



2017 REMEDIAL ACTION PROGRESS REPORT

FORMER BINGHAMTON PLASTICS FACILITY
BINGHAMTON, NEW YORK
NYSDEC SITE NO. 7-04-024



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INTRODUCTION

This Remedial Action Progress Report (RAPR) was prepared by Verina Engineering, P.C. (VERINA), on behalf of Dover Corporation (Dover), for the remedial activities implemented in 2017 at the former Binghamton Plastics site in Binghamton, Broome County, New York, and New York State Department of Conservation (NYSDEC) Site No. 7-04-024.

The activities implemented in 2017 include:

- Quarterly in-situ chemical oxidation (ISCO) injections;
- Semi-annual groundwater monitoring; and,
- Monthly monitoring of the Active Sub-Slab Depressurization (ASD) System.

The project was implemented in accordance with the executed Order on Consent between Dover and the New York State of Environmental Conservation (NYSDEC), dated January 19, 2001, and subsequent approvals from the NYSDEC.

SITE HISTORY AND BACKGROUND

The former Binghamton Plastics site is located at 498 Conklin Avenue in Binghamton, Broome County, New York. The site occupies approximately two acres and consists of a one-story industrial building (approximately 44,800 square feet [ft²]) with associated parking, landscaping, and storage areas. The site is located in a combined industrial and residential setting. Figure 1 shows the site location. A site map is presented on Figure 2.

Binghamton Plastics operated the facility until the early 1980s when Universal Instruments Corporation (UIC), a former subsidiary of Dover, purchased the property and converted the facility into a circuit board manufacturing plant. UIC operated the facility until it was taken over by Dover Electronics Corporation in the late 1980s. Manufacturing activities ceased in the early 1990s. In 1993 Dover Electronics was separated from Dover and re-named Dovatron, Inc. In 1996, Dovatron changed its name to DII Group.

In the early 1990s, the property was transferred to Flextronics International, Inc. but UIC retained responsibilities for the remediation of pre-existing environmental conditions. From the early 1990s until August 2001, the facility was leased to and used by McIntosh Laboratories for electronics repair operations. The site was then sold to TeamWorld, Inc., and the building is now used for silk screening, embroidery, packaging of clothing, and storage.

REMEDIAL ACTIVITIES

Remedial actions were implemented following the approval of the Remedial Design (RD) Package (BBL 2002) by the NYSDEC on June 29, 2002. The remedial action consisted of excavating the main source areas of constituents of concern (COCs) within the perched groundwater zone. Excavation and groundwater extraction activities were conducted to remove residual contamination in the form of

phase-separated hydrocarbons (PSH), adsorbed volatile organic compounds (VOCs), and impacted groundwater. Groundwater that drained from the excavated perched-zone soil during the remedial action or that accumulated in the open excavations was removed for offsite treatment and disposal.

Since 2004, the groundwater monitoring program has been implemented to assess the effectiveness of the remedial action in remediating COC concentrations within the perched groundwater at the site. The groundwater monitoring program consists of a baseline groundwater monitoring event that was conducted on April 1, 2002 prior to remedial activities and subsequent post-remedial quarterly groundwater monitoring events. The groundwater monitoring frequency was reduced from a quarterly to a semi-annual basis in 2011 based on the NYSDEC approval on December 23, 2010.

Pursuant to approval from NYSDEC in its letter dated November 14, 2008, the ISCO injection program was initiated in June 2009 to further reduce the residual COCs in groundwater. The injection of sodium permanganate solution has been conducted in the upgradient monitoring wells (MW-9, MW-10, and MW-17) as well as in the source area (MW-8, MW-11, and MW-16). The injection frequency was reduced from quarterly to semi-annual basis in 2011, yet returned to a quarterly injection schedule in 2012. Additionally, one direct-push injection event within the plume area was conducted at the site in May 2013. Due to the favorable response of the contaminant levels in the COC plume subsequent to the direct-push injection event, VERINA had originally planned to complete the final manual injection event for the site in January 2017. However, a review of the September 2016 analytical data revealed that elevated concentrations of COCs were still present within the site groundwater and therefore VERINA continued the quarterly manual injection schedule in 2017. Since June 2009, a total of 32 rounds of sodium permanganate manual injections have been conducted at the site.

In accordance with the 2012 Remedial Design Work Plan - Active Sub-slab Depressurization (ASD) System (VERINA 2012), an ASD system was installed at the site in July 2012 to mitigate the degradation of indoor air quality at the site. Monthly inspections of the ASD system were implemented since its full-time operation in July 2012.

GROUNDWATER MONITORING AND ISCO INJECTION PROGRAM

GROUNDWATER MONITORING AND SAMPLING

Two rounds of semi-annual groundwater monitoring events were conducted in 2017 to monitor site groundwater conditions and to assess the effectiveness of the ISCO injection program to remediate COCs at the site. The first semi-annual groundwater sampling event was conducted between March 21 and 22, 2017 and the second semi-annual/annual groundwater sampling event was conducted on September 14, 2017.

Prior to each sampling event, the depth to groundwater was measured from all 14 monitoring wells (DMW-3, DMW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-16, MW-17, and TMP-A) on site and recorded on VERINA's groundwater gauging logs in order to establish groundwater elevations and groundwater flow direction at the site. Water level measurements were taken with a Solinst® or Heron® brand laser-marked water level meter equipped with a stainless steel probe and measuring tape graduated in units of 0.01 foot. Groundwater elevation measurements from March 2017 and September 2017 are summarized in Tables 1 and 2, respectively. A map showing the perched groundwater elevation isocontours and groundwater flow direction is included as Figure 3 for the March 2017 event and as Figure 4 for the September 2017 event.

After well gauging was completed, select monitoring wells including MW-8, MW-9, MW-10, MW-16, and MW-17 were sampled in March 2017. In addition to these wells, monitoring wells DMW-3, TMP-A, MW-11, and MW-13 were also included during the September 2017 sampling event in accordance with VERINA'S 2016 Remedial Action Progress Report. Groundwater quality parameters, including pH, dissolved oxygen (DO), conductivity, temperature, turbidity, and oxidation-reduction potential (ORP), were measured via a YSI® 600XL or 556 water quality instrument coupled with a flow-through cell. In addition to measuring field parameters, the purged groundwater from each well was visually inspected for the presence of a purple or pink color, which would indicate the presence of un-reacted permanganate within the groundwater. A change in color of the water in the wells from dark purple to light pink (i.e., > visual concentration of 0.5 milligrams per liter [mg/L]) or clear (i.e., < visual concentration of 0.5 mg/L) indicates that the permanganate would have been consumed, diluted, or transported with groundwater.

Groundwater samples from monitoring wells that exhibited residual permanganate, as indicated by a pink or purple color of the purge water, were collected in laboratory-provided unpreserved vials pre-charged in the field with sodium thiosulfate. The sodium thiosulfate was added to neutralize the residual permanganate in the groundwater sample as it may influence the performance of the laboratory's analytical instruments. During the March 2017 sampling event, monitoring wells MW-8, MW-9, MW-16, and MW-17 exhibited residual permanganate while monitoring wells MW-8, MW-9, MW-11, MW-16, and MW-17 exhibited residual permanganate during the September 2017 sampling event. These wells had their residual sodium permanganate concentration analyzed for in the field immediately subsequent to site-specific parameter list (SSPL) VOC sampling using a Hach® DR890 or

DR2800 colorimeter. A summary of the residual sodium permanganate groundwater concentrations is presented in Table 3.

As part of the QA/QC procedures, one duplicate sample, one matrix spike sample, one matrix spike duplicate sample, and one equipment blank sample per sampling date were also collected during each sampling event. All samples were collected in laboratory-supplied glassware, packaged on ice, and shipped to ALS Environmental (formerly Columbia Analytical Services, Inc.), of Rochester, New York (New York Laboratory Certification 10145) for analysis. All samples were analyzed for SSPL VOCs using United States Environmental Protection Agency (USEPA) Method 8260C. The SSPL VOCs analyzed for were: tetrachloroethylene (PCE); trichloroethylene (TCE); 1,1,1-trichloroethane (TCA); 1,1-dichloroethane (1,1-DCA); 1,1-dichloroethene (1,1-DCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); and vinyl chloride (VC).

ISCO INJECTION PROGRAM

As approved by the NYSDEC, sodium permanganate is injected manually at six monitoring wells including MW-8, MW-9, MW-10, MW-11, MW-16, and MW-17 on a quarterly basis to further reduce the dissolved COC mass present in the groundwater. The ISCO injection program was initiated in June 2009. For 2017, manual injections occurred in the months of January, March, June, September and December. The January injection event occurred to make up for the missed injection event of December 2016, as freezing conditions and thick snow cover prevented injection from occurring that month. The manual injections were performed at the above mentioned wells, via gravity feed, to deliver a 10 percent by weight sodium permanganate solution during each of the 2017 injection events. A total of 60 gallons were injected during each injection event. The ISCO injection events occurring in March and September were conducted following that month's respective groundwater monitoring activities. A manual injection summary is presented in Table 4.

GROUNDWATER ELEVATION AND FLOW DIRECTION

The groundwater elevation data from March and September 2017 are summarized in Tables 1 and 2, respectively. The groundwater elevation contour map for the March and September 2017 events are provided as Figure 3 and Figure 4, respectively.

The groundwater elevation contour maps indicate that the hydraulic gradient is slight across the site and the groundwater flow within the perched groundwater zone is to the northwest, consistent with historical groundwater flow data. Although the groundwater flow is to the northwest, the slight hydraulic gradient as well as the fact that the groundwater plume has not migrated from the site supports the perched groundwater conceptual model for the site.

GROUNDWATER MONITORING ANALYTICAL RESULTS

The groundwater analytical data for the March and September 2017 monitoring events are summarized in Tables 5 and 6, respectively. The historical distribution of SSPL VOCs, including pre-full scale ISCO injection initiation sampling results, is summarized in Table 7. An isoconcentration map comparing the

total molar concentration of PCE and its daughter products as of June 2009, prior to the start of injection at the site, through September 2017 is presented as Figure 5. A graphical depiction of the decreasing trend of TCE concentrations, the site contaminant of concern with the highest observed historic concentrations, is presented as Figure 6. The groundwater sampling field logs for both the March and September 2017 sampling events are provided in Appendix A. The complete laboratory data reports for the groundwater sampling events are presented in Appendix B. The electronic data deliverables (EDDs) for each groundwater sampling event are included under separate submission.

Based on the information collected during injection and 2017 semi-annual groundwater monitoring events, VERINA made the following conclusions:

- In comparing the September 2017 to the June 2009 total molar concentration of PCE and its daughter products, the plume size of the highest molar concentration observed within the source zone near MW-8 and MW-16 has decreased significantly. This indicates an overall COC mass reduction (as represented by both PCE and daughter products) within the perched groundwater beneath the site. Approximately 99% mass reduction of COCs in groundwater was estimated since the ISCO injection was implemented in 2009.
- Contaminant concentrations within the source zone continue to decline since the initiation of ISCO injections.
- The plume of PCE and its daughter products continue to be contained within the perched groundwater on site.
- Several VOCs were detected above their respective NYSDEC groundwater quality standards in wells MW-8, MW-9, MW-16 and MW-17 during the March 2017 sampling event. These VOCs consist of 1,1-dichloroethane, cis-1,2-dichloroethene, TCE and/or vinyl chloride. PCE was not detected above its NYSDEC groundwater quality standard in any of the wells sampled in March 2017.
- During the September 2017 sampling event, the VOCs 1,1-dichloroethane, cis-1,2-dichloroethene, 1,1,1-trichloroethane, TCE and/or vinyl chloride were detected above their respective NYSDEC groundwater quality standards in wells MW-8, MW-9, MW-10, MW-16 and/or MW-17. PCE was not detected above its NYSDEC groundwater quality standard in any of the wells sampled in September 2017.

WELL REDEVELOPMENT

During injection activities in early 2017, it was noted that the injection rate at wells MW-11 and MW-17 had decreased significantly over time. In response, VERINA personnel redeveloped these wells in October 2017. The purpose of this well redevelopment activity was to remove either sediment/solid material that had accumulated at the bottom of the well and/or break up and remove potential accumulated solids from the well screen and/or filter pack assumed to have been generated by chemical reactions during the injection activities. It was hoped that the redevelopment effort would enhance the

hydraulic connectivity of the well to the aquifer and allow for more efficient injections. The redevelopment was accomplished by using a down-hole submersible pump and surging of the well. All purge water and solid material generated during the redevelopment activities were containerized in 55-gallon drums. Upon completion, these drums were properly labeled and staged for offsite disposal. Since their development in October 2017, VERINA noticed the injection rates at MW-11 and MW-17 have slightly increased.

ACTIVE SUB-SLAB DEPRESSURIZATION (ASD) OM&M

In accordance with the approved 2012 Remedial Design Work Plan – Active Sub-Slab Depressurization System (VERINA 2012), an ASD system was installed at the site. This system, shown on Figure 7, was installed in July 2012 to serve as a mitigation measure for elevated COC concentrations (specifically PCE and TCE) detected in the indoor air at the facility. Since installation and start-up, the ASD system has been operated continuously without disruption until December 2017 (see discussion below). Two rounds of indoor air sampling were conducted following implementation of the ASD system, on December 19, 2012 and December 10, 2013.

The ASD system has been effective at reducing the indoor air concentrations of COCs when comparing the December 2012 and December 2013 indoor air sampling results to the indoor air sampling results collected in March 2009 prior to the installation of the ASD system. Since no site specific COC concentrations in the indoor air samples exceeded the New York State Department of Health (NYSDOH)'s Indoor Air Guidance Values during the 2013 indoor air sampling event, VERINA proposed that no additional indoor air sampling events being conducted unless changes or modifications to the ASD system and/or to the building are identified during the monthly ASD system inspections in the January 2014 Periodic Review Report (PRP). NYSDEC approved the PRP on August 1, 2014.

During 2017, monthly inspections of the ASD system were implemented including observing and documenting the conditions of ASD system components and any structural changes or modifications to the building, as well as recording the pressure gauge measurements at each of the four vapor extraction points. Monthly ASD inspection logs are included as Appendix C.

During the December 2017 ASD inspection event, the ASD system fan was found to not be operating constantly but rather intermittently, which is believed to have been caused by a recent power outage of the site building. Keystone Environmental of Binghamton, New York was contacted and conducted a system inspection on December 13th, 2017, as they had originally assisted VERINA in installing the ASD system. The inspection concluded that the ASD system fan needed to be replaced. The ASD system fan was replaced on January 3, 2018 and the system is now fully operational. To confirm that the repaired ASD system is still effectively reducing indoor air concentrations of site COCs, VERINA will collect an additional round of indoor air samples in March 2018.

CONCLUSIONS AND RECOMMENDATIONS

Based on the findings and conclusions of the groundwater monitoring program, field observation of the ISCO injection events, and ASD System OM&M results, VERINA has drawn the following conclusions:

- Based on the analytical results of the historic and current groundwater sampling events, COCs have not been detected in monitoring wells DMW-3, TMP-A, MW-11, MW-13, and MW-14 during several of the recent sampling events. This data supports the conclusion that the COC plume is contained at the site.
- A comparison of the 2017 groundwater sampling results to the historical sampling results indicates that the total VOC mass in the groundwater at the site has decreased significantly. An additional two percent mass reduction was achieved in 2017, resulting in an estimated over 99% total mass reduction of COCs in groundwater since the remedial action was implemented in June 2009.
- The 2017 groundwater monitoring results indicated several COCs still exceed their respective NYSDEC groundwater quality standards. However, the concentrations of these COCs are within one order of magnitude to the NYSDEC groundwater quality standards.
- The ASD system has operated continuously since its installation in July 2012 until December 2017. In December 2017, the ASD system fan was found to be not functioning properly and in need of replacement. The ASD system fan was replaced in early January 2018 and is now functioning properly.

Based on these conclusions, we recommend the following:

- VERINA will continue the semi-annual groundwater sampling program in 2018 in March and September 2018. In March 2018, the wells to be sampled will include MW-8, MW-9, MW-10, MW-16, and MW-17. In addition to these wells, monitoring wells DMW-3, TMP-A, MW-11, and MW-13 will also be sampled during the September 2018 event, as shown on Table 8.
- The 2017 groundwater analytical data indicated COC concentrations have generally decreased as compared to the 2016 analytical data. However, several site COCs remain above their respective NYSDEC groundwater quality standards. To ensure the site COCs continue to decrease in concentration and meet the NYSDEC groundwater quality standards, VERINA will continue to inject a 10% by weight sodium permanganate solution into wells MW-8, MW-9, MW-10, MW-11, MW-16 and MW-17 to further oxidize the COCs in groundwater on a quarterly basis in 2018. It is estimated a total of 60 gallons of 10% by weight sodium permanganate oxidant solution will be manually injected into selected monitoring wells on site during each of the injection events.

- Due to the decreases observed in COC concentrations since the remedial action was implemented in June 2009, VERINA plans for 2018 to be the final year of ISCO injections and will suspend injections in 2019. VERINA will continue the semi-annual groundwater sampling program in 2019 and will evaluate the groundwater data collected during that year to assess whether or not the ISCO injections should resume for 2020.
- VERINA will continue monthly inspections of the ASD system. Additionally, since the ASD system fan was replaced in January 2018, VERINA will collect an additional round of indoor air samples during March 2018 to ensure the ASD system is functioning properly and reducing COC concentrations. If the indoor air analytical results reveal site COCs to be above NYSDOH Indoor Air Guidance Values, VERINA will make additional modifications and/or improvements to the ASD system as necessary and conduct additional indoor air sampling. If the analytical results for the site COCs are below the NYSDOH Indoor Air Guidance Values, VERINA will conclude that the ASD system is functioning properly, and no additional indoor air sampling will be conducted unless changes or modifications to the ASD system and/or to the building are identified during the monthly ASD system inspections.

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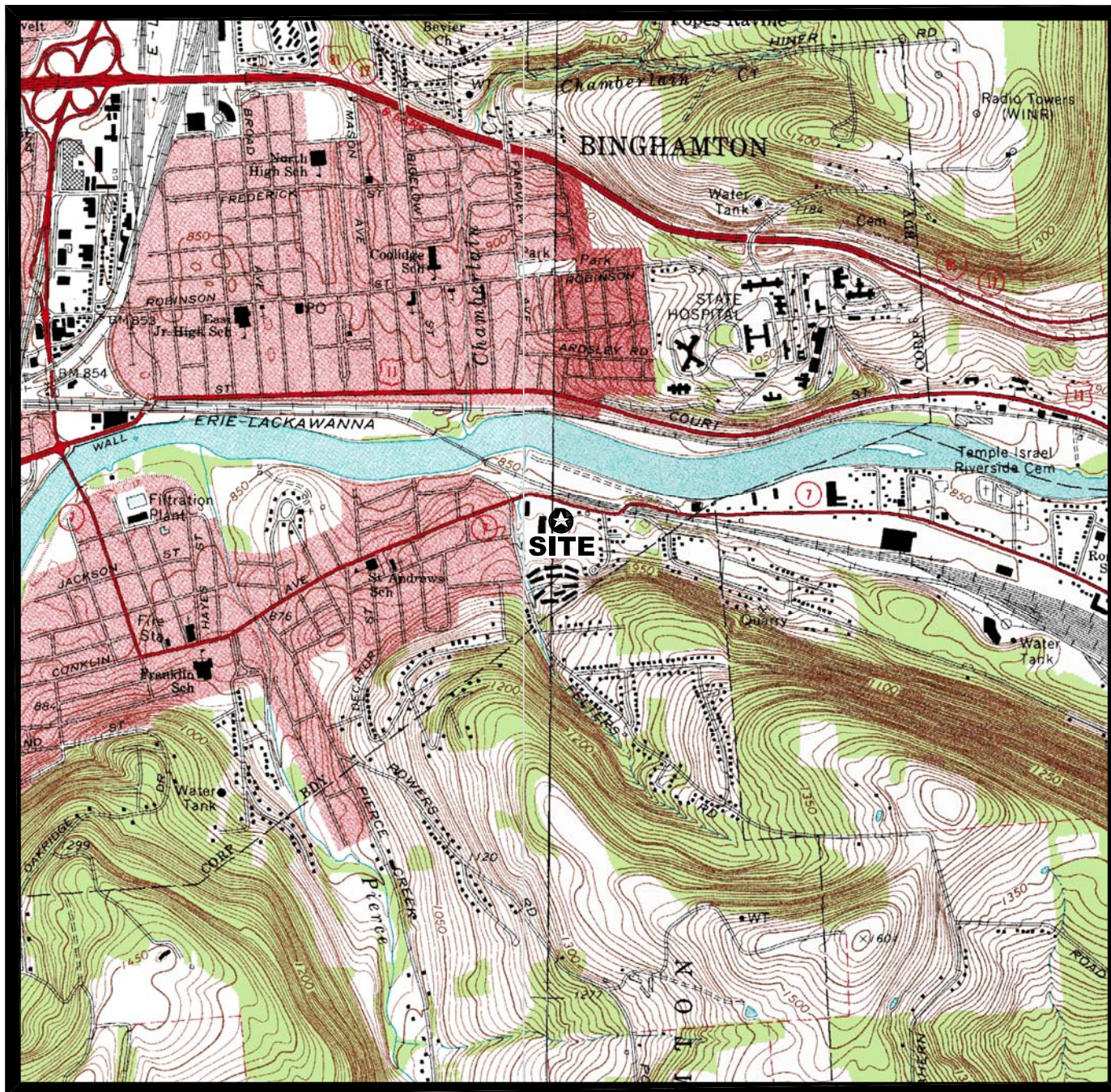
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Verina Engineering, P.C. (VERINA). January 2015. *2014 Remedial Action Progress Report.*

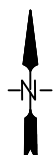
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Verina Engineering, P.C. (VERINA). January 2017. *2016 Remedial Action Progress Report.*

Figures



WEST BINGHAMTON AND
EAST BINGHAMTON QUADRANGLES
7.5-MINUTE SERIES



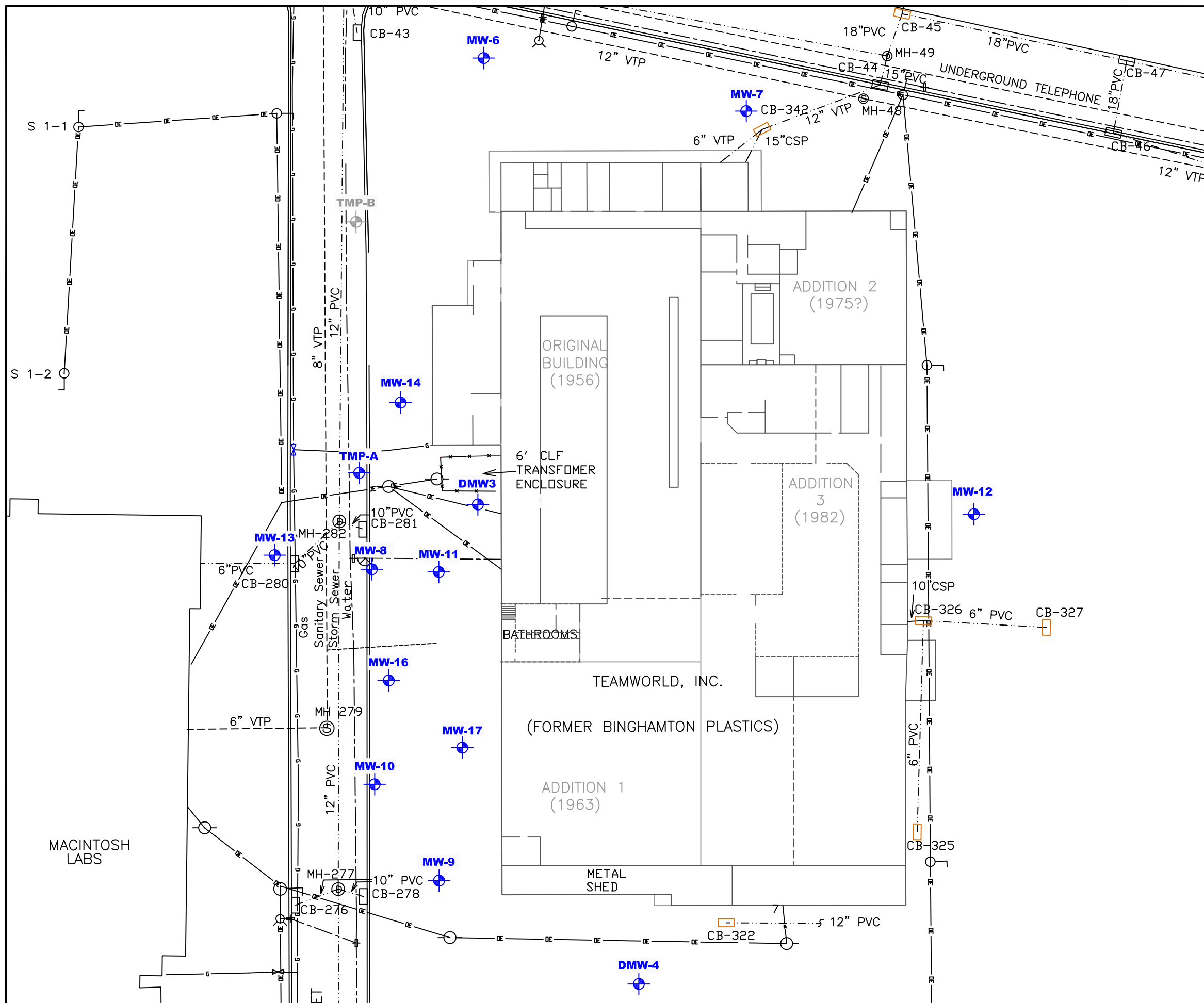
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APPROXIMATE SCALE

FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

REGIONAL LOCATION MAP

VERINA
Engineering, P.C.

1



EXPLANATION

- MW-6** DESIGNATION AND LOCATION OF MONITORING WELL
- TMP-B** DESIGNATION AND LOCATION OF DESTROYED MONITORING WELL
- UTILITY POLE
- UTILITY POLE W/LIGHT
- STORM MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- POST INDICATOR VALVE
- HYDRANT
- WATER VALVE
- GAS VALVE
- FORMER WALL

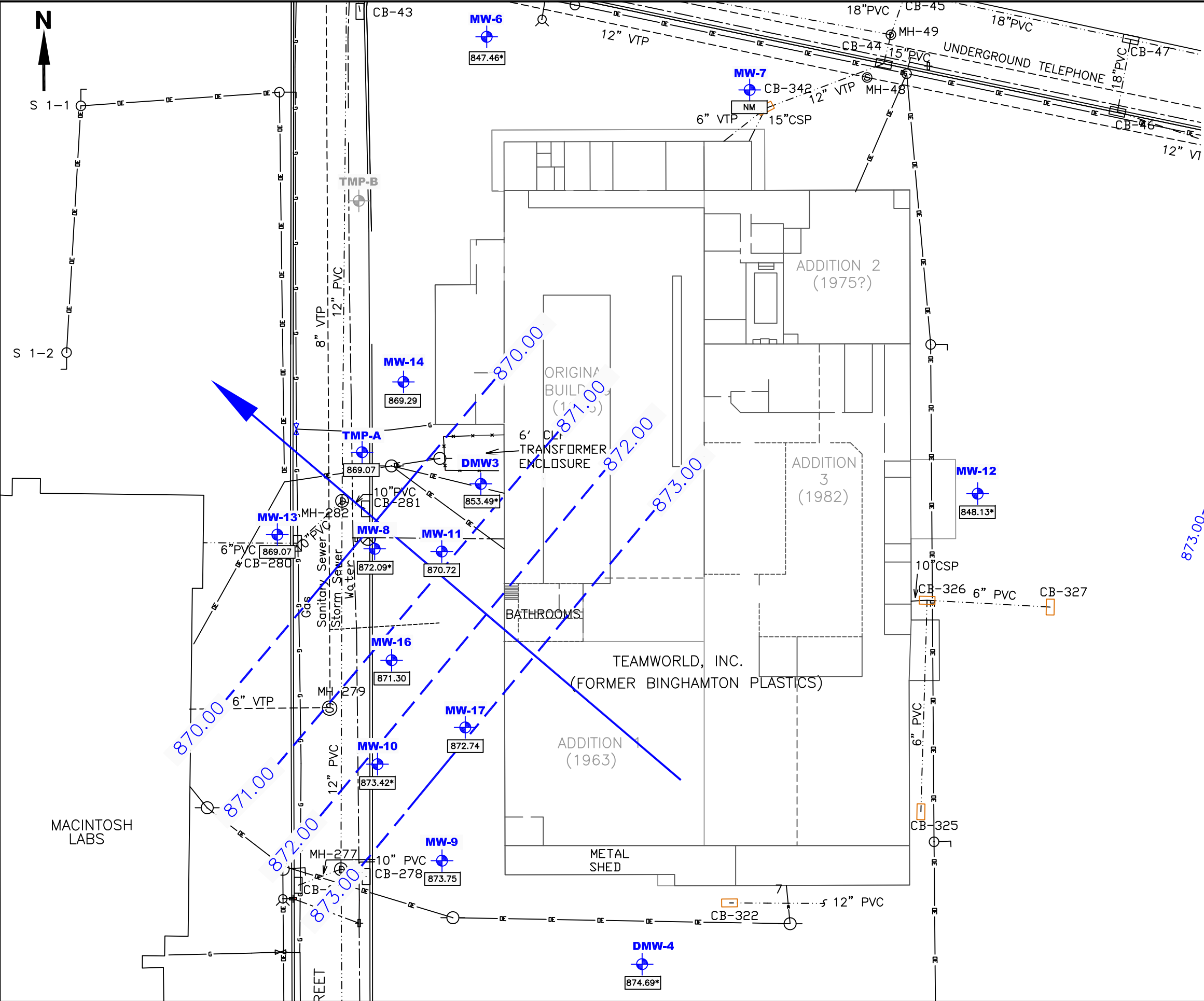
SOURCE:
SITE MAP AND FEATURES OBTAINED FROM
PRE-DESIGN INVESTIGATION REPORT FOR THE
ACTIVE SLAP DEPRESSURIZATION SYSTEM
PREPARED BY ARCADIS OF CRANBURY,
NEW JERSEY, JUNE 26, 2009



FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

**SITE MAP WITH
MONITORING WELL LOCATIONS**





EXPLANATION

- MW-6 DESIGNATION AND LOCATION OF MONITORING WELL
- TMP-B DESIGNATION AND LOCATION OF DESTROYED MONITORING WELL
- UTILITY POLE
- (FT., MSL)
- STORM MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- POST INDICATOR VALVE
- FLOW DIRECTION
- HYDRANT
- WATER VALVE
- GAS VALVE
- FORMER WALL
- 869.84 GROUNDWATER ELEVATION
- UTILITY POLE W/LIGHT
- GROUNDWATER ELEVATION ISOCONTOUR INTERVAL IN FT., MSL (DASHED WHERE INFERRED)
- ARROW INDICATES GENERALIZED GROUNDWATER
- CONTOUR INTERVAL = 1.0 FT., MSL
- AVERAGE HYDRAULIC GRADIENT = 0.022 FT/FT

- NOTES:
- 1) * = NOT USED TO GENERATE CONTOURS
 - 2) FT. MSL = FEET, MEAN SEA LEVEL
 - 3) NM = NOT MEASURED

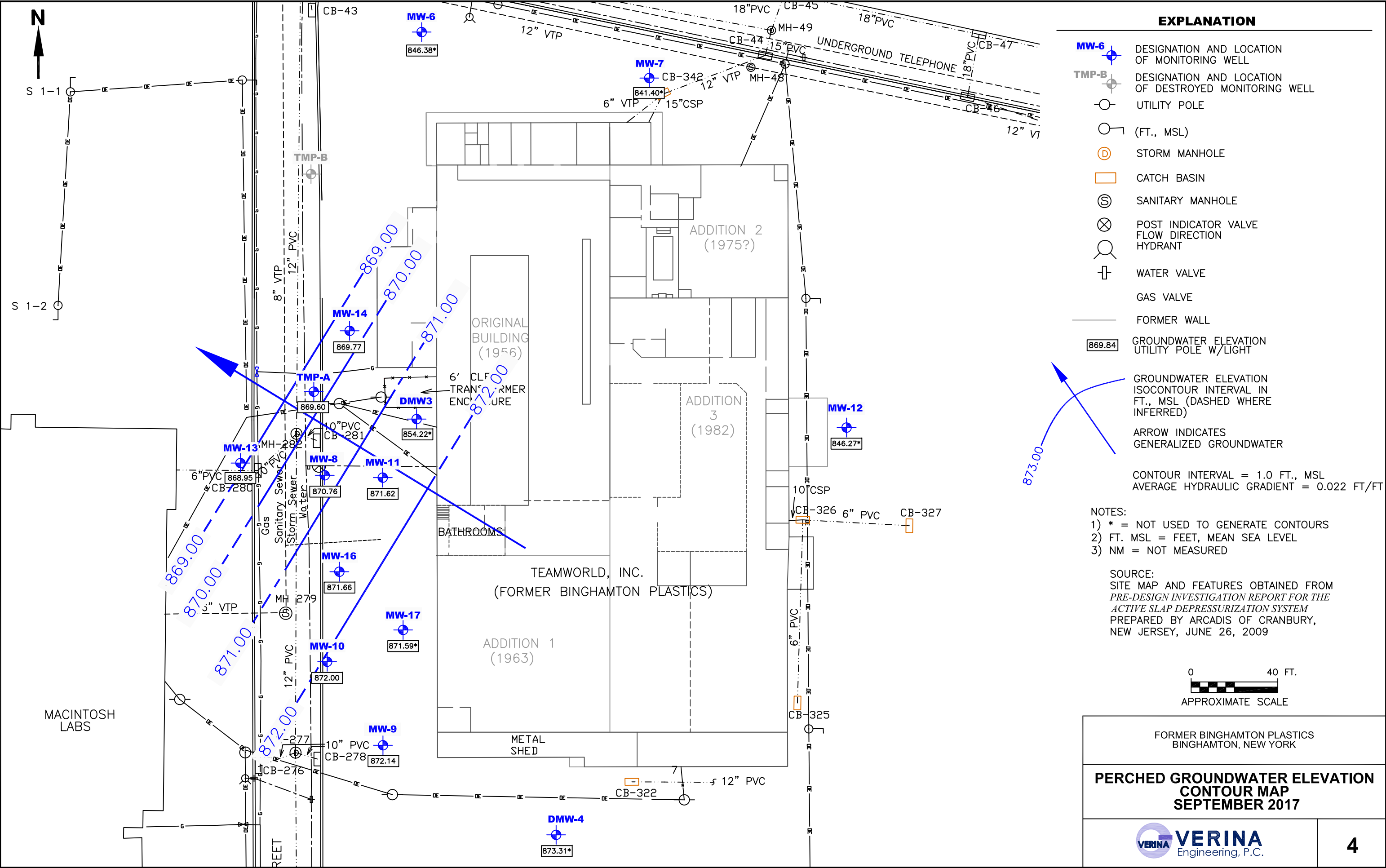
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SITE MAP AND FEATURES OBTAINED FROM
PRE-DESIGN INVESTIGATION REPORT FOR THE
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PREPARED BY ARCADIS OF CRANBURY,
NEW JERSEY, JUNE 26, 2009



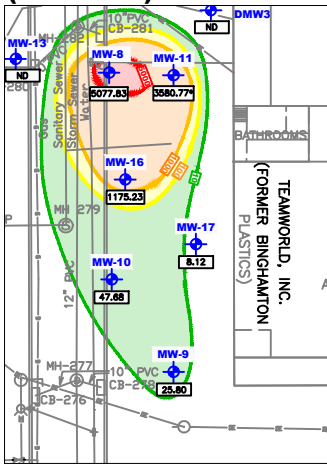
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

PERCHED GROUNDWATER ELEVATION
CONTOUR MAP
MARCH 2017

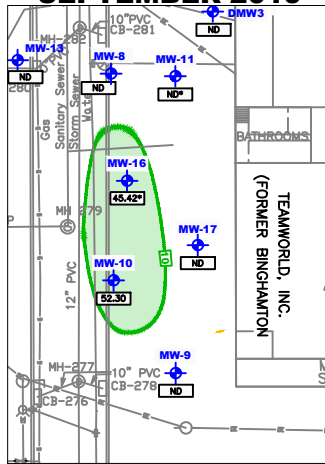




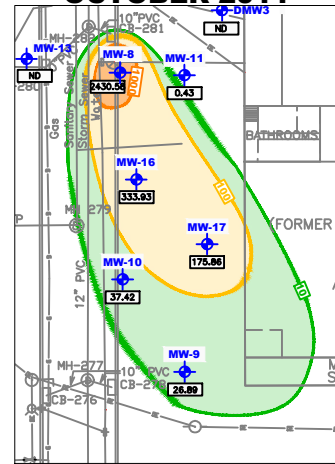
(Baseline) JUNE 2009



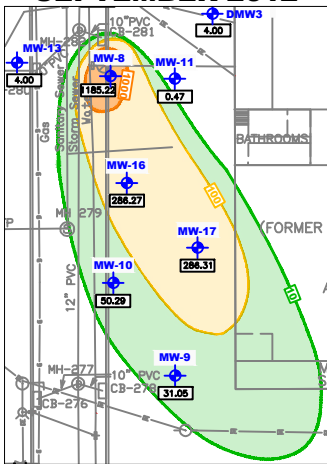
SEPTEMBER 2010



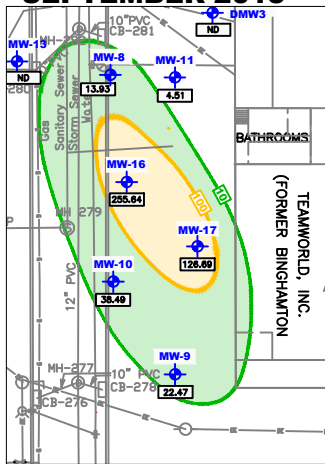
OCTOBER 2011



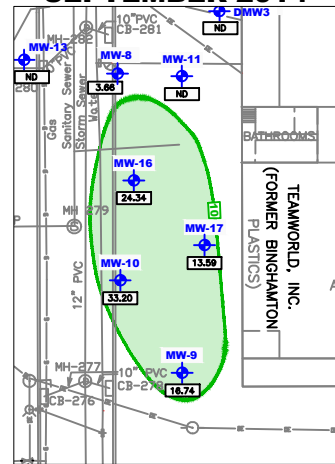
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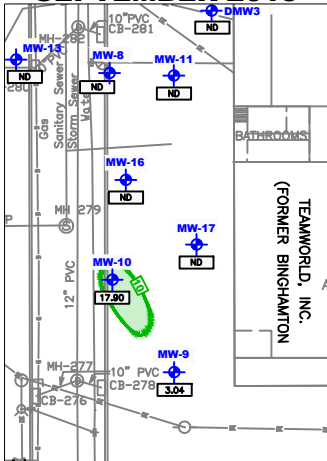
SEPTEMBER 2013**



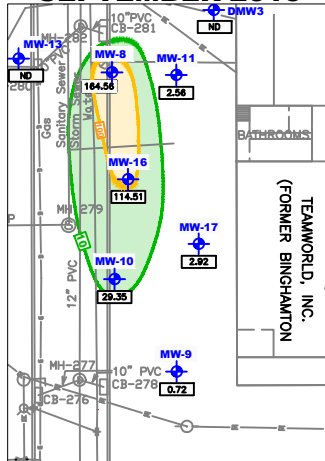
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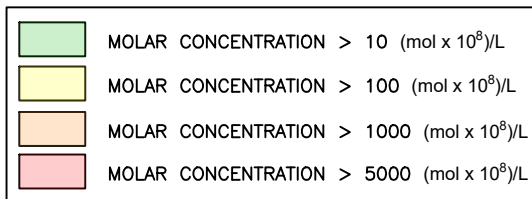
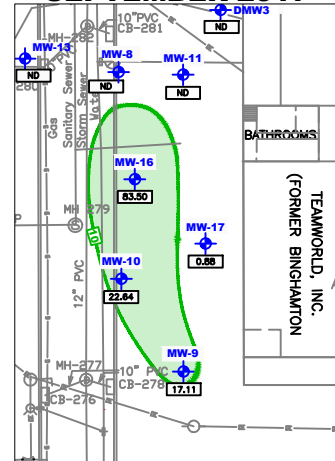
SEPTEMBER 2015



SEPTEMBER 2016



SEPTEMBER 2017



NOTE:
 1) * = SAMPLE DATA FROM DECEMBER 2010.
 2) ** = PLUME AFTER DIRECT-PUSH INJECTION
 EVENT WHICH WAS CONDUCTED IN MAY 2013.

0 80 FT.



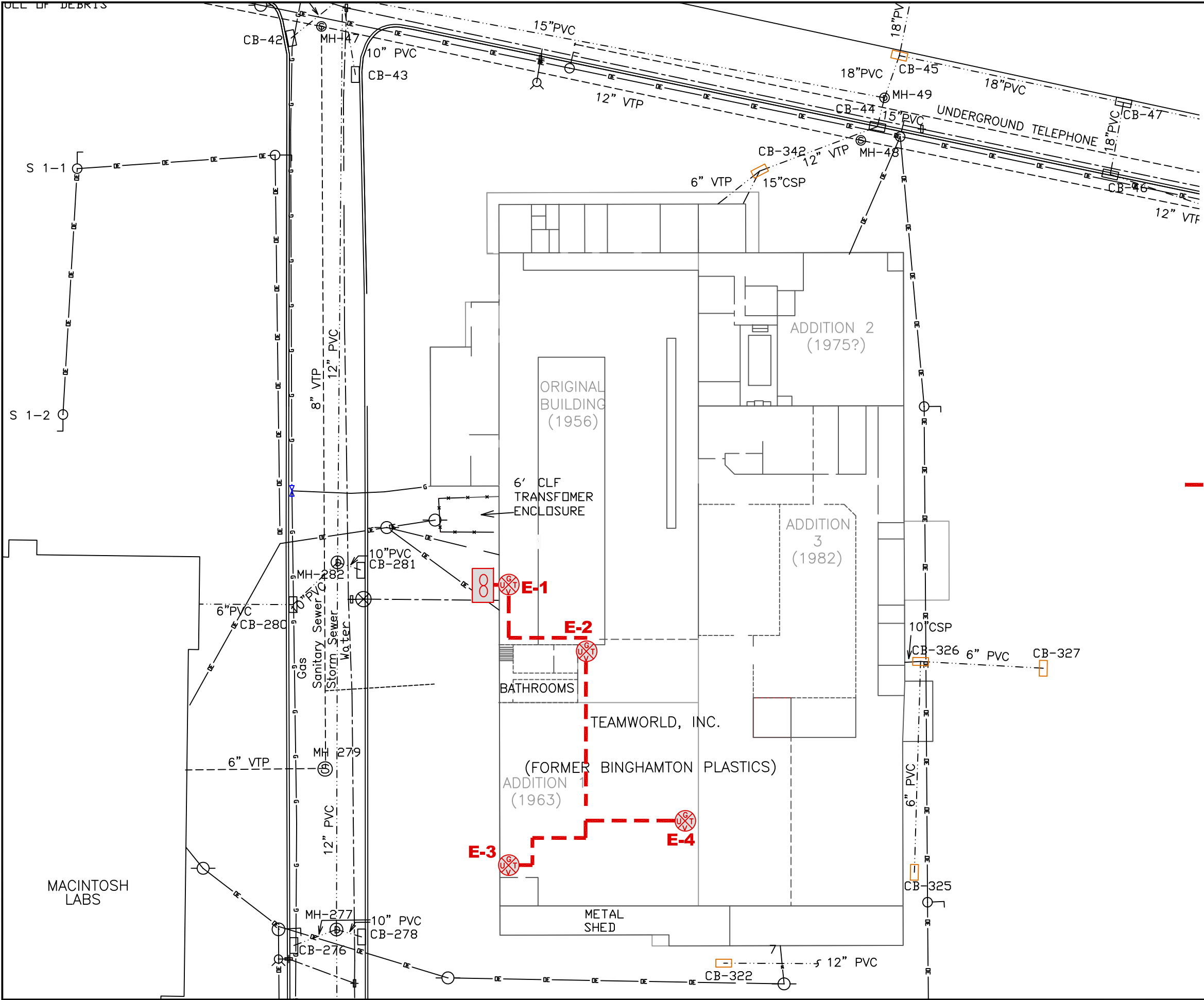
APPROXIMATE SCALE

FORMER BINGHAMTON PLASTICS
 BINGHAMTON, NEW YORK

**PERCHED GROUNDWATER ESTIMATED
 PCE AND DAUGHTER COMPOUND
 TOTAL MOLAR ISOCONCENTRATION MAP
 BASELINE TO SEPTEMBER 2017**

VERINA
 Engineering, P.C.

5



N

EXPLANATION

UTILITY POLE

UTILITY POLE W/LIGHT

STORM MANHOLE

CATCH BASIN

SANITARY MANHOLE

POST INDICATOR VALVE

HYDRANT

WATER VALVE

GAS VALVE

FORMER WALL

E-1 DESIGNATION AND APPROXIMATE LOCATION OF SUCTION POINT WITH GATE VALVE AND VACUUM GAUGE

APPROXIMATE LOCATION OF EXHAUST FAN

APPROXIMATE LOCATION OF PIPE ROUTE

SOURCE:
1) SITE MAP AND FEATURES OBTAINED FROM PRE-DESIGN INVESTIGATION REPORT FOR THE ACTIVE SLAP DEPRESSURIZATION SYSTEM PREPARED BY ARCADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009
2) ASD SYSTEM LAYOUT OBTAINED FROM SUB SLAB DEPRESSURIZATION AS BUILT SKETCH PREPARED BY KEYSTONE MATERIAL TESTING, LLC OF BINGHAMTON, NEW YORK, AUGUST 1, 2012



FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

ASD SYSTEM LOCATION
AND LAYOUT MAP

7

Tables

Table 1 - Groundwater Elevation Data - March 2017, Former Binghamton Plastics, Binghamton, New York

Monitoring Well	Well Diameter (in)	Total Depth (ft, bg)	Screened Interval (ft, bg)	Surface Elevation (ft, msl)	Top of Casing Elevation (ft, msl)	Top of PVC Elevation (ft, msl)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, msl)
DMW-1	4	15	5-15	876.19	876.44	874.21	Abandoned	NA
DMW-3	2	48.01	41-48	875.16	875.16	874.22	20.73	853.49
DMW-4	2	15.39	4-14	878.32	878.38	877.91	3.22	874.69
MW-5	2	20	10-20	874.18	874.17	873.83	Abandoned	NA
MW-6	2	40.30	30-40	869.62	869.63	869.37	21.91	847.46
MW-7	2	NM	30-40	869.96	869.99	869.60	NM	NM
MW-8	2	39.75	5-15	873.22	873.18	872.83	0.74	872.09
MW-9	2	14.68	5-15	875.02	875.04	874.76	1.01	873.75
MW-10	2	14.29	5-15	875.70	875.71	875.47	2.05	873.42
MW-11	2	19.30	10-20	874.53	874.52	874.14	3.42	870.72
MW-12	2	44.75	35-45	873.70	873.70	873.38	25.25	848.13
MW-13	2	13.72	5-15	874.08	874.09	873.60	4.53	869.07
MW-14	2	14.19	5-15	871.06	871.07	870.57	1.28	869.29
MW-15	2	15	5-15	874.06	874.16	873.69	Abandoned	NA
MW-16	2	14.25	5-15	874.56	NS	874.11	2.81	871.30
MW-17	2	13.51	5-15	874.03	NS	873.74	1.00	872.74
TMP-A	1	NM	3-8	871.59	NS	871.39	NM	NM
TMP-B	1	10	5-10	869.57	NS	869.36	Abandoned	NA

NOTES:

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

ft, TOC = Feet from top of inner well casing

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on March 21, 2017

Table 2 - Groundwater Elevation Data - September 2017, Former Binghamton Plastics, Binghamton, New York

Monitoring Well	Well Diameter (in)	Total Depth (ft, bg)	Screened Interval (ft, bg)	Surface Elevation (ft, msl)	Top of Casing Elevation (ft, msl)	Top of PVC Elevation (ft, msl)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, msl)
DMW-1	4	15	5-15	876.19	876.44	874.21	Abandoned	NA
DMW-3	2	48.05	41-48	875.16	875.16	874.22	20.00	854.22
DMW-4	2	15.35	4-14	878.32	878.38	877.91	4.60	873.31
MW-5	2	20	10-20	874.18	874.17	873.83	Abandoned	NA
MW-6	2	39.75	30-40	869.62	869.63	869.37	22.99	846.38
MW-7	2	39.80	30-40	869.96	869.99	869.60	28.20	841.40
MW-8	2	14.08	5-15	873.22	873.18	872.83	2.07	870.76
MW-9	2	14.41	5-15	875.02	875.04	874.76	2.62	872.14
MW-10	2	14.29	5-15	875.70	875.71	875.47	3.47	872.00
MW-11	2	19.10	10-20	874.53	874.52	874.14	2.52	871.62
MW-12	2	43.95	35-45	873.70	873.70	873.38	27.11	846.27
MW-13	2	13.75	5-15	874.08	874.09	873.60	4.65	868.95
MW-14	2	14.20	5-15	871.06	871.07	870.57	0.80	869.77
MW-15	2	15	5-15	874.06	874.16	873.69	Abandoned	NA
MW-16	2	13.9	5-15	874.56	NS	874.11	2.45	871.66
MW-17	2	13.05	5-15	874.03	NS	873.74	2.15	871.59
TMP-A	1	7.1	3-8	871.59	NS	871.39	1.79	869.60
TMP-B	1	10	5-10	869.57	NS	869.36	Abandoned	NA

NOTES:

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

ft, TOC = Feet from top of inner well casing

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on September 14, 2017

Table 3 - Summary of Residual Sodium Permanganate Results, Former Binghamton Plastics, Binghamton, New York

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	December 2009	March 2010	June 2010	September 2010	December 2010	March 2011
MW-8	131.5	149	105.50	9.56	>19.8	3.74
MW-9	0.30	1.736	1.47	10.04	NS	18.91
MW-10	3.07	4.268	NS	3.57	>19.8	156.34
MW-11	132.2	149.1	151.70	120.80	>19.8	155.98
MW-16	29.71	95.1	76.99	105.60	>19.8	0.835
MW-17	NS	NS	103.00	11.21	>19.8	155.98

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	October 2011	March 2012	September 2012	March 2013	September 2013	March 2014
MW-8	0.16	17.2	1.3	0.5	70	14
MW-9	NS	7.3	NS	0.2	NS	3.0
MW-10	NS	2.4	NS	NS	NS	NS
MW-11	35.80	26.1	10.7	30	34	20
MW-16	146.46	4.6	1.7	1.1	1.3	3.1
MW-17	NS	NS	4.7	2.5	1.0	2.9

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	March 2014	September 2014	March 2015	September 2015	March 2016	September 2016
MW-8	14.0	10.0	10.3	164	102	35.1
MW-9	3.0	1.1	1.0	24	29	93.8
MW-10	NS	NS	NS	0.8	NS	NS
MW-11	20.0	11.1	NS	6.0	NS	221.2
MW-16	3.1	114	110.8	8.0	12	67
MW-17	2.9	24.4	23.7	104	99	112

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	March 2017	September 2017				
MW-8	81.9	68.6				
MW-9	13.7	8.7				
MW-10	NS	NS				
MW-11	NS	315.2				
MW-16	160.0	302.4				
MW-17	12.0	238.5				

NOTES:

ppm = parts per million

NS = Not sampled

A Hach DR890 or DR2800 colorimeter was used to measure the concentration of residual sodium permanganate

Table 4 - Summary of Sodium Permanganate Manual Injection Events, Former Binghamton Plastics, Binghamton, New York

Well ID No.	Injection Date				
	6/11/2009*	9/18/2009*	12/10/2009*	3/9/2010-3/10/2010*	6/23/2010*
MW-8	5	11	11	12.125	11
MW-9	5	11	11	11	11
MW-10	7	11	11	11	11
MW-11	3	5	5	2.75	5
MW-16	5	11	11	12.125	11
MW-17	5	11	11	11	11
Total	30	60	60	60	60

Well ID No.	Injection Date				
	9/22/2010*	12/16/2010*	3/24/2011**	11/4/2011**	3/22/2012**
MW-8	11	11	11	5	1.25
MW-9	11	11	11	22	35
MW-10	11	11	11	13	4.5
MW-11	5	5	5	2	1.25
MW-16	11	11	11	13	4.5
MW-17	11	11	11	5	1.5
Total	60	60	60	60	48

Well ID No.	Injection Date				
	6/22/2012**	9/17/2012-9/18/2012**	3/12/2013**	6/12/2013**	9/2/2013-9/6/2013*
MW-8	11	12	10	13	12.5
MW-9	11	12	13	10	11
MW-10	12	10	13	10	11
MW-11	3	4	2	4	4.5
MW-16	12	11	13	13	11
MW-17	11	11	9	10	10
Total	60	60	60	60	60

Well ID No.	Injection Date				
	12/10/2013*	3/20/2014-3/21/2014*	6/16/2014*	9/25/2014-9/26/2014*	12/17/2014 *
MW-8	10	10	12	6	6.5
MW-9	10	10	10	18	13
MW-10	12	10	10	15	15.5
MW-11	2	1.5	3	5	2
MW-16	15	12.5	15	13	13
MW-17	11	16	10	10	10
Total	60	60	60	67	60

NOTES:

All units are presented in gallons.

* A 10% of sodium permanganate solution was injected during this event .

** A 5% of sodium permanganate solution was injected during this event .

Table 4 (Continued) - Summary of Sodium Permanganate Manual Injection Events, Former Binghamton Plastics, Binghamton, New York

Well ID No.	Injection Date				
	3/18/2015-3/19/2015*	6/26/2015 *	8/27/2015 *	12/17/2015 *	3/17/2016 *
MW-8	14.5	10	10	10	10
MW-9	10	13	10	10	12
MW-10	10	11	10	10	12
MW-11	2	2	10	10	8
MW-16	13.5	17	10	10	10
MW-17	10	7	10	10	8
Total	60	60	60	60	60

Well ID No.	Injection Date				
	6/23/2016 *	9/29/2016 *	1/10/2017 *	3/22/2017 *	6/21/2017 *
MW-8	12	10	10	10	10
MW-9	10	10	10	10	10
MW-10	10	10	10	10	10
MW-11	6	10	10	10	10
MW-16	12	10	10	10	10
MW-17	10	10	10	10	10
Total	60	60	60	60	60

Well ID No.	Injection Date				
	9/18/2017 *	12/11/2017 *			
MW-8	10	10			
MW-9	10	10			
MW-10	10	10			
MW-11	10	10			
MW-16	10	10			
MW-17	10	10			
Total	60	60			

NOTES:

All units are presented in gallons.

* A 10% of sodium permanganate solution was injected during this event .

** A 5% of sodium permanganate solution was injected during this event .

Table 5 - Groundwater Analytical Data - March 2017, Former Binghamton Plastics, Binghamton, New York

Sample ID		MW-8	MW-9	MW-10	MW-16	DUP-032217
Laboratory ID		R1702494-006	R1702494-002	R1702494-003	R1602524-005	R1702494-008
Date Sampled	NYSDEC	3/22/2017	3/17/2016	3/21/2017	3/17/2016	3/22/2017
Units	GWQS	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	1.6	1.0 U	0.74 J	8.7	11
1,1-Dichloroethene	5	1.1	1.0 U	1.0 U	1.3	1.9
cis-1,2-Dichloroethene	5	29	1.0 U	2.6	30	40
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	0.70 J	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.7	1.0 U	0.77 J	2.3	2.7
Trichloroethene	5	26	7.1	5.0	6.1	7.3
Vinyl Chloride	2	1.0 U	1.0 U	1.0 U	8.1	8.7

Sample ID		MW-17	FB-032117	FB-032217	TRIP BLANK 2
Laboratory ID		R1702494-001	R1702494-004	R1702494-007	R1702494-010
Date Sampled	NYSDEC	3/21/2017	3/21/2017	3/22/2017	3/22/2017
Units	GWQS	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	6.3	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.78 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.6	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.78 J	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

J = Estimated value

µg/l = micrograms per liter

Bold = concentration exceeds NYSDEC GWQS

U = Compound analyzed for but not detected above method reporting limit given

"DUP" indicates the sample is a duplicate sample of that sample immediately preceding the duplicate sample on this table

NYSDEC = New York State Department of Environmental Conservation

GWQS = Ground Water Quality Standards

"FB" indicates the sample is an equipment blank sample

Table 6 - Groundwater Analytical Data - September 2017, Former Binghamton Plastics, Binghamton, New York

Sample ID		TMP-A	MW-8	MW-9	MW-10	DUP-091417	MW-11
Laboratory ID		R1708700-002	R1708700-009	R1708700-003	R1708700-004	R1708700-012	R1708700-006
Date Sampled	NYSDEC	9/14/2017	9/14/2017	9/14/2017	9/14/2017	9/14/2017	9/14/2017
Units	GWQS	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	0.59 J	5.5	1.0 U	0.81 J	0.70 J	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	0.92 J	5.1	4.9	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	0.30 J	1.3	1.4	1.0 U
1,1,1-Trichloroethane	5	0.54 J	3.7	0.61 J	2.3	2.4	1.0 U
Trichloroethene	5	1.0 U	1.0 U	21	21	21	1.0 U
Vinyl Chloride	2	1.0 U	1.0 U	1.0 U	0.38 J	1.0 U	1.0 U

Sample ID		MW-13	MW-16	MW-17	DMW-3	EB-091417	TRIP BLANK
Laboratory ID		R1708700-007	R1708700-010	R1708700-008	R1708700-005	R1708700-011	R1708700-001
Date Sampled	NYSDEC	9/14/2017	9/14/2017	9/14/2017	9/14/2017	9/14/2017	9/14/2017
Units	GWQS	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	1.0 U	31	14	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	67	0.40 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	0.30 J	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	6.7	2.2	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	13	0.61 J	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	1.0 U	2.7	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

J = Estimated value

µg/l = micrograms per liter

U = Compound analyzed for but not detected above method reporting limit given

"DUP" indicates the sample is a duplicate sample of that sample immediately preceding the duplicate sample on this table

Bold = concentration exceeds NYSDEC GWQS

NYSDEC = New York State Department of Environmental Conservation

GWQS = Ground Water Quality Standards

"EB" indicates the sample is an equipment blank sample

Table 7 - Historical Groundwater Volatile Organic Compound Analytical Results, Former Binghamton Plastics, Binghamton, New York

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
DMW-1	2/8/1999	1000	< 180	< 360	8200	71
DMW-3	12/10/1998	<2.5	<2.5	<0.5	1.1 J	<10
	9/18/2001	< 0.5	< 0.5	< 0.5	0.5 J	< 0.5
	4/1/2002	0.03 J	< 0.5	< 0.5	0.3 J	< 0.5
	9/19/2002	0.2 J	<0.5	0.07 J	0.3 J	<0.5
	3/28/2003	<0.5	<0.5	0.2 J	0.1 J	<0.5
	6/19/2003	0.8	<0.5	0.3 J	0.8	<0.5
	9/16/2003	<0.5	<0.5	0.3 J	0.08 J	<0.5
	1/6/2004	<0.5	0.091 J	0.31 J	0.16 J	<0.5
	4/6/2004	0.2 J	<0.5	0.25 J	0.15 J	<0.5
	6/24/2004	<0.5	<0.5	0.17	<0.5	<0.5
	9/20/2004	<0.5	<0.5	0.23 J	0.13 J	<0.5
	3/23/2005	<0.5	<0.5	<0.5	0.13J	<0.5
	9/27/2005	<2	<2	<1	<1	<2
	3/7/2006	<5	<5	0.43J	<5	<5
	5/25/2006	<5	<5	<5	<5	<5
	9/19/2006	<5	<5	<5	<5	<5
	4/2/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	8/28/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	10/15/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	3/24/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	7/22/2008	<5.0	<5.0	<5.0	0.88 J	<5.0
	10/7/2008	<5.0	<5.0	<5.0	0.40 J	<5.0
	12/2/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/14/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
DMW-4	12/9/1998	< 2.5	< 2.5	< 5	1.2J	< 10
TMP-A	3/22/2005	<0.5	<0.5	<0.5	<0.5	<0.5
	9/27/2005	<2	<2	<1	<2	<2
	3/7/2006	<5	<5	<5	<5	<5
	5/25/2006	<5	<5	<5	<5	<5
	9/19/2006	<5	<5	<5	<5	<5
	4/2/2007	<5	<5	<5	<5	<5
	7/23/2008	<5	<5	<5	<5	<5
	10/7/2008	<5	<5	<5	<5	<5
	3/9/2009	<5	<5	<5	<5	<5
	6/9/2009	<5	<5	<5	<5	<5
	9/16/2009	<5	<5	<5	<5	<5
	3/8/2010	<5	<5	<5	<5	<5
	10/27/2011	<5	<5	<5	<5	<5
	3/13/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/5/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
MW-2	12/10/1998	7.9	< 2.5	1.3 J	86	< 10
MW-5	12/10/1998	480	11	1	17,000	20
	9/18/2001	370 J	< 500	<500	23,000	< 500
	4/1/2002	0.3 J	< 0.5	0.06 J	48	< 0.5
MW-6	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10
MW-7	12/8/1998	< 2.5	< 2.5	< 5	< 5	< 10

See notes on last page.

Table 7 (Continued) - Historical Groundwater Volatile Organic Compound Analytical Results, Former Binghamton Plastics, Binghamton, New York

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
MW-8	12/10/1998	0.25	< 5	< 0.01	0.35	<20
	9/18/2001	650	< 25	< 25	100	44
	4/1/2002	170	2	6	230	6
	9/18/2002	240	3 J	<6	560	<6
	3/28/2003	370	4	0.4 J	420	16
	6/19/2003	1,000	19	<13	810	36
	9/16/2003	960	14 J	<31	250	240
	1/6/2004	670	7.3 J	<18	500	7.7 J
	4/6/2004	1,900	12 J	<50	420	300
	6/24/2004	2,500	27	83	170	430
	9/20/2004	6,200	75	<210	380	740
	3/23/2005	4,000	44 J	<0.5	930	490
	6/14/2005	<2	<2	<1	<1	<2
	9/27/2005	<2	<2	<1	<1	<2
	3/7/2006	<50	<50	<50	<50	<50
	4/2/2007	110	0.69J	<5.0	360D	<5.0
	10/15/2007	640 D	9.8 J	<13	2700 D	66
	3/24/2008	170	3.3 J	<13	790 D	4.2 J
	7/22/2008	900	14 J	<100	3400	120
	10/7/2008	640	18 J	<100	3200	82 J
	12/2/2008	440	6.4 J	<25	2200 D	3.6 J
	3/10/2009	450	<100	<100	2200	38 J
	6/9/2009	680	14 J	<50	5600 D	53
	9/14/2009	NS	NS	NS	NS	NS
	12/8/2009	NS	NS	NS	NS	NS
	3/8/2010	NS	NS	NS	NS	NS
	6/21/2010	NS	NS	NS	NS	NS
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	100	0.43 J	<5.0	940 D	3.9 J
	10/27/2011	330 D	1.6 J	<5.0	2700 D	21
	3/13/2012	290	3.2 J	<50	1800	32 J
	9/17/2012	360	<50	<50	1000	33 J
	3/11/2013	210	11 J	<50	1200	5.3 J
	9/2/2013	1.7 J	<5.0	<5.0	16	<5.0
	3/17/2014	0.85 J	<5.0	<5.0	12	<5.0
	9/20/2014	0.67 J	<5.0	<5.0	3.9 J	<5.0
	3/18/2015	0.75 J	<5.0	<5.0	6.4	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	3/17/2016	9.1	<1.0	<1.0	27	<1.0
	9/15/2016	71	<1.0	<1.0	120	<1.0
	3/22/2017	29	<1.0	<1.0	26	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
MW-9	12/10/1998	7.3	< 2.5	1.2J	77	< 10
	4/1/2002	0.6	< 0.5	0.2 J	20	< 0.5
	9/18/2002	7	0.08 J	1	57 J	0.9 J
	3/28/2003	1	<0.5	0.4 J	16	<0.5
	6/19/2003	3	0.04 J	0.5	26	0.09 J
	9/16/2003	4.1	<1.3	0.61 J	40	<1.3
	1/6/2004	2.4	0.083 J	0.48 J	23	<0.5
	4/6/2004	0.8 J	<1	0.61 J	30	<1
	6/24/2004	4.7	<0.5	0.53	27	0.52
	9/20/2004	6.2	<2.0	0.79 J	57	<2.0
	3/23/2005	0.78	<0.5	0.23 J	17	<0.5
	9/27/2005	5.5	<2	<2	46	<2
	3/7/2006	<5	<5	<5	<5	<5
	4/2/2007	0.85J	<5.0	<5.0	24	<5.0
	8/28/2007	8.4	<5.0	0.88 J	55	0.67 J
	10/15/2007	10	<5.0	0.81 J	55	<5.0
	3/24/2008	0.44 J	<5.0	<5.0	19	<5.0
	7/21/2008	12	<5.0	0.55 J	45	0.55 J
	10/8/2008	7.1	<5.0	0.59 J	49	<5.0
	12/2/2008	5.8	<5.0	0.47 J	49	<5.0
	3/10/2009	2.1 J	<5.0	<5.0	24	<5.0
	6/10/2009	1.4 J	<5.0	<5.0	32	<5.0
	9/16/2009	1.9 J	<5.0	0.83 J	24	<5.0
	12/8/2009	2.2 J	<5.0	0.43 J	32	<5.0
	3/8/2010	0.78 J	<5.0	<5.0	16	<5.0
	6/21/2010	1.60 J	<5.0	<5.0	37	<5.0
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/16/2010	<5.0	<5.0	<5.0	3.6 J	<5.0
	3/23/2011	<5.0	<5.0	<5.0	14	<5.0
	10/26/2011	0.76 J	<5.0	0.38 J	34	<5.0
	3/13/2012	0.21 J	<5.0	<5.0	17	<5.0
	9/18/2012	1.1 J	<5.0	0.39 J	39	<5.0
	3/11/2013	<5.0	<5.0	<5.0	14	<5.0
	9/5/2013	0.94 J	<5.0	0.31 J	28	<5.0
	3/17/2014	0.41 J	<5.0	<5.0	14	<5.0
	9/21/2014	<5.0	<5.0	<5.0	22	<5.0
	3/19/2015	0.92 J	<5.0	<5.0	13	<5.0
	9/23/2015	<5.0	<5.0	<5.0	4.0 J	<5.0
	3/17/2016	0.31 J	<1.0	<1.0	10	<1.0
	9/15/2016	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	0.95 J (0.91 J)	<1.0 (<1.0)
	3/21/2017	<1.0	<1.0	<1.0	7.1	<1.0
	9/14/2017	0.92 J	<1.0	0.30 J	21	<1.0

See notes on last page.

Table 7 (Continued) - Historical Groundwater Volatile Organic Compound Analytical Results, Former Binghamton Plastics, Binghamton, New York

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
MW-10	12/10/1998	18	< 2.5	54	64	2.3 J
	9/18/2001	10	< 1.4	2	21	18
	4/1/2002	11	0.3 J	1	16	2
	9/18/2002	14	0.4 J	4	53 J	21
	3/28/2003	11	0.2 J	2	25	2
	6/19/2003	13	0.5 J	3	32	9
	9/16/2003	15	0.39 J	2.4	42	12
	1/6/2004	4.3	0.26 J	1.6	13	0.43 J
	4/6/2004	4.7	<0.5	0.89	13	0.38 J
	6/24/2004	16	0.65	2.6	45	8.6
	9/20/2004	3.4	0.15 J	2.7	16	0.9
	3/23/2005	3.8	0.11 J	1.1	12	0.57
	9/27/2005	13	<2	3	50	6.6
	3/7/2006	9.3	<5	1.6J	27	2.5J
	9/19/2006	17	0.48J	2.2J	32	5.9
	8/28/2007	12	0.33 J	2.2 J	31	5.9
	10/15/2007	4.8 J	<5.0	2.1 J	16	1.7 J
	3/24/2008	3.9 J	<5.0	0.53 J	6.6	<5.0
	7/21/2008	3.7 J	<5.0	0.45 J	5.3	0.72 J
	10/8/2008	12	0.26 J	1.4 J	25	5.3
	12/2/2008	4.4 J	<5.0	1.2 J	9.4	<5.0
	3/10/2009	4.3 J	<5.0	0.77 J	9.2	<5.0
	6/8/2009	15	<5.0	1.6 J	36	2.4 J
	9/14/2009	18	<5.0	2.0 J	37	4.8 J
	12/9/2009	13	<5.0	1.3 J	23	1.1 J
	3/8/2010	5.3	<5.0	0.71 J	9.7	<5.0
	6/22/2010	19	0.29 J	1.6 J	37	3.5 J
	9/21/2010	18	0.32 J	1.8 J	33	4.5 J
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	86	<5.0	0.67 J	180	1.8 J
	10/26/2011	11	0.21 J	1.7 J	28	2.2 J
	3/13/2012	6	<5.0	0.81 J	18	0.46 J
	9/17/2012	14	<5.0	1.8 J	40	2.7 J
	3/11/2013	7.9	<5.0	0.72 J	18	0.49 J
	9/2/2013	11	<5.0	1.7 J	32	1.1 J
	3/17/2014	3.4 J	<5.0	0.63 J	7.3	<5.0
	9/21/2014	8.9	<5.0	1.4 J	29	0.69 J
	3/18/2015	2.1 J	<5.0	0.66 J	6.2	<5.0
	9/23/2015	3.2 J (3.1 J)	<5.0 (<5.0)	1.5 J (1.3 J)	18 (17)	<5.0 (<5.0)
	3/17/2016	2.9	<1.0	0.76 J	8.2	<1.0
	9/15/2016	6.3	<1.0	1.6	28	0.36 J
	3/21/2017	2.6	<1.0	0.70 J	5.0	<1.0
	9/14/2017	5.1 (4.9)	<1.0 (<1.0)	1.3 (1.4)	21 (21)	0.38 J (<1.0)
MW-11	12/9/1998	1,100	11	< 5	1,400	140
	9/18/2001	850	< 31	<31	700	77
	4/1/2002	1,100	12	<50	1,500	23
	9/19/2002	1,600	12 J	<25	2,100	82
	3/28/2003	1,200	11	0.2 J	2,400	58
	6/19/2003	1,300	10 J	<25	2,500	24 J
	9/16/2003	1,700	13 J	<83	2,500	170
	1/6/2004	1,200	31 J	<53	1,500	28 J
	4/6/2004	1,700	17	<83	2,300	6.8
	6/24/2004	1,600	18	<63	1,900	29
	9/20/2004	2,300 D	26 DJ	<63	2,200 D	58 DJ
	3/23/2005	1,500 D	21	<0.5	1,300 D	7.8
	6/14/2005	<2	<2	<1	<1	<2
	9/27/2005	<2	<2	<1	<1	<2
	3/7/2006	<500	<500	<500	<500	<500
	10/15/2007	<5.0	<5.0	<5.0	<5.0	< 5.0
	3/24/2008	130	<25	<25	520	5.2 J
	7/22/2008	1900	15 J	<100	2900	140
	10/7/2008	NS	NS	NS	NS	NS
	12/2/2008	NS	NS	NS	NS	NS
	3/11/2009	990	9.1 J	<25	3200 D	67
	6/8/2009	NS	NS	NS	NS	NS
	9/14/2009	NS	NS	NS	NS	NS
	12/8/2009	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS
	6/21/2010	NS	NS	NS	NS	NS
	9/20/2010	NS	NS	NS	NS	NS
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/27/2011	<5.0	<5.0	<5.0	0.57 J	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/17/2012	<5.0	<5.0	<5.0	0.62 J	<5.0
	3/11/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/2/2013	1.2 J	<5.0	<5.0	4.3 J	<5.0
	3/18/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<25	<25	<25	<25	<25
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<10	<10	<10	<10	<10
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0

See notes on last page.

Table 7 (Continued) - Historical Groundwater Volatile Organic Compound Analytical Results, Former Binghamton Plastics, Binghamton, New York

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
MW-12	12/7/1998	< 2.5	< 2.5	< 5	< 5	< 10
MW-13	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10
	3/24/2008	NS	NS	NS	NS	NS
	7/23/2008	NS	NS	NS	NS	NS
	10/9/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	12/2/2008	<5.0	<5.0	<5.0	0.96 J	<5.0
	3/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/7/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10
	9/18/2001	< 0.5	< 0.5	< 0.5	0.2J	< 0.5
	3/28/2003	<0.5	<0.5	0.08 J	<0.5	<0.5
	6/19/2003	<0.5	<0.5	0.3 J	0.04 J	<0.5
	9/16/2003	<0.5	<0.5	0.087 J	<0.5	<0.5
	1/6/2004	<0.5	<0.5	<0.5	0.064 J	<0.5
	4/6/2004	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2004	2.1	<0.5	0.27 J	6.5	<0.5
	9/20/2004	<0.5	<0.5	<0.5	<0.5	<0.5
	3/23/2005	<0.5	<0.5	<0.5	<0.5	<0.5
	3/7/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	5/25/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	9/19/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	4/2/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	8/28/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	10/15/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	3/24/2008	<5.0	<5.0	<5.0	0.62 J	<5.0
	7/23/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	10/7/2008	<5.0	<5.0	<5.0	0.32 J	<5.0
	12/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/14/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
MW-15	12/10/1998	960	11	14	6,900	23
	9/18/2001	790	< 84	< 84	4,000	68 J
	4/1/2002	510	10	17	3,400	34

See notes on last page.

Table 7 (Continued) - Historical Groundwater Volatile Organic Compound Analytical Results, Former Binghamton Plastics, Binghamton, New York

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
MW-16	9/19/2002	1,500	11 J	<32	340	38
	3/28/2003	440	7	0.2 J	15	59
	6/19/2003	400	12	0.3 J	48	58
	9/16/2003	87	4.8	0.323 J	9	24
	1/6/2004	68	3.3	<2.5	6.6	20
	4/6/2004	22	1.1	0.23 J	2.6	5.6
	6/24/2004	6.8	2	0.23 J	4.1	2.3
	9/20/2004	78 D	5.2 D	<2.5	17	27 D
	3/23/2005	9.3	5.4	<0.5	0.95	4.4
	9/25/2005	12	5.4	<1	6.2	11
	3/7/2006	<500	<500	<500	<500	<500
	10/15/2007	240 D	13	0.64 J	110	140
	3/24/2008	NS	NS	NS	NS	NS
	7/22/2008	240	8.7 J	<13	69	87
	10/8/2008	710	13 J	1.1 J	330	180
	12/2/2008	450 D	10	0.94 J	320	88
	3/10/2009	270	4.6 J	1.1 J	280	42
	6/10/2009	650	10 J	<25	480	76
	9/15/2009	<5	<5	0.55 J	<5	<5
	12/8/2009	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2010	NS	NS	NS	NS	NS
	12/16/2010	16	<5.0	<5.0	38	<5.0
	3/23/2011	4.1 J	<5.0	0.70 J	7.4	<5.0
	10/27/2011	140	5.6	1.8 J	240 D	<5.0
	3/13/2012	94	2.7 J	0.44 J	96	10
	9/17/2012	140	2.0 J	0.71 J	160	11
	3/11/2013	96	7.5	0.34 J	38	1.9 J
	9/5/2013	170	10	0.50 J	72	9.3
	3/17/2014	49	1.4 J	<5.0	10	14
	9/21/2014	17	<5.0	0.43 J	8.6	<5.0
	3/18/2015	31	0.35 J	<5.0	7.1	15
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	3/17/2016	87 (88)	1.4 (1.7)	0.89 J (0.70 J)	24 (24)	1.2 (0.96 J)
	9/15/2016	83	0.87 J	0.61 J	26	4.9
	3/22/2017	30 (40)	<1.0 (<1.0)	<1.0 (<1.0)	6.1 (7.3)	8.1 (8.7)
	9/14/2017	67	<1.0	0.30 J	13	2.7
MW-17	9/19/2002	1,800	18 J	<42	2,800	38 J
	3/28/2003	280	11	0.3 J	2	180
	6/19/2003	50	13	<6	1	65
	9/16/2003	4	11	1.6 J	0.74 J	9.1
	1/6/2004	3.3 J	6.4	<4.2	0.81 J	2.4 J
	4/6/2004	3 J	6.8	<5	1.6 J	4.5 J
	6/24/2004	<4.2	9.8	2.2	1.1	1.5
	9/20/2004	3.3 J	11	2.1 J	<5.0	6.7
	3/25/2005	7.9	7.3	<0.5	0.8	5.9
	9/27/2005	150	8	<1	71	24
	3/7/2006	<50	<50	<50	<50	<50
	9/19/2006	0.33	24	3.2	31	17
	8/28/2007	55	2.4 J	0.82 J	110	82
	10/15/2007	37	1.5 J	0.38 J	73	6.6
	3/24/2008	3.0 J	0.33 J	<5.0	1.2 J	0.93 J
	7/21/2008	2.4 J	0.94 J	<5.0	0.66 J	1.1 J
	10/8/2008	16	1.6 J	0.21 J	35	5.7
	12/2/2008	6.6	0.46 J	<5.0	15	1.3 J
	3/10/2009	3.7 J	0.46 J	<5.0	4.4 J	1.9 J
	6/9/2009	2.8 J	0.78 J	<5.0	3.5 J	1.1 J
	9/14/2009	38	2.5 J	0.60 J	110	9.1
	12/8/2009	7.4	0.61 J	<5.0	23	2.1 J
	3/9/2010	4.5 J	<5.0	<5.0	6.5	1.1 J
	6/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	5.6	<5.0	<5.0	2.2 J	<5.0
	10/26/2011	87	4.2 J	0.53 J	65	20
	3/14/2012	77	3.3 J	0.27 J	40	18
	9/17/2012	200	10	0.44 J	74	8.2
	3/11/2013	53	2.8 J	<5.0	14	0.41 J
	9/5/2013	84	3.6 J	<5.0	45	1.3 J
	3/17/2014	18	1.0 J	<5.0	3.3 J	<5.0
	9/21/2014	10	<5.0	<5.0	4.3 J	<5.0
	3/18/2015	5.8 (7.8)	<5.0 (<5.0)	<5.0 (<5.0)	3.5 J (4.6 J)	<5.0 (<5.0)
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	3/17/2016	3.7	<1.0	<1.0	2.4	<1.0
	9/15/2016	1.4	<1.0	0.30 J	1.7	<1.0
	3/21/2017	0.78 J	<1.0	<1.0	0.78 J	<1.0
	9/14/2017	0.40 J	<1.0	<1.0	0.61 J	<1.0

NOTES:

J = Estimated value; compound detected below Detection Limit.
D = Compound identified in an analysis at a secondary dilution factor
= Baseline result

NS=Not sampled
µg/l = Micrograms per liter
< = Not detected above laboratory reporting limit given

Table 8 - Proposed 2018 Groundwater Monitoring Matrix, Former Binghamton Plactics, Binghamton, New York

Implemented Monitoring Matrix in 2017		
Well ID	Monitoring Schedule	Analysis
DMW-3	Annual	SSPL VOCs
TMP-A	Annual	SSPL VOCs
MW-8	Semiannual	SSPL VOCs
MW-9	Semiannual	SSPL VOCs
MW-10	Semiannual	SSPL VOCs
MW-11	Annual	SSPL VOCs
MW-13	Annual	SSPL VOCs
MW-16	Semiannual	SSPL VOCs
MW-17	Semiannual	SSPL VOCs

Proposed Monitoring Matrix to be Implemented in 2018		
Well ID	Monitoring Schedule	Analysis
DMW-3	Annual	SSPL VOCs
TMP-A	Annual	SSPL VOCs
MW-8	Semiannual	SSPL VOCs
MW-9	Semiannual	SSPL VOCs
MW-10	Semiannual	SSPL VOCs
MW-11	Annual	SSPL VOCs
MW-13	Annual	SSPL VOCs
MW-16	Semiannual	SSPL VOCs
MW-17	Semiannual	SSPL VOCs

Appendices

Appendix A

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Appendix B



April 12, 2017

Service Request No:R1702494

Ms. Sarah Tufaro
Verina Consulting Group, LLC
1011 US Highway 22, Suite 302
Bridgewater, NJ 08807

Laboratory Results for: Dover - Binghamton

Dear Ms.Tufaro,

Enclosed are the results of the sample(s) submitted to our laboratory March 23, 2017
For your reference, these analyses have been assigned our service request number **R1702494**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | **FAX** +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental



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Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Received: 3/23/17

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV, validation deliverables including all summary forms and associated raw data. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt

Ten water samples were received for analysis at ALS Environmental on 03/23/2017. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Approved by  Date 4/12/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-17		Lab ID: R1702494-001				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	1.6		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	6.3		0.20	1.0	ug/L	8260C
Trichloroethene (TCE)	0.78	J	0.22	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.78	J	0.30	1.0	ug/L	8260C
CLIENT ID: MW-9		Lab ID: R1702494-002				
Analyte	Results	Flag	MDL	PQL	Units	Method
Trichloroethene (TCE)	7.1		0.22	1.0	ug/L	8260C
CLIENT ID: MW-10		Lab ID: R1702494-003				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	0.77	J	0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	0.74	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.70	J	0.30	1.0	ug/L	8260C
Trichloroethene (TCE)	5.0		0.22	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.6		0.30	1.0	ug/L	8260C
CLIENT ID: MW-16		Lab ID: R1702494-005				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	2.3		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	8.7		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	1.3		0.57	1.0	ug/L	8260C
Trichloroethene (TCE)	6.1		0.22	1.0	ug/L	8260C
Vinyl Chloride	8.1		0.32	1.0	ug/L	8260C
cis-1,2-Dichloroethene	30		0.30	1.0	ug/L	8260C
CLIENT ID: MW-8		Lab ID: R1702494-006				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	1.7		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	1.6		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	1.1		0.57	1.0	ug/L	8260C
Trichloroethene (TCE)	26		0.22	1.0	ug/L	8260C
cis-1,2-Dichloroethene	29		0.30	1.0	ug/L	8260C
CLIENT ID: DUP-032217		Lab ID: R1702494-008				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	2.7		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	11		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	1.9		0.57	1.0	ug/L	8260C
Trichloroethene (TCE)	7.3		0.22	1.0	ug/L	8260C
Vinyl Chloride	8.7		0.32	1.0	ug/L	8260C
cis-1,2-Dichloroethene	40		0.30	1.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request:R1702494

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1702494-001	MW-17	3/21/2017	1330
R1702494-002	MW-9	3/21/2017	1535
R1702494-003	MW-10	3/21/2017	1645
R1702494-004	FB-032117	3/21/2017	1700
R1702494-005	MW-16	3/22/2017	1055
R1702494-006	MW-8	3/22/2017	1110
R1702494-007	FB-032217	3/22/2017	1105
R1702494-008	DUP-032217	3/22/2017	
R1702494-009	Trip Blank 1	3/22/2017	
R1702494-010	Trip Blank 2	3/22/2017	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

43748

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

Project Name Pover-Binghamton		Project Number 5101.0003		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																					
Project Manager Sarah Tufaro		Report CC Matt Gandy		PRESERVATIVE																					
Company/Address Verina Consulting Group, LLC 1011 US Highway 22, Suite 302 Bridgewater NJ, 08807		Email stufaro@vcg-llc.com		NUMBER OF CONTAINERS																					
Phone # 908-864-4400		Sampler's Signature Matt Gandy		GC/MS VOCs • 8260 • 821 • CLP GC/MS SVOCs • 8270 • 825 GC VOCs • 8021 • 801/802 PESTICIDES • 8081 • 608 PCBs • 8082 • 608 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) SSPL VOCs																					
Sampler's Printed Name Matt Gandy		REMARKS/ ALTERNATE DESCRIPTION		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other Na₂SO₃																					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		DATE		TIME		MATRIX																	
MW-17		X		3/21/17		13:30		GW		3		X													
MW-9		X		3/21/17		15:35		GW		3		X													
MW-10 (MS/MSD)		X		3/21/17		16:45		GW		9		X													
FB-032117		X		3/21/17		17:00		GW		3		X													
MW-16		X		3/22/17		10:55		GW		3		X													
MW-8		X		3/22/17		11:10		GW		3		X													
FB-032217		X		3/22/17		11:05		GW/FB		3		X													
DUP-032217		X		3/22/17		-		GW		3		X													
Trip Blank		X		-		-		TB		6		X													
Top Blank																									
SPECIAL INSTRUCTIONS/COMMENTS Metals SSPL VOCs = 1,1-DCA, 1,1-DCE, PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-TCA, and vinyl chloride										TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only X II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata X Yes No				INVOICE INFORMATION PO # 5101.0003 BILL TO: Verina							
STATE WHERE SAMPLES WERE COLLECTED New York																									
RELINQUISHED BY Matt Gandy		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY											
Signature Matt Gandy		Signature		Signature		Signature		Signature		Signature		Signature		Signature											
Printed Name Matt Gandy		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name											
Firm Verina		Firm		Firm		Firm		Firm		Firm		Firm		Firm											
Date/Time 3/22/17 4:00		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time											

R1702494
Verina Consulting Group, LLC
Binghamton

5





Cooler Receipt and Preservation Check Form

R1702494

5

Verina Consulting Group, LLC
BinghamtonProject/Client Verina Folder Number _____Cooler received on 3/23/17 by: QCOURIER: ALS UPS ~~FEDEX~~ VELOCITY CLIENT

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

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

8. Temperature Readings Date: 3/23/17 Time: 0935 ID: IR#7 IR#8 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>1.1</u>						
Correction Factor (°C)	<u>+1.0</u>						
Corrected Temp (°C)	<u>2.1</u>						
Temp from: Type of bottle	<u>and tube</u>						
Within 0-6°C?	☒ Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N
If <0°C, were samples frozen?	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N

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

All samples held in storage location: R-002 by Q on 3/23/17 at 0941
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 3/24/17 Time: 1134 by: Q

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

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	-	-						
		ZnAcetate	-	-						
		HCl	**	**	<u>4/15022</u>	<u>8/17</u>				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 6-195-001, 6-222-001

Explain all Discrepancies/ Other Comments:

Headspace Trip Blank - 3 vials
MW-17- 3 vials

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

Labels secondary reviewed by: QPC Secondary Review: AMS 3/27/17 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental
Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1702494-001.01	8260C	3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1240	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-001.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-001.03		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-002.01	8260C	3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1240	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-002.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-002.03		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-003.01		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-003.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-003.03		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1702494-003.04					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-003.05					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-003.06					
	8260C				
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1241	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-003.07					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-003.08					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-003.09					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-004.01					
	8260C				
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1239	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-004.02					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-004.03					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1702494-005.01	8260C	3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1240	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-005.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-005.03		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-006.01	8260C	3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1241	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-006.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-006.03		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-007.01	8260C	3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1241	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-007.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-007.03		3/24/2017	1133	SMO / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1702494-008.01	8260C	3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1241	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-008.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-008.03		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-009.01	8260C	3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1239	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-009.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-009.03		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
R1702494-010.01	8260C	3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	
		3/24/2017	1240	In Lab / KRUEST	
		3/24/2017	1711	R-001-S12 / KRUEST	
R1702494-010.02		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1702494-010.03					
		3/24/2017	1133	SMO / GLAFORCE	
		3/24/2017	1134	R-001 / GLAFORCE	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% (25% for CLP) difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads>

ALS Laboratory Group

Acronyms

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

ALS Group USA, Corp.

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Analyst Summary report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Sample Name: MW-17
Lab Code: R1702494-001
Sample Matrix: Water

Date Collected: 03/21/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-9
Lab Code: R1702494-002
Sample Matrix: Water

Date Collected: 03/21/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-10
Lab Code: R1702494-003
Sample Matrix: Water

Date Collected: 03/21/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: FB-032117
Lab Code: R1702494-004
Sample Matrix: Water

Date Collected: 03/21/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-16
Lab Code: R1702494-005
Sample Matrix: Water

Date Collected: 03/22/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Sample Name: MW-8
Lab Code: R1702494-006
Sample Matrix: Water

Date Collected: 03/22/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: FB-032217
Lab Code: R1702494-007
Sample Matrix: Water

Date Collected: 03/22/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: DUP-032217
Lab Code: R1702494-008
Sample Matrix: Water

Date Collected: 03/22/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: Trip Blank 2
Lab Code: R1702494-010
Sample Matrix: Water

Date Collected: 03/22/17**Date Received:** 03/23/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST



INORGANIC PREPARATION METHODS

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

Water/Liquid Matrix

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

Solid/Soil/Non-Aqueous Matrix

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

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



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 16:45
Date Received: 03/23/17 09:15

Sample Name: MW-10
Lab Code: R1702494-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.77 J	1.0	0.36	1	03/24/17 21:43	
1,1-Dichloroethane (1,1-DCA)	0.74 J	1.0	0.20	1	03/24/17 21:43	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 21:43	
Tetrachloroethene (PCE)	0.70 J	1.0	0.30	1	03/24/17 21:43	
Trichloroethene (TCE)	5.0	1.0	0.22	1	03/24/17 21:43	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 21:43	
cis-1,2-Dichloroethene	2.6	1.0	0.30	1	03/24/17 21:43	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 21:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/24/17 21:43	
Dibromofluoromethane	112	89 - 119	03/24/17 21:43	
Toluene-d8	111	87 - 121	03/24/17 21:43	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17
Date Received: 03/23/17 09:15

Sample Name: Trip Blank 2
Lab Code: R1702494-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 15:41	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 15:41	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 15:41	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 15:41	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 15:41	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 15:41	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 15:41	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 15:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	03/24/17 15:41	
Dibromofluoromethane	110	89 - 119	03/24/17 15:41	
Toluene-d8	109	87 - 121	03/24/17 15:41	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 13:30
Date Received: 03/23/17 09:15

Sample Name: MW-17
Lab Code: R1702494-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.6	1.0	0.36	1	03/24/17 19:12	
1,1-Dichloroethane (1,1-DCA)	6.3	1.0	0.20	1	03/24/17 19:12	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 19:12	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 19:12	
Trichloroethene (TCE)	0.78 J	1.0	0.22	1	03/24/17 19:12	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 19:12	
cis-1,2-Dichloroethene	0.78 J	1.0	0.30	1	03/24/17 19:12	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 19:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/24/17 19:12	
Dibromofluoromethane	108	89 - 119	03/24/17 19:12	
Toluene-d8	108	87 - 121	03/24/17 19:12	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 15:35
Date Received: 03/23/17 09:15

Sample Name: MW-9
Lab Code: R1702494-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 19:42	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 19:42	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 19:42	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 19:42	
Trichloroethene (TCE)	7.1	1.0	0.22	1	03/24/17 19:42	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 19:42	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 19:42	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 19:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	03/24/17 19:42	
Dibromofluoromethane	108	89 - 119	03/24/17 19:42	
Toluene-d8	106	87 - 121	03/24/17 19:42	

ALS Group USA, Corp.
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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 17:00
Date Received: 03/23/17 09:15

Sample Name: FB-032117
Lab Code: R1702494-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 14:11	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 14:11	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 14:11	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 14:11	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 14:11	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 14:11	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 14:11	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 14:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	03/24/17 14:11	
Dibromofluoromethane	106	89 - 119	03/24/17 14:11	
Toluene-d8	109	87 - 121	03/24/17 14:11	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17 10:55
Date Received: 03/23/17 09:15

Sample Name: MW-16
Lab Code: R1702494-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.3	1.0	0.36	1	03/24/17 20:12	
1,1-Dichloroethane (1,1-DCA)	8.7	1.0	0.20	1	03/24/17 20:12	
1,1-Dichloroethene (1,1-DCE)	1.3	1.0	0.57	1	03/24/17 20:12	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 20:12	
Trichloroethene (TCE)	6.1	1.0	0.22	1	03/24/17 20:12	
Vinyl Chloride	8.1	1.0	0.32	1	03/24/17 20:12	
cis-1,2-Dichloroethene	30	1.0	0.30	1	03/24/17 20:12	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 20:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/24/17 20:12	
Dibromofluoromethane	107	89 - 119	03/24/17 20:12	
Toluene-d8	109	87 - 121	03/24/17 20:12	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17 11:10
Date Received: 03/23/17 09:15

Sample Name: MW-8
Lab Code: R1702494-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.7	1.0	0.36	1	03/24/17 20:42	
1,1-Dichloroethane (1,1-DCA)	1.6	1.0	0.20	1	03/24/17 20:42	
1,1-Dichloroethene (1,1-DCE)	1.1	1.0	0.57	1	03/24/17 20:42	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 20:42	
Trichloroethene (TCE)	26	1.0	0.22	1	03/24/17 20:42	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 20:42	
cis-1,2-Dichloroethene	29	1.0	0.30	1	03/24/17 20:42	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 20:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	03/24/17 20:42	
Dibromofluoromethane	113	89 - 119	03/24/17 20:42	
Toluene-d8	108	87 - 121	03/24/17 20:42	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17 11:05
Date Received: 03/23/17 09:15

Sample Name: FB-032217
Lab Code: R1702494-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 14:41	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 14:41	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 14:41	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 14:41	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 14:41	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 14:41	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 14:41	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 14:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	03/24/17 14:41	
Dibromofluoromethane	107	89 - 119	03/24/17 14:41	
Toluene-d8	109	87 - 121	03/24/17 14:41	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17
Date Received: 03/23/17 09:15

Sample Name: DUP-032217
Lab Code: R1702494-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.7	1.0	0.36	1	03/24/17 21:12	
1,1-Dichloroethane (1,1-DCA)	11	1.0	0.20	1	03/24/17 21:12	
1,1-Dichloroethene (1,1-DCE)	1.9	1.0	0.57	1	03/24/17 21:12	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 21:12	
Trichloroethene (TCE)	7.3	1.0	0.22	1	03/24/17 21:12	
Vinyl Chloride	8.7	1.0	0.32	1	03/24/17 21:12	
cis-1,2-Dichloroethene	40	1.0	0.30	1	03/24/17 21:12	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 21:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	03/24/17 21:12	
Dibromofluoromethane	107	89 - 119	03/24/17 21:12	
Toluene-d8	110	87 - 121	03/24/17 21:12	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	89 - 119	87 - 121
MW-10	R1702494-003	102	112	111
Trip Blank 2	R1702494-010	104	110	109
Lab Control Sample	RQ1702468-03	101	109	109
Method Blank	RQ1702468-04	103	106	110
MW-10 MS	RQ1702468-05	105	111	111
MW-10 DMS	RQ1702468-06	105	110	112

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17
Date Received: 03/23/17
Date Analyzed: 03/24/17
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-10
Lab Code: R1702494-003
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1702468-05			Duplicate Matrix Spike RQ1702468-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1-Trichloroethane (TCA)	0.77 J	55.4	50.0	109	51.0	50.0	101	74-127	8	30
1,1-Dichloroethane (1,1-DCA)	0.74 J	55.7	50.0	110	52.8	50.0	104	74-132	5	30
1,1-Dichloroethene (1,1-DCE)	ND U	52.9	50.0	106	51.3	50.0	103	74-139	3	30
Tetrachloroethene (PCE)	0.70 J	49.6	50.0	98	50.5	50.0	100	67-137	2	30
Trichloroethene (TCE)	5.0	61.3	50.0	112	59.0	50.0	108	62-142	4	30
Vinyl Chloride	ND U	58.9	50.0	118	54.7	50.0	109	60-157	7	30
cis-1,2-Dichloroethene	2.6	55.3	50.0	105	51.8	50.0	98	72-133	7	30
trans-1,2-Dichloroethene	ND U	51.6	50.0	103	47.8	50.0	96	77-125	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Analyzed: 03/24/17 13:41
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1702468-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-12
File ID: I:\ACQUDATA\msvoa12\Data\032417\P8662.D\
Analysis Lot: 539250

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1702468-03	I:\ACQUDATA\msvoa12\Data\032417\P8660.D\	03/24/17 12:41
Trip Blank 2	R1702494-010	I:\ACQUDATA\msvoa12\Data\032417\P8666.D\	03/24/17 15:41
MW-10	R1702494-003	I:\ACQUDATA\msvoa12\Data\032417\P8678.D\	03/24/17 21:43
MW-10	RQ1702468-05	I:\ACQUDATA\msvoa12\Data\032417\P8679.D\	03/24/17 22:13
MW-10	RQ1702468-06	I:\ACQUDATA\msvoa12\Data\032417\P8680.D\	03/24/17 22:43

ALS Group USA, Corp.
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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1702468-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 13:41	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 13:41	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 13:41	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 13:41	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 13:41	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 13:41	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 13:41	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 13:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/24/17 13:41	
Dibromofluoromethane	106	89 - 119	03/24/17 13:41	
Toluene-d8	110	87 - 121	03/24/17 13:41	

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Analyzed: 03/24/17 12:41
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1702468-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-12
File ID: I:\ACQUDATA\msvoa12\Data\032417\P8660.D\
Analysis Lot: 539250

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1702468-04	I:\ACQUDATA\msvoa12\Data\032417\P8662.D\	03/24/17 13:41
Trip Blank 2	R1702494-010	I:\ACQUDATA\msvoa12\Data\032417\P8666.D\	03/24/17 15:41
MW-10	R1702494-003	I:\ACQUDATA\msvoa12\Data\032417\P8678.D\	03/24/17 21:43
MW-10	RQ1702468-05	I:\ACQUDATA\msvoa12\Data\032417\P8679.D\	03/24/17 22:13
MW-10	RQ1702468-06	I:\ACQUDATA\msvoa12\Data\032417\P8680.D\	03/24/17 22:43

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Analyzed: 03/24/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1702468-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.5	20.0	98	74-120
1,1-Dichloroethane (1,1-DCA)	8260C	20.5	20.0	102	78-117
1,1-Dichloroethene (1,1-DCE)	8260C	20.3	20.0	101	74-135
Tetrachloroethene (PCE)	8260C	18.0	20.0	90	78-124
Trichloroethene (TCE)	8260C	19.0	20.0	95	78-123
Vinyl Chloride	8260C	21.0	20.0	105	69-133
cis-1,2-Dichloroethene	8260C	19.9	20.0	100	80-121
trans-1,2-Dichloroethene	8260C	19.0	20.0	95	80-120

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QC/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 11:42

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\032417\P8658.D\
Instrument ID: R-MS-12

Analytical Method: 8260C
Analysis Lot: 539250

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.25	82381	Pass
75	95	30	60	51.09	198068	Pass
95	95	100	100	100.00	387648	Pass
96	95	5	9	6.96	26963	Pass
173	174	0	2	1.35	4410	Pass
174	95	50	120	84.08	325952	Pass
175	174	5	9	7.94	25888	Pass
176	174	95	101	95.07	309867	Pass
177	176	5	9	6.83	21149	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1702468-02	I:\ACQUDATA\msvoa12\Data\032417\P8659.D\	03/24/17 12:11	
Lab Control Sample	RQ1702468-03	I:\ACQUDATA\msvoa12\Data\032417\P8660.D\	03/24/17 12:41	
Method Blank	RQ1702468-04	I:\ACQUDATA\msvoa12\Data\032417\P8662.D\	03/24/17 13:41	
Trip Blank 2	R1702494-010	I:\ACQUDATA\msvoa12\Data\032417\P8666.D\	03/24/17 15:41	
MW-10	R1702494-003	I:\ACQUDATA\msvoa12\Data\032417\P8678.D\	03/24/17 21:43	
MW-10	RQ1702468-05	I:\ACQUDATA\msvoa12\Data\032417\P8679.D\	03/24/17 22:13	
MW-10	RQ1702468-06	I:\ACQUDATA\msvoa12\Data\032417\P8680.D\	03/24/17 22:43	

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 12:11

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

File ID: I:\ACQUDATA\msvoa12\Data\032417\P8659.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code: RQ1702468-02
Analysis Lot: 539250
Signal ID:

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
ICAL Result ==>	656,950	12.02	1,352,719	6.76	1,243,548	9.99
Upper Limit ==>	1,313,900	12.52	2,705,438	7.26	2,487,096	10.49
Lower Limit ==>	328,475	11.52	676,360	6.26	621,774	9.49

Associated Analyses

Lab Control Sample	RQ1702468-03	631868	12.01	1385870	6.76	1265677	9.99
Method Blank	RQ1702468-04	610173	12.01	1315150	6.76	1221134	9.99
Trip Blank 2	R1702494-010	589639	12.01	1273207	6.76	1179916	9.99
MW-10	R1702494-003	600729	12.01	1267266	6.76	1154691	9.99
MW-10	RQ1702468-05	651477	12.02	1323384	6.76	1217267	9.99
MW-10	RQ1702468-06	650434	12.02	1348920	6.76	1256006	9.99

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 12:11

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

File ID: I:\ACQUDATA\msvoa12\Data\032417\P8659.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code: RQ1702468-02
Analysis Lot: 539250
Signal ID:

	Pentafluorobenzene	
	Area	RT
ICAL Result ==>	850,770	5.73
Upper Limit ==>	1,701,540	6.23
Lower Limit ==>	425,385	5.23

Associated Analyses

Lab Control Sample	RQ1702468-03	848404	5.73
Method Blank	RQ1702468-04	813734	5.73
Trip Blank 2	R1702494-010	794309	5.73
MW-10	R1702494-003	776130	5.73
MW-10	RQ1702468-05	792547	5.73
MW-10	RQ1702468-06	851228	5.73

ALS Group USA, Corp.
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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	89 - 119	87 - 121
MW-17	R1702494-001	102	108	108
MW-9	R1702494-002	101	108	106
FB-032117	R1702494-004	100	106	109
MW-16	R1702494-005	102	107	109
MW-8	R1702494-006	100	113	108
FB-032217	R1702494-007	101	107	109
DUP-032217	R1702494-008	99	107	110
Lab Control Sample	RQ1702468-03	101	109	109
Method Blank	RQ1702468-04	103	106	110

ALS Group USA, Corp.

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Analyzed: 03/24/17 13:41
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: Method Blank
Lab Code: RQ1702468-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-12
File ID: I:\ACQUDATA\msvoa12\Data\032417\P8662.D\
Analysis Lot: 539250

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1702468-03	I:\ACQUDATA\msvoa12\Data\032417\P8660.D\	03/24/17 12:41
FB-032117	R1702494-004	I:\ACQUDATA\msvoa12\Data\032417\P8663.D\	03/24/17 14:11
FB-032217	R1702494-007	I:\ACQUDATA\msvoa12\Data\032417\P8664.D\	03/24/17 14:41
MW-17	R1702494-001	I:\ACQUDATA\msvoa12\Data\032417\P8673.D\	03/24/17 19:12
MW-9	R1702494-002	I:\ACQUDATA\msvoa12\Data\032417\P8674.D\	03/24/17 19:42
MW-16	R1702494-005	I:\ACQUDATA\msvoa12\Data\032417\P8675.D\	03/24/17 20:12
MW-8	R1702494-006	I:\ACQUDATA\msvoa12\Data\032417\P8676.D\	03/24/17 20:42
DUP-032217	R1702494-008	I:\ACQUDATA\msvoa12\Data\032417\P8677.D\	03/24/17 21:12

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1702468-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 13:41	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 13:41	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 13:41	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 13:41	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 13:41	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 13:41	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 13:41	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 13:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/24/17 13:41	
Dibromofluoromethane	106	89 - 119	03/24/17 13:41	
Toluene-d8	110	87 - 121	03/24/17 13:41	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Analyzed: 03/24/17 12:41
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: Lab Control Sample
Lab Code: RQ1702468-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-12
File ID: I:\ACQUDATA\msvoa12\Data\032417\P8660.D\
Analysis Lot: 539250

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1702468-04	I:\ACQUDATA\msvoa12\Data\032417\P8662.D\	03/24/17 13:41
FB-032117	R1702494-004	I:\ACQUDATA\msvoa12\Data\032417\P8663.D\	03/24/17 14:11
FB-032217	R1702494-007	I:\ACQUDATA\msvoa12\Data\032417\P8664.D\	03/24/17 14:41
MW-17	R1702494-001	I:\ACQUDATA\msvoa12\Data\032417\P8673.D\	03/24/17 19:12
MW-9	R1702494-002	I:\ACQUDATA\msvoa12\Data\032417\P8674.D\	03/24/17 19:42
MW-16	R1702494-005	I:\ACQUDATA\msvoa12\Data\032417\P8675.D\	03/24/17 20:12
MW-8	R1702494-006	I:\ACQUDATA\msvoa12\Data\032417\P8676.D\	03/24/17 20:42
DUP-032217	R1702494-008	I:\ACQUDATA\msvoa12\Data\032417\P8677.D\	03/24/17 21:12

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Analyzed: 03/24/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1702468-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.5	20.0	98	74-120
1,1-Dichloroethane (1,1-DCA)	8260C	20.5	20.0	102	78-117
1,1-Dichloroethene (1,1-DCE)	8260C	20.3	20.0	101	74-135
Tetrachloroethene (PCE)	8260C	18.0	20.0	90	78-124
Trichloroethene (TCE)	8260C	19.0	20.0	95	78-123
Vinyl Chloride	8260C	21.0	20.0	105	69-133
cis-1,2-Dichloroethene	8260C	19.9	20.0	100	80-121
trans-1,2-Dichloroethene	8260C	19.0	20.0	95	80-120

ALS Group USA, Corp.
dba ALS Environmental

QC/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 11:42

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa12\Data\032417\P8658.D\
Instrument ID: R-MS-12

Analytical Method: 8260C
Analysis Lot: 539250

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.25	82381	Pass
75	95	30	60	51.09	198068	Pass
95	95	100	100	100.00	387648	Pass
96	95	5	9	6.96	26963	Pass
173	174	0	2	1.35	4410	Pass
174	95	50	120	84.08	325952	Pass
175	174	5	9	7.94	25888	Pass
176	174	95	101	95.07	309867	Pass
177	176	5	9	6.83	21149	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1702468-02	I:\ACQUDATA\msvoa12\Data\032417\P8659.D\	03/24/17 12:11	
Lab Control Sample	RQ1702468-03	I:\ACQUDATA\msvoa12\Data\032417\P8660.D\	03/24/17 12:41	
Method Blank	RQ1702468-04	I:\ACQUDATA\msvoa12\Data\032417\P8662.D\	03/24/17 13:41	
FB-032117	R1702494-004	I:\ACQUDATA\msvoa12\Data\032417\P8663.D\	03/24/17 14:11	
FB-032217	R1702494-007	I:\ACQUDATA\msvoa12\Data\032417\P8664.D\	03/24/17 14:41	
MW-17	R1702494-001	I:\ACQUDATA\msvoa12\Data\032417\P8673.D\	03/24/17 19:12	
MW-9	R1702494-002	I:\ACQUDATA\msvoa12\Data\032417\P8674.D\	03/24/17 19:42	
MW-16	R1702494-005	I:\ACQUDATA\msvoa12\Data\032417\P8675.D\	03/24/17 20:12	
MW-8	R1702494-006	I:\ACQUDATA\msvoa12\Data\032417\P8676.D\	03/24/17 20:42	
DUP-032217	R1702494-008	I:\ACQUDATA\msvoa12\Data\032417\P8677.D\	03/24/17 21:12	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 12:11

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

File ID: I:\ACQUDATA\msvoa12\Data\032417\P8659.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code: RQ1702468-02
Analysis Lot: 539250
Signal ID:

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
ICAL Result ==>	656,950	12.02	1,352,719	6.76	1,243,548	9.99
Upper Limit ==>	1,313,900	12.52	2,705,438	7.26	2,487,096	10.49
Lower Limit ==>	328,475	11.52	676,360	6.26	621,774	9.49

Associated Analyses

Lab Control Sample	RQ1702468-03	631868	12.01	1385870	6.76	1265677	9.99
Method Blank	RQ1702468-04	610173	12.01	1315150	6.76	1221134	9.99
FB-032117	R1702494-004	607112	12.01	1337125	6.76	1200065	9.99
FB-032217	R1702494-007	598867	12.01	1311709	6.76	1201470	9.99
MW-17	R1702494-001	554660	12.01	1297747	6.76	1187374	9.99
MW-9	R1702494-002	577777	12.01	1287303	6.76	1171462	9.99
MW-16	R1702494-005	569328	12.01	1294532	6.76	1187563	9.99
MW-8	R1702494-006	581881	12.01	1287942	6.76	1166736	9.99
DUP-032217	R1702494-008	577560	12.01	1300663	6.76	1194441	9.99

ALS Group USA, Corp.
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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 12:11

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

File ID: I:\ACQUDATA\msvoa12\Data\032417\P8659.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code: RQ1702468-02
Analysis Lot: 539250
Signal ID:

	Pentafluorobenzene	
	Area	RT
ICAL Result ==>	850,770	5.73
Upper Limit ==>	1,701,540	6.23
Lower Limit ==>	425,385	5.23

Associated Analyses

Lab Control Sample	RQ1702468-03	848404	5.73
Method Blank	RQ1702468-04	813734	5.73
FB-032117	R1702494-004	826357	5.73
FB-032217	R1702494-007	813325	5.73
MW-17	R1702494-001	789116	5.73
MW-9	R1702494-002	753381	5.73
MW-16	R1702494-005	785276	5.73
MW-8	R1702494-006	789127	5.73
DUP-032217	R1702494-008	777358	5.73



Raw Data

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 13:30
Date Received: 03/23/17 09:15

Sample Name: MW-17
Lab Code: R1702494-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.6	1.0	0.36	1	03/24/17 19:12	
1,1-Dichloroethane (1,1-DCA)	6.3	1.0	0.20	1	03/24/17 19:12	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 19:12	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 19:12	
Trichloroethene (TCE)	0.78 J	1.0	0.22	1	03/24/17 19:12	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 19:12	
cis-1,2-Dichloroethene	0.78 J	1.0	0.30	1	03/24/17 19:12	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 19:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/24/17 19:12	
Dibromofluoromethane	108	89 - 119	03/24/17 19:12	
Toluene-d8	108	87 - 121	03/24/17 19:12	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 15:35
Date Received: 03/23/17 09:15

Sample Name: MW-9
Lab Code: R1702494-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 19:42	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 19:42	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 19:42	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 19:42	
Trichloroethene (TCE)	7.1	1.0	0.22	1	03/24/17 19:42	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 19:42	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 19:42	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 19:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	03/24/17 19:42	
Dibromofluoromethane	108	89 - 119	03/24/17 19:42	
Toluene-d8	106	87 - 121	03/24/17 19:42	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 17:00
Date Received: 03/23/17 09:15

Sample Name: FB-032117
Lab Code: R1702494-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 14:11	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 14:11	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 14:11	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 14:11	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 14:11	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 14:11	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 14:11	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 14:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	03/24/17 14:11	
Dibromofluoromethane	106	89 - 119	03/24/17 14:11	
Toluene-d8	109	87 - 121	03/24/17 14:11	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17 10:55
Date Received: 03/23/17 09:15

Sample Name: MW-16
Lab Code: R1702494-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.3	1.0	0.36	1	03/24/17 20:12	
1,1-Dichloroethane (1,1-DCA)	8.7	1.0	0.20	1	03/24/17 20:12	
1,1-Dichloroethene (1,1-DCE)	1.3	1.0	0.57	1	03/24/17 20:12	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 20:12	
Trichloroethene (TCE)	6.1	1.0	0.22	1	03/24/17 20:12	
Vinyl Chloride	8.1	1.0	0.32	1	03/24/17 20:12	
cis-1,2-Dichloroethene	30	1.0	0.30	1	03/24/17 20:12	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 20:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/24/17 20:12	
Dibromofluoromethane	107	89 - 119	03/24/17 20:12	
Toluene-d8	109	87 - 121	03/24/17 20:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17 11:10
Date Received: 03/23/17 09:15

Sample Name: MW-8
Lab Code: R1702494-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.7	1.0	0.36	1	03/24/17 20:42	
1,1-Dichloroethane (1,1-DCA)	1.6	1.0	0.20	1	03/24/17 20:42	
1,1-Dichloroethene (1,1-DCE)	1.1	1.0	0.57	1	03/24/17 20:42	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 20:42	
Trichloroethene (TCE)	26	1.0	0.22	1	03/24/17 20:42	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 20:42	
cis-1,2-Dichloroethene	29	1.0	0.30	1	03/24/17 20:42	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 20:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	03/24/17 20:42	
Dibromofluoromethane	113	89 - 119	03/24/17 20:42	
Toluene-d8	108	87 - 121	03/24/17 20:42	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17 11:05
Date Received: 03/23/17 09:15

Sample Name: FB-032217
Lab Code: R1702494-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 14:41	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 14:41	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 14:41	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 14:41	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 14:41	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 14:41	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 14:41	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 14:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	03/24/17 14:41	
Dibromofluoromethane	107	89 - 119	03/24/17 14:41	
Toluene-d8	109	87 - 121	03/24/17 14:41	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17
Date Received: 03/23/17 09:15

Sample Name: DUP-032217
Lab Code: R1702494-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.7	1.0	0.36	1	03/24/17 21:12	
1,1-Dichloroethane (1,1-DCA)	11	1.0	0.20	1	03/24/17 21:12	
1,1-Dichloroethene (1,1-DCE)	1.9	1.0	0.57	1	03/24/17 21:12	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 21:12	
Trichloroethene (TCE)	7.3	1.0	0.22	1	03/24/17 21:12	
Vinyl Chloride	8.7	1.0	0.32	1	03/24/17 21:12	
cis-1,2-Dichloroethene	40	1.0	0.30	1	03/24/17 21:12	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 21:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	03/24/17 21:12	
Dibromofluoromethane	107	89 - 119	03/24/17 21:12	
Toluene-d8	110	87 - 121	03/24/17 21:12	

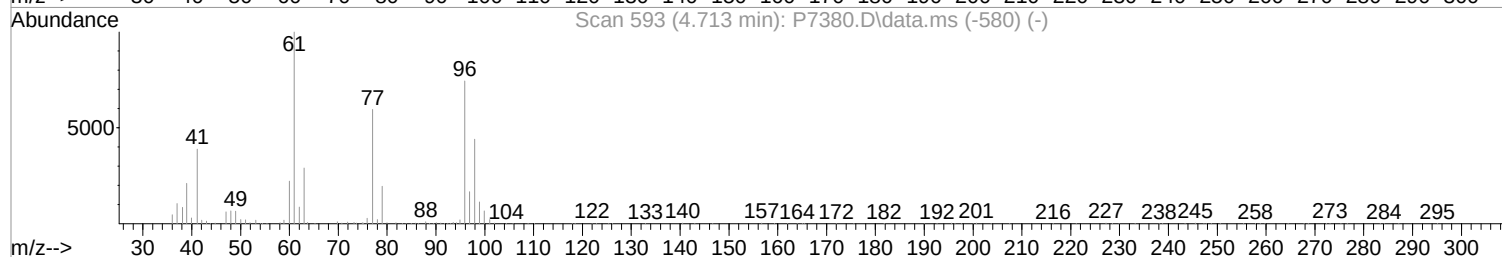
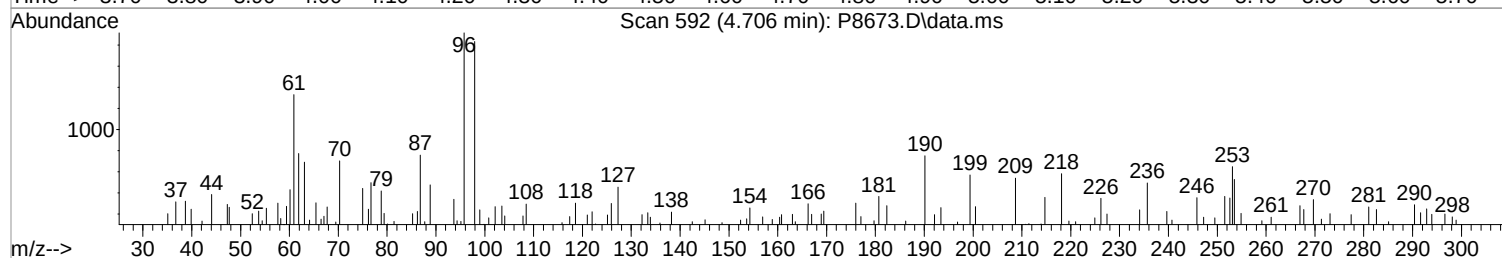
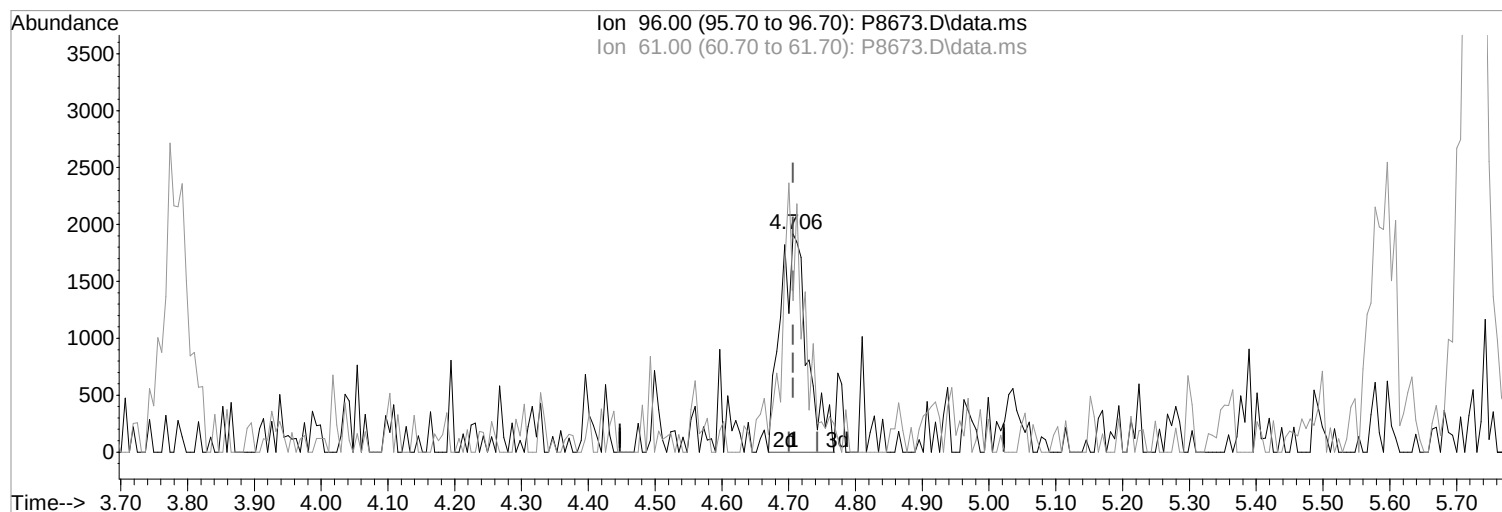
Quantitation Report (Qedit)

1st *12* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8673.D
Acq On : 24 Mar 2017 7:12 pm
Operator : K.Ruest
Sample : R1702494-001|1.0
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:08:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8673.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.706min (+0.000) 0.78 ppb m

response 5398

Ion	Exp%	Act%
96.00	100	100
61.00	134.80	69.43#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

03/27/17

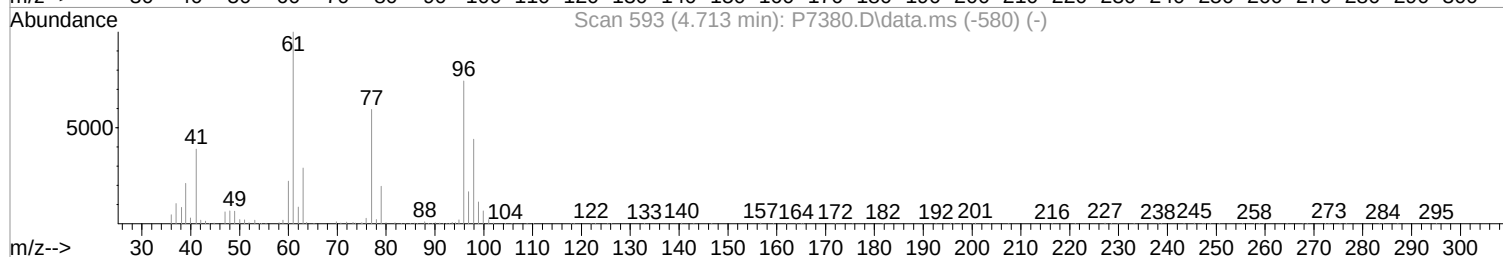
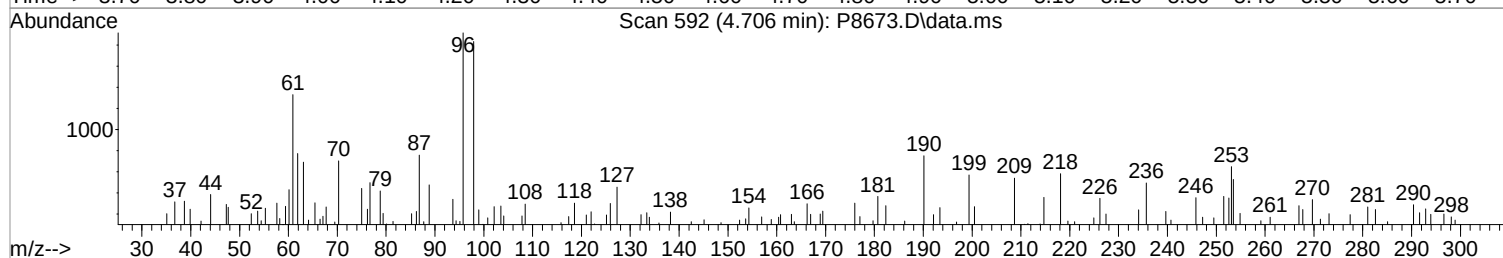
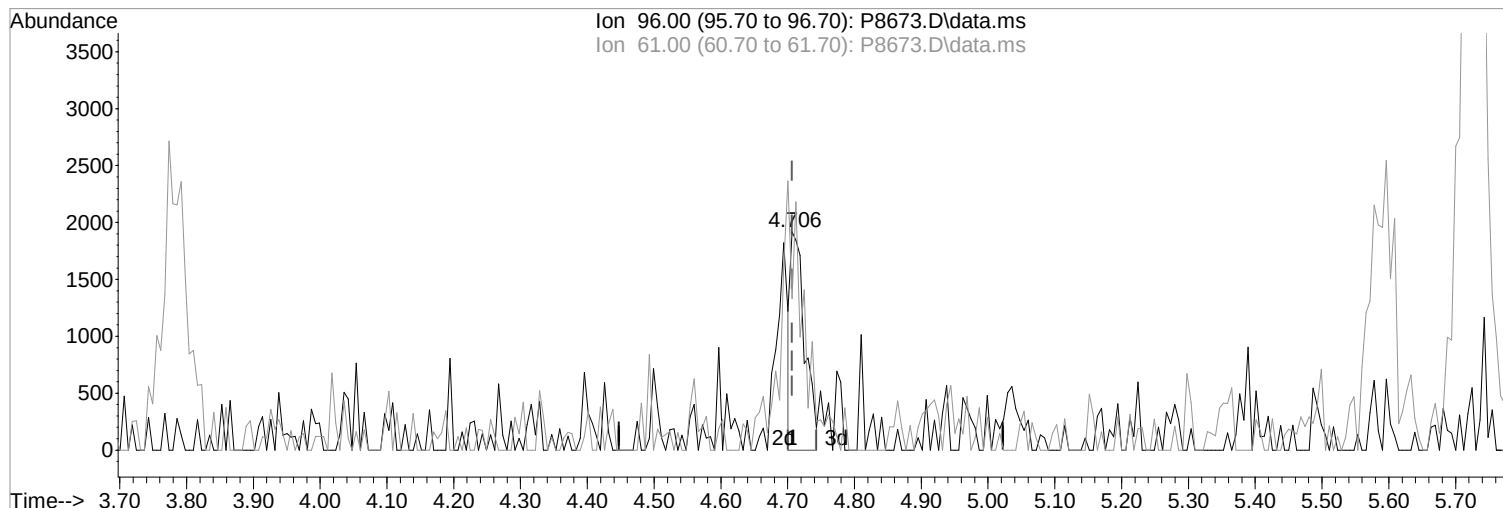
Quantitation Report (Qedit)

1st *12* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8673.D
Acq On : 24 Mar 2017 7:12 pm
Operator : K.Ruest
Sample : R1702494-001|1.0
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:08:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8673.D\data.ms

(34) cis-1,2-Dichloroethene (P)

Manual Integration:

4.706min (+0.000) 0.41 ppb

Before

response 2861

Ion Exp% Act%

03/27/17

96.00 100 100

61.00 134.80 69.43#

0.00 0.00 0.00

0.00 0.00 0.00

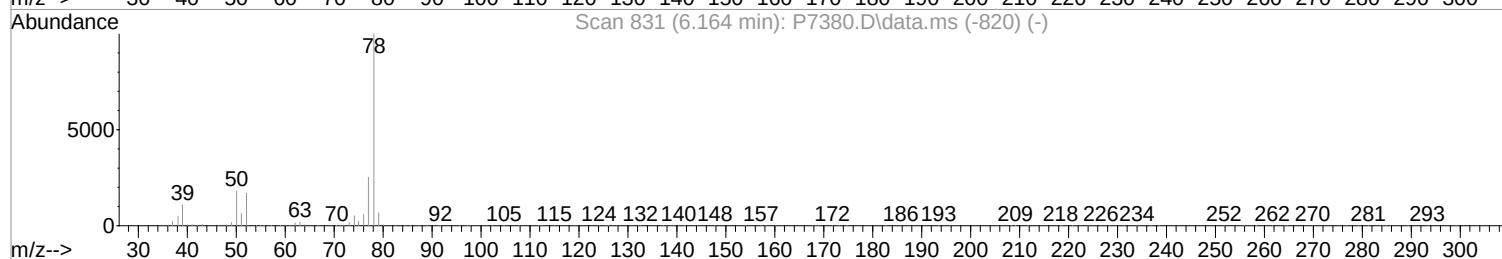
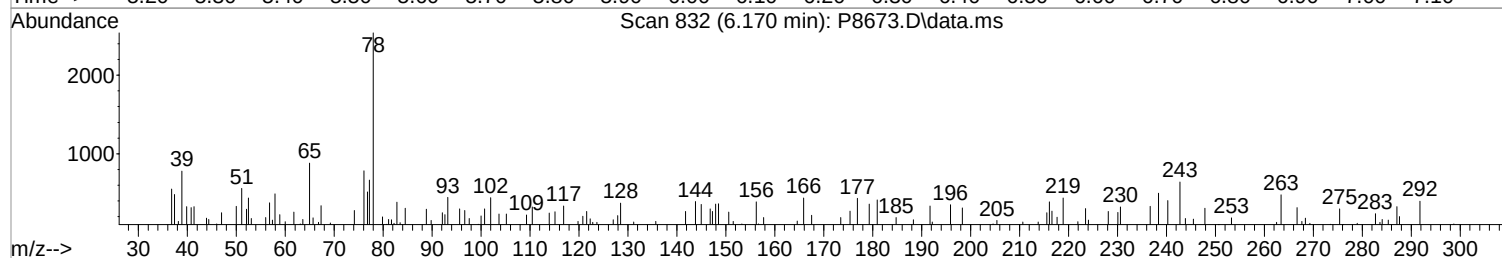
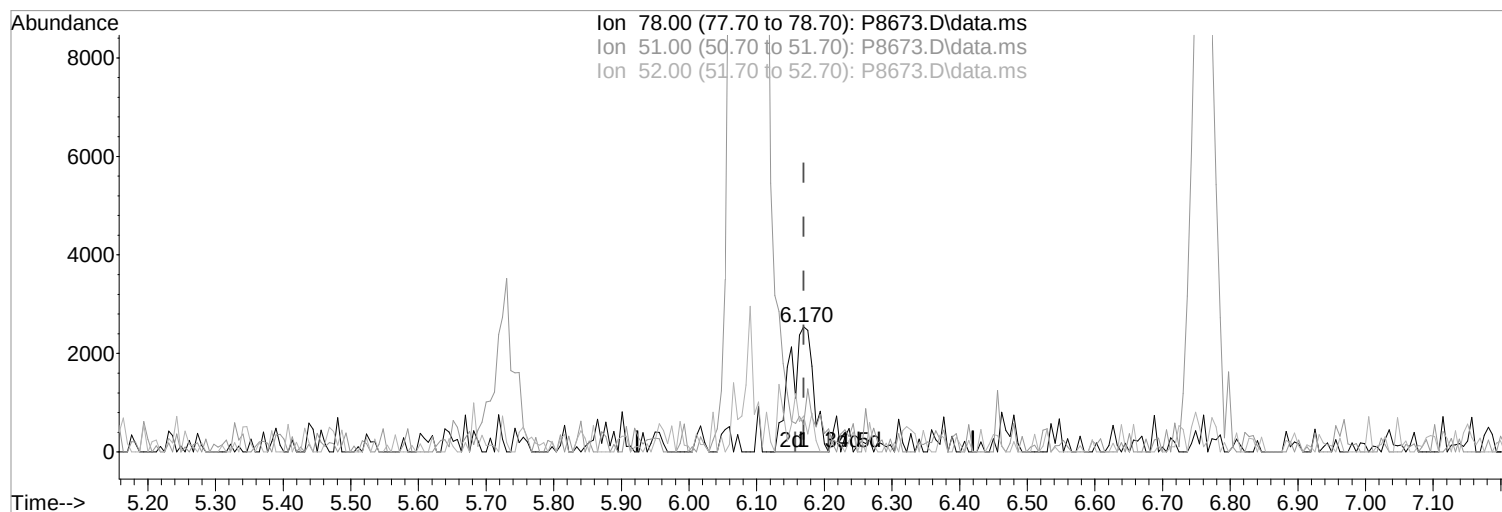
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8673.D
Acq On : 24 Mar 2017 7:12 pm
Operator : K.Ruest
Sample : R1702494-001|1.0
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:08:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8673.D\data.ms

(49) Benzene (P)

6.170min (+0.000) 0.27 ppb m

response 6165

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	22.00
52.00	16.90	17.24
0.00	0.00	0.00

Manual Integration:

After

Split Peak

03/27/17

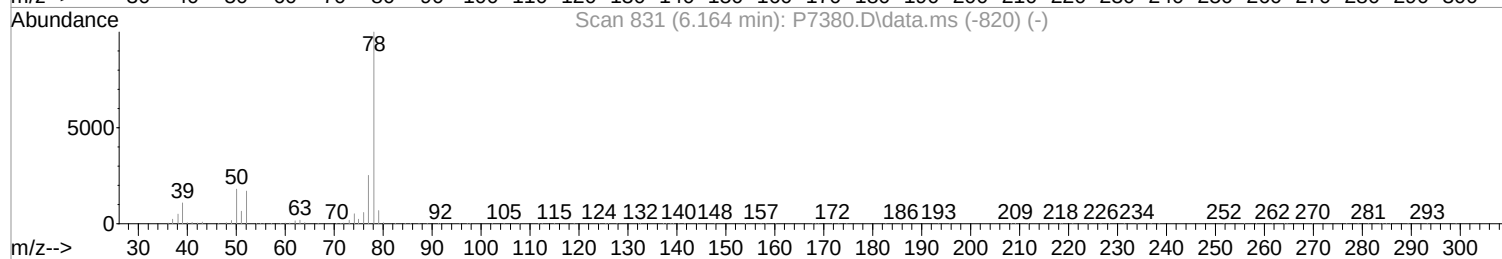
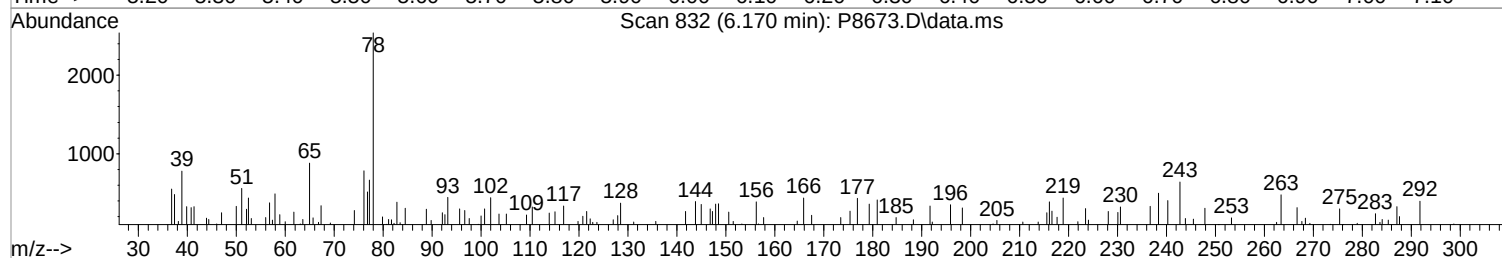
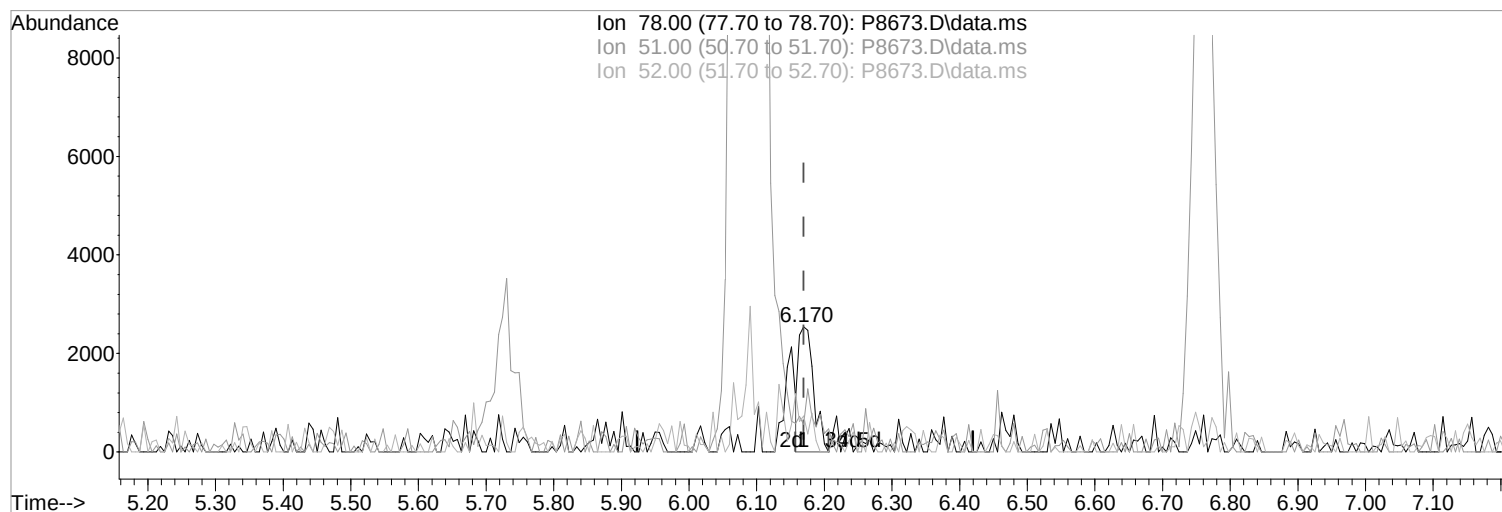
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8673.D
Acq On : 24 Mar 2017 7:12 pm
Operator : K.Ruest
Sample : R1702494-001|1.0
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:08:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8673.D\data.ms

(49) Benzene (P)

Manual Integration:

6.170min (+0.000) 0.17 ppb

Before

response 3900

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	22.00
52.00	16.90	28.81
0.00	0.00	0.00

03/27/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8673.D
 Acq On : 24 Mar 2017 7:12 pm
 Operator : K.Ruest
 Sample : R1702494-001|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA-12

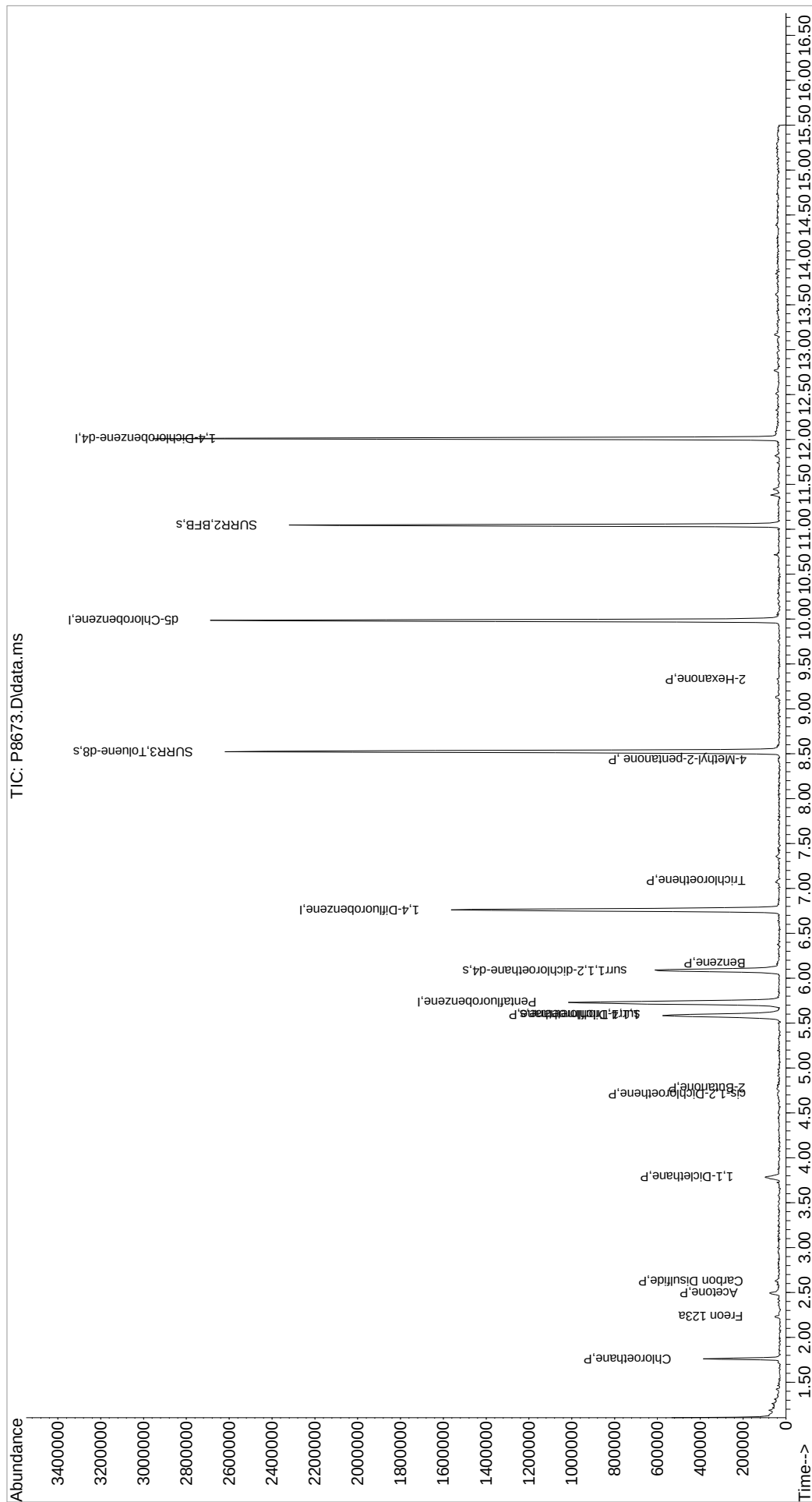
Quant Time: Mar 27 11:23:28 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

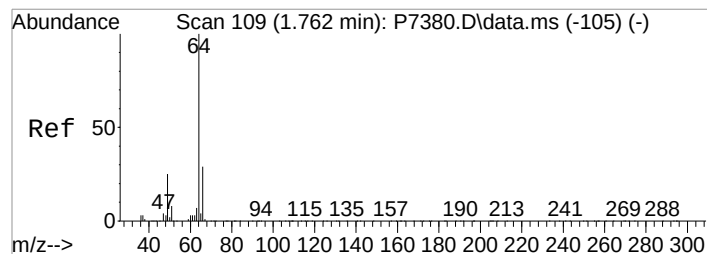
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	789116	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1297747	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1187374	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	554660	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.590	113	378948	54.11	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery =	108.22%		
48) surr1,1,2-dichloroetha...	6.084	65	458517	58.97	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	117.94%		
65) SURR3,Toluene-d8	8.523	98	1558017	53.81	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	107.62%		
70) SURR2,BFB	11.047	95	569585	50.77	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	101.54%		
Target Compounds						
6) Chloroethane	1.762	64	188547	46.70	ppb	Qvalue 89
10) Freon 123a	2.231	67	7572	1.26	ppb	96
15) Acetone	2.493	43	53805	46.42	ppb	98
18) Carbon Disulfide	2.627	76	17093	1.00	ppb	85
28) 1,1-Dicethane	3.786	63	67928	6.26	ppb	93
34) cis-1,2-Dichloroethene	4.706	96	5398m	0.78	ppb	
35) 2-Butanone	4.773	43	12766	7.49	ppb	83
41) 1,1,1-Trichloroethane	5.590	97	14678	1.59	ppb	80
49) Benzene	6.170	78	6165m	0.27	ppb	
54) Trichloroethene	7.084	130	5247	0.78	ppb	# 75
64) 4-Methyl-2-pentanone	8.431	43	1887	0.46	ppb	# 65
73) 2-Hexanone	9.327	43	5300	1.98	ppb	# 63

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

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8673.D
Acq On : 24 Mar 2017 7:12 pm
Operator : K.Ruest
Sample : R1702494-001|1.0
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1
Inst : MSV0A-12

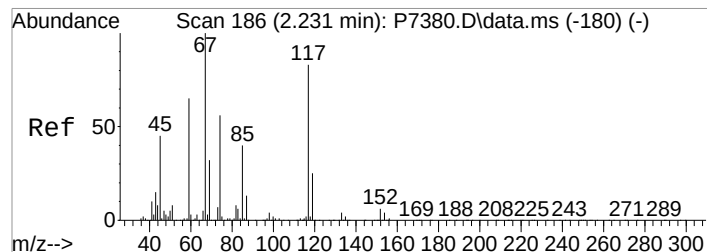
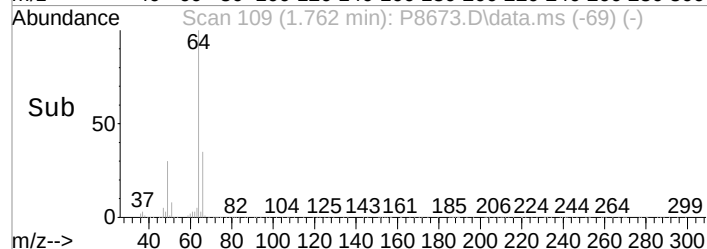
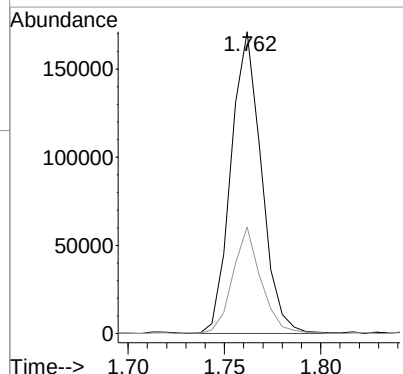
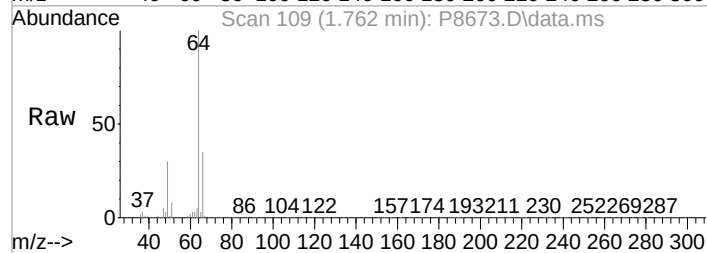
Quant Time: Mar 27 11:23:28 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration





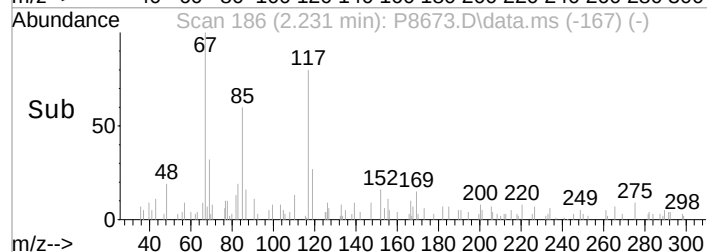
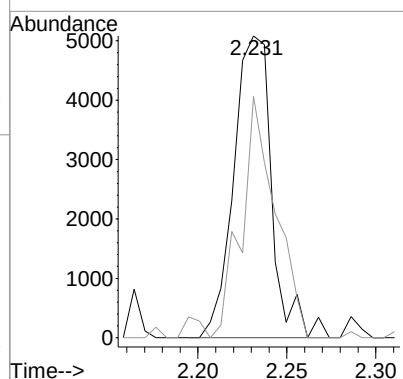
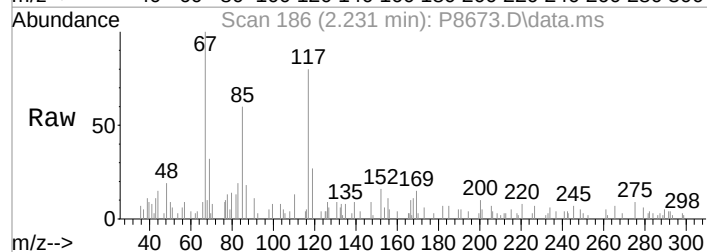
#6
Chloroethane
Concen: 46.70 ppb
RT: 1.762 min Scan# 109
Delta R.T. 0.000 min
Lab File: P8673.D
Acq: 24 Mar 2017 7:12 pm

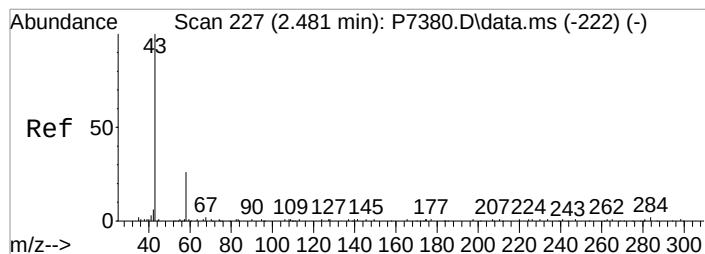
Tgt Ion: 64 Resp: 188547
Ion Ratio Lower Upper
64 100
66 35.3 9.4 49.4



#10
Freon 123a
Concen: 1.26 ppb
RT: 2.231 min Scan# 186
Delta R.T. 0.000 min
Lab File: P8673.D
Acq: 24 Mar 2017 7:12 pm

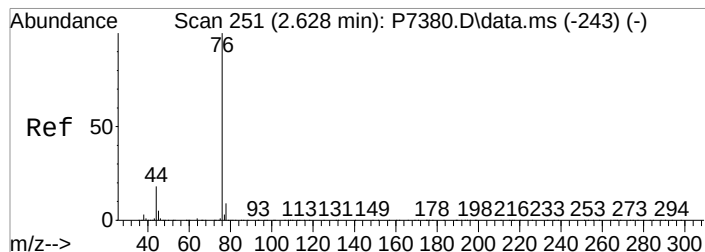
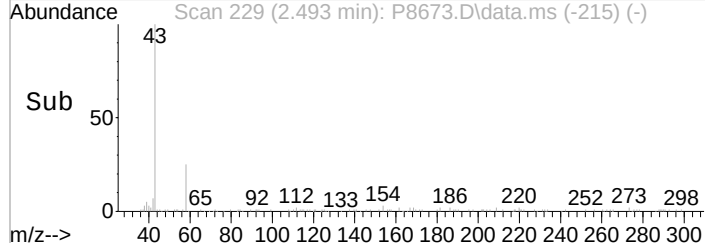
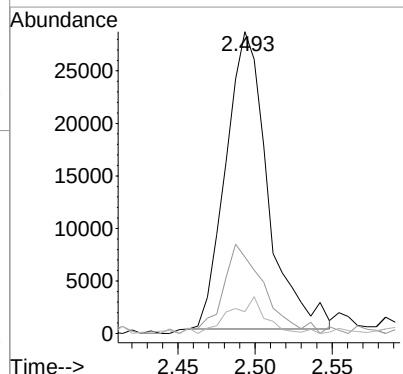
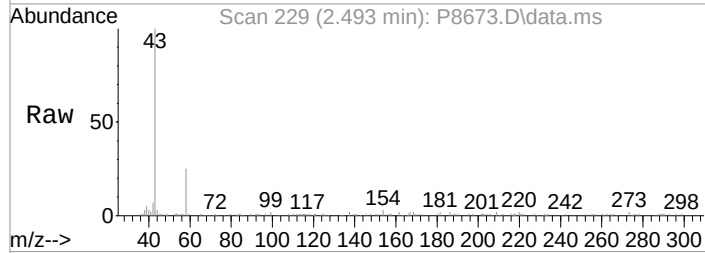
Tgt Ion: 67 Resp: 7572
Ion Ratio Lower Upper
67 100
117 79.9 63.4 103.4





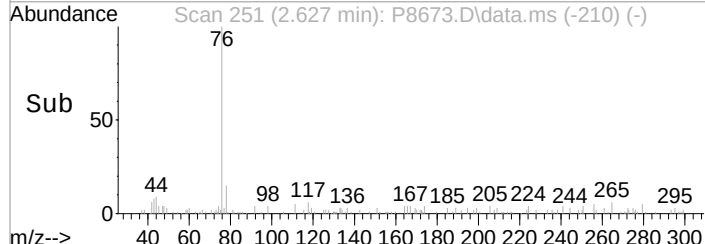
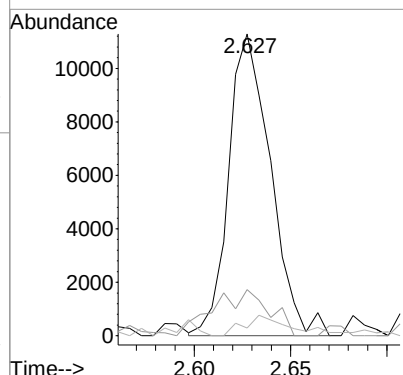
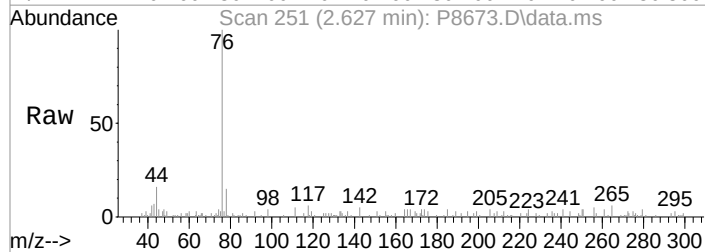
#15
 Acetone
 Concen: 46.42 ppb
 RT: 2.493 min Scan# 229
 Delta R.T. 0.012 min
 Lab File: P8673.D
 Acq: 24 Mar 2017 7:12 pm

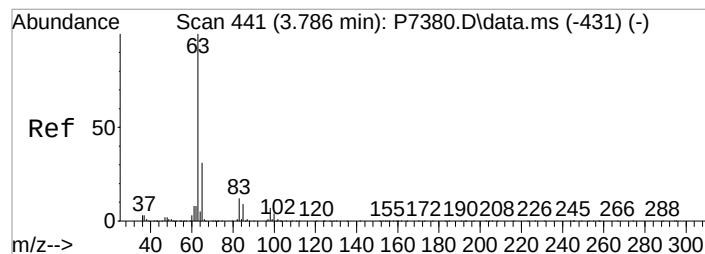
Tgt Ion: 43	Resp: 53805
Ion Ratio	Lower Upper
43 100	
58 25.3	6.2 46.2
42 7.2	0.0 26.9



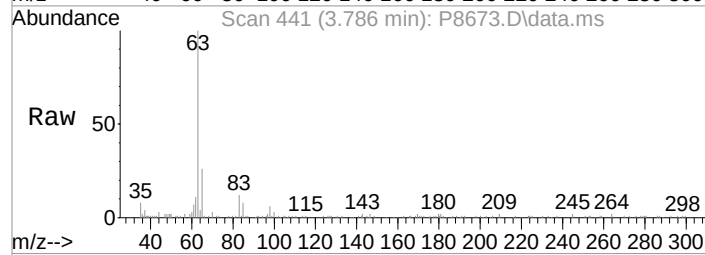
#18
 Carbon Disulfide
 Concen: 1.00 ppb
 RT: 2.627 min Scan# 251
 Delta R.T. -0.006 min
 Lab File: P8673.D
 Acq: 24 Mar 2017 7:12 pm

Tgt Ion: 76	Resp: 17093
Ion Ratio	Lower Upper
76 100	
78 16.3	0.0 29.5
77 2.5	0.0 22.7

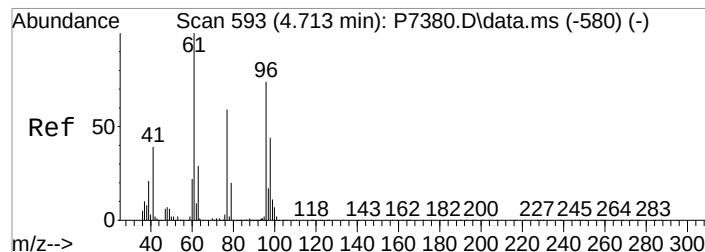
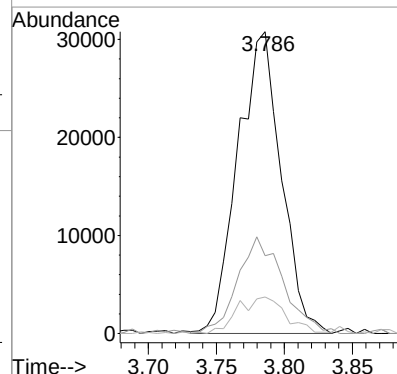
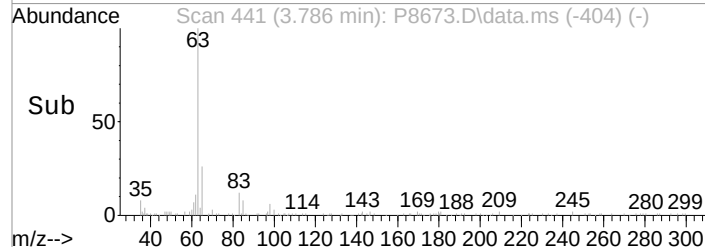




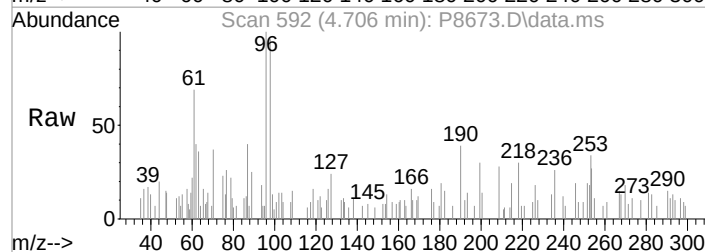
#28
1,1-Dicloroethane
Concen: 6.26 ppb
RT: 3.786 min Scan# 441
Delta R.T. 0.000 min
Lab File: P8673.D
Acq: 24 Mar 2017 7:12 pm



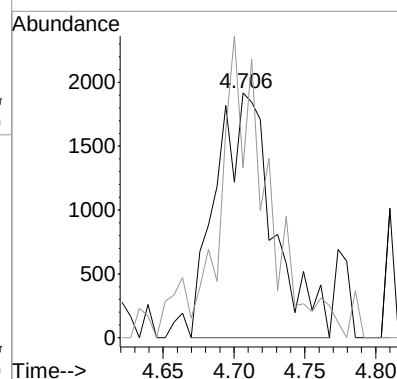
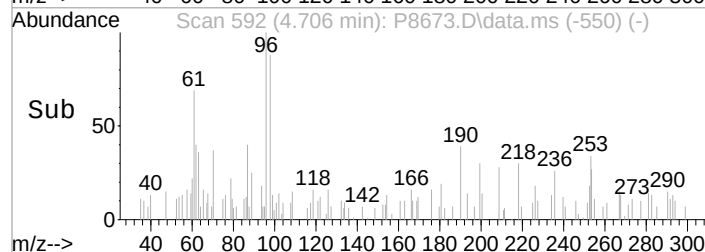
Tgt Ion: 63 Resp: 67928
Ion Ratio Lower Upper
63 100
65 25.8 10.8 50.8
83 12.1 0.0 32.1

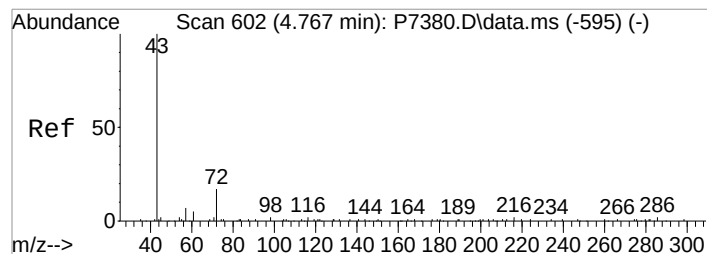


#34
cis-1,2-Dichloroethene
Concen: 0.78 ppb m
RT: 4.706 min Scan# 592
Delta R.T. 0.000 min
Lab File: P8673.D
Acq: 24 Mar 2017 7:12 pm



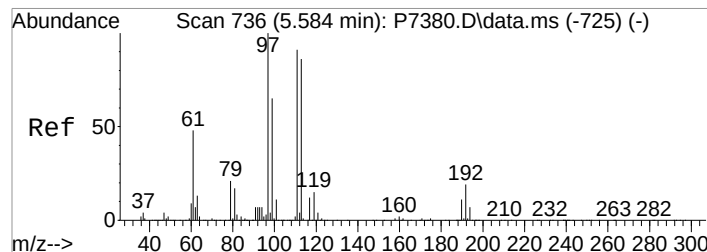
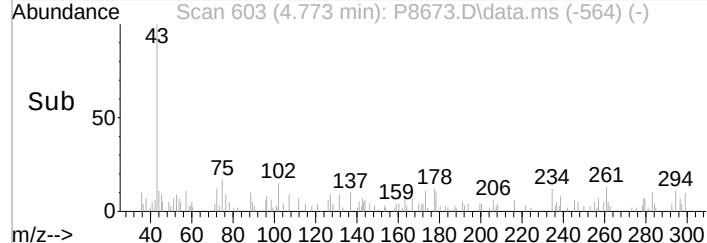
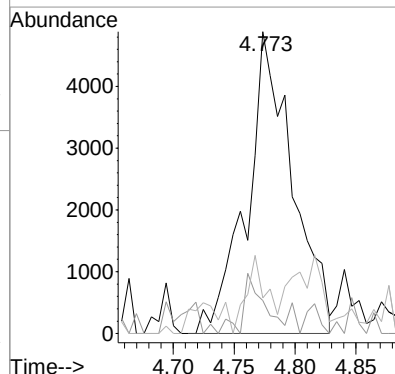
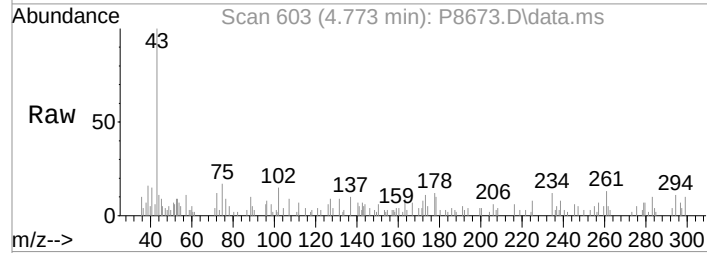
Tgt Ion: 96 Resp: 5398
Ion Ratio Lower Upper
96 100
61 69.4 114.8 154.8#





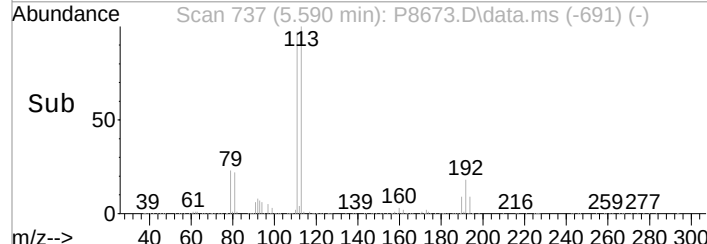
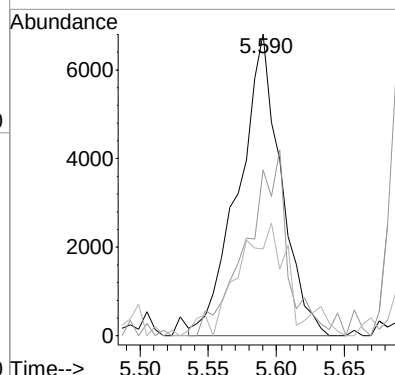
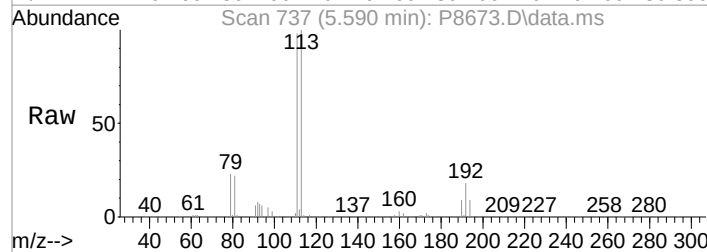
#35
 2-Butanone
 Concen: 7.49 ppb
 RT: 4.773 min Scan# 603
 Delta R.T. 0.012 min
 Lab File: P8673.D
 Acq: 24 Mar 2017 7:12 pm

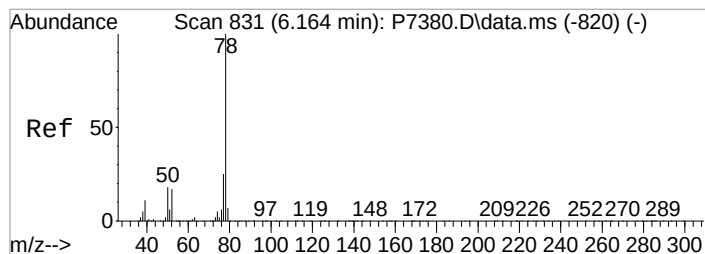
Tgt Ion:	43	Resp:	12766
Ion Ratio		Lower	Upper
43	100		
57	10.9	0.0	26.7
72	11.7	0.1	40.1



#41
 1,1,1-Trichloroethane
 Concen: 1.59 ppb
 RT: 5.590 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: P8673.D
 Acq: 24 Mar 2017 7:12 pm

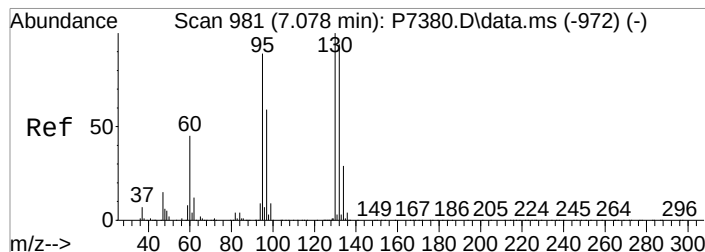
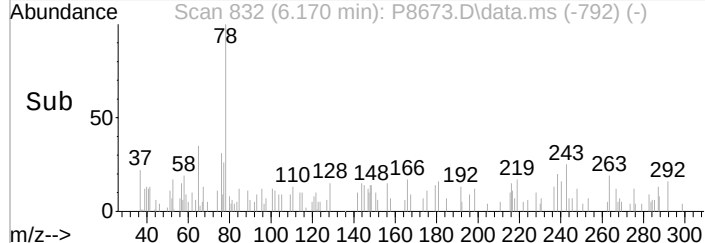
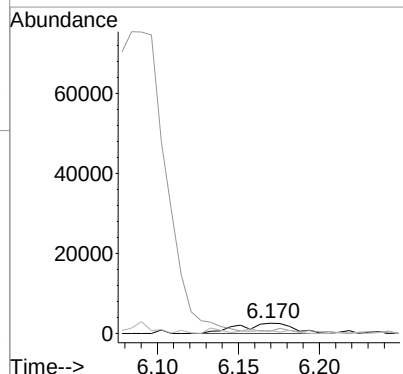
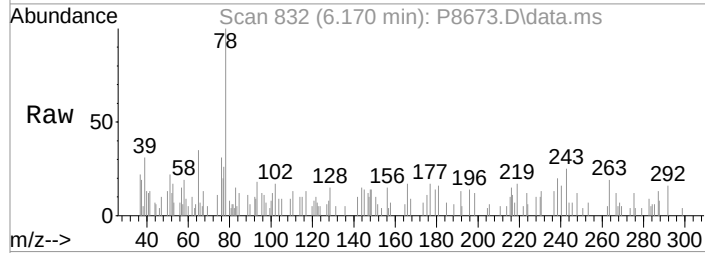
Tgt Ion:	97	Resp:	14678
Ion Ratio		Lower	Upper
97	100		
99	54.9	45.5	85.5
61	28.7	28.1	68.1





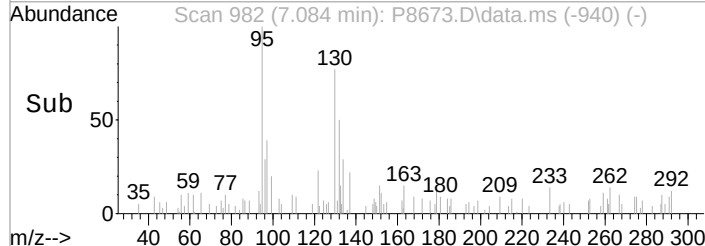
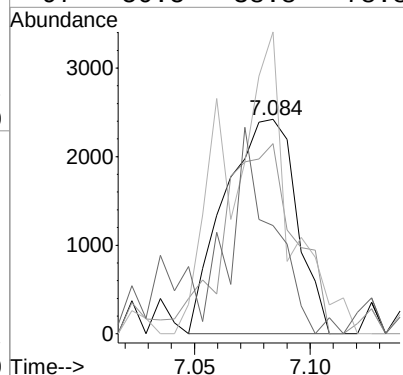
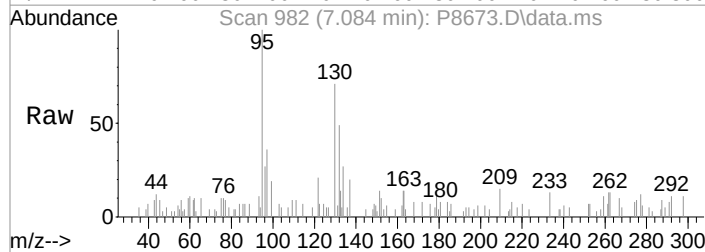
#49
 Benzene
 Concen: 0.27 ppb m
 RT: 6.170 min Scan# 832
 Delta R.T. 0.000 min
 Lab File: P8673.D
 Acq: 24 Mar 2017 7:12 pm

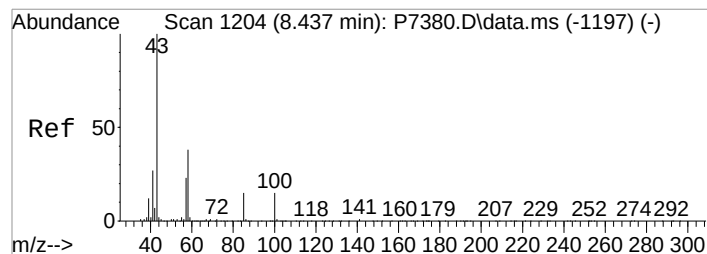
Tgt Ion: 78 Resp: 6165
 Ion Ratio Lower Upper
 78 100
 51 22.0 0.0 38.8
 52 17.2 0.0 36.9



#54
 Trichloroethene
 Concen: 0.78 ppb
 RT: 7.084 min Scan# 982
 Delta R.T. 0.006 min
 Lab File: P8673.D
 Acq: 24 Mar 2017 7:12 pm

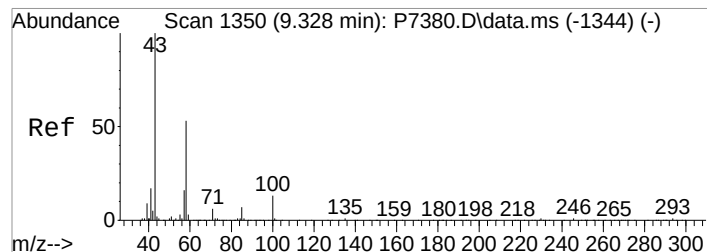
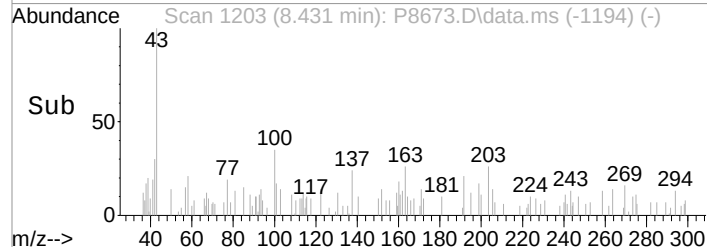
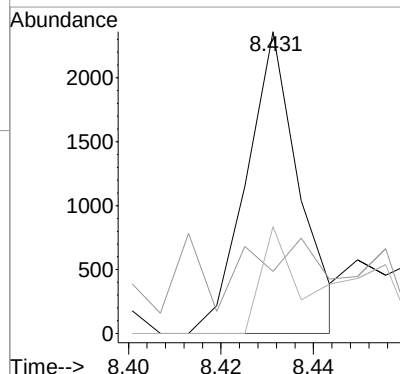
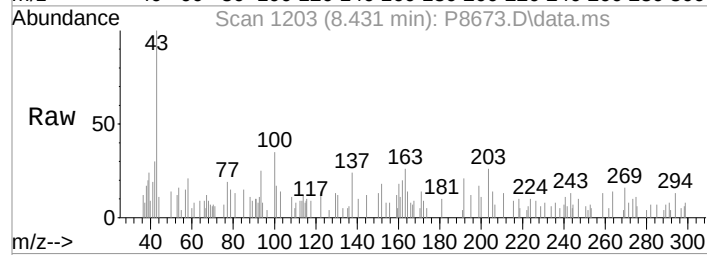
Tgt Ion: 130 Resp: 5247
 Ion Ratio Lower Upper
 130 100
 132 88.7 74.2 114.2
 95 140.8 69.4 109.4#
 97 50.5 38.8 78.8





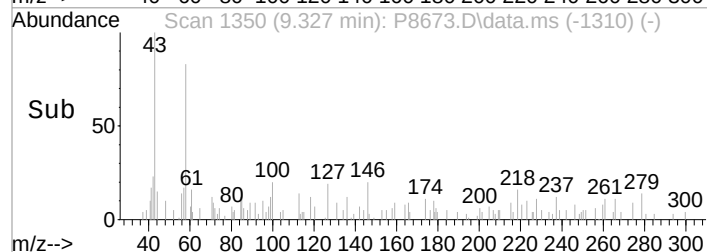
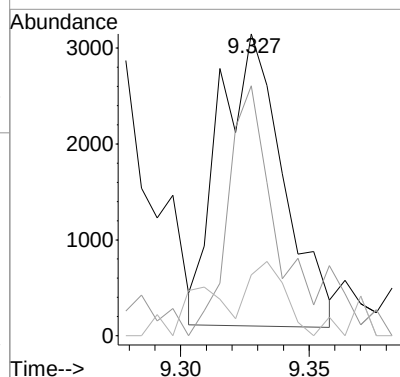
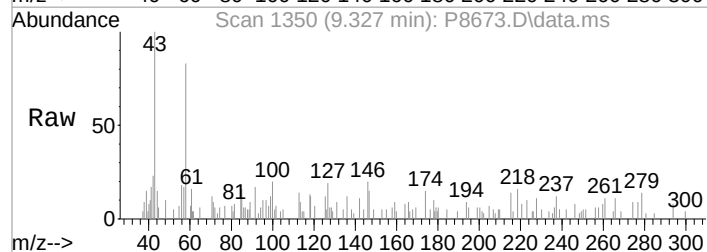
#64
4-Methyl-2-pentanone
Concen: 0.46 ppb
RT: 8.431 min Scan# 1203
Delta R.T. -0.006 min
Lab File: P8673.D
Acq: 24 Mar 2017 7:12 pm

Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
58 20.5 18.3 58.3
100 35.4 0.0 34.7#



#73
2-Hexanone
Concen: 1.98 ppb
RT: 9.327 min Scan# 1350
Delta R.T. 0.000 min
Lab File: P8673.D
Acq: 24 Mar 2017 7:12 pm

Tgt Ion: 43 Resp: 5300
Ion Ratio Lower Upper
43 100
58 82.8 33.3 73.3#
100 20.2 0.0 33.0



Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8674.D
 Acq On : 24 Mar 2017 7:42 pm
 Operator : K.Ruest
 Sample : R1702494-002|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:25:43 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

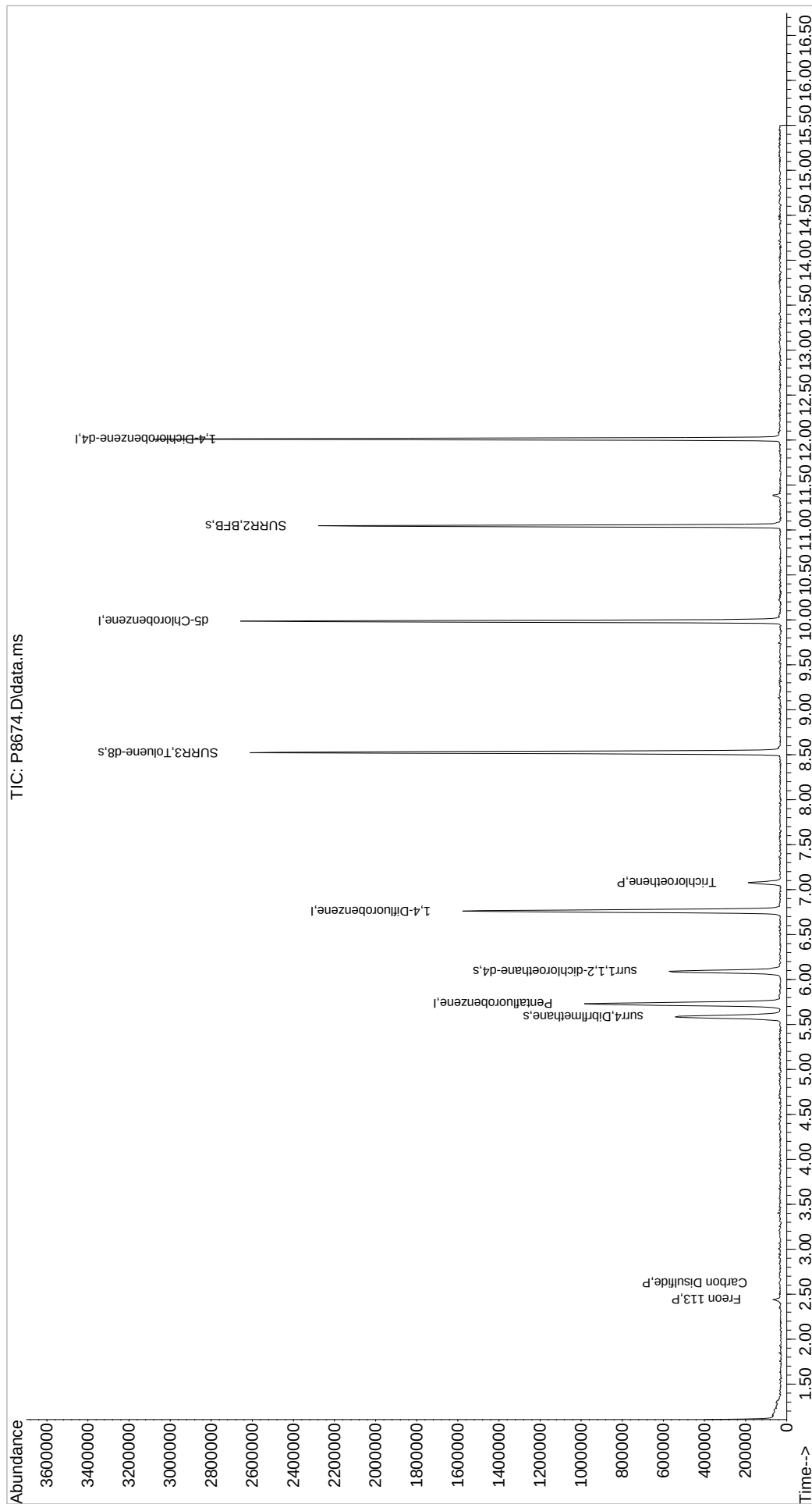
Internal Standards						
1) Pentafluorobenzene	5.731	168	753381	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1287303	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1171462	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	577777	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	374045	53.85	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	107.70%	
48) surr1,1,2-dichloroetha...	6.090	65	433986	56.27	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	112.54%	
65) SURR3,Toluene-d8	8.523	98	1527962	53.20	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	106.40%	
70) SURR2,BFB	11.047	95	564697	50.74	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	101.48%	
Target Compounds						
14) Freon 113	2.439	101	8749	1.52	ppb	Qvalue 90
18) Carbon Disulfide	2.628	76	3878	0.24	ppb	77
54) Trichloroethene	7.078	130	46986	7.07	ppb	85

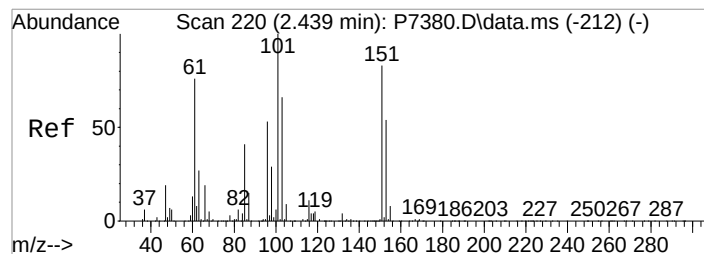
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8674.D
 Acq On : 24 Mar 2017 7:42 pm
 Operator : K.Ruest
 Sample : R1702494-002|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 19 Sample Multiplier: 1

Inst : MSV0A-12

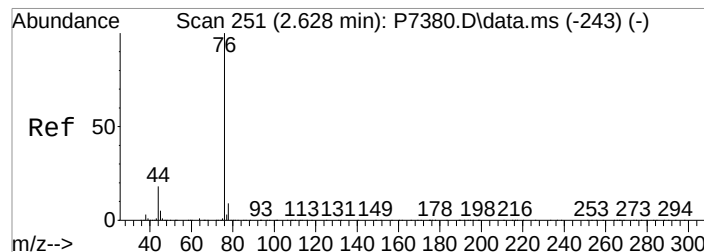
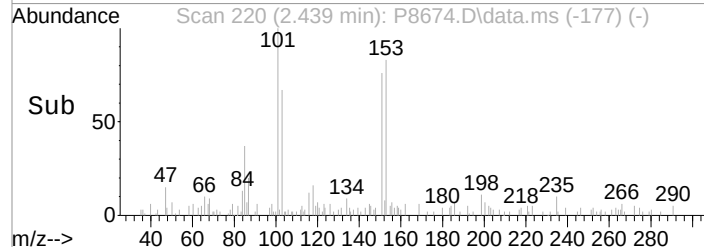
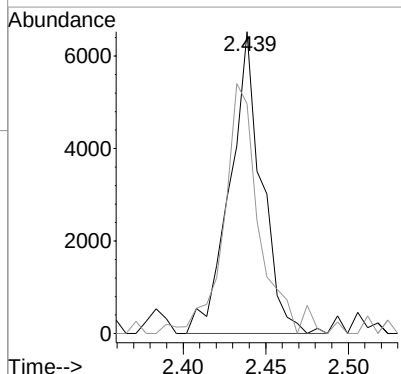
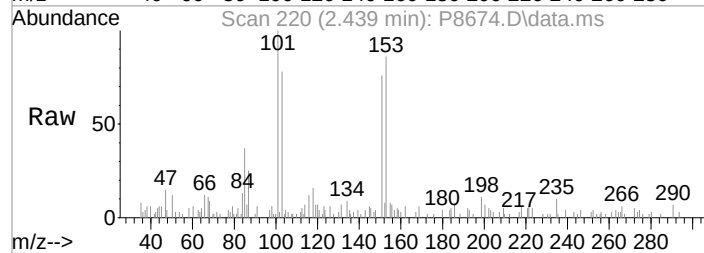
Quant Time: Mar 27 11:25:43 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration





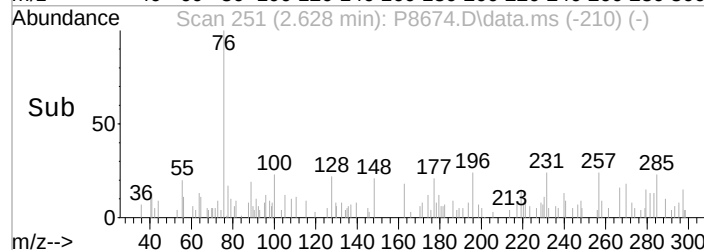
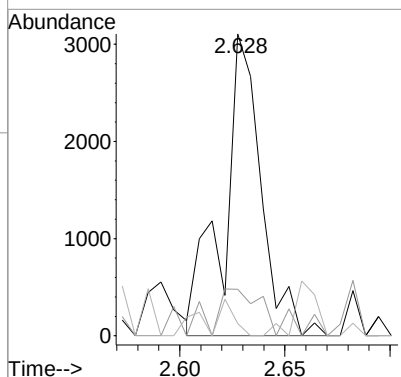
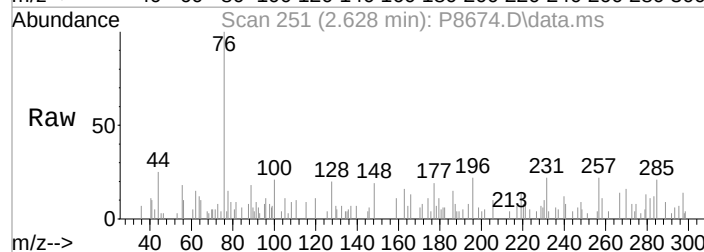
#14
 Freon 113
 Concen: 1.52 ppb
 RT: 2.439 min Scan# 220
 Delta R.T. 0.006 min
 Lab File: P8674.D
 Acq: 24 Mar 2017 7:42 pm

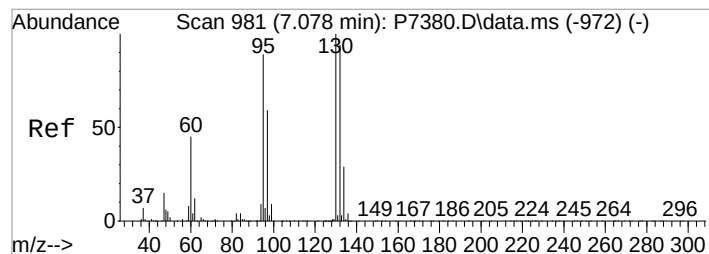
Tgt Ion: 101 Resp: 8749
 Ion Ratio Lower Upper
 101 100
 151 74.2 63.3 103.3



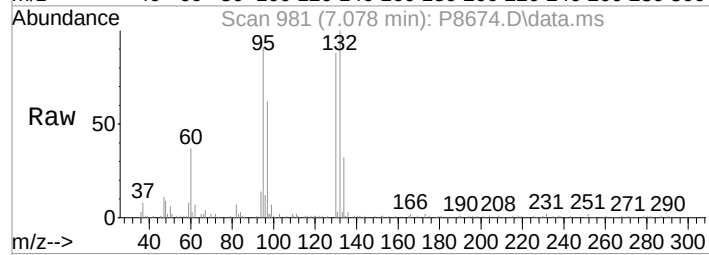
#18
 Carbon Disulfide
 Concen: 0.24 ppb
 RT: 2.628 min Scan# 251
 Delta R.T. -0.006 min
 Lab File: P8674.D
 Acq: 24 Mar 2017 7:42 pm

Tgt Ion: 76 Resp: 3878
 Ion Ratio Lower Upper
 76 100
 78 15.3 0.0 29.5
 77 19.4 0.0 22.7

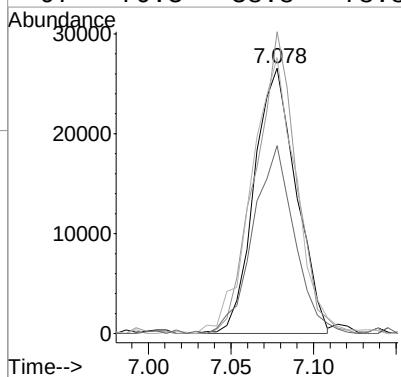
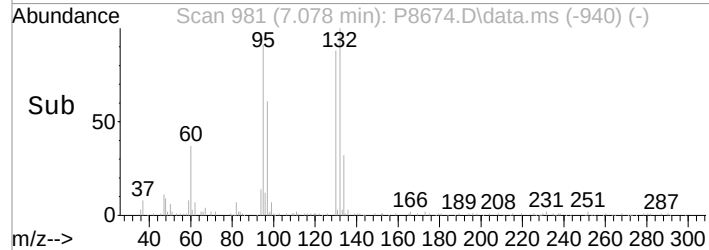




#54
 Trichloroethene
 Concen: 7.07 ppb
 RT: 7.078 min Scan# 981
 Delta R.T. 0.000 min
 Lab File: P8674.D
 Acq: 24 Mar 2017 7:42 pm



Tgt Ion:	130	Resp:	46986
Ion Ratio		Lower	Upper
130	100		
132	110.1	74.2	114.2
95	100.6	69.4	109.4
97	70.3	38.8	78.8



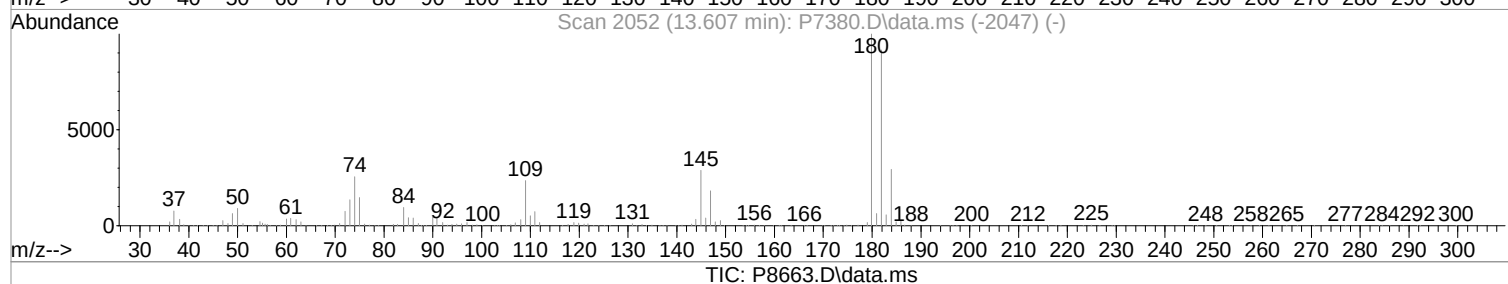
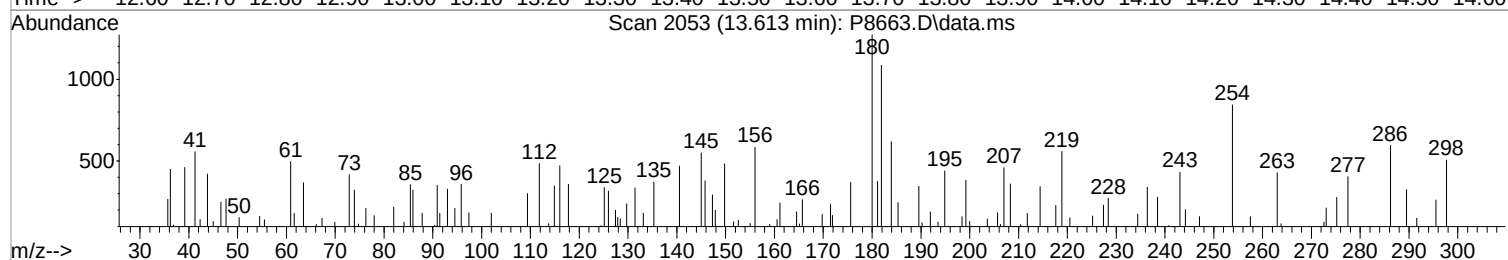
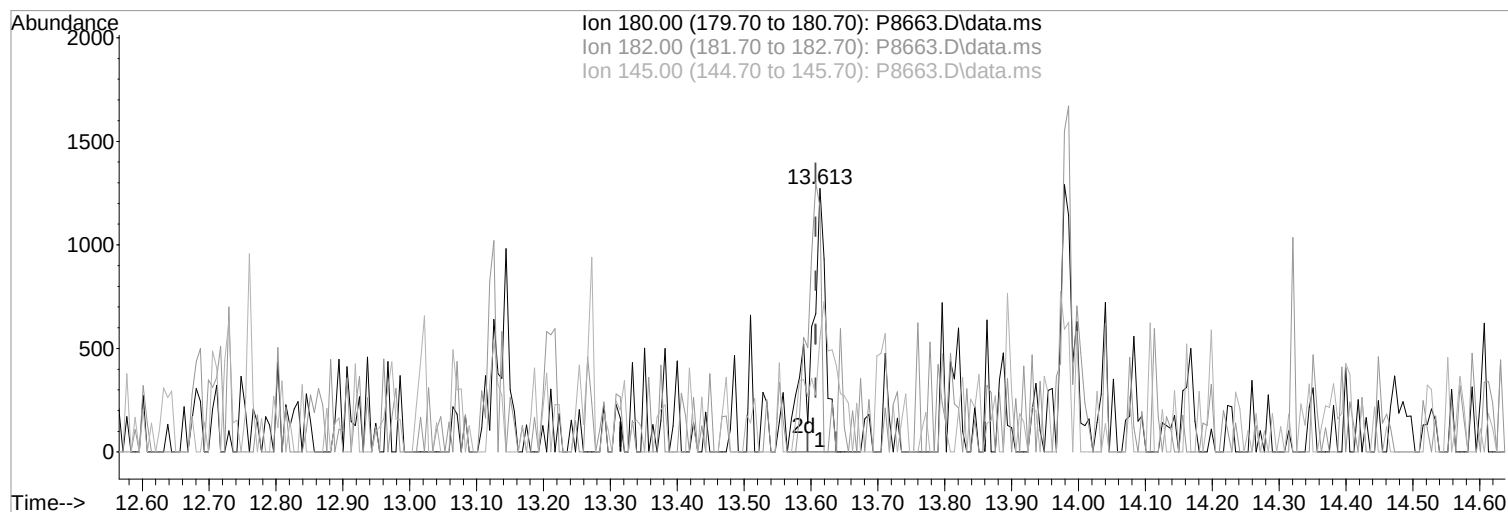
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8663.D
Acq On : 24 Mar 2017 2:11 pm
Operator : K.Ruest
Sample : R1702494-004|1.0
Misc : VERINA 8260 T4
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:43 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(115) 1,2,4-Tcbenzene (P)

Manual Integration:

13.613min (+0.006) 0.25 ppb m

After

response 1991

Split Peak

Ion	Exp%	Act%
180.00	100	100
182.00	91.40	85.38
145.00	28.80	43.24
0.00	0.00	0.00

03/24/17

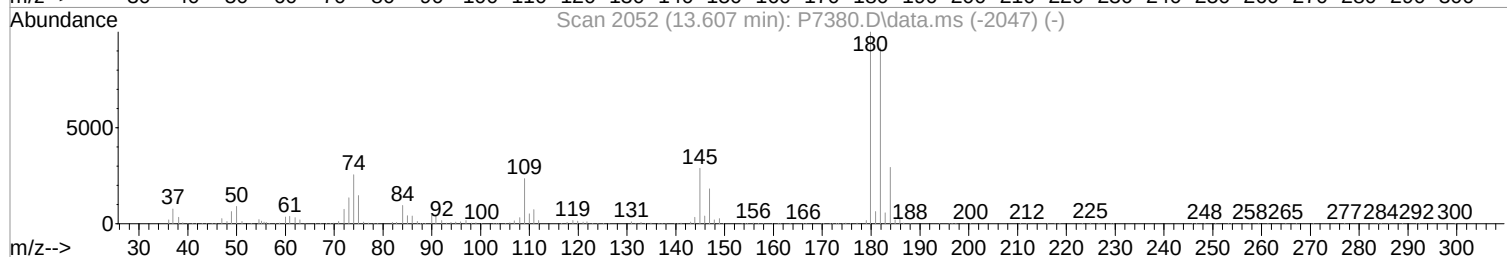
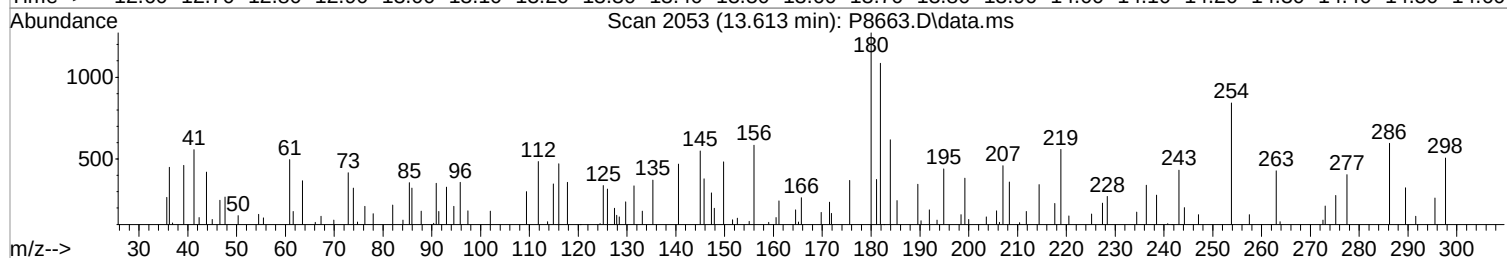
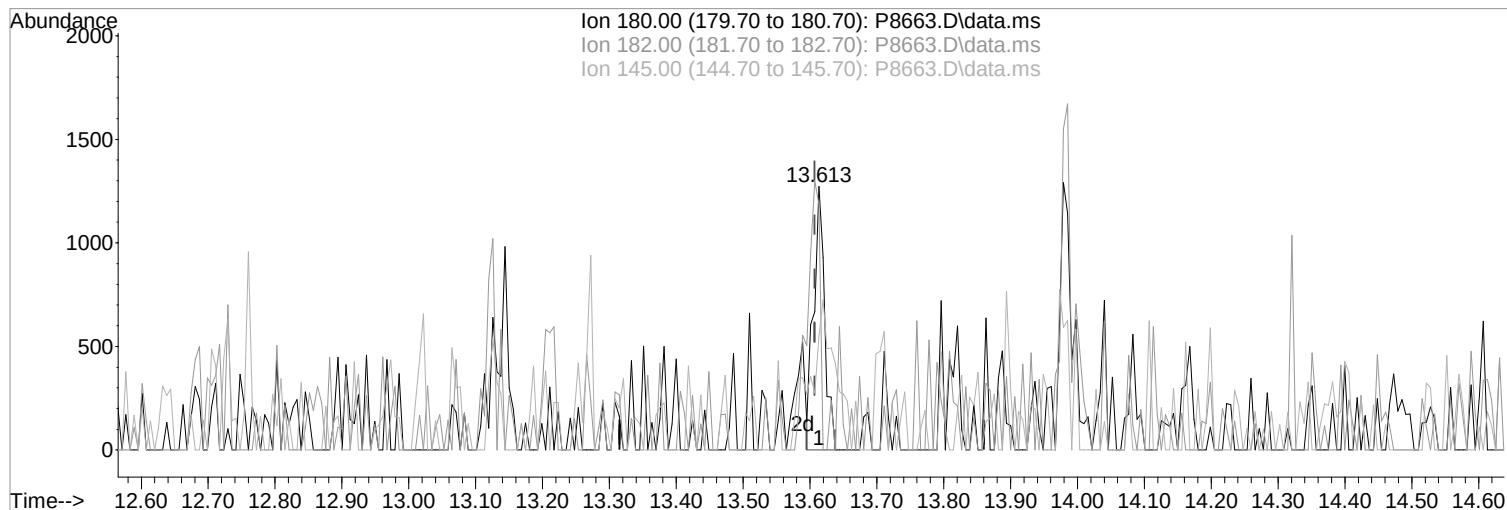
Quantitation Report (Qedit)

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8663.D
Acq On : 24 Mar 2017 2:11 pm
Operator : K.Ruest
Sample : R1702494-004|1.0
Misc : VERINA 8260 T4
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:43 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8663.D\data.ms

(115) 1,2,4-Tcbenzene (P)

Manual Integration:

13.613min (+0.006) 0.18 ppb

Before

response 1460

Ion	Exp%	Act%
180.00	100	100
182.00	91.40	93.24
145.00	28.80	43.24
0.00	0.00	0.00

03/24/17

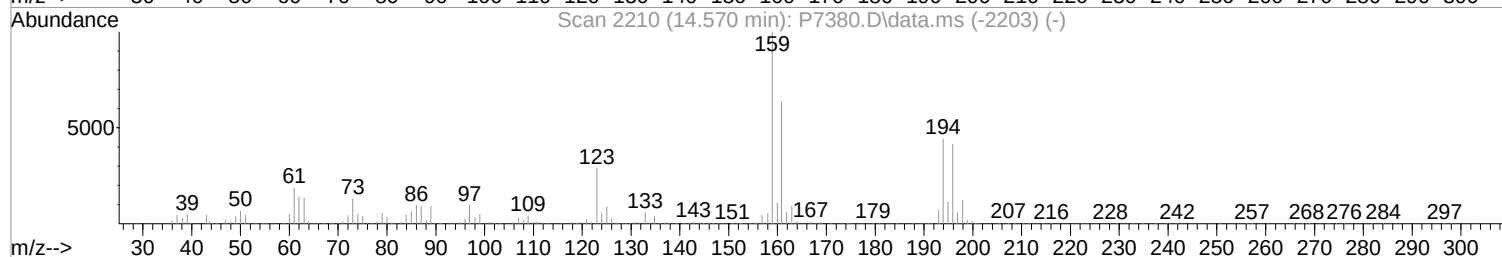
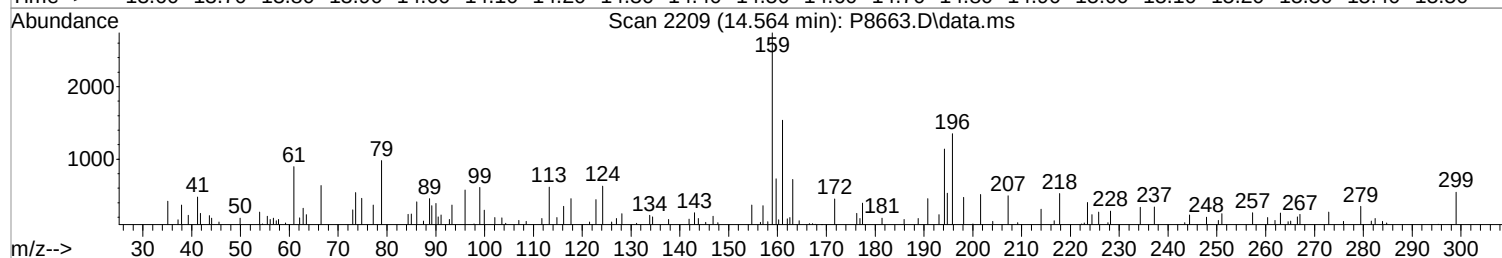
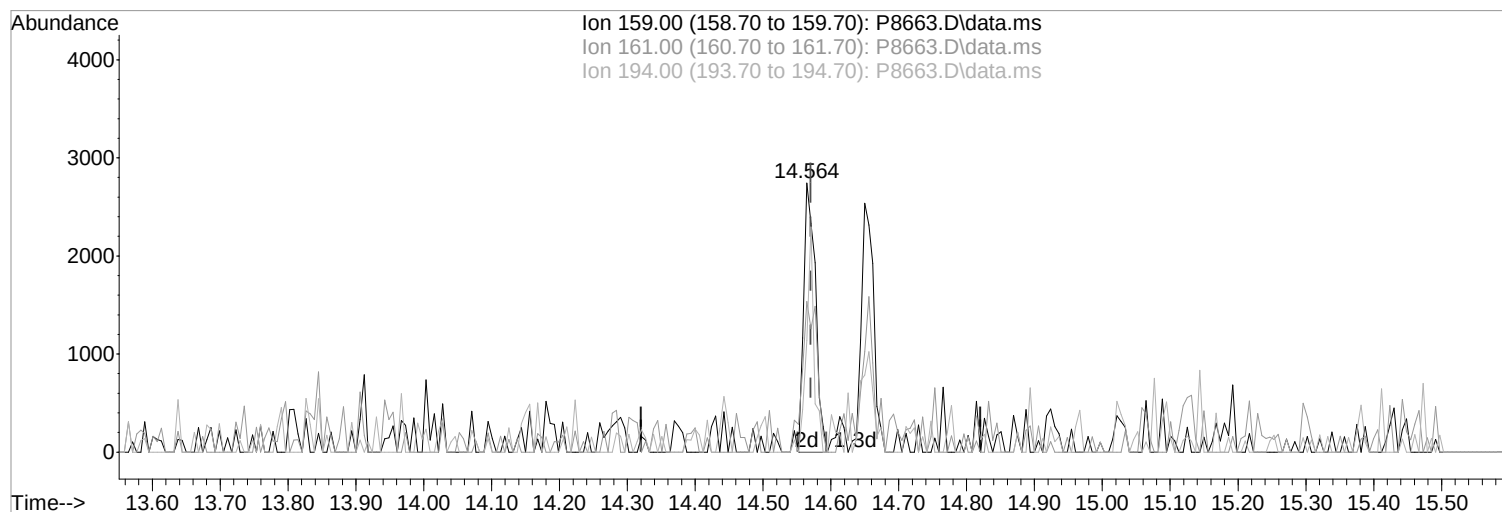
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8663.D
Acq On : 24 Mar 2017 2:11 pm
Operator : K.Ruest
Sample : R1702494-004|1.0
Misc : VERINA 8260 T4
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:43 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8663.D\data.ms

(119) 2,4,5-Trichlorotolene

14.564min (-0.006) 0.64 ppb m

response 3285

Ion	Exp%	Act%
159.00	100	100
161.00	63.70	56.00
194.00	44.30	41.49
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

03/24/17

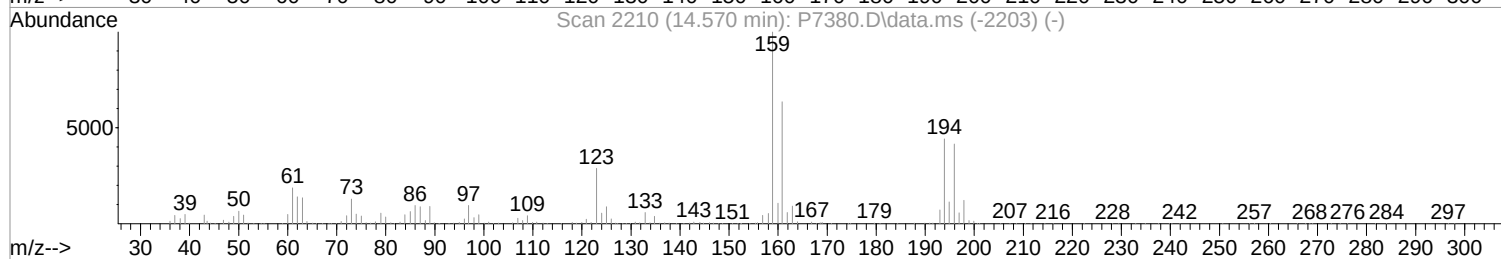
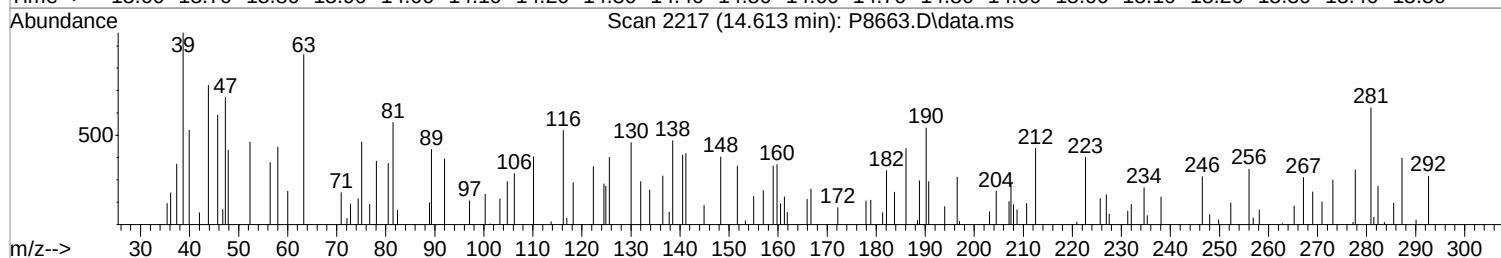
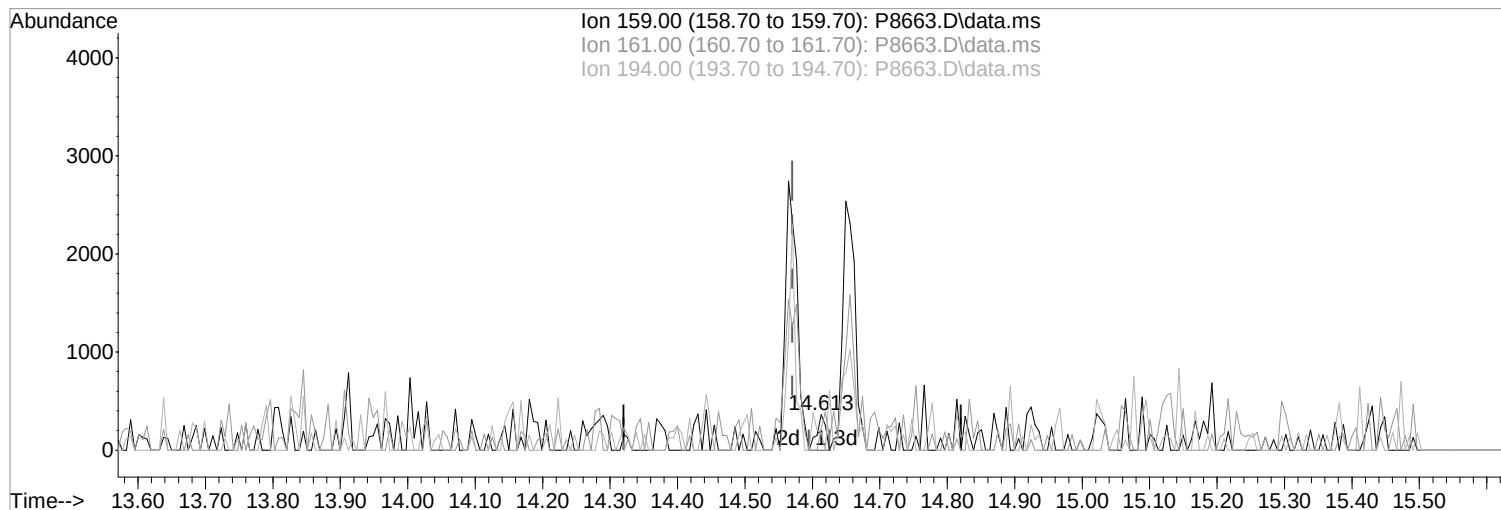
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8663.D
Acq On : 24 Mar 2017 2:11 pm
Operator : K.Ruest
Sample : R1702494-004|1.0
Misc : VERINA 8260 T4
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:43 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8663.D\data.ms

(119) 2,4,5-Trichlorotolene

Manual Integration:

14.613min (+0.043) 0.06 ppb

Before

response 326

Ion	Exp%	Act%

03/24/17

159.00	100	100
161.00	63.70	61.88
194.00	44.30	49.45
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8663.D
 Acq On : 24 Mar 2017 2:11 pm
 Operator : K.Ruest
 Sample : R1702494-004|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 15:58:42 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

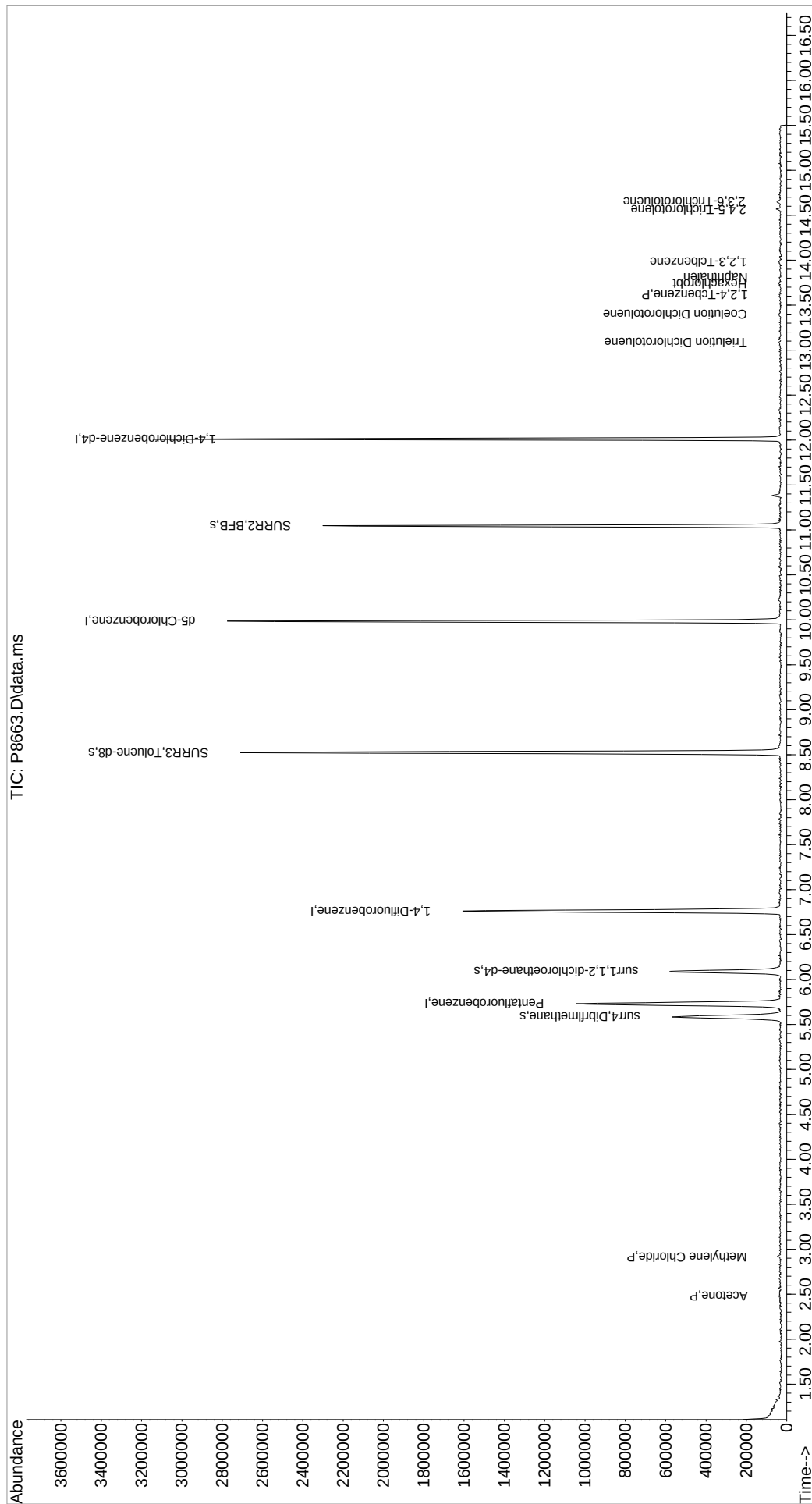
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	826357	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1337125	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1200065	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	607112	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	382834	53.06	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	106.12%	
48) surr1,1,2-dichloroetha...	6.090	65	434192	54.20	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	108.40%	
65) SURR3,Toluene-d8	8.523	98	1622795	54.40	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	108.80%	
70) SURR2,BFB	11.047	95	575327	49.77	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	99.54%	
Target Compounds						
15) Acetone	2.475	43	1437	1.18	ppb	Qvalue 84
22) Methylene Chloride	2.914	84	2806	0.44	ppb	# 48
112) Trielution Dichlorotol...	13.083	125	3205	0.31	ppb	# 80
114) Coelution Dichlorotoluene	13.394	125	3369	0.30	ppb	# 34
115) 1,2,4-Tcbenzene	13.613	180	1991m	0.25	ppb	
116) Hexachlorobt	13.741	225	1105	0.30	ppb	# 50
117) Naphthalen	13.802	128	3186	0.22	ppb	90
118) 1,2,3-Tclbenzene	13.979	180	1606	0.24	ppb	# 75
119) 2,4,5-Trichlorotoluene	14.564	159	3285m	0.64	ppb	
120) 2,3,6-Trichlorotoluene	14.650	159	3247	0.76	ppb	89

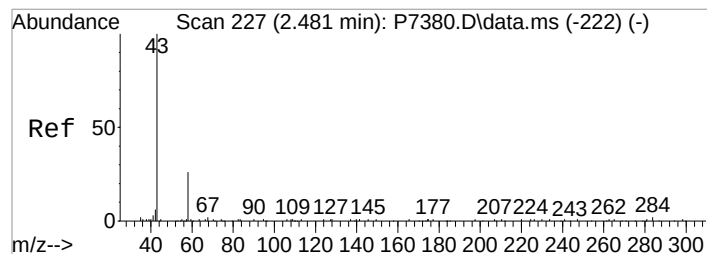
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8663.D
 Acq On : 24 Mar 2017 2:11 pm
 Operator : K.Ruest
 Sample : R1702494-004|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSV0A-12

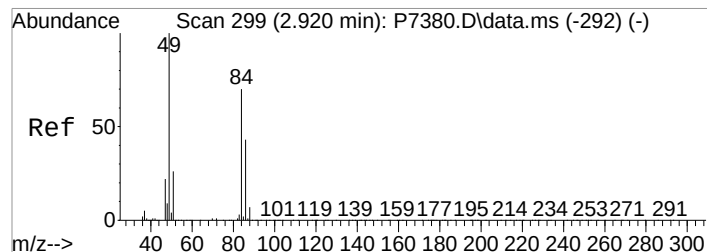
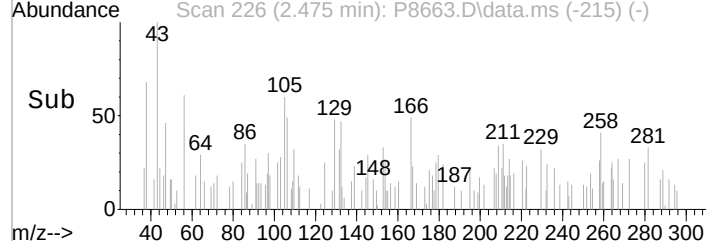
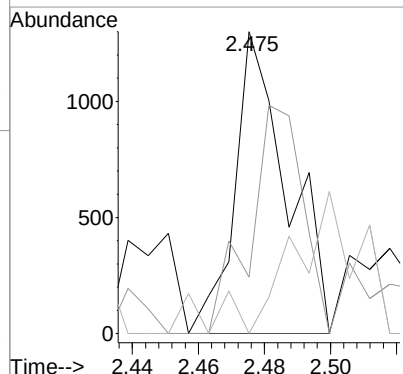
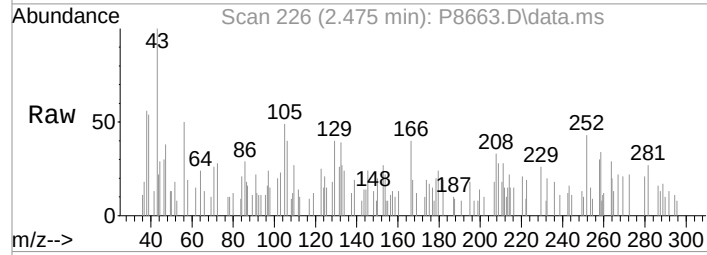
Quant Time: Mar 24 15:58:42 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration





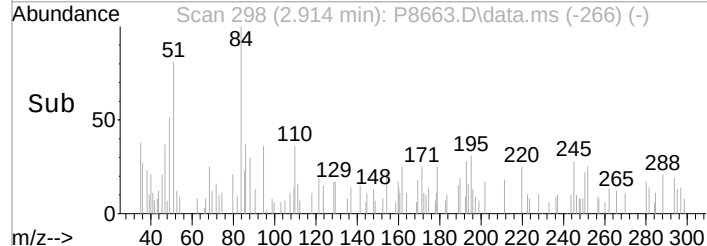
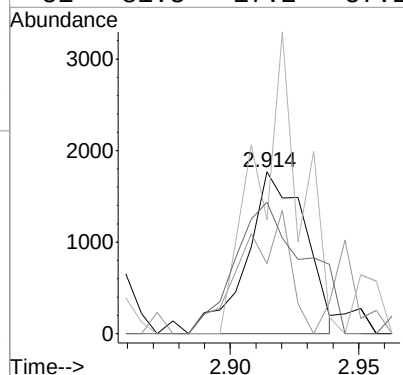
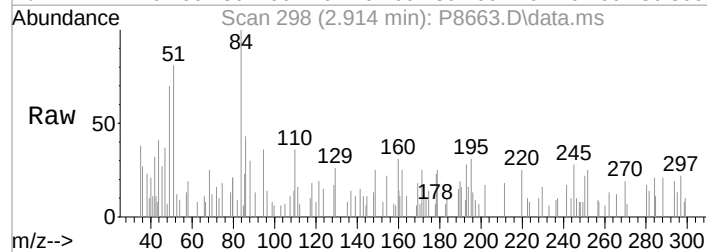
#15
Acetone
Concen: 1.18 ppb
RT: 2.475 min Scan# 226
Delta R.T. -0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm

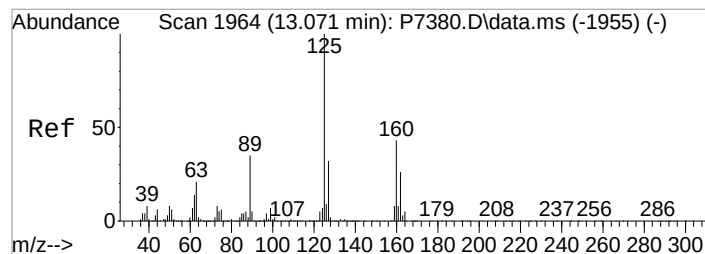
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 18.7 6.2 46.2
42 0.0 0.0 26.9



#22
Methylene Chloride
Concen: 0.44 ppb
RT: 2.914 min Scan# 298
Delta R.T. -0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm

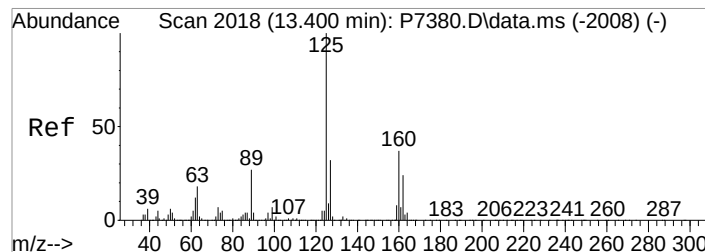
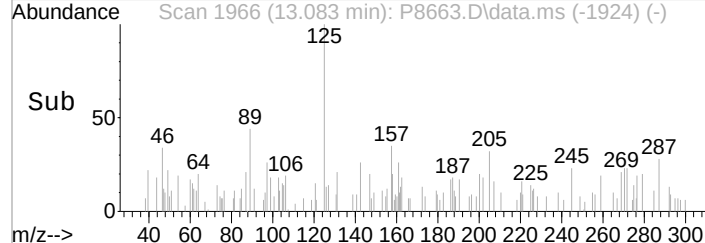
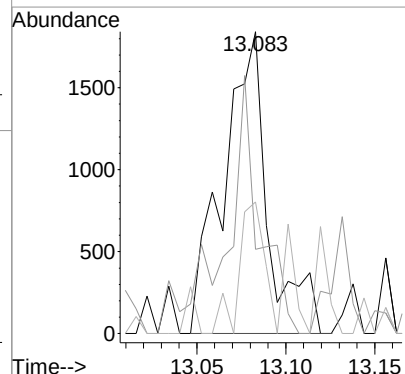
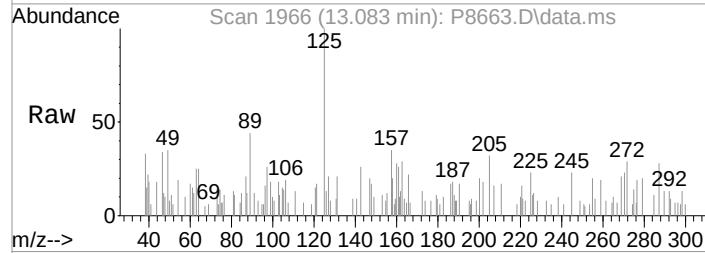
Tgt Ion: 84 Resp: 2806
Ion Ratio Lower Upper
84 100
86 43.4 41.5 81.5
49 70.4 122.0 162.0#
51 81.3 17.2 57.2#





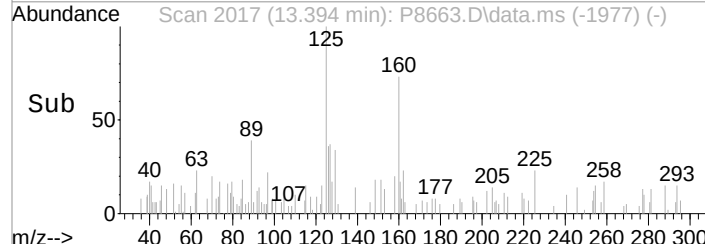
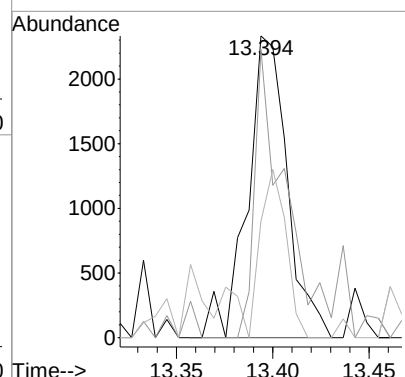
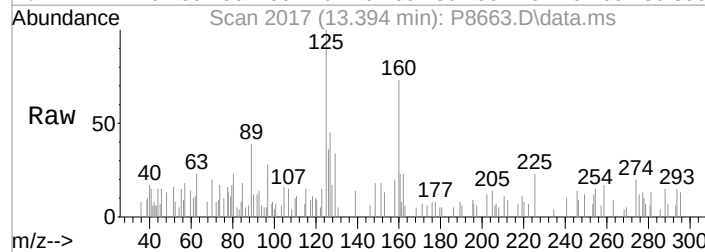
#112
 Trielution Dichlorotoluene
 Concen: 0.31 ppb
 RT: 13.083 min Scan# 1966
 Delta R.T. 0.006 min
 Lab File: P8663.D
 Acq: 24 Mar 2017 2:11 pm

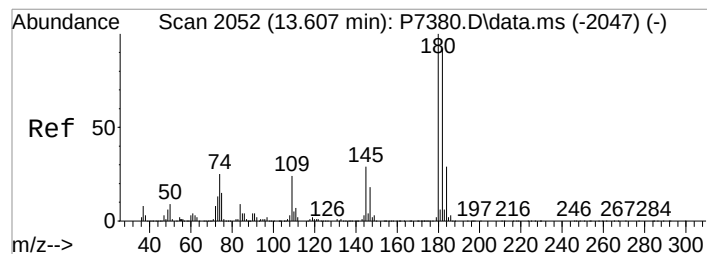
Tgt Ion:	125	Resp:	3205
Ion Ratio		Lower	Upper
125	100		
160	27.9	34.6	51.8#
89	43.6	28.0	42.0#



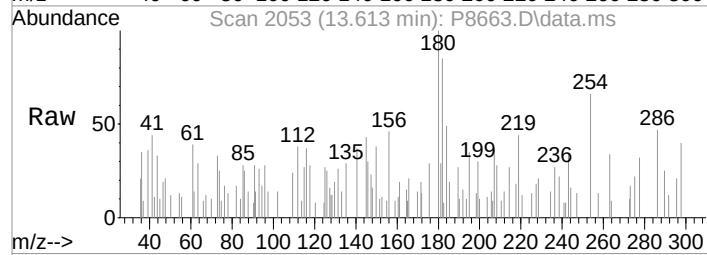
#114
 Coelution Dichlorotoluene
 Concen: 0.30 ppb
 RT: 13.394 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: P8663.D
 Acq: 24 Mar 2017 2:11 pm

Tgt Ion:	125	Resp:	3369
Ion Ratio		Lower	Upper
125	100		
160	95.5	29.8	44.6#
89	38.6	21.7	32.5#

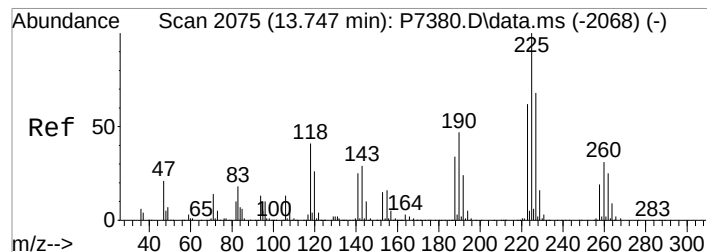
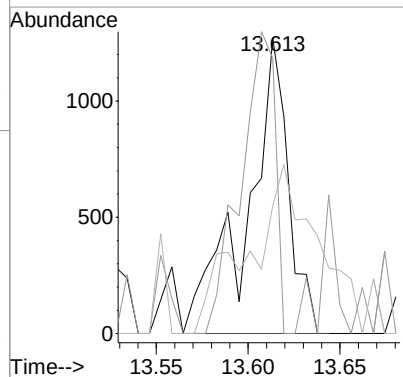
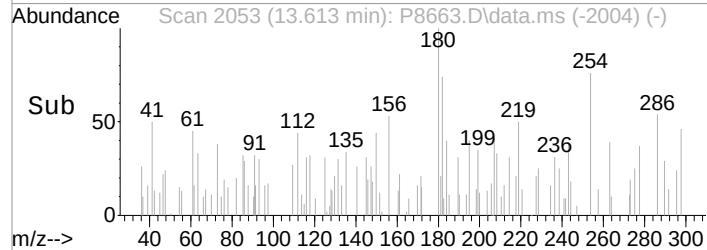




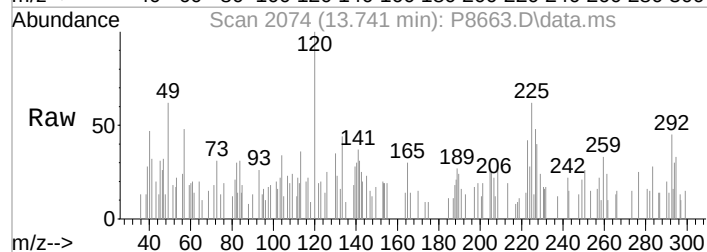
#115
1,2,4-Tcbenzene
Concen: 0.25 ppb m
RT: 13.613 min Scan# 2053
Delta R.T. 0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm



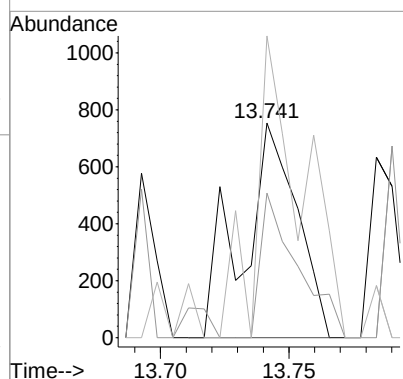
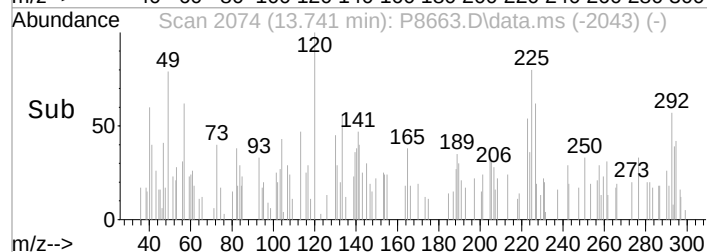
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1991		
182	85.4	71.4	111.4	
145	43.2	8.8	48.8	

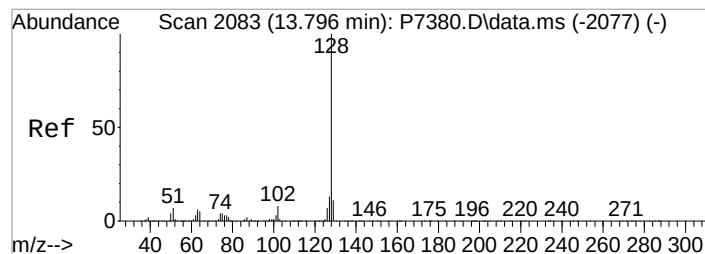


#116
Hexachlorobt
Concen: 0.30 ppb
RT: 13.741 min Scan# 2074
Delta R.T. -0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm



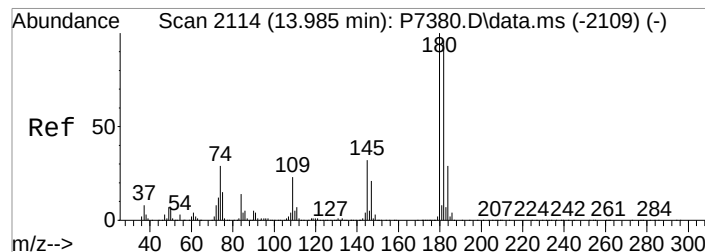
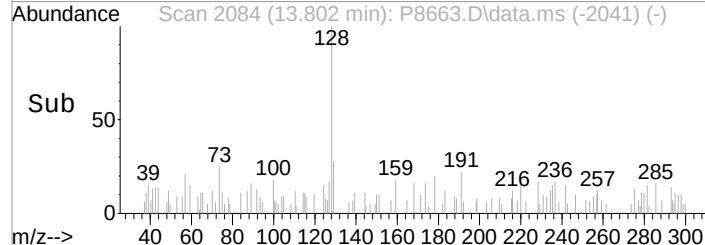
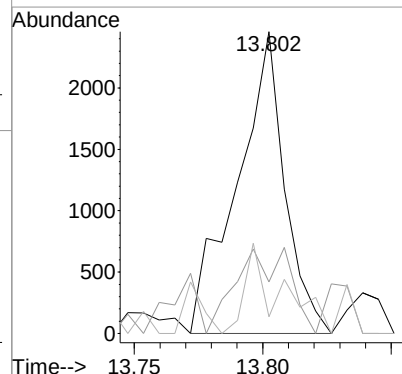
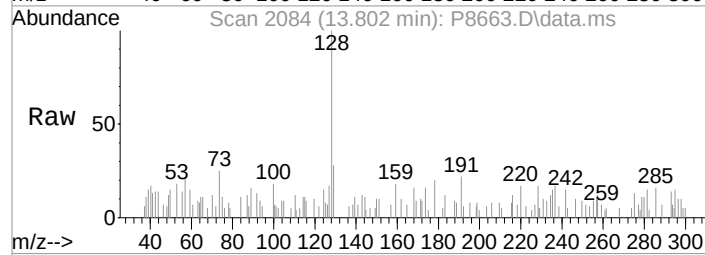
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1105		
223	67.4	42.2	82.2	
227	140.6	47.7	87.7#	





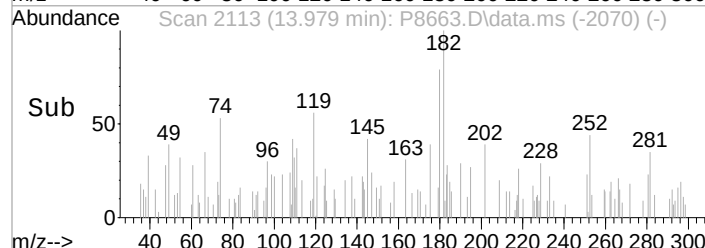
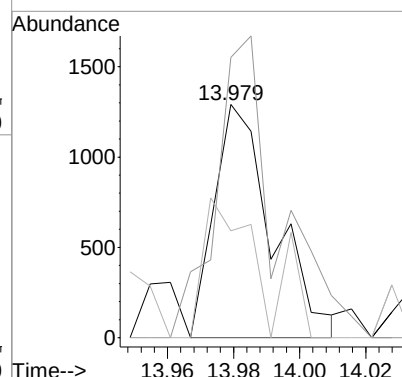
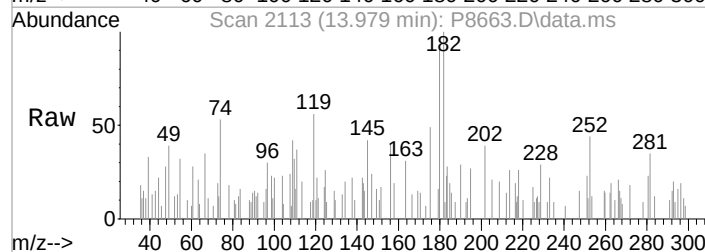
#117
Naphthalen
Concen: 0.22 ppb
RT: 13.802 min Scan# 2084
Delta R.T. 0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm

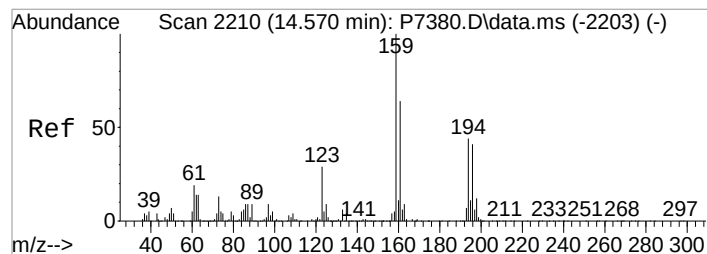
Tgt Ion:	128	Resp:	3186
Ion Ratio		Lower	Upper
128	100		
127	17.1	0.0	32.8
102	5.5	0.0	28.5



#118
1,2,3-Tclbenzene
Concen: 0.24 ppb
RT: 13.979 min Scan# 2113
Delta R.T. -0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm

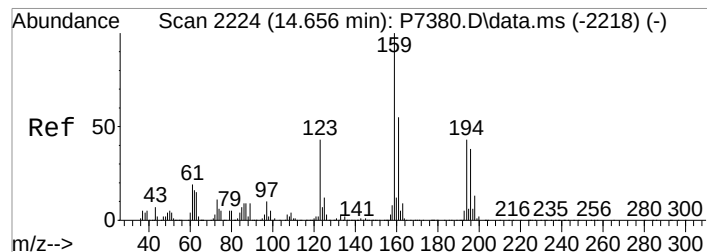
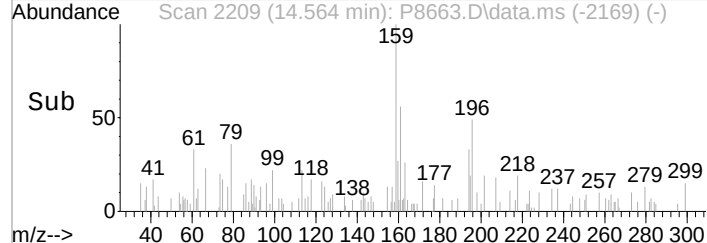
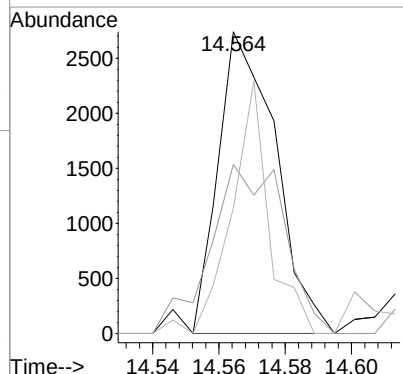
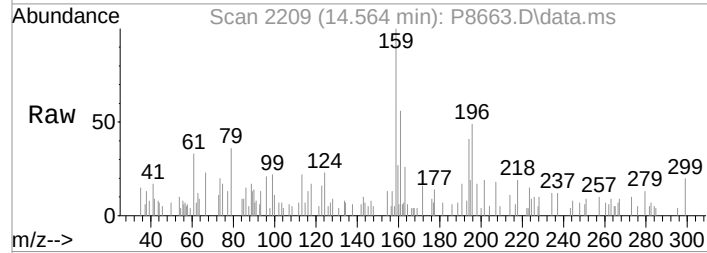
Tgt Ion:	180	Resp:	1606
Ion Ratio		Lower	Upper
180	100		
182	120.1	75.9	115.9#
145	45.9	11.8	51.8





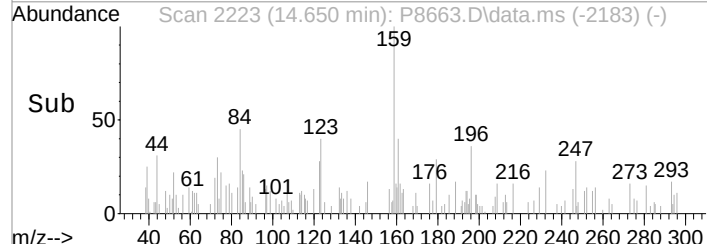
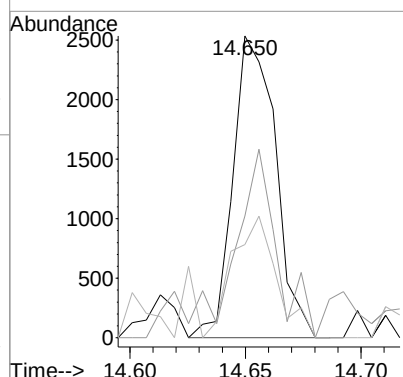
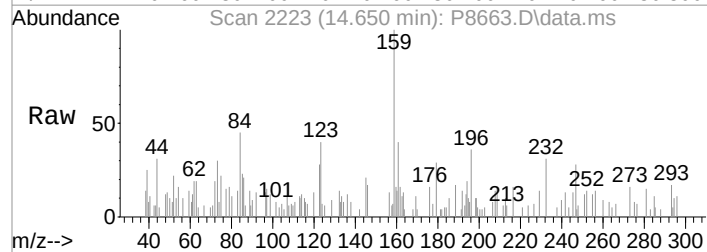
#119
2,4,5-Trichlorotoluene
Concen: 0.64 ppb m
RT: 14.564 min Scan# 2209
Delta R.T. -0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	3285		
161	56.0		51.0	76.4
194	41.5		35.4	53.2



#120
2,3,6-Trichlorotoluene
Concen: 0.76 ppb
RT: 14.650 min Scan# 2223
Delta R.T. -0.006 min
Lab File: P8663.D
Acq: 24 Mar 2017 2:11 pm

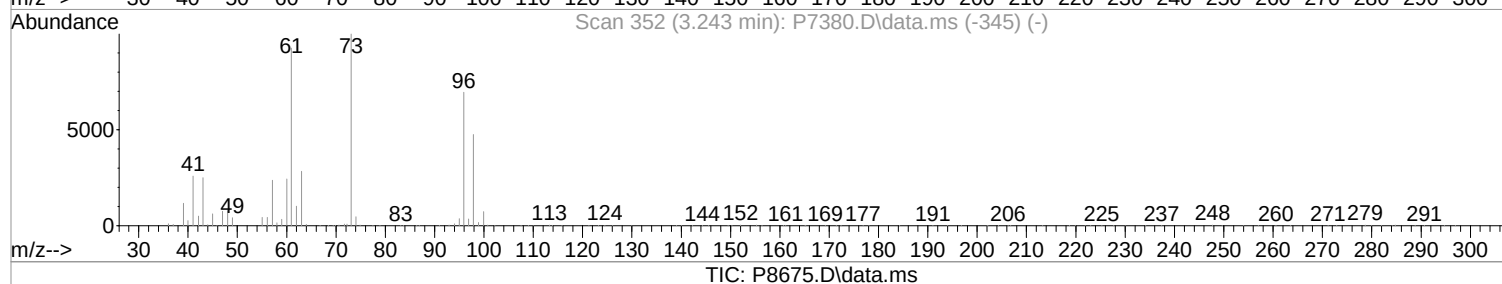
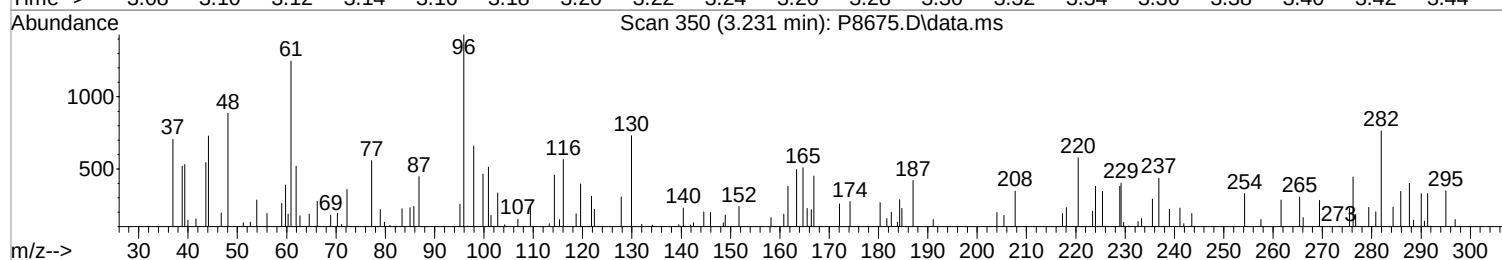
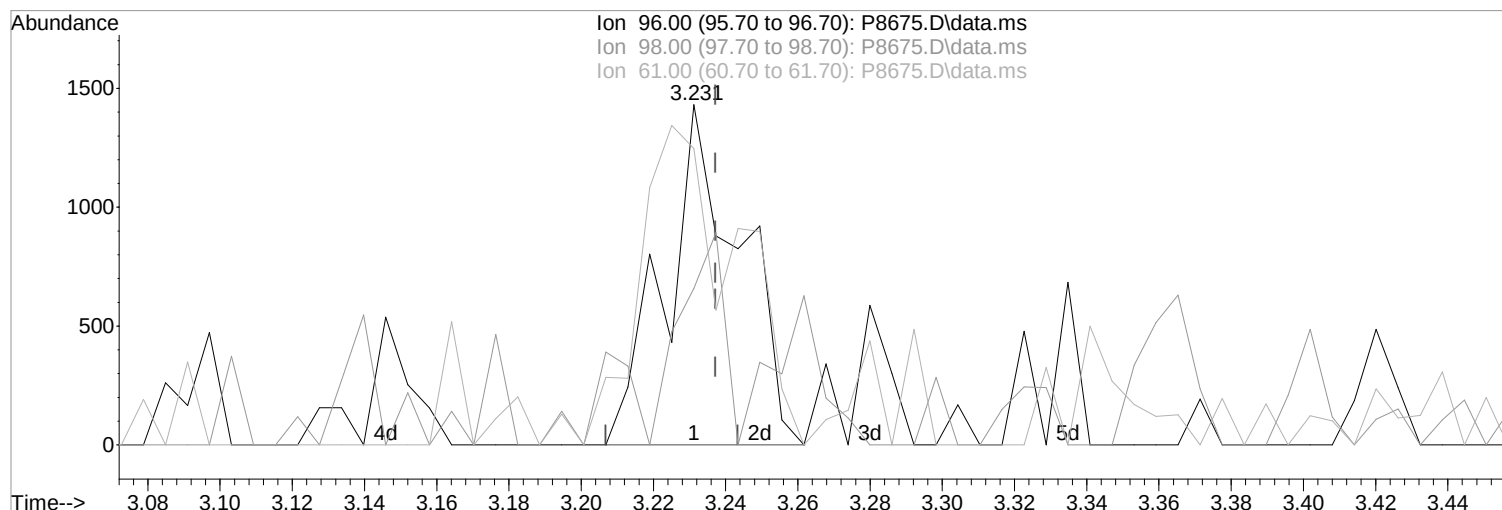
Tgt Ion	Ratio	Resp	Lower	Upper
159	100	3247		
161	48.2		44.3	66.5
194	35.3		34.8	52.2



Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8675.D
Acq On : 24 Mar 2017 8:12 pm
Operator : K.Ruest
Sample : R1702494-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:09:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(26) trans-1,2-Dichloroethene (P)

Manual Integration:

3.231min (-0.006) 0.32 ppb m

After

response 2064

Split Peak

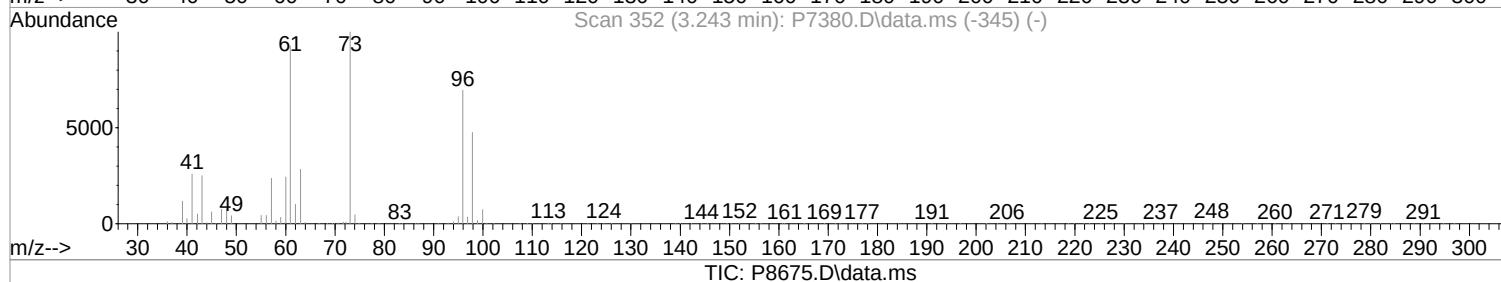
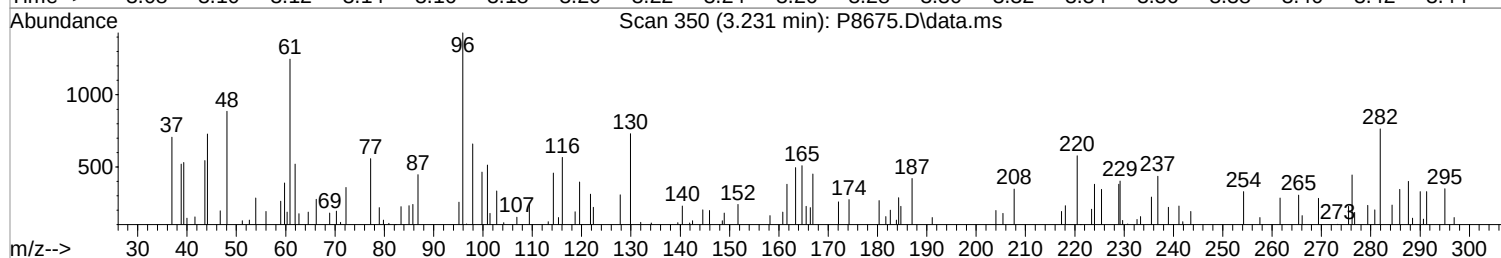
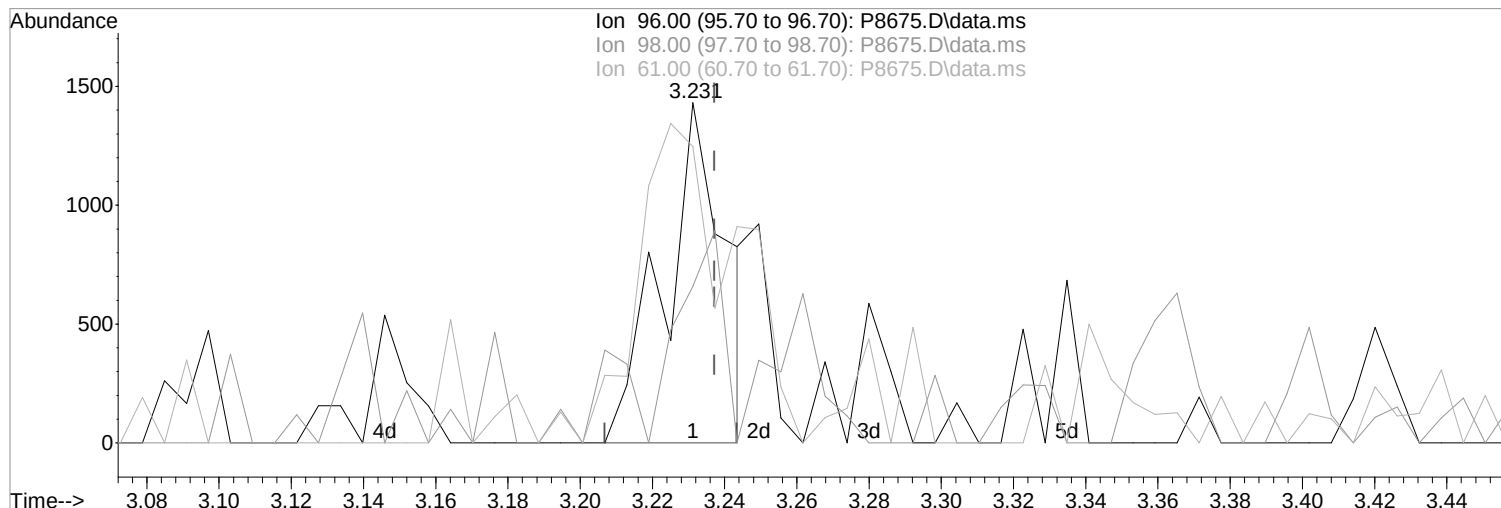
Ion	Exp%	Act%
96.00	100	100
98.00	68.30	45.98#
61.00	133.80	87.14#
0.00	0.00	0.00

03/27/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8675.D
Acq On : 24 Mar 2017 8:12 pm
Operator : K.Ruest
Sample : R1702494-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:09:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(26) trans-1,2-Dichloroethene (P)

Manual Integration:

3.231min (-0.006) 0.26 ppb

Before

response 1688

Ion	Exp%	Act%
96.00	100	100
98.00	68.30	42.87#
61.00	133.80	81.24#
0.00	0.00	0.00

03/27/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8675.D
 Acq On : 24 Mar 2017 8:12 pm
 Operator : K.Ruest
 Sample : R1702494-005|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:28:06 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

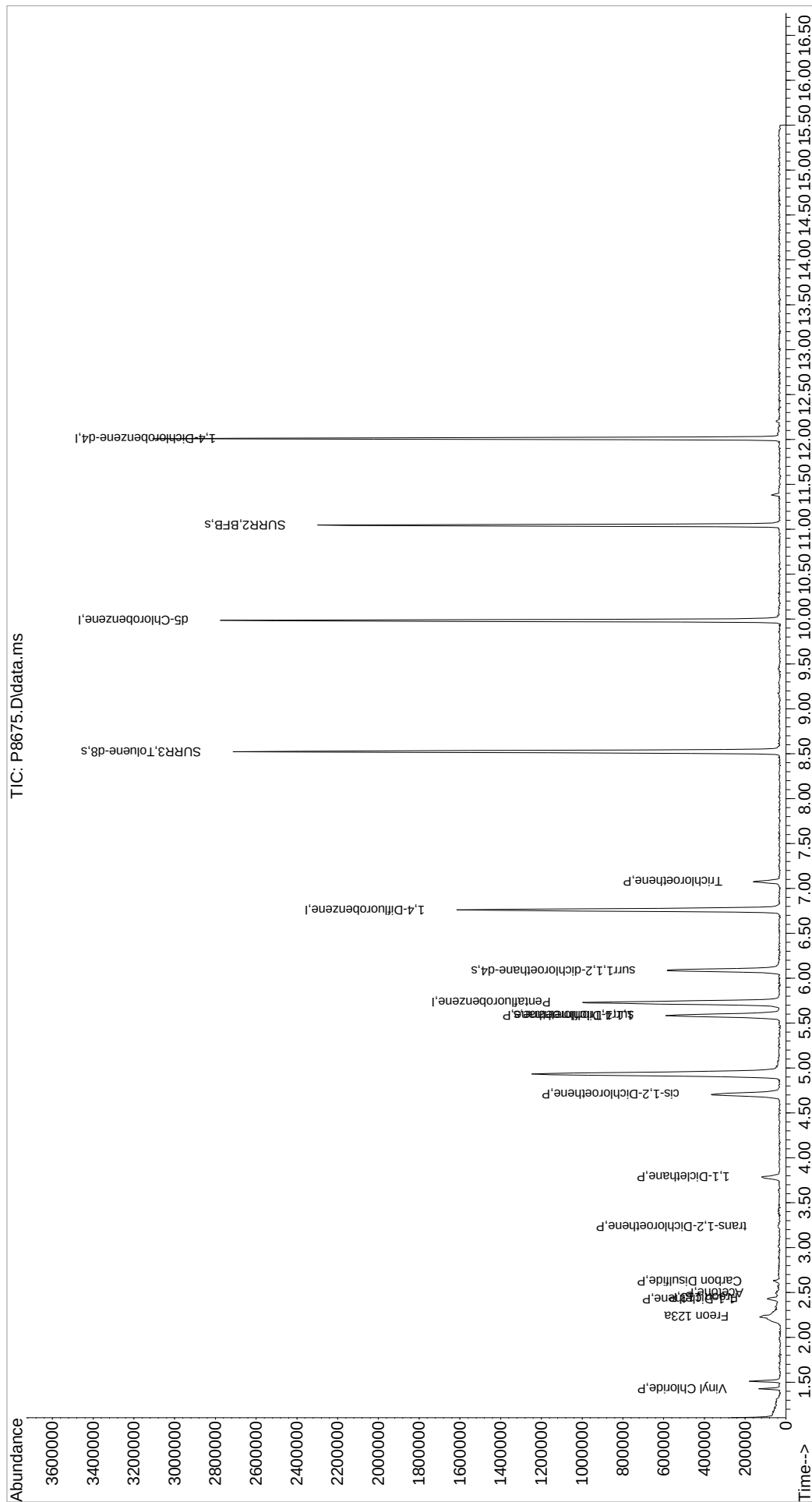
Internal Standards						
1) Pentafluorobenzene	5.731	168	785276	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1294532	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1187563	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	569328	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	372522	53.33	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery =	106.66%		
48) surr1,1,2-dichloroetha...	6.084	65	456081	58.81	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	117.62%		
65) SURR3,Toluene-d8	8.523	98	1579507	54.69	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	109.38%		
70) SURR2,BFB	11.047	95	570969	51.02	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	102.04%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.427	62	61144	8.06	ppb	96
10) Freon 123a	2.231	67	14578	2.45	ppb	91
13) 1,1-Dicethene	2.426	96	7158	1.29	ppb	# 77
14) Freon 113	2.439	101	13704	2.28	ppb	88
15) Acetone	2.494	43	18260	15.83	ppb	90
18) Carbon Disulfide	2.628	76	25556	1.51	ppb	89
26) trans-1,2-Dichloroethene	3.231	96	2064m	0.32	ppb	
28) 1,1-Dicethane	3.786	63	94189	8.72	ppb	93
34) cis-1,2-Dichloroethene	4.707	96	204686	29.81	ppb	98
41) 1,1,1-Trichloroethane	5.584	97	20931	2.27	ppb	85
54) Trichloroethene	7.078	130	40882	6.12	ppb	82

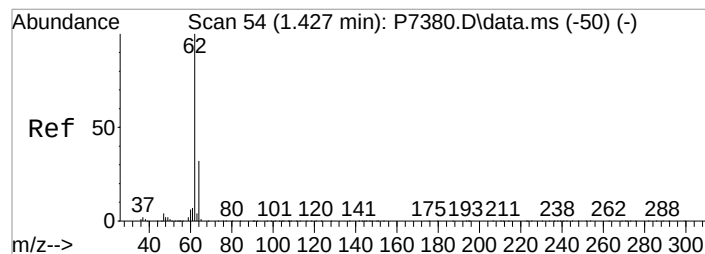
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8675.D
Acq On : 24 Mar 2017 8:12 pm
Operator : K.Ruest
Sample : R1702494-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSV0A-12

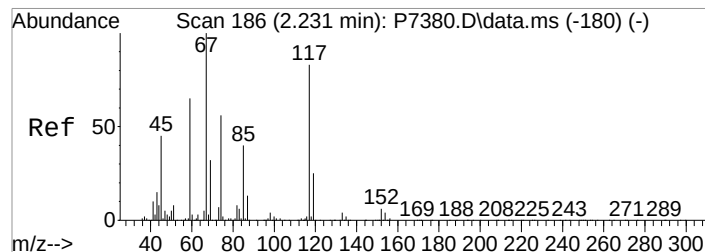
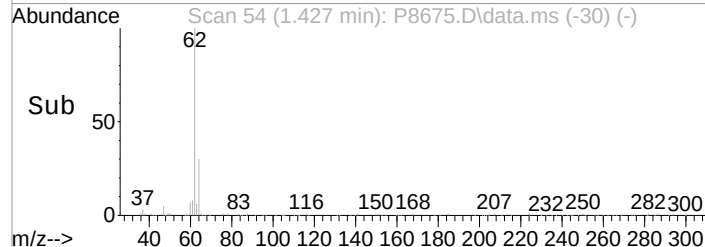
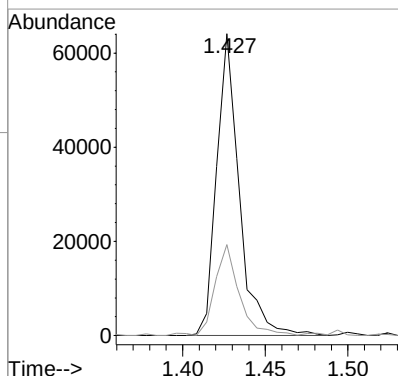
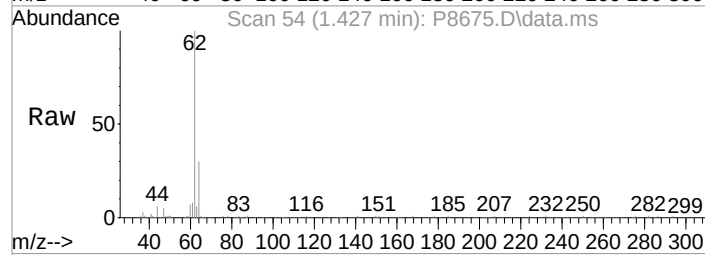
Quant Time: Mar 27 11:28:06 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration





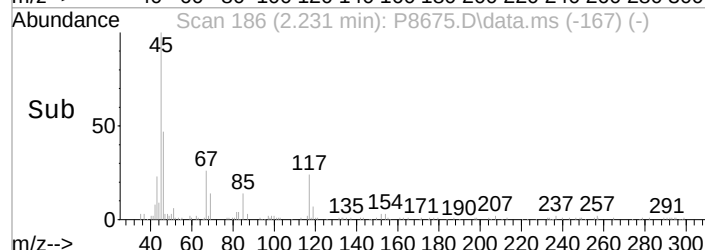
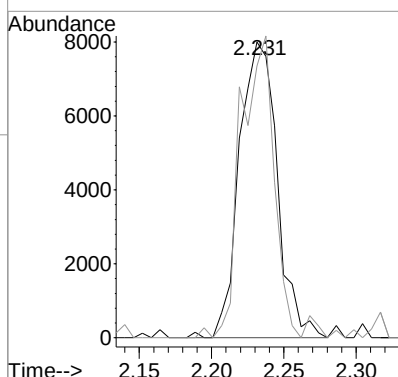
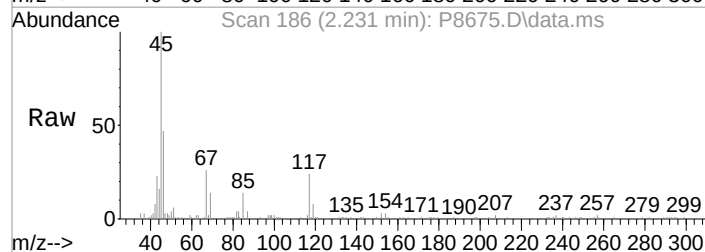
#4
Vinyl Chloride
Concen: 8.06 ppb
RT: 1.427 min Scan# 54
Delta R.T. 0.000 min
Lab File: P8675.D
Acq: 24 Mar 2017 8:12 pm

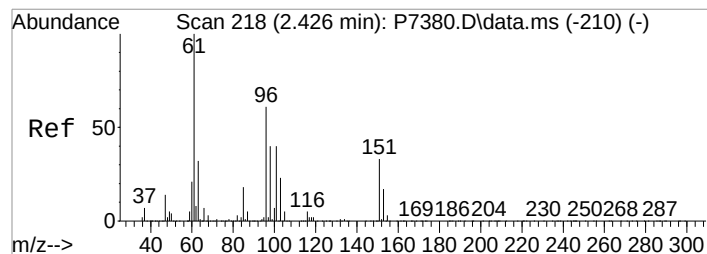
Tgt Ion: 62 Resp: 61144
Ion Ratio Lower Upper
62 100
64 30.2 12.3 52.3



#10
Freon 123a
Concen: 2.45 ppb
RT: 2.231 min Scan# 186
Delta R.T. 0.000 min
Lab File: P8675.D
Acq: 24 Mar 2017 8:12 pm

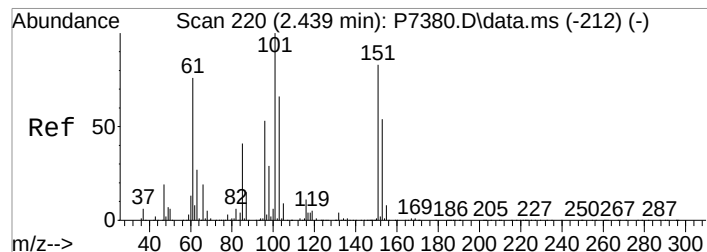
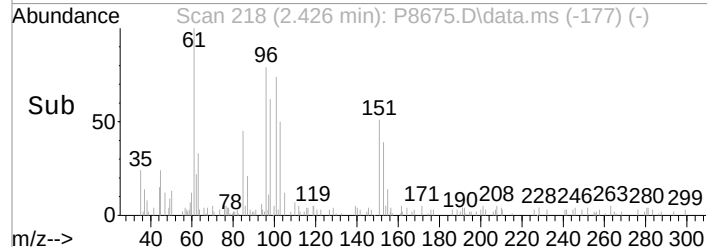
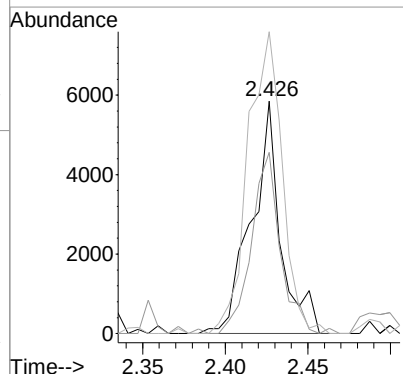
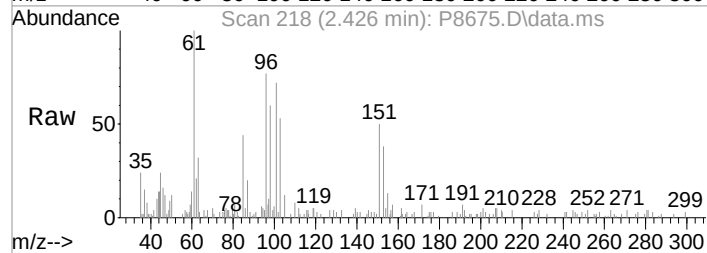
Tgt Ion: 67 Resp: 14578
Ion Ratio Lower Upper
67 100
117 91.9 63.4 103.4





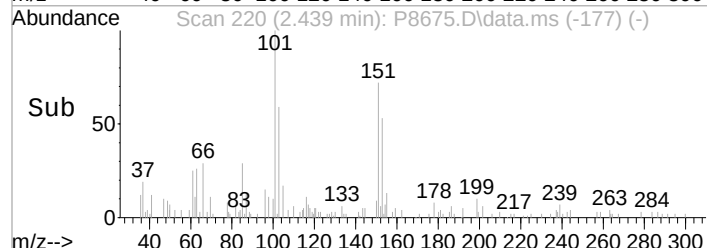
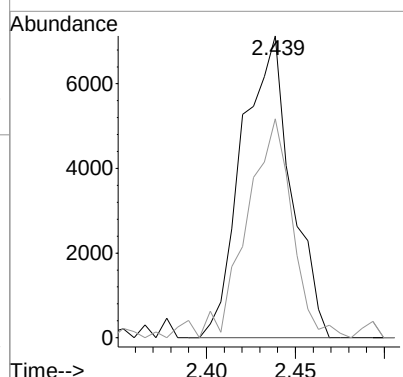
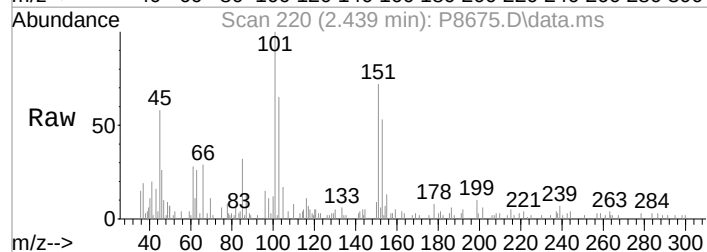
#13
 1,1-Dicloroethene
 Concen: 1.29 ppb
 RT: 2.426 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm

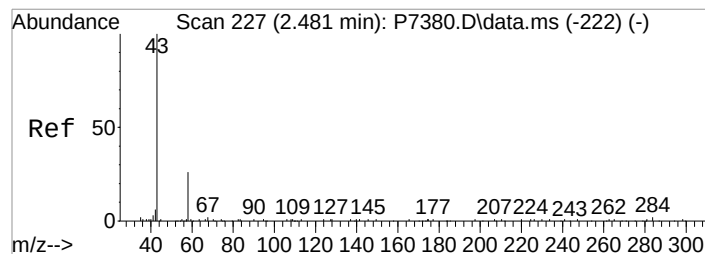
Tgt Ion: 96 Resp: 7158
 Ion Ratio Lower Upper
 96 100
 98 78.1 44.9 84.9
 61 130.0 144.2 184.2#



#14
 Freon 113
 Concen: 2.28 ppb
 RT: 2.439 min Scan# 220
 Delta R.T. 0.006 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm

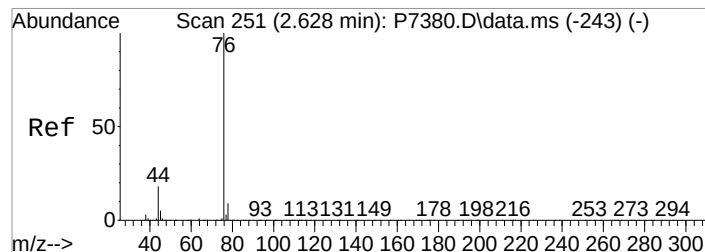
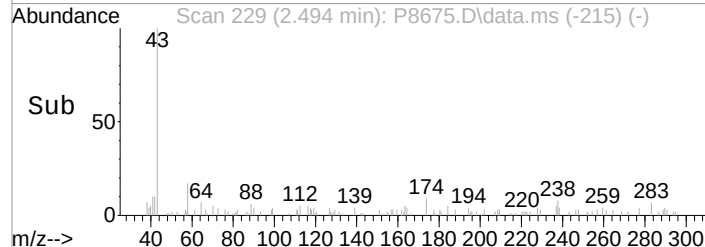
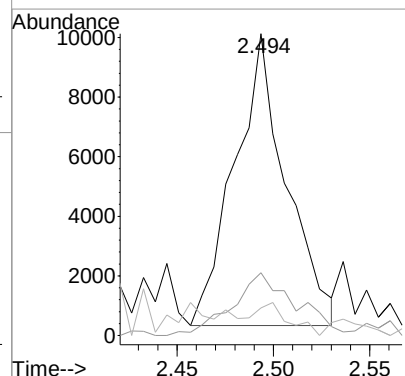
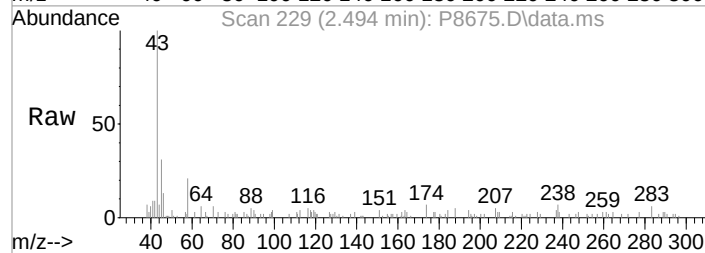
Tgt Ion: 101 Resp: 13704
 Ion Ratio Lower Upper
 101 100
 151 72.5 63.3 103.3





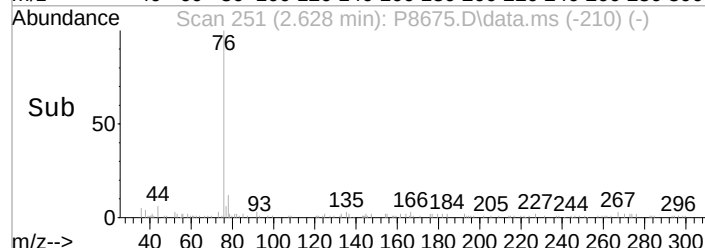
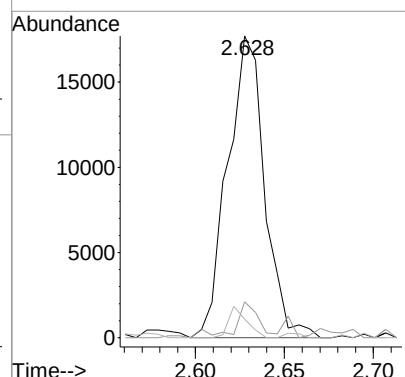
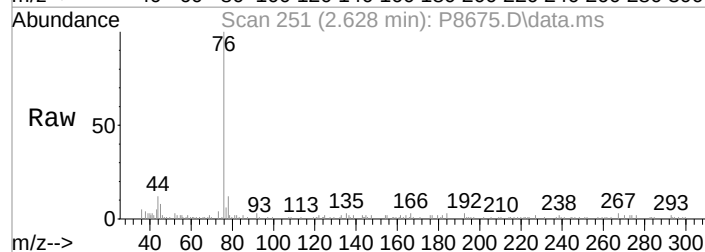
#15
 Acetone
 Concen: 15.83 ppb
 RT: 2.494 min Scan# 229
 Delta R.T. 0.012 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm

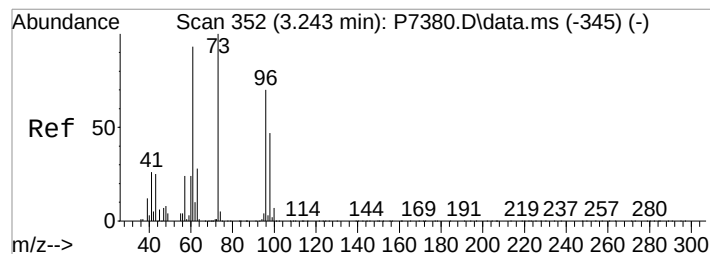
Tgt Ion:	43	Resp:	18260
Ion Ratio		Lower	Upper
43	100		
58	20.8	6.2	46.2
42	9.1	0.0	26.9



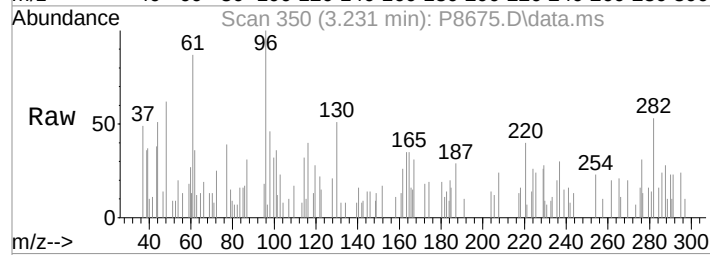
#18
 Carbon Disulfide
 Concen: 1.51 ppb
 RT: 2.628 min Scan# 251
 Delta R.T. -0.006 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm

Tgt Ion:	76	Resp:	25556
Ion Ratio		Lower	Upper
76	100		
78	13.4	0.0	29.5
77	6.1	0.0	22.7

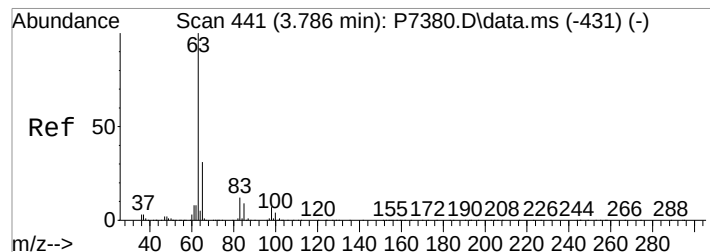
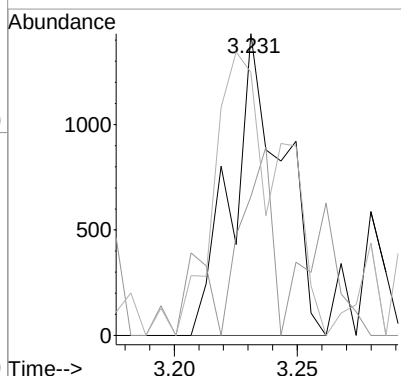
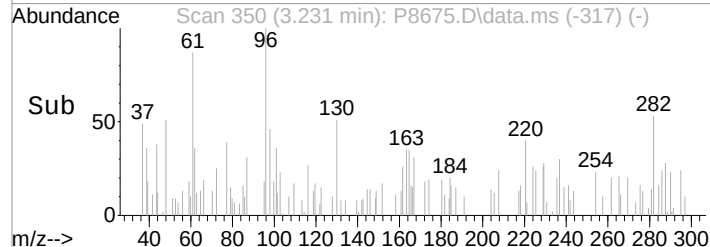




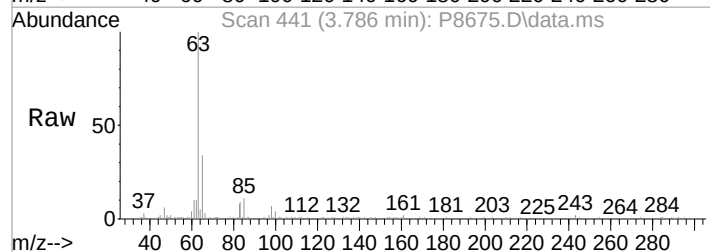
#26
 trans-1,2-Dichloroethene
 Concen: 0.32 ppb m
 RT: 3.231 min Scan# 350
 Delta R.T. -0.006 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm



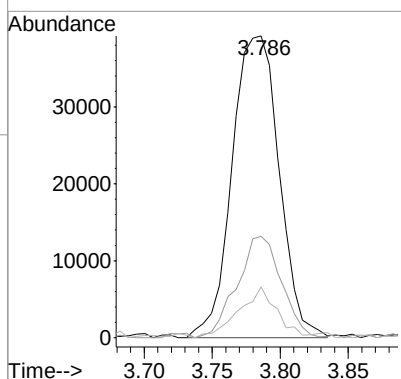
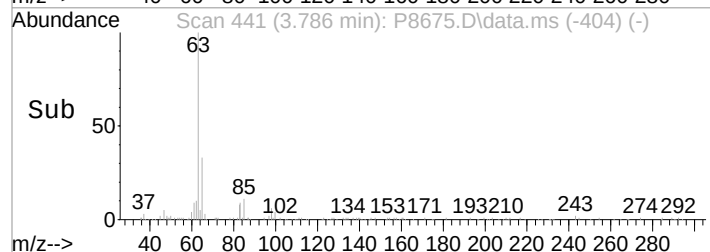
Tgt Ion: 96 Resp: 2064
 Ion Ratio Lower Upper
 96 100
 98 46.0 48.3 88.3#
 61 87.1 113.8 153.8#

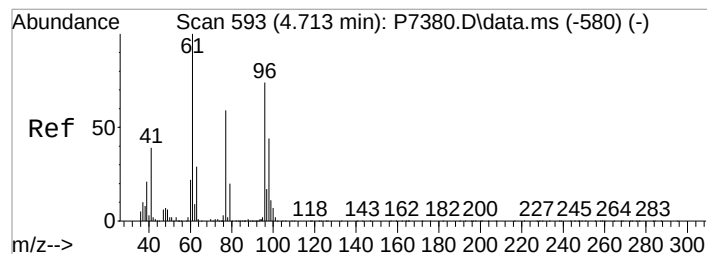


#28
 1,1-Dicethane
 Concen: 8.72 ppb
 RT: 3.786 min Scan# 441
 Delta R.T. 0.000 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm



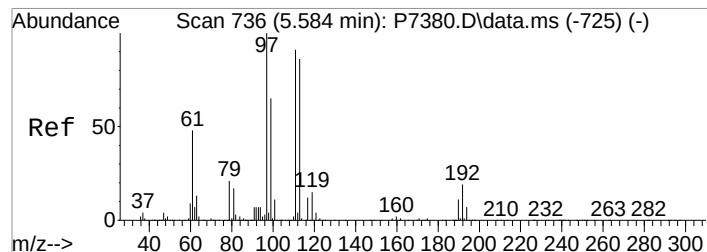
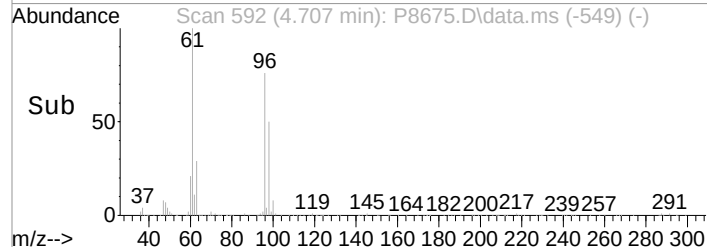
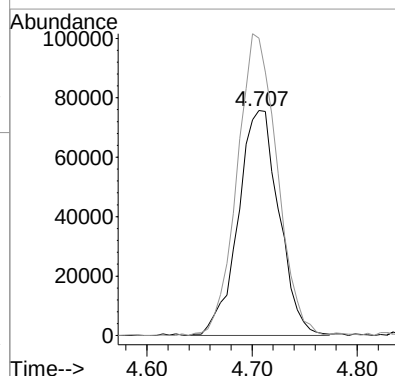
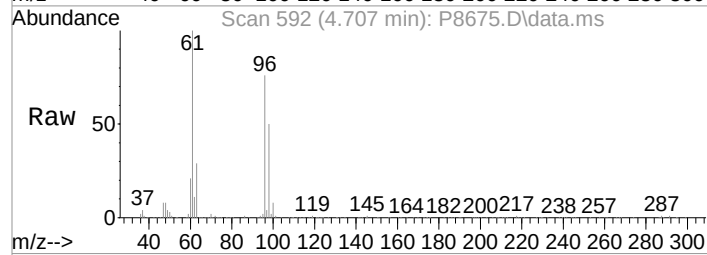
Tgt Ion: 63 Resp: 94189
 Ion Ratio Lower Upper
 63 100
 65 33.6 10.8 50.8
 83 16.9 0.0 32.1





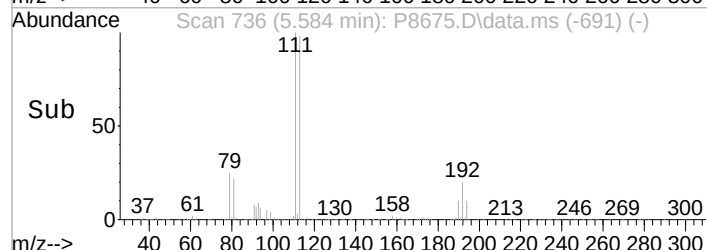
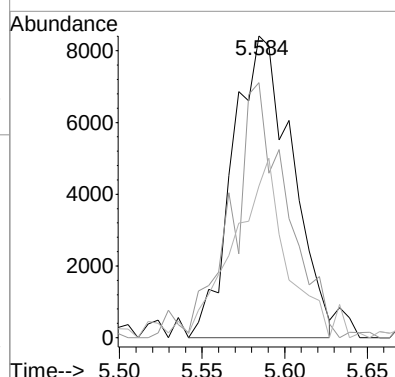
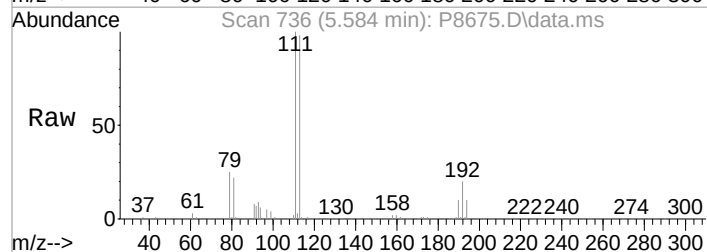
#34
 cis-1,2-Dichloroethene
 Concen: 29.81 ppb
 RT: 4.707 min Scan# 592
 Delta R.T. 0.000 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm

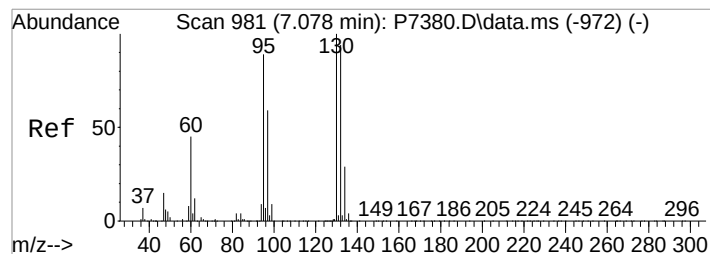
Tgt Ion: 96 Resp: 204686
 Ion Ratio Lower Upper
 96 100
 61 132.2 114.8 154.8



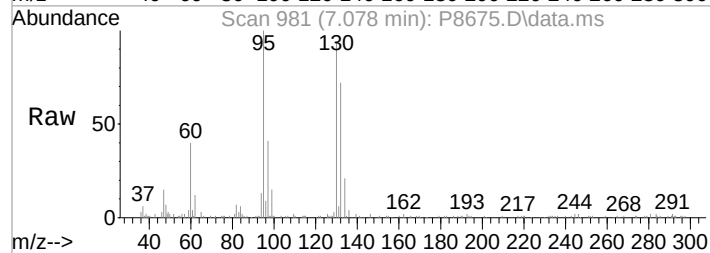
#41
 1,1,1-Trichloroethane
 Concen: 2.27 ppb
 RT: 5.584 min Scan# 736
 Delta R.T. -0.006 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm

Tgt Ion: 97 Resp: 20931
 Ion Ratio Lower Upper
 97 100
 99 84.4 45.5 85.5
 61 50.2 28.1 68.1

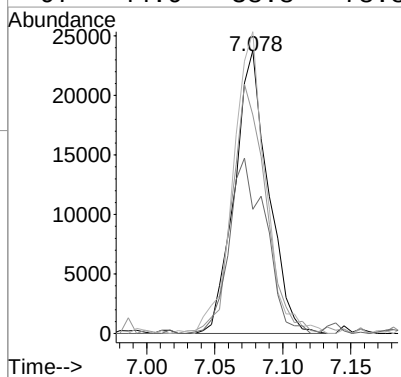
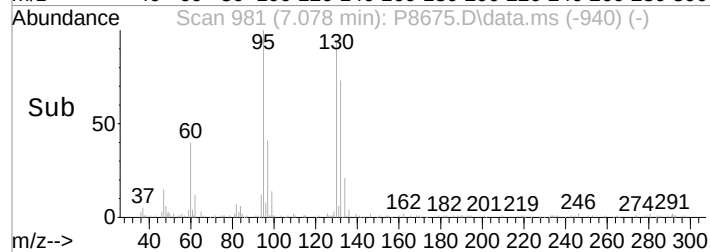




#54
 Trichloroethene
 Concen: 6.12 ppb
 RT: 7.078 min Scan# 981
 Delta R.T. 0.000 min
 Lab File: P8675.D
 Acq: 24 Mar 2017 8:12 pm



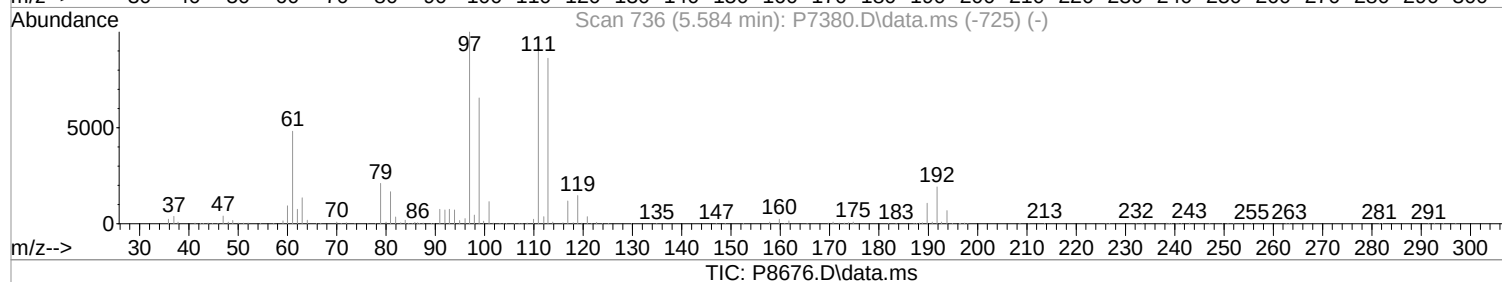
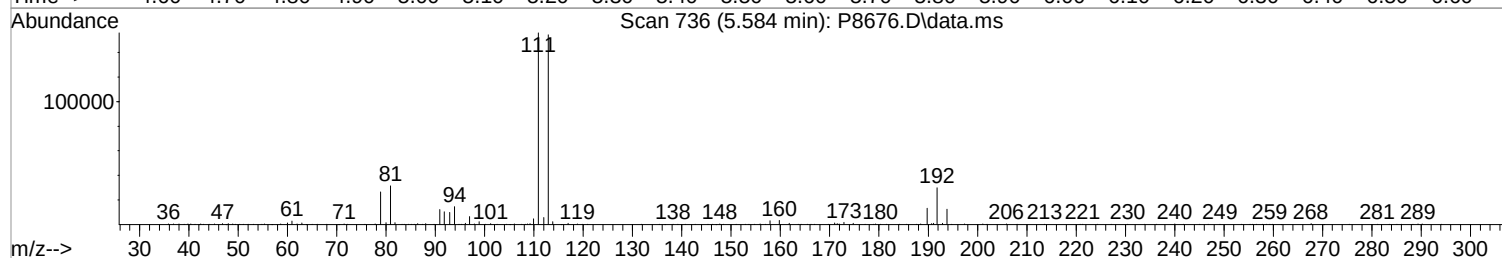
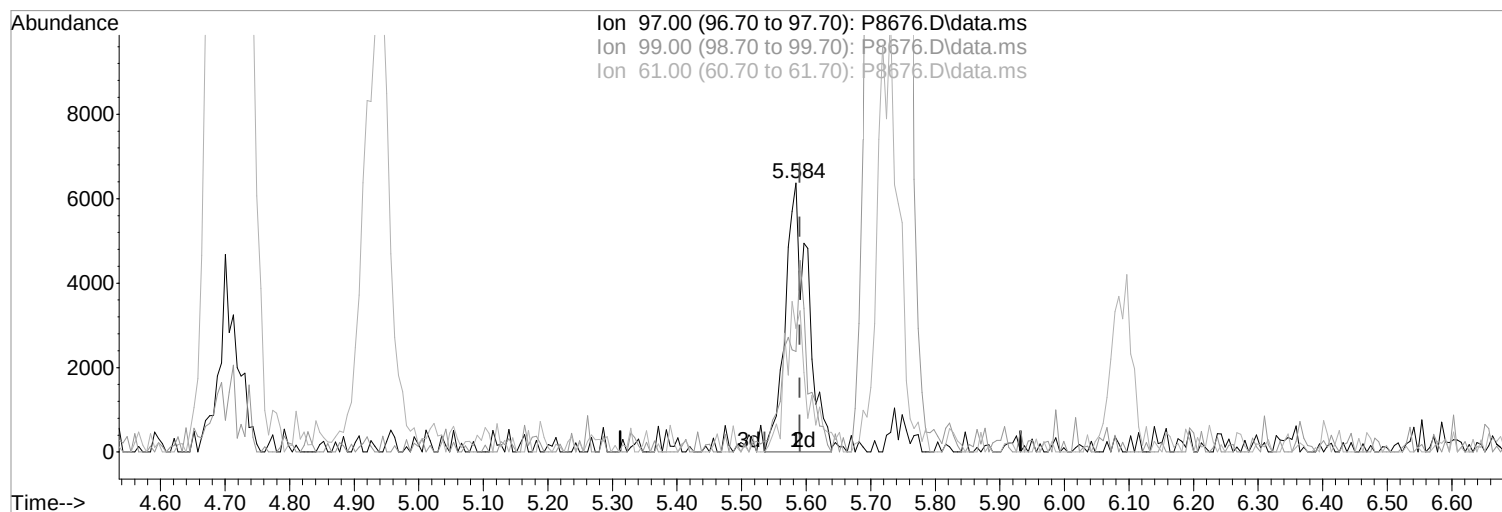
Tgt Ion:	130	Resp:	40882
Ion Ratio		Lower	Upper
130	100		
132	77.7	74.2	114.2
95	106.7	69.4	109.4
97	44.9	38.8	78.8



Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8676.D
Acq On : 24 Mar 2017 8:42 pm
Operator : K.Ruest
Sample : R1702494-006|1.0
Misc : VERINA 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:09:35 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(41) 1,1,1-Trichloroethane (P)

Manual Integration:

5.584min (-0.006) 1.70 ppb m

After

response 15690

Split Peak

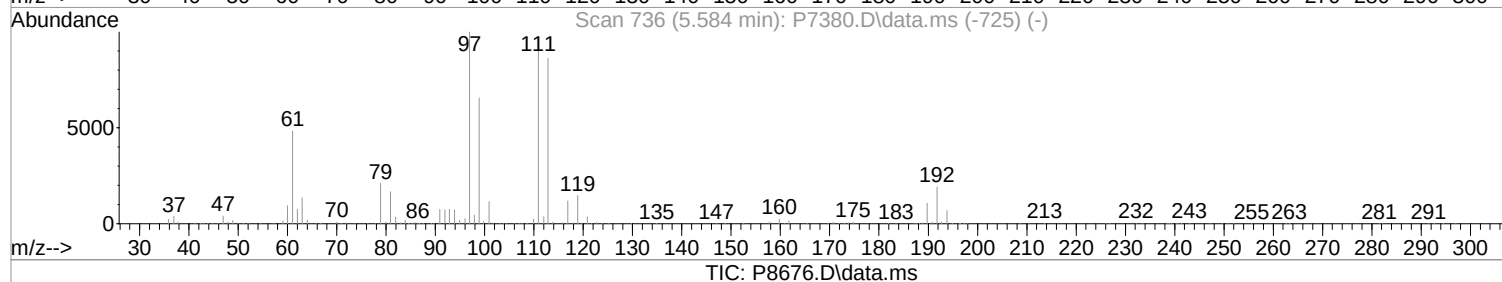
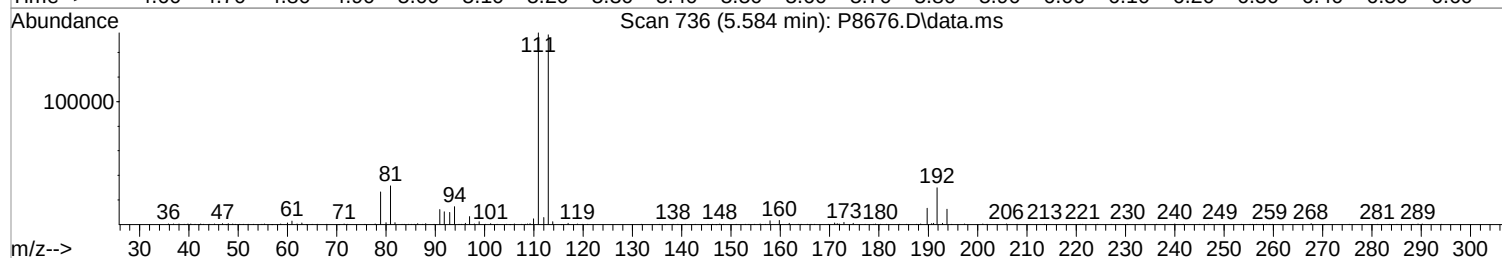
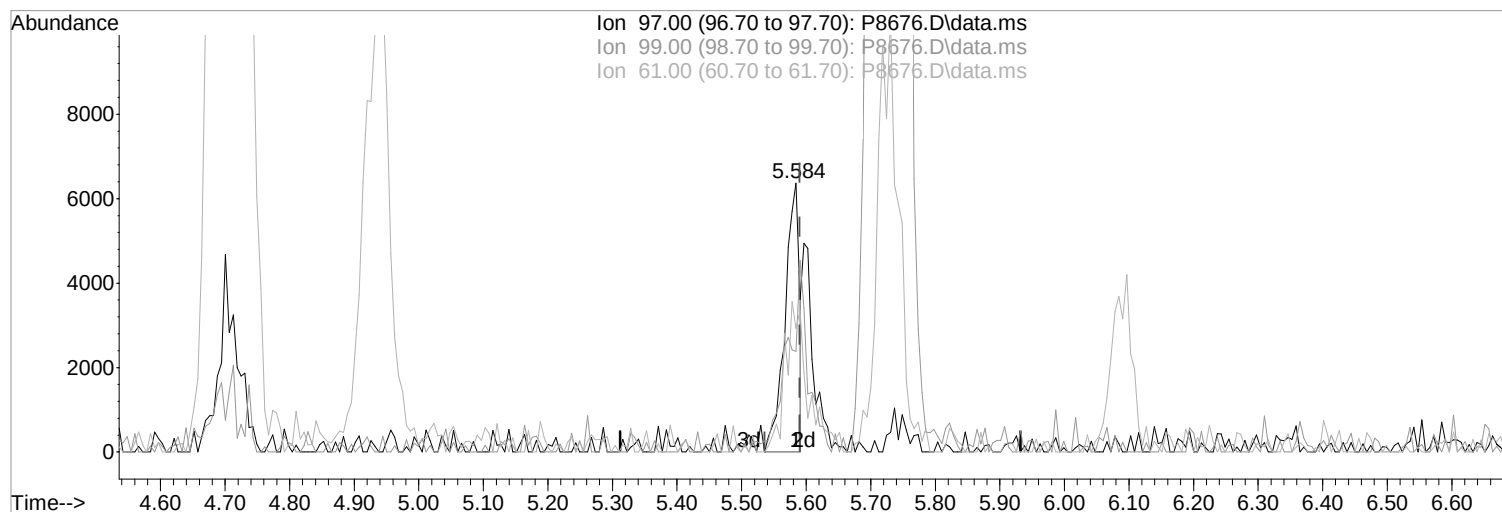
Ion	Exp%	Act%
97.00	100	100
99.00	65.50	37.41#
61.00	48.10	45.98
0.00	0.00	0.00

03/27/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8676.D
Acq On : 24 Mar 2017 8:42 pm
Operator : K.Ruest
Sample : R1702494-006|1.0
Misc : VERINA 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:09:35 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(41) 1,1,1-Trichloroethane (P)

Manual Integration:

5.584min (-0.006) 1.06 ppb

Before

response 9828

Ion	Exp%	Act%

03/27/17

97.00	100	100

99.00	65.50	37.41#

61.00	48.10	45.98

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8676.D
 Acq On : 24 Mar 2017 8:42 pm
 Operator : K.Ruest
 Sample : R1702494-006|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:33:06 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

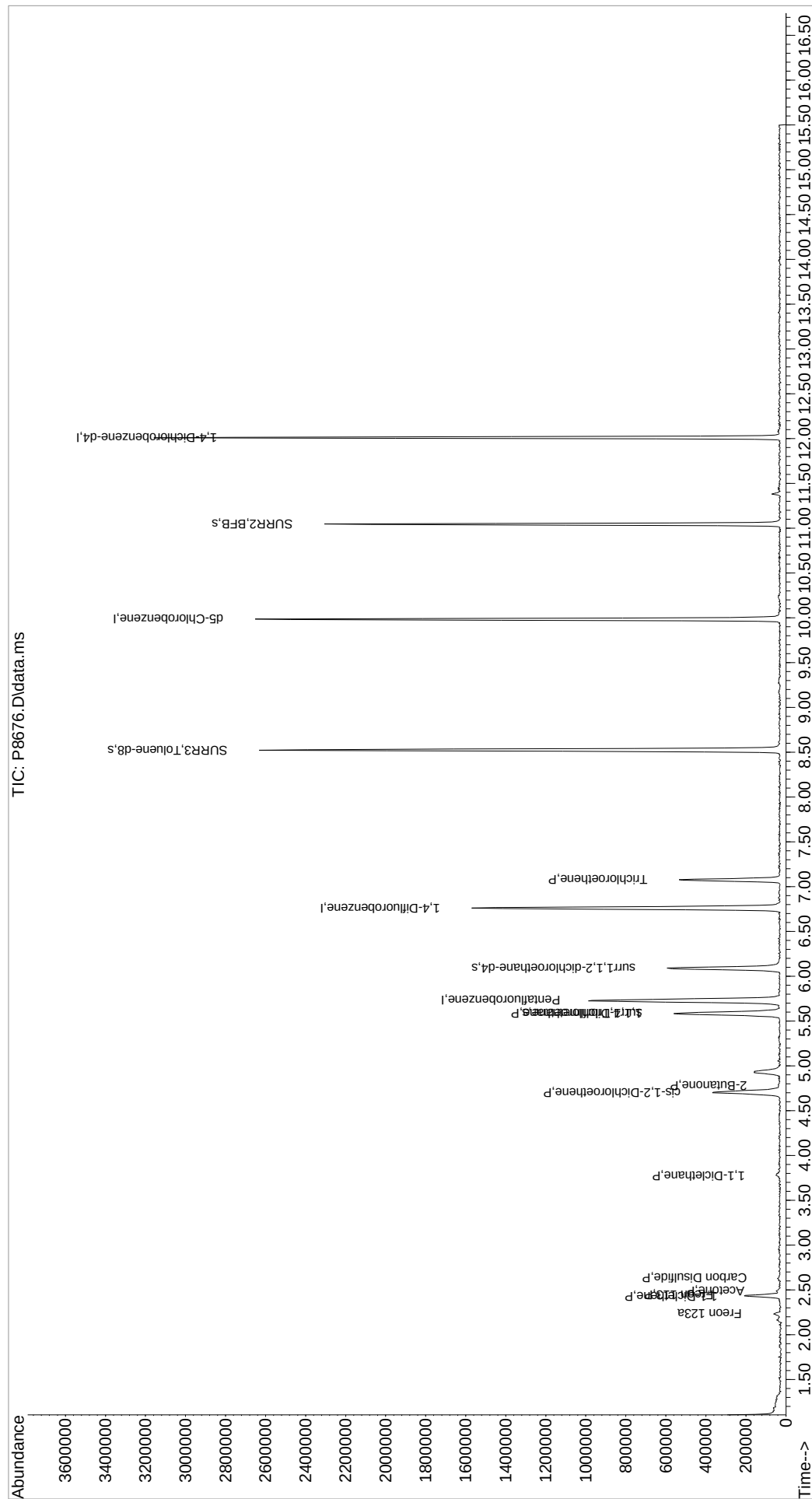
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	789127	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1287942	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1166736	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	581881	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	392056	56.41	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery =	112.82%		
48) surr1,1,2-dichloroetha...	6.090	65	447833	58.04	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	116.08%		
65) SURR3,Toluene-d8	8.523	98	1558427	54.24	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	108.48%		
70) SURR2,BFB	11.047	95	556202	49.95	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	99.90%		
Target Compounds						
10) Freon 123a	2.231	67	11214	1.87	ppb	Qvalue 89
13) 1,1-Diclethene	2.426	96	5987	1.07	ppb	# 79
14) Freon 113	2.439	101	62247	10.31	ppb	96
15) Acetone	2.487	43	16725	14.43	ppb	94
18) Carbon Disulfide	2.634	76	5192	0.30	ppb	67
28) 1,1-Diclethane	3.774	63	17066	1.57	ppb	86
34) cis-1,2-Dichloroethene	4.700	96	201108	29.15	ppb	85
35) 2-Butanone	4.774	43	4095	2.40	ppb	84
41) 1,1,1-Trichloroethane	5.584	97	15690m	1.70	ppb	
54) Trichloroethene	7.078	130	173656	26.11	ppb	98

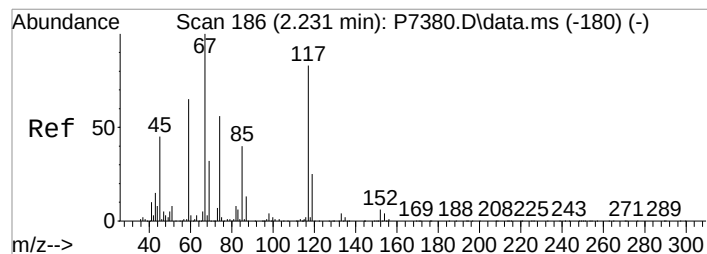
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8676.D
Acq On : 24 Mar 2017 8:42 pm
Operator : K.Ruest
Sample : R1702494-006|1.0
Misc : VERINA 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSV0A-12

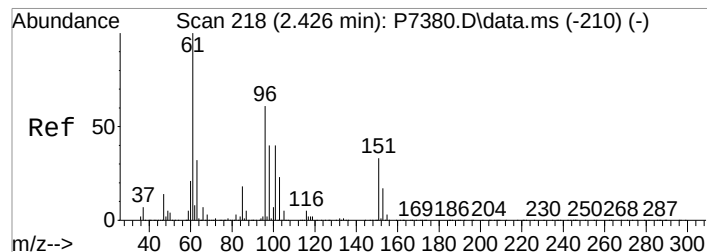
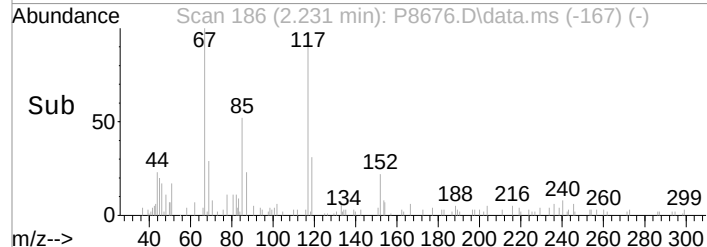
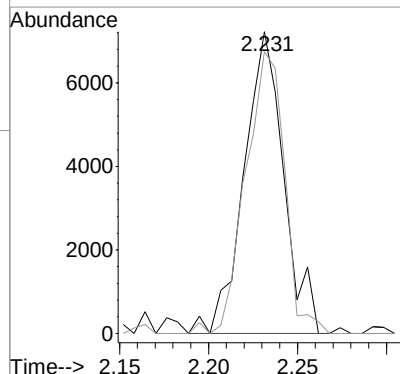
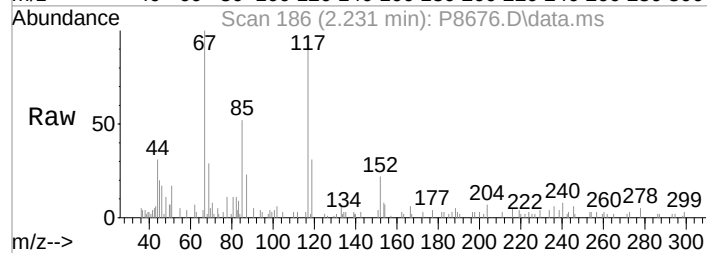
Quant Time: Mar 27 11:33:06 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration





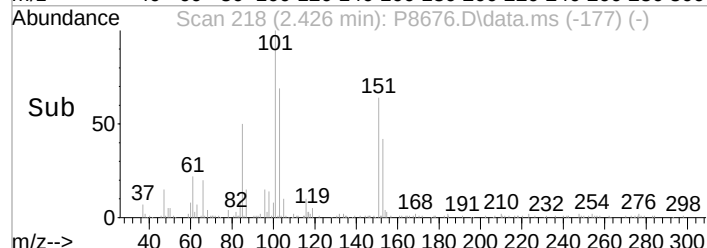
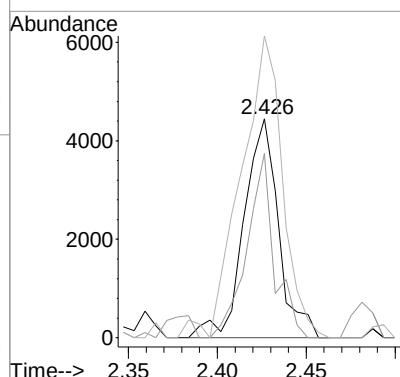
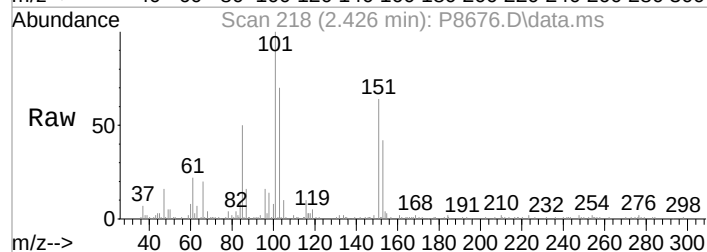
#10
Freon 123a
Concen: 1.87 ppb
RT: 2.231 min Scan# 186
Delta R.T. 0.000 min
Lab File: P8676.D
Acq: 24 Mar 2017 8:42 pm

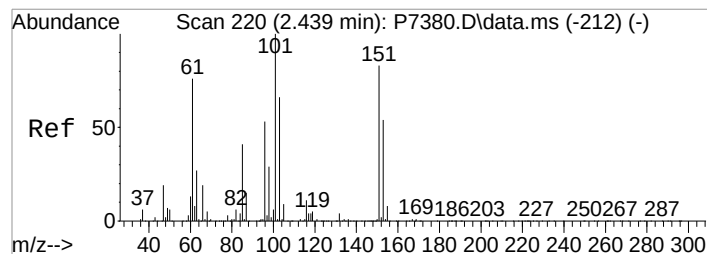
Tgt Ion: 67 Resp: 11214
Ion Ratio Lower Upper
67 100
117 93.3 63.4 103.4



#13
1,1-Dicethene
Concen: 1.07 ppb
RT: 2.426 min Scan# 218
Delta R.T. 0.000 min
Lab File: P8676.D
Acq: 24 Mar 2017 8:42 pm

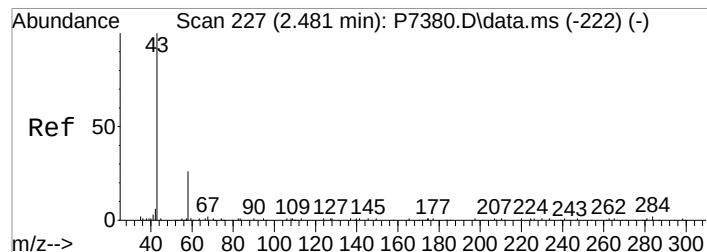
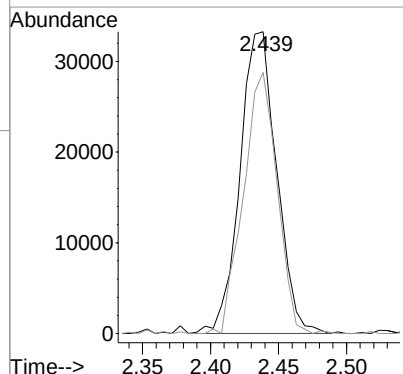
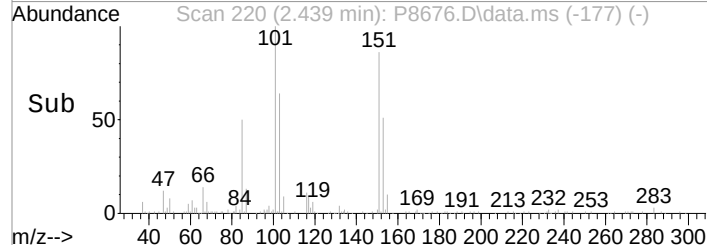
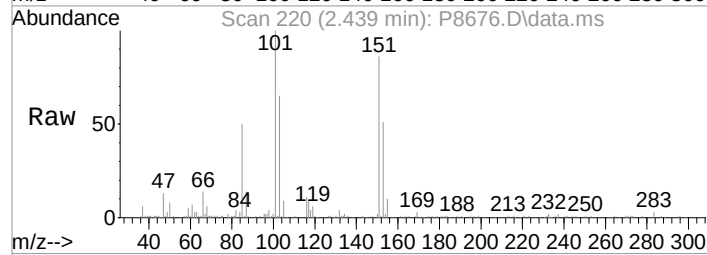
Tgt Ion: 96 Resp: 5987
Ion Ratio Lower Upper
96 100
98 84.2 44.9 84.9
61 137.9 144.2 184.2#





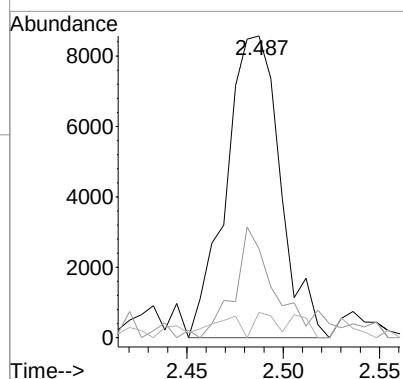
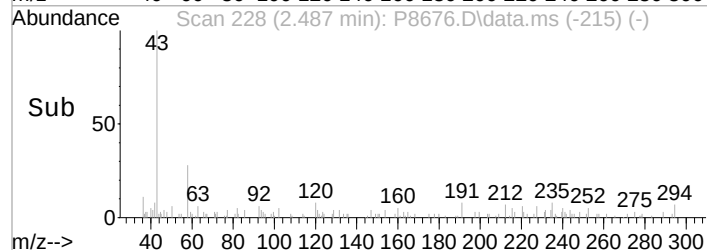
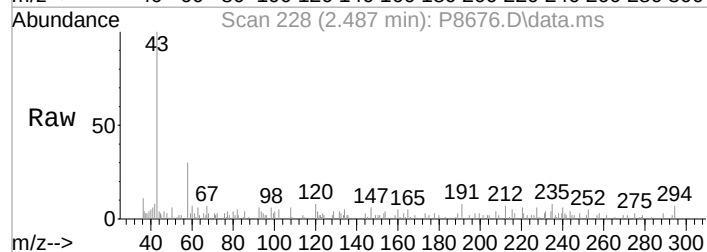
#14
Freon 113
Concen: 10.31 ppb
RT: 2.439 min Scan# 220
Delta R.T. 0.006 min
Lab File: P8676.D
Acq: 24 Mar 2017 8:42 pm

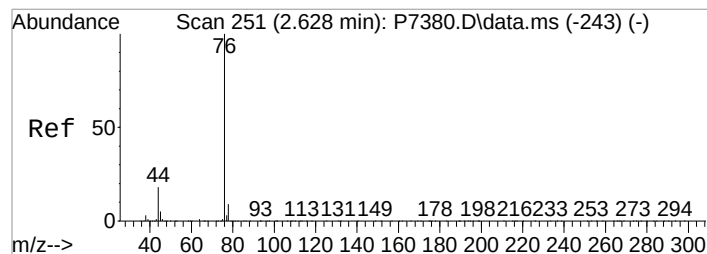
Tgt Ion: 101 Resp: 62247
Ion Ratio Lower Upper
101 100
151 86.5 63.3 103.3



#15
Acetone
Concen: 14.43 ppb
RT: 2.487 min Scan# 228
Delta R.T. 0.006 min
Lab File: P8676.D
Acq: 24 Mar 2017 8:42 pm

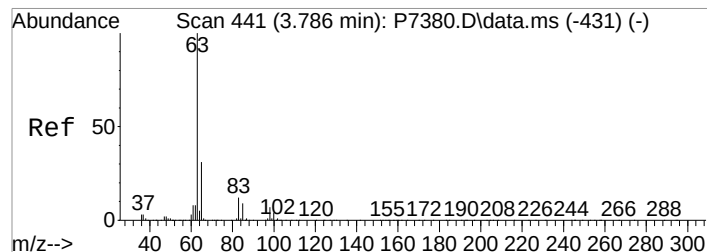
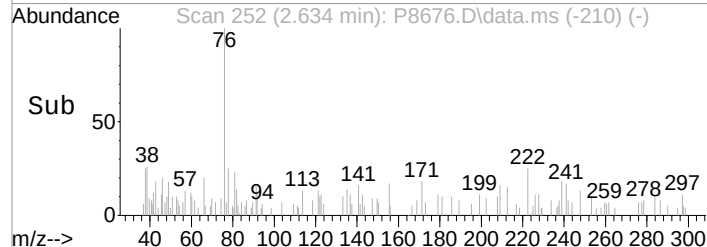
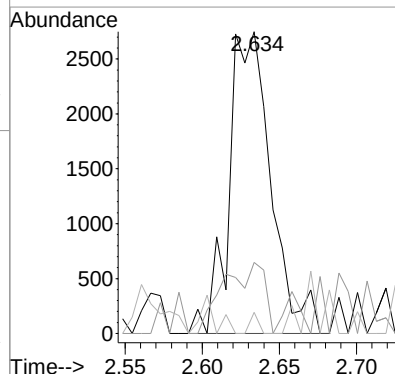
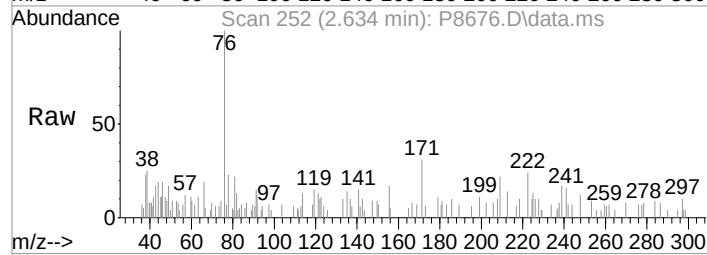
Tgt Ion: 43 Resp: 16725
Ion Ratio Lower Upper
43 100
58 29.5 6.2 46.2
42 8.4 0.0 26.9





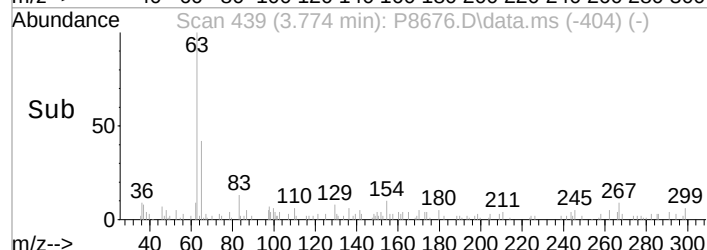
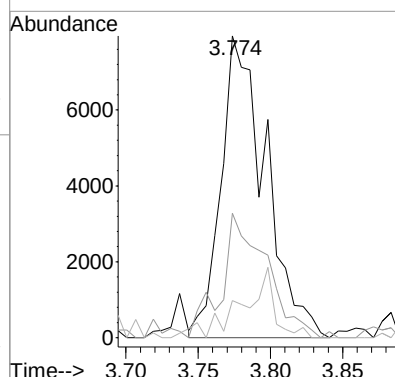
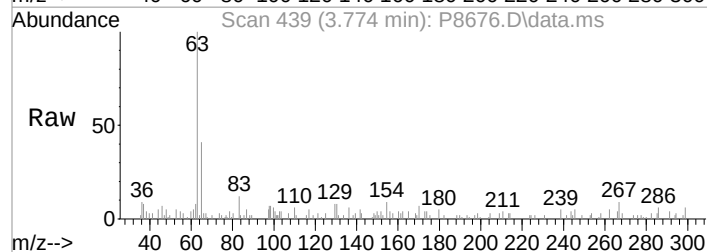
#18
Carbon Disulfide
Concen: 0.30 ppb
RT: 2.634 min Scan# 252
Delta R.T. 0.000 min
Lab File: P8676.D
Acq: 24 Mar 2017 8:42 pm

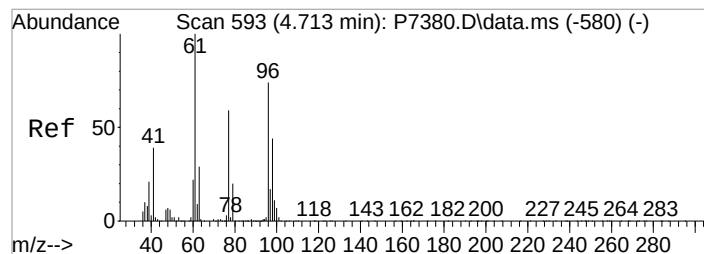
Tgt Ion	Ratio	Lower	Upper
76	100		
78	23.5	0.0	29.5
77	7.0	0.0	22.7



#28
1,1-Dicethane
Concen: 1.57 ppb
RT: 3.774 min Scan# 439
Delta R.T. -0.012 min
Lab File: P8676.D
Acq: 24 Mar 2017 8:42 pm

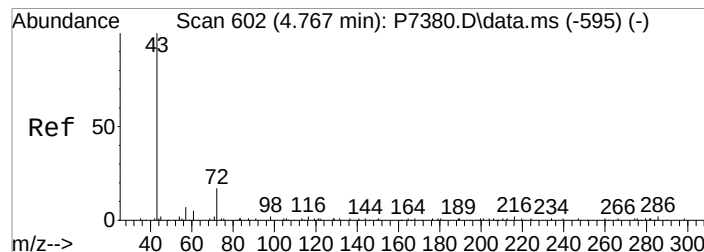
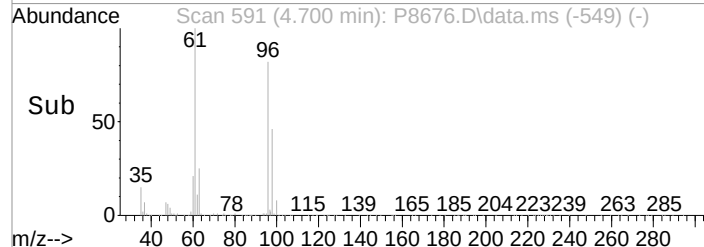
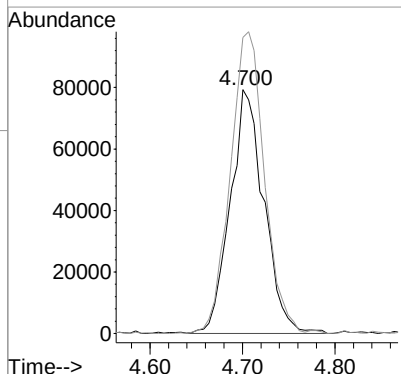
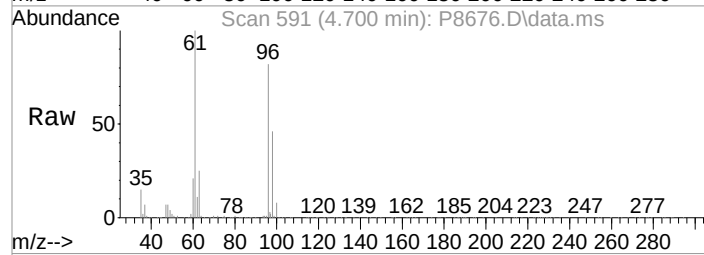
Tgt Ion	Ratio	Lower	Upper
63	100		
65	41.2	10.8	50.8
83	12.3	0.0	32.1





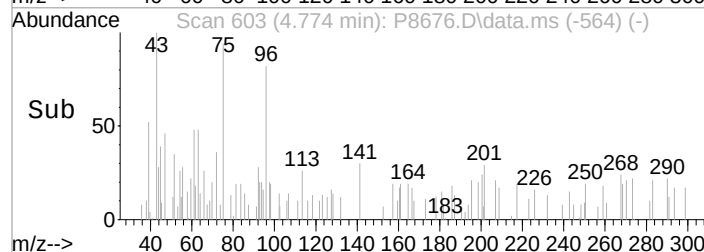
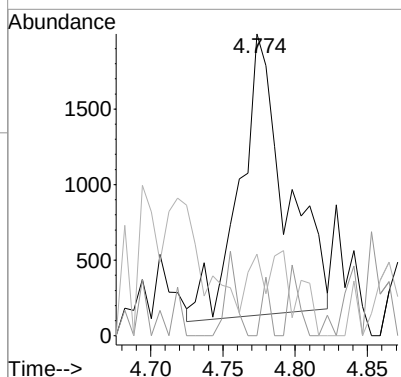
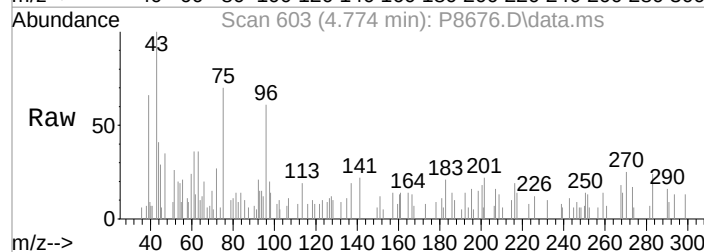
#34
 cis-1,2-Dichloroethene
 Concen: 29.15 ppb
 RT: 4.700 min Scan# 591
 Delta R.T. -0.006 min
 Lab File: P8676.D
 Acq: 24 Mar 2017 8:42 pm

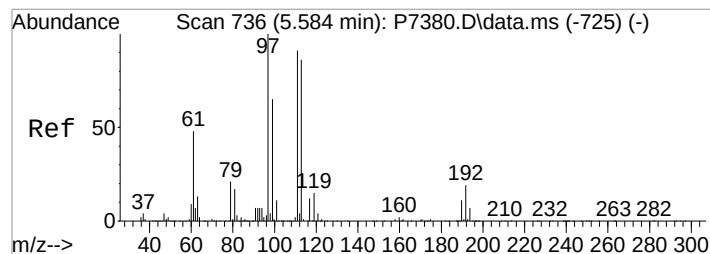
Tgt Ion: 96 Resp: 201108
 Ion Ratio Lower Upper
 96 100
 61 117.5 114.8 154.8



#35
 2-Butanone
 Concen: 2.40 ppb
 RT: 4.774 min Scan# 603
 Delta R.T. 0.012 min
 Lab File: P8676.D
 Acq: 24 Mar 2017 8:42 pm

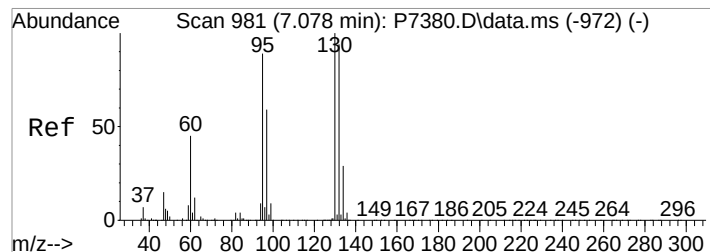
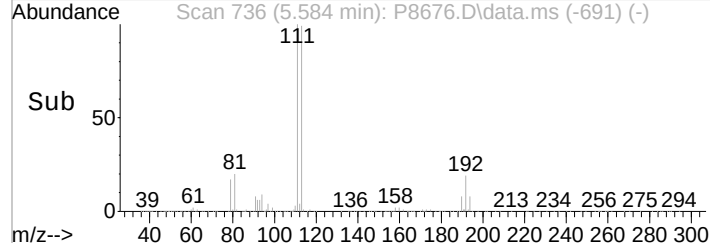
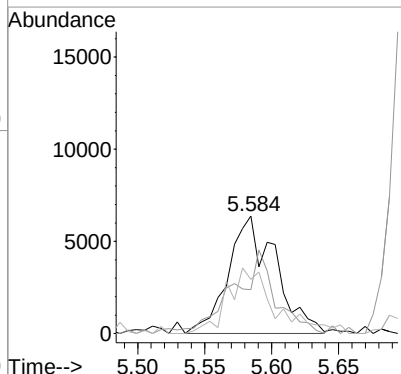
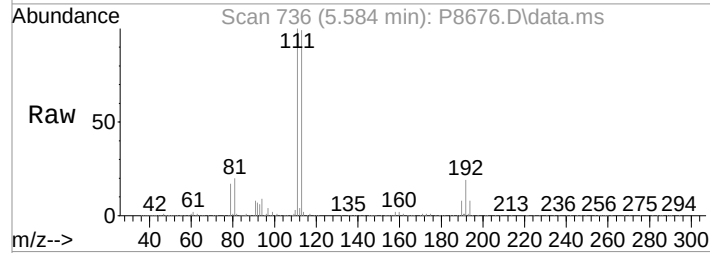
Tgt Ion: 43 Resp: 4095
 Ion Ratio Lower Upper
 43 100
 57 0.0 0.0 26.7
 72 27.1 0.1 40.1





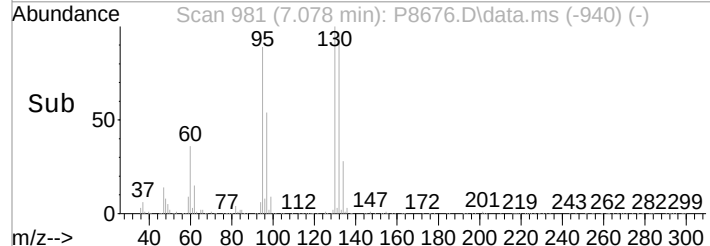
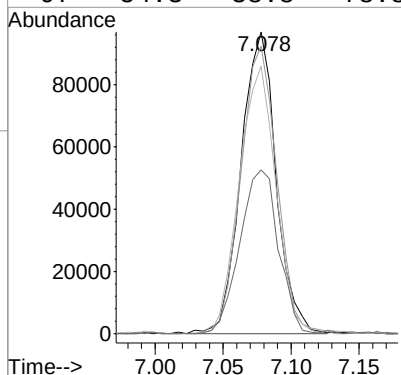
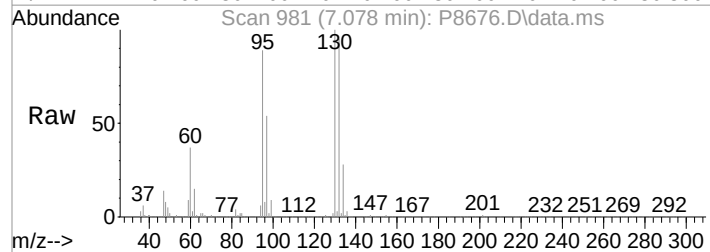
#41
 1,1,1-Trichloroethane
 Concen: 1.70 ppb m
 RT: 5.584 min Scan# 736
 Delta R.T. -0.006 min
 Lab File: P8676.D
 Acq: 24 Mar 2017 8:42 pm

Tgt Ion:	97	Resp:	15690
Ion Ratio	Lower	Upper	
97	100		
99	37.4	45.5	85.5#
61	46.0	28.1	68.1



#54
 Trichloroethene
 Concen: 26.11 ppb
 RT: 7.078 min Scan# 981
 Delta R.T. 0.000 min
 Lab File: P8676.D
 Acq: 24 Mar 2017 8:42 pm

Tgt Ion:	130	Resp:	173656
Ion Ratio	Lower	Upper	
130	100		
132	95.3	74.2	114.2
95	88.6	69.4	109.4
97	54.3	38.8	78.8



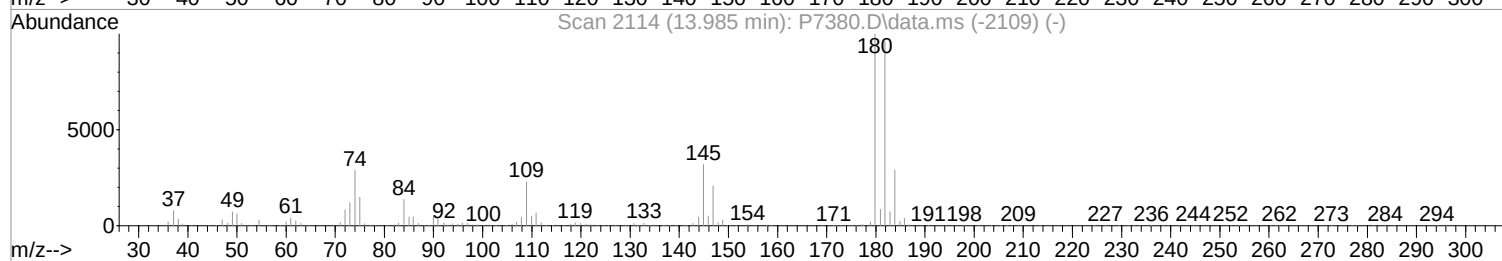
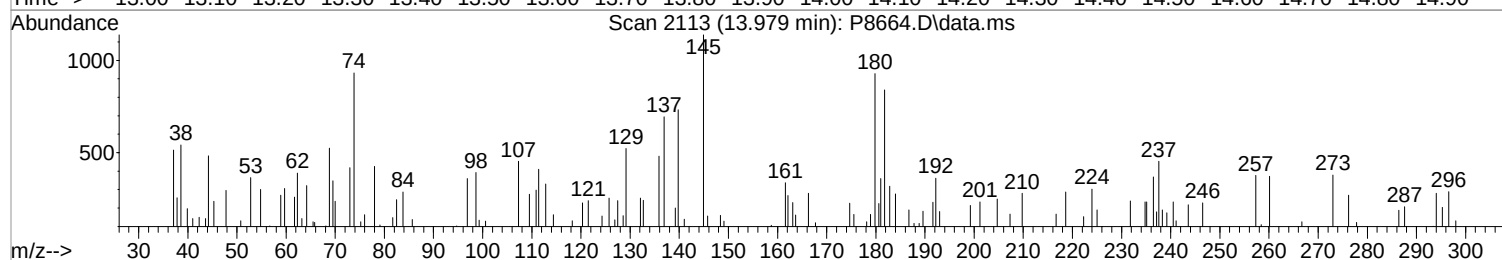
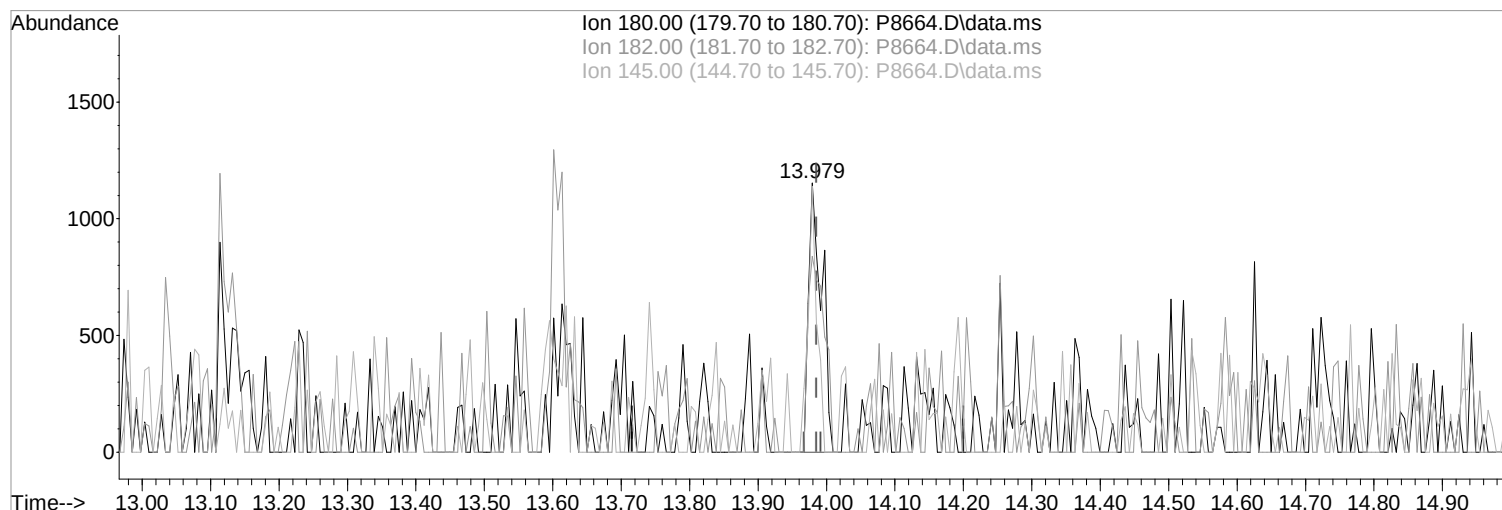
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8664.D
Acq On : 24 Mar 2017 2:41 pm
Operator : K.Ruest
Sample : R1702494-007|1.0
Misc : VERINA 8260 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 15:20:45 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8664.D\data.ms

(118) 1,2,3-Tclbenzene

13.979min (-0.006) 0.24 ppb m

response 1567

Ion	Exp%	Act%

180.00	100	100

182.00	95.90	90.31

145.00	31.80	122.60#

0.00	0.00	0.00

Manual Integration:

After

Split Peak

03/24/17

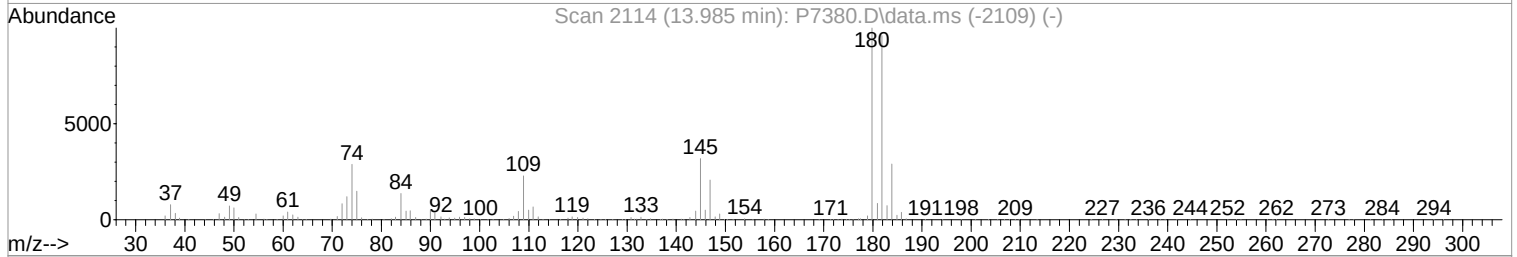
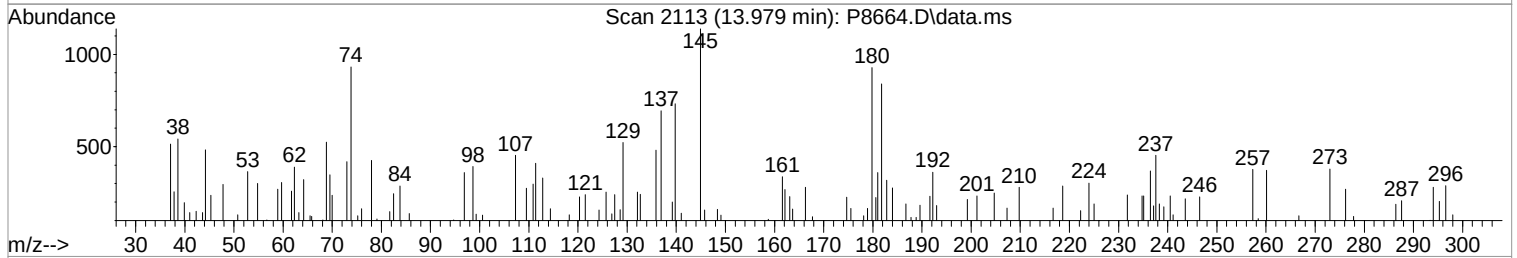
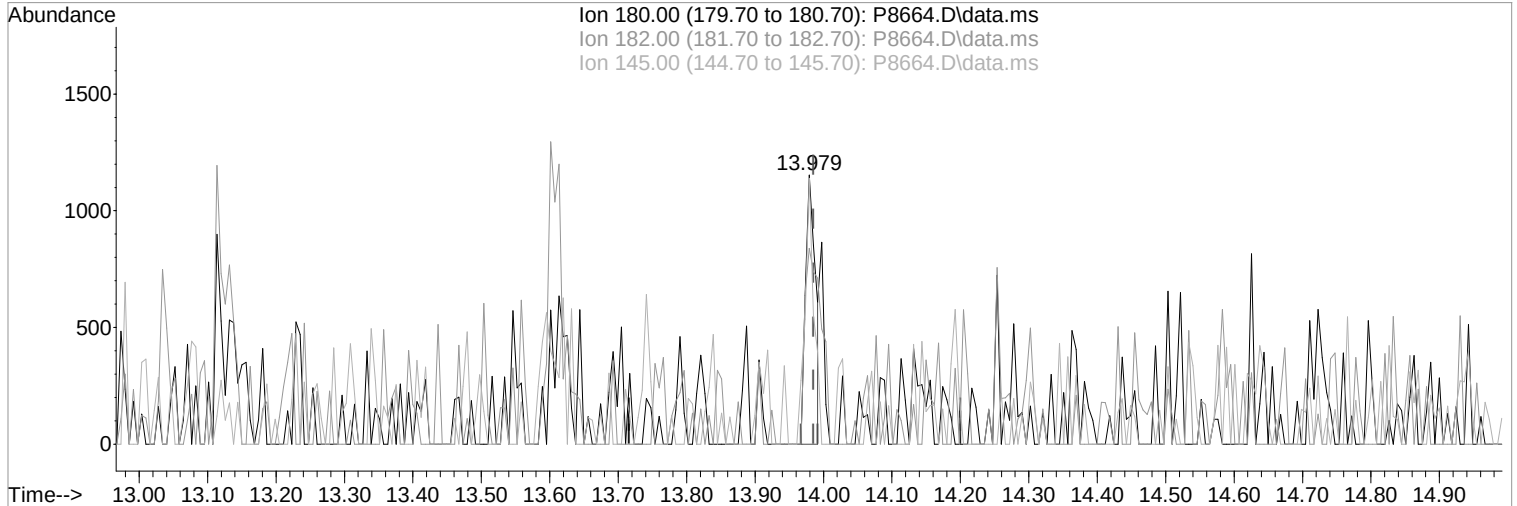
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8664.D
Acq On : 24 Mar 2017 2:41 pm
Operator : K.Ruest
Sample : R1702494-007|1.0
Misc : VERINA 8260 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 15:20:45 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8664.D\data.ms

(118) 1,2,3-Tclbenzene

Manual Integration:

13.979min (-0.006) 0.18 ppb

Before

response 1189

Ion Exp% Act%

03/24/17

180.00 100 100

182.00 95.90 72.77#

145.00 31.80 98.79#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8664.D
 Acq On : 24 Mar 2017 2:41 pm
 Operator : K.Ruest
 Sample : R1702494-007|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 16:01:34 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

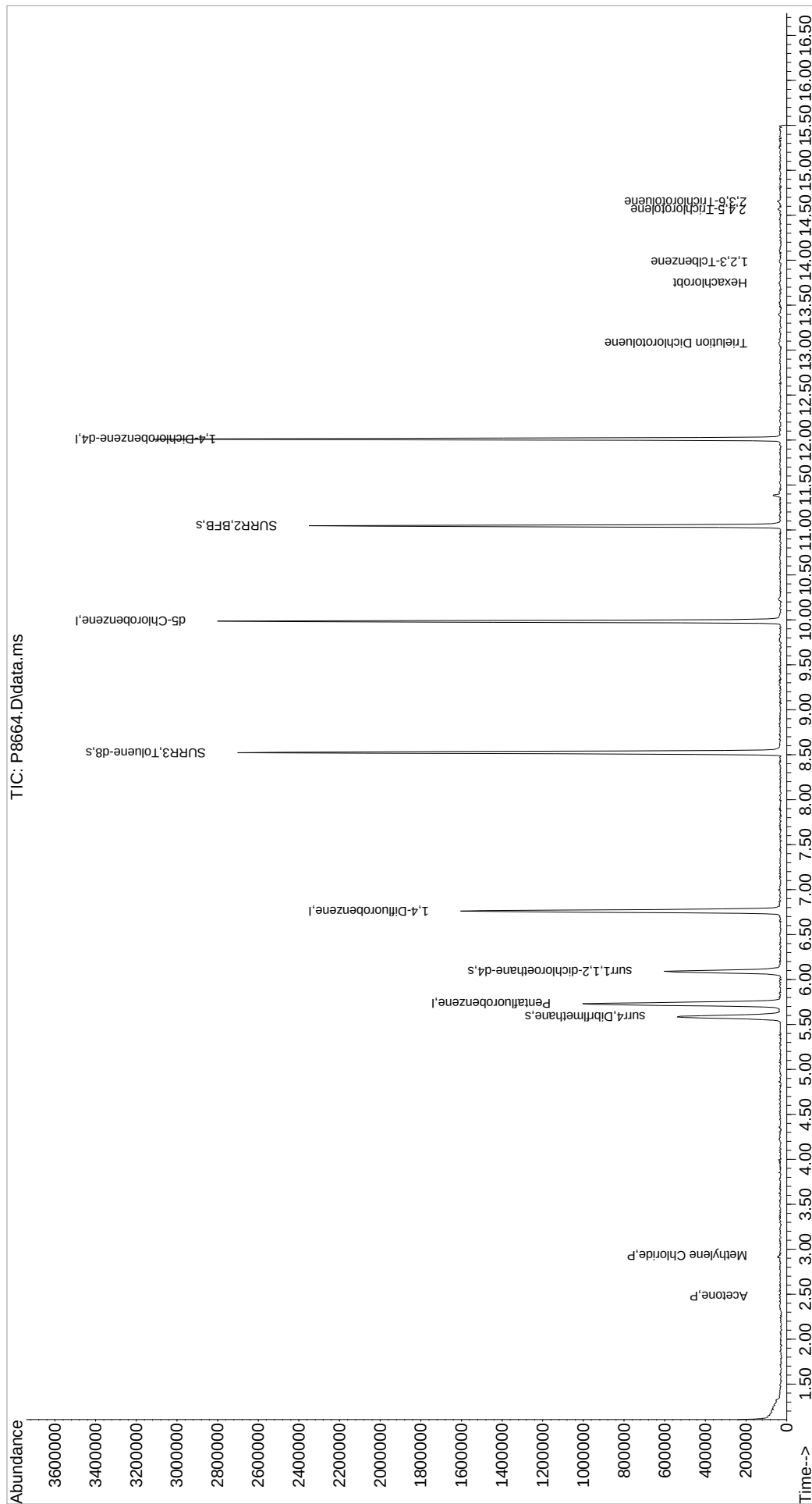
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	813325	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1311709	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1201470	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	598867	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	377998	53.40	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	106.80%	
48) surr1,1,2-dichloroetha...	6.090	65	438713	55.83	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	111.66%	
65) SURR3,Toluene-d8	8.523	98	1592008	54.40	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	108.80%	
70) SURR2,BFB	11.047	95	574097	50.63	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	101.26%	
Target Compounds						
15) Acetone	2.481	43	1590	1.33	ppb	Qvalue 94
22) Methylene Chloride	2.926	84	3987	0.63	ppb	# 34
112) Trielution Dichlorotol...	13.077	125	2350	0.23	ppb	# 64
116) Hexachlorobt	13.747	225	1553	0.43	ppb	# 18
118) 1,2,3-Tclbenzene	13.979	180	1567m	0.24	ppb	
119) 2,4,5-Trichlorotolene	14.564	159	2793	0.55	ppb	# 84
120) 2,3,6-Trichlorotoluene	14.650	159	2481	0.59	ppb	# 75

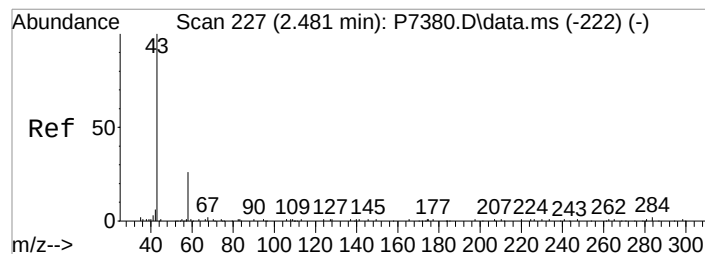
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8664.D
 Acq On : 24 Mar 2017 2:41 pm
 Operator : K.Ruest
 Sample : R1702494-007|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSV0A-12

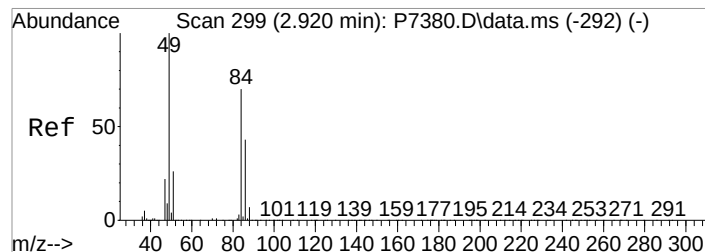
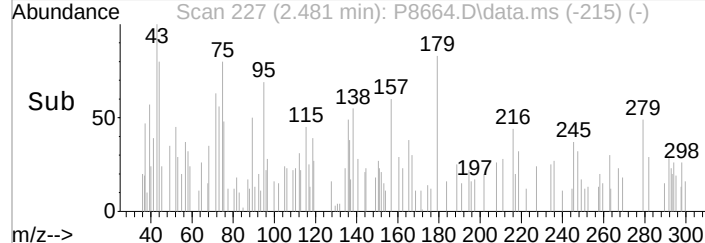
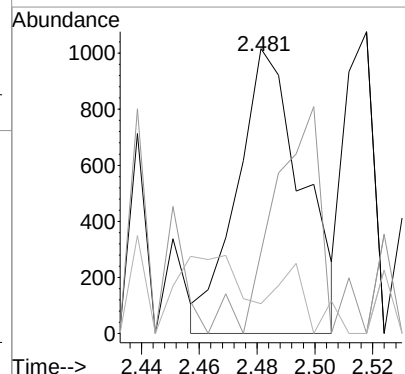
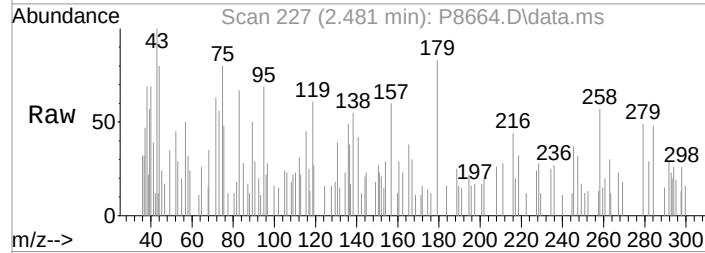
Quant Time: Mar 24 16:01:34 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration





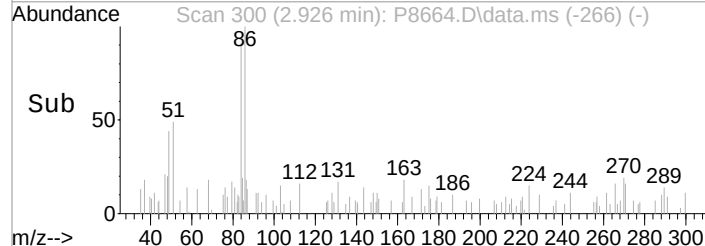
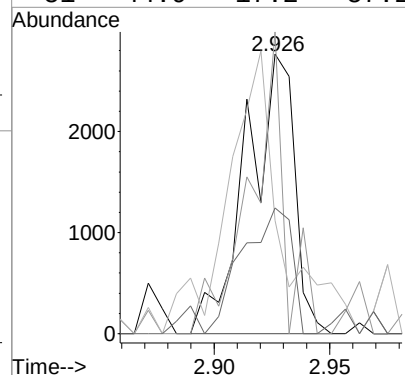
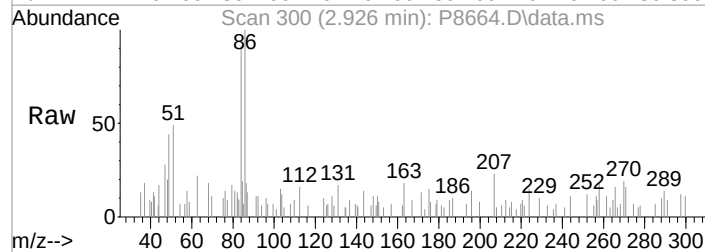
#15
 Acetone
 Concen: 1.33 ppb
 RT: 2.481 min Scan# 227
 Delta R.T. 0.000 min
 Lab File: P8664.D
 Acq: 24 Mar 2017 2:41 pm

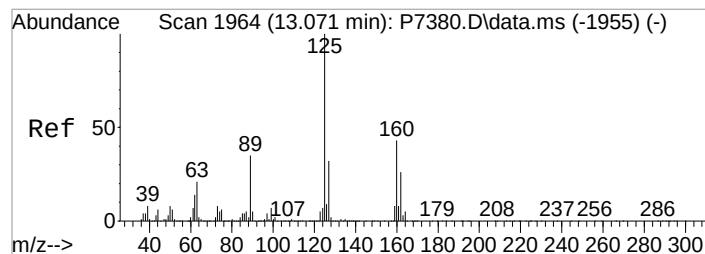
Tgt Ion:	43	Resp:	1590
Ion Ratio		Lower	Upper
43	100		
58	28.5	6.2	46.2
42	10.5	0.0	26.9



#22
 Methylene Chloride
 Concen: 0.63 ppb
 RT: 2.926 min Scan# 300
 Delta R.T. 0.006 min
 Lab File: P8664.D
 Acq: 24 Mar 2017 2:41 pm

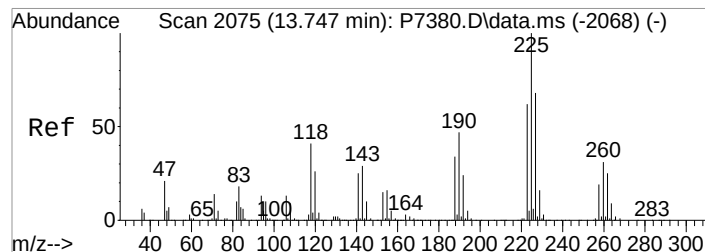
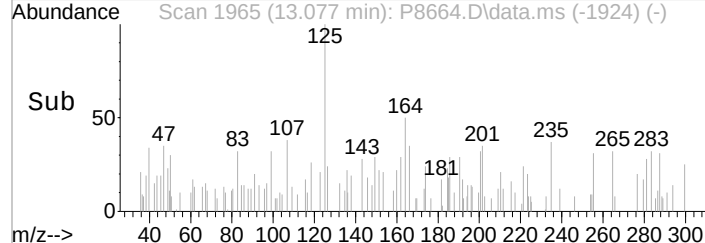
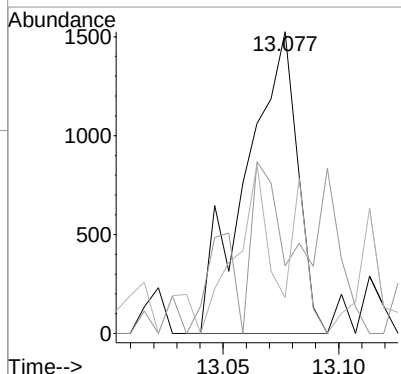
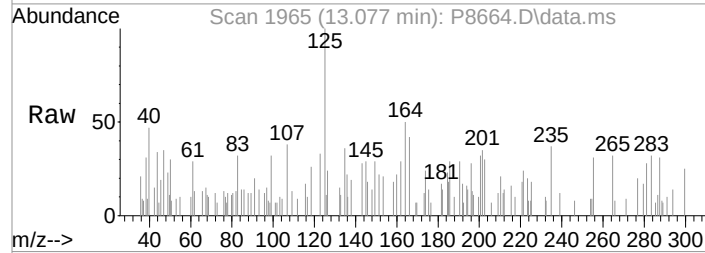
Tgt Ion:	84	Resp:	3987
Ion Ratio		Lower	Upper
84	100		
86	108.0	41.5	81.5#
49	40.5	122.0	162.0#
51	44.9	17.2	57.2





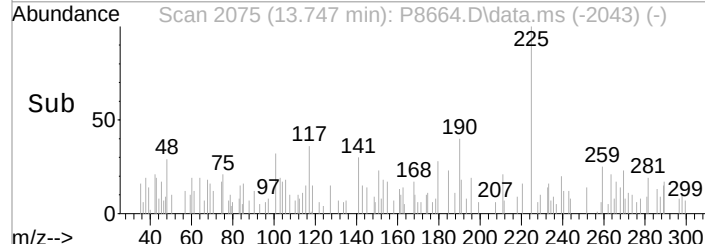
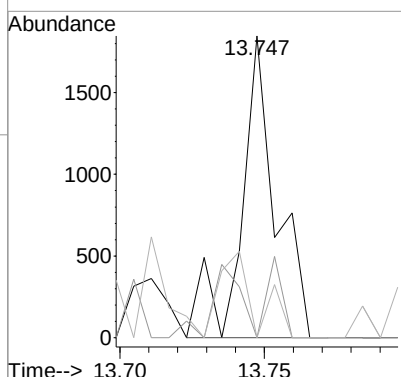
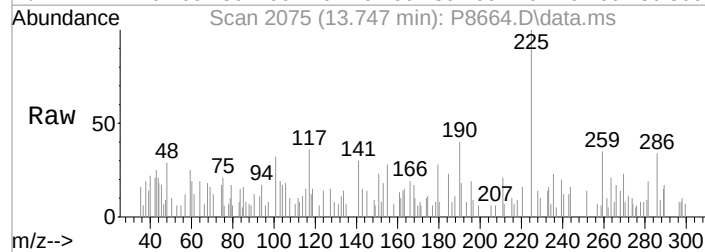
#112
 Trielution Dichlorotoluene
 Concen: 0.23 ppb
 RT: 13.077 min Scan# 1965
 Delta R.T. 0.000 min
 Lab File: P8664.D
 Acq: 24 Mar 2017 2:41 pm

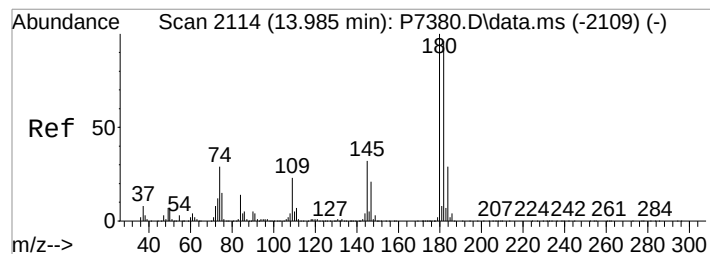
Tgt Ion:	125	Resp:	2350
Ion Ratio		Lower	Upper
125	100		
160	22.4	34.6	51.8#
89	11.9	28.0	42.0#



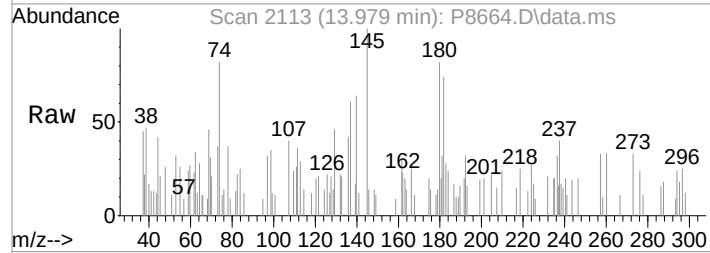
#116
 Hexachlorobut
 Concen: 0.43 ppb
 RT: 13.747 min Scan# 2075
 Delta R.T. 0.000 min
 Lab File: P8664.D
 Acq: 24 Mar 2017 2:41 pm

Tgt Ion:	225	Resp:	1553
Ion Ratio		Lower	Upper
225	100		
223	0.0	42.2	82.2#
227	0.0	47.7	87.7#

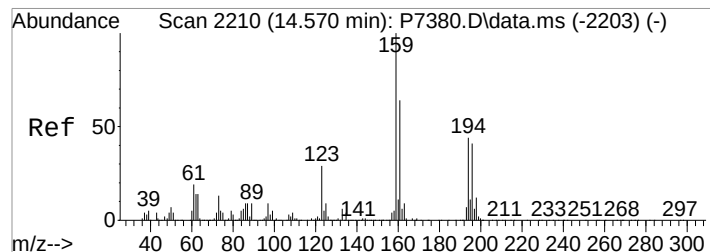
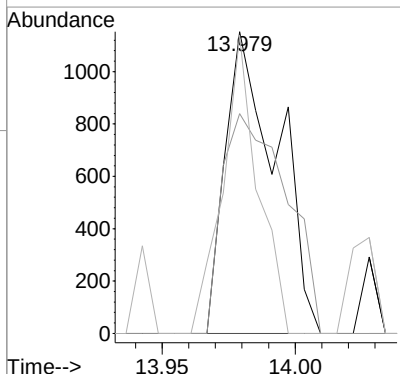
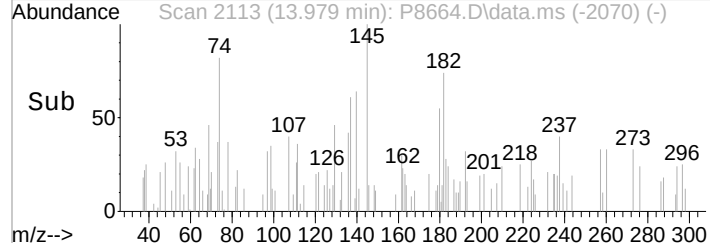




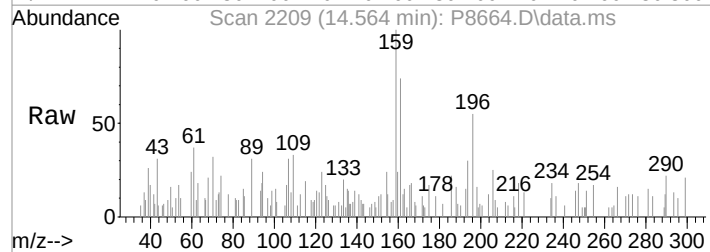
#118
 1,2,3-Tclbenzene
 Concen: 0.24 ppb m
 RT: 13.979 min Scan# 2113
 Delta R.T. -0.006 min
 Lab File: P8664.D
 Acq: 24 Mar 2017 2:41 pm



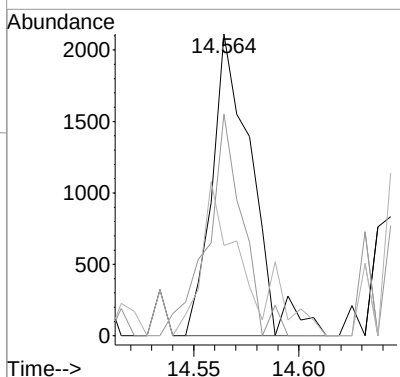
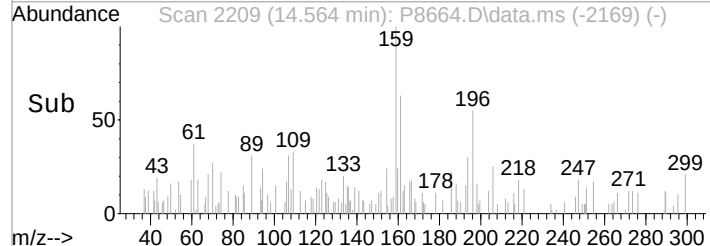
Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	90.3	75.9	115.9	
145	122.6	11.8	51.8#	

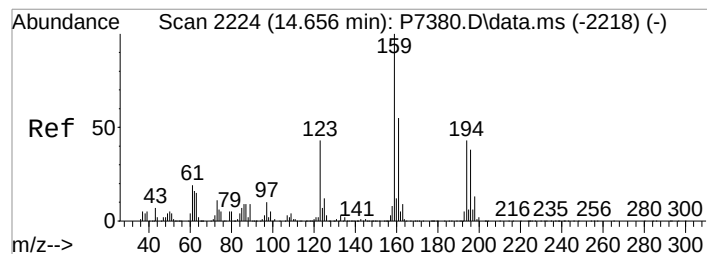


#119
 2,4,5-Trichlorotolene
 Concen: 0.55 ppb
 RT: 14.564 min Scan# 2209
 Delta R.T. -0.006 min
 Lab File: P8664.D
 Acq: 24 Mar 2017 2:41 pm

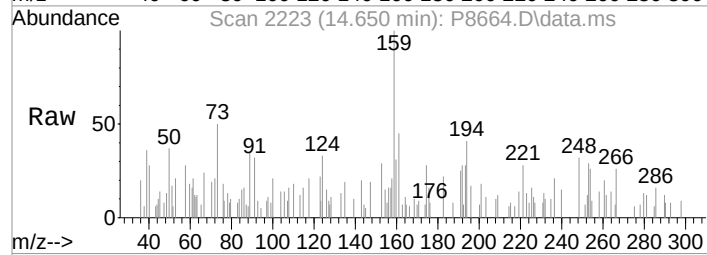


Tgt Ion	Ratio	Resp	Lower	Upper
159	100			
161	59.2	51.0	76.4	
194	24.1	35.4	53.2#	

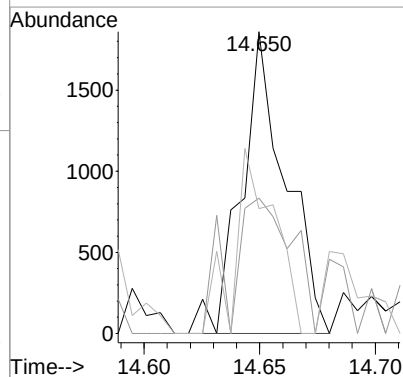
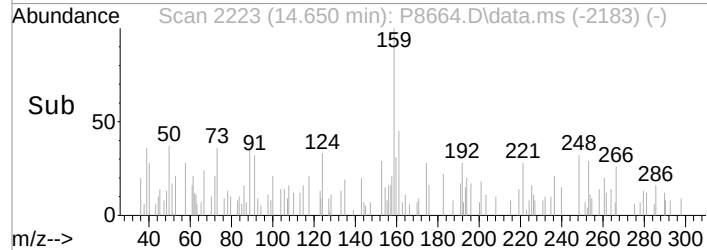




#120
 2,3,6-Trichlorotoluene
 Concen: 0.59 ppb
 RT: 14.650 min Scan# 2223
 Delta R.T. -0.006 min
 Lab File: P8664.D
 Acq: 24 Mar 2017 2:41 pm



Tgt Ion:	159	Resp:	2481
Ion Ratio		Lower	Upper
159	100		
161	34.1	44.3	66.5#
194	31.5	34.8	52.2#



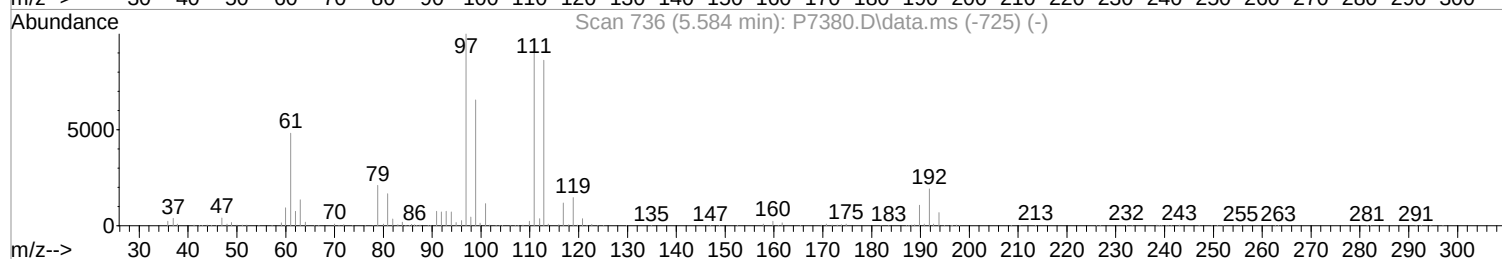
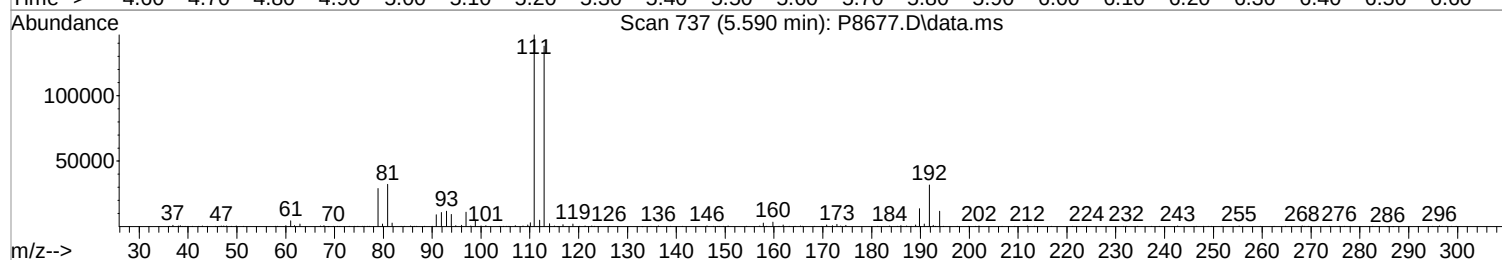
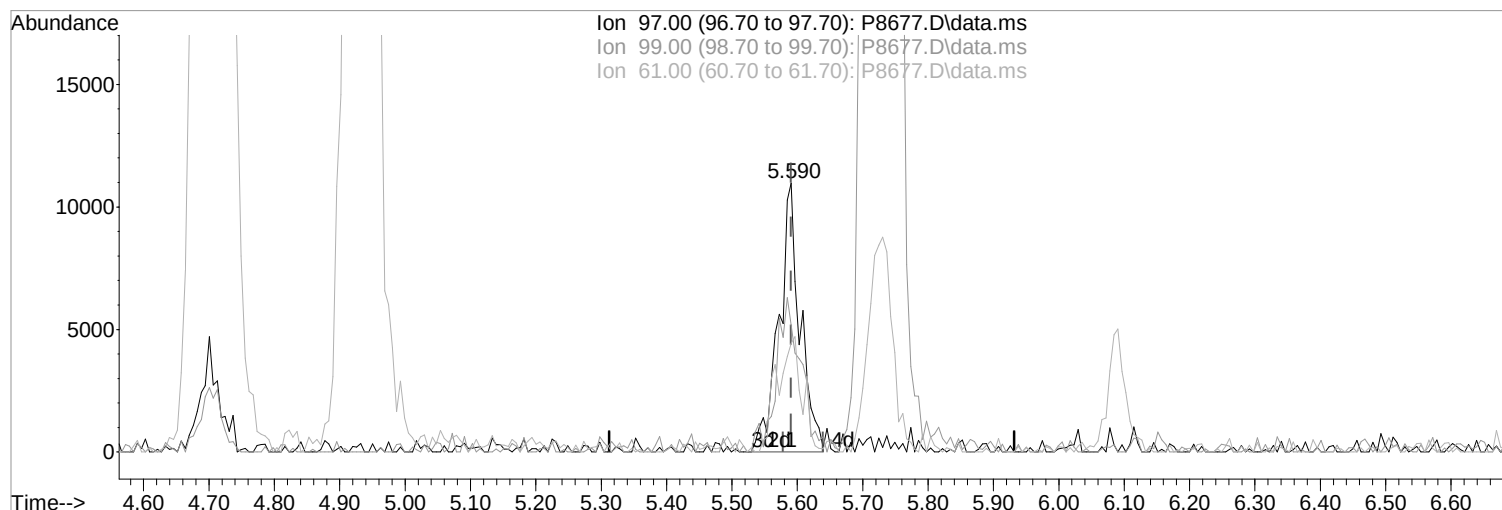
Quantitation Report (Qedit)

1st *KR* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8677.D
Acq On : 24 Mar 2017 9:12 pm
Operator : K.Ruest
Sample : R1702494-008|1.0
Misc : VERINA 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:10:04 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8677.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.590min (+0.000) 2.72 ppb m

response 24788

Ion	Exp%	Act%
97.00	100	100
99.00	65.50	47.15
61.00	48.10	40.34
0.00	0.00	0.00

Manual Integration:

After

Split Peak

03/27/17

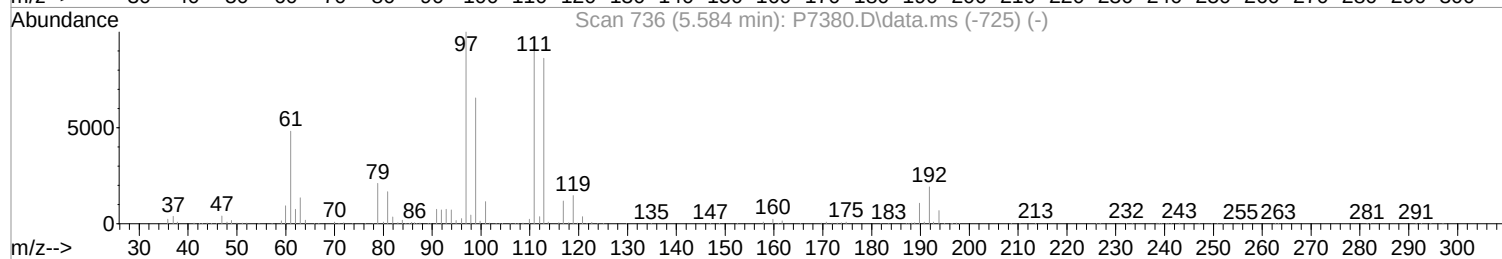
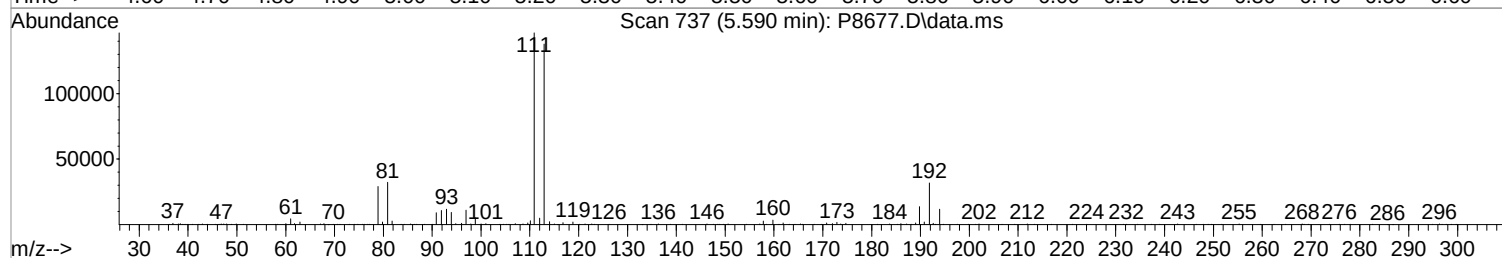
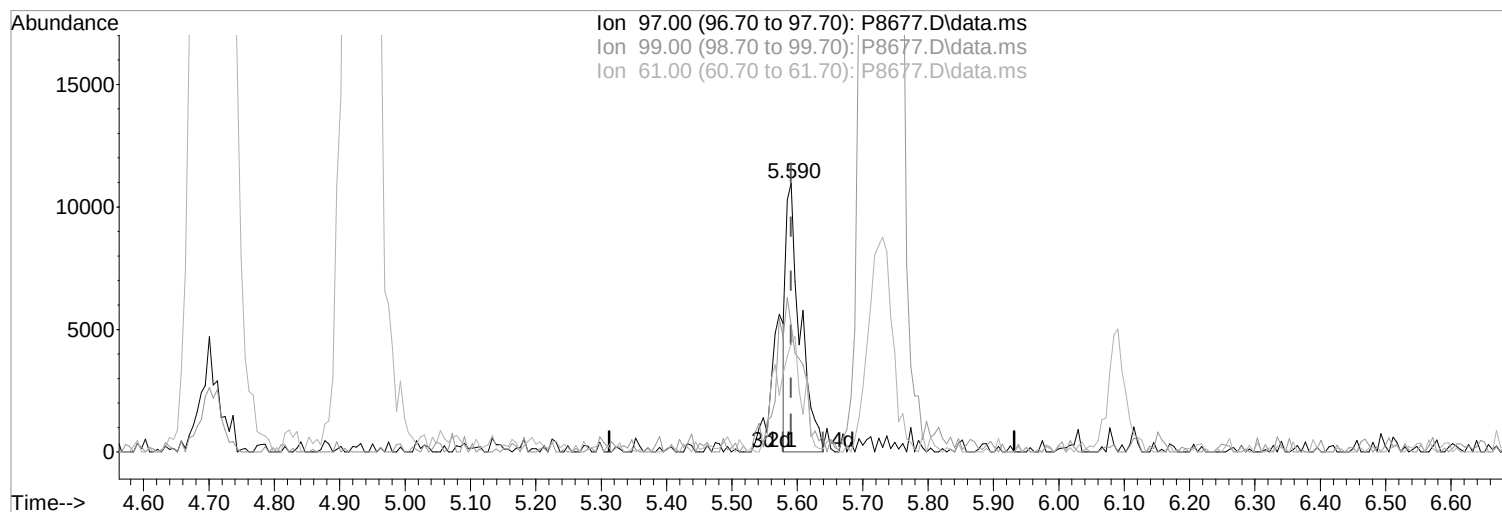
Quantitation Report (Qedit)

1st *KR* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8677.D
Acq On : 24 Mar 2017 9:12 pm
Operator : K.Ruest
Sample : R1702494-008|1.0
Misc : VERINA 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:10:04 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8677.D\data.ms

(41) 1,1,1-Trichloroethane (P)

Manual Integration:

5.590min (+0.000) 1.83 ppb

Before

response 16684

Ion	Exp%	Act%
97.00	100	100
99.00	65.50	47.15
61.00	48.10	40.34
0.00	0.00	0.00

03/27/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8677.D
 Acq On : 24 Mar 2017 9:12 pm
 Operator : K.Ruest
 Sample : R1702494-008|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:35:41 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

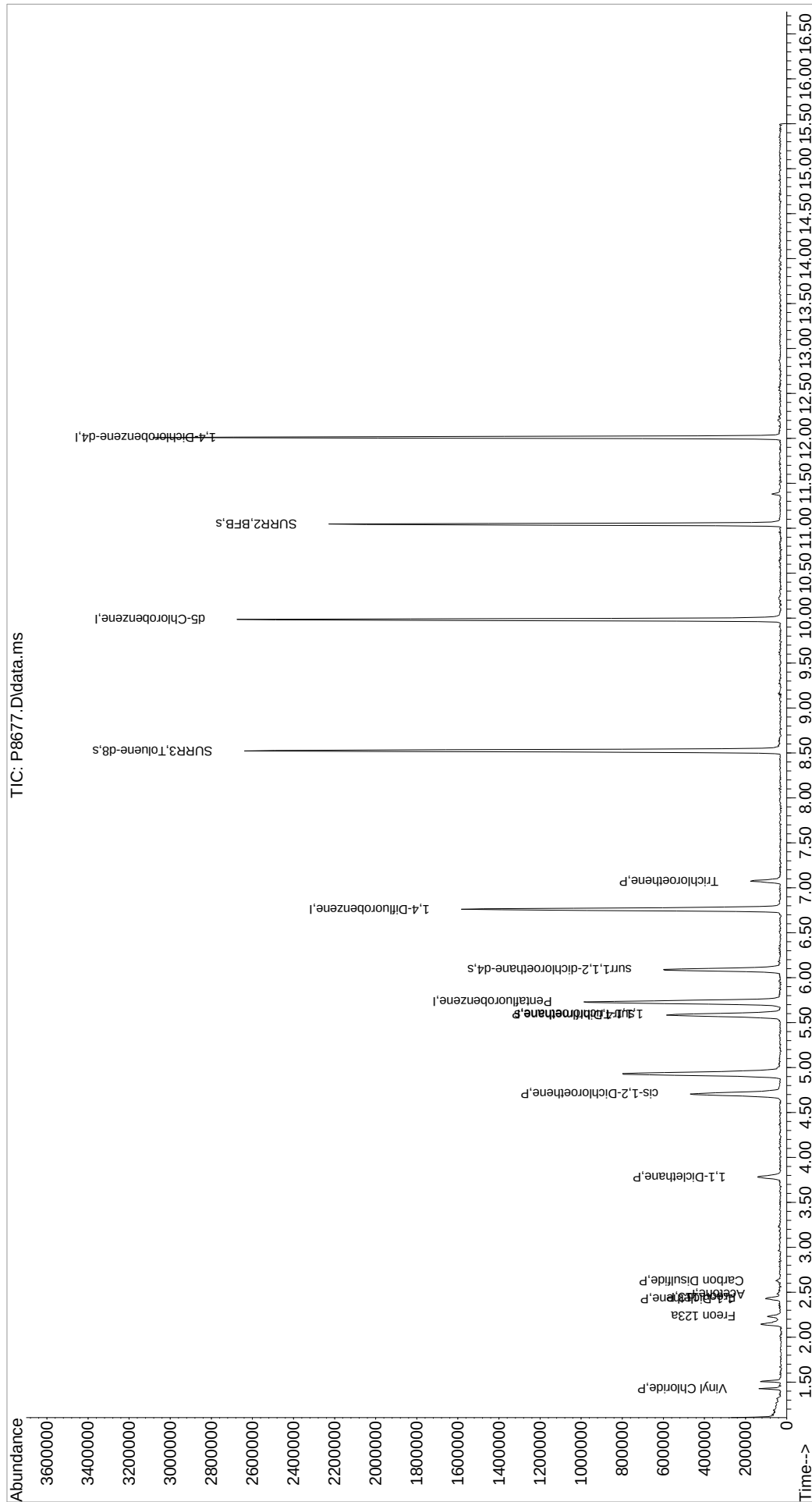
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	777358	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1300663	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1194441	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	577560	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	375933	53.56	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	107.12%	
48) surr1,1,2-dichloroetha...	6.090	65	453785	58.23	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	116.46%	
65) SURR3,Toluene-d8	8.523	98	1595081	54.97	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	109.94%	
70) SURR2,BFB	11.047	95	558846	49.70	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	99.40%	
Target Compounds						
4) Vinyl Chloride	1.427	62	65170	8.68	ppb	Qvalue 96
10) Freon 123a	2.231	67	21196	3.59	ppb	98
13) 1,1-Dicethene	2.426	96	10346	1.88	ppb	# 73
14) Freon 113	2.439	101	17170	2.89	ppb	94
15) Acetone	2.481	43	14127	12.37	ppb	91
18) Carbon Disulfide	2.628	76	17303	1.03	ppb	90
28) 1,1-Dicethane	3.780	63	118213	11.06	ppb	90
34) cis-1,2-Dichloroethene	4.706	96	271461	39.94	ppb	83
41) 1,1,1-Trichloroethane	5.590	97	24788m	2.72	ppb	
54) Trichloroethene	7.072	130	48925	7.29	ppb	95

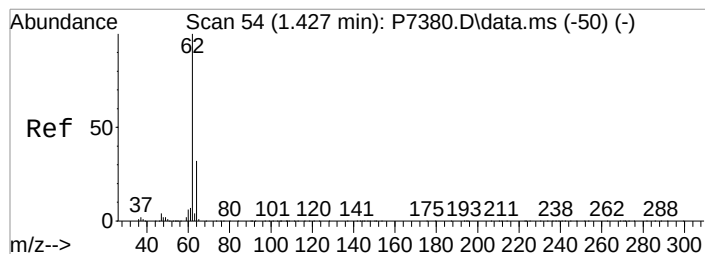
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8677.D
 Acq On : 24 Mar 2017 9:12 pm
 Operator : K.Ruest
 Sample : R1702494-008|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSV0A-12

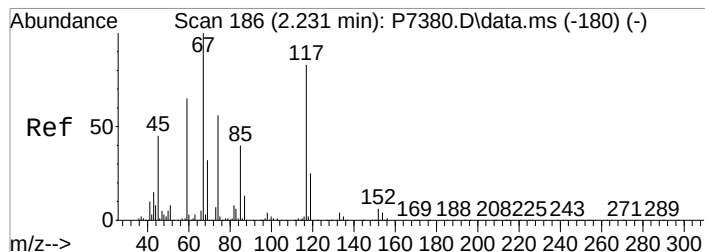
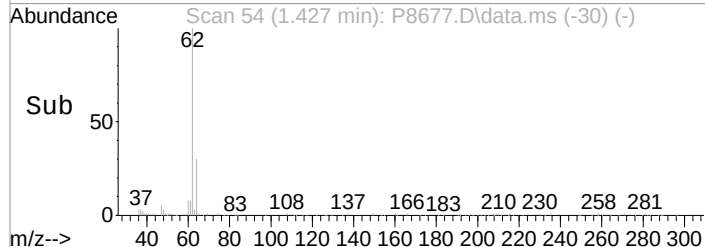
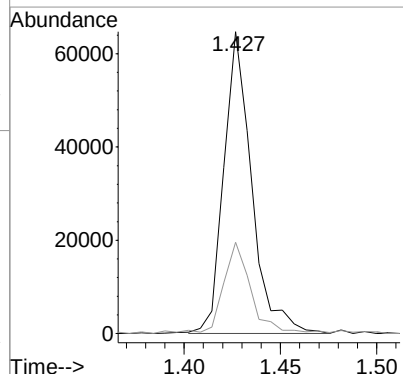
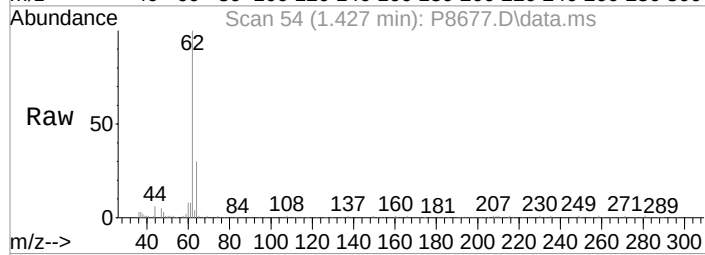
Quant Time: Mar 27 11:35:41 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration





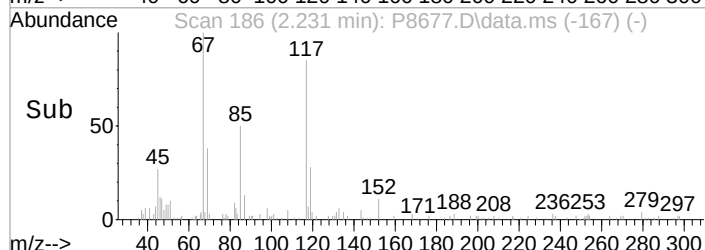
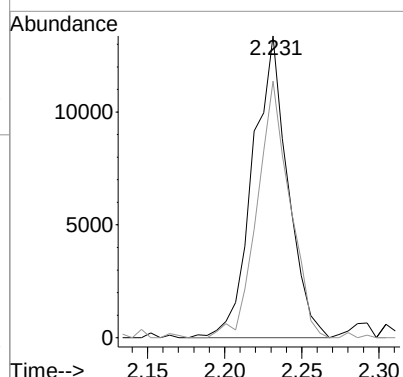
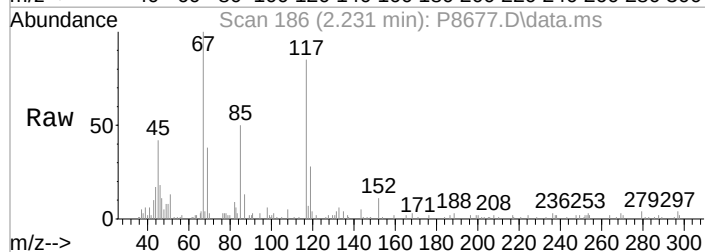
#4
 Vinyl Chloride
 Concen: 8.68 ppb
 RT: 1.427 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: P8677.D
 Acq: 24 Mar 2017 9:12 pm

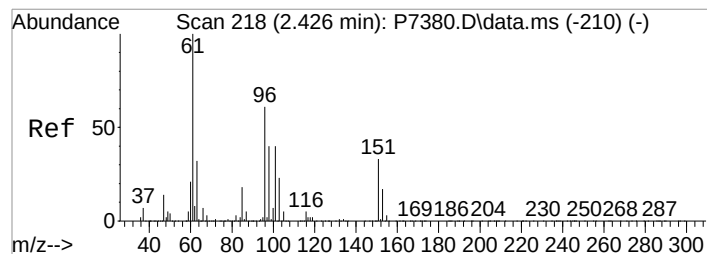
Tgt Ion: 62 Resp: 65170
 Ion Ratio Lower Upper
 62 100
 64 30.2 12.3 52.3



#10
 Freon 123a
 Concen: 3.59 ppb
 RT: 2.231 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: P8677.D
 Acq: 24 Mar 2017 9:12 pm

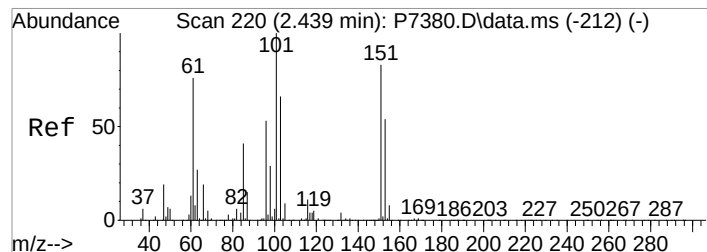
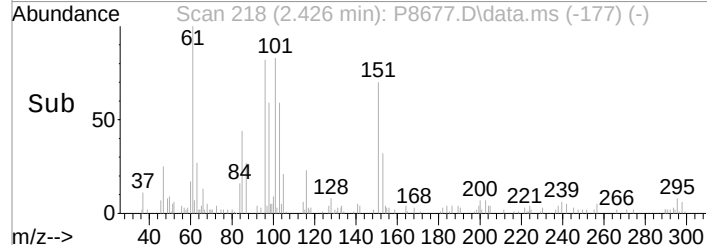
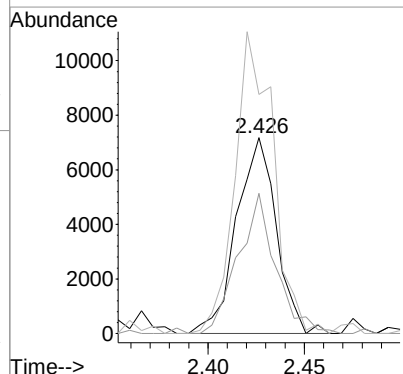
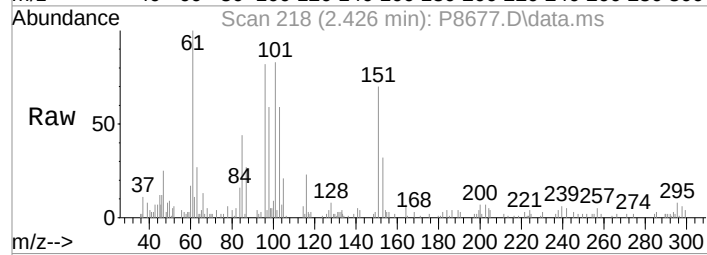
Tgt Ion: 67 Resp: 21196
 Ion Ratio Lower Upper
 67 100
 117 85.0 63.4 103.4





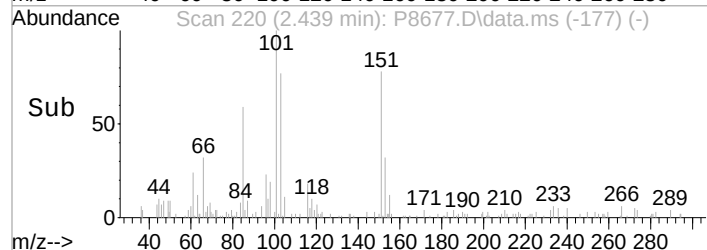
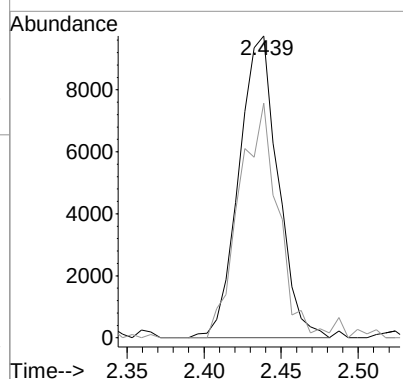
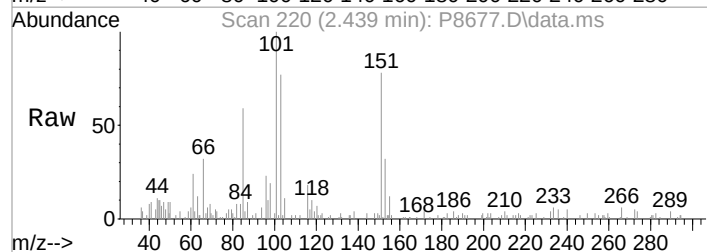
#13
1,1-Dicloroethene
Concen: 1.88 ppb
RT: 2.426 min Scan# 218
Delta R.T. 0.000 min
Lab File: P8677.D
Acq: 24 Mar 2017 9:12 pm

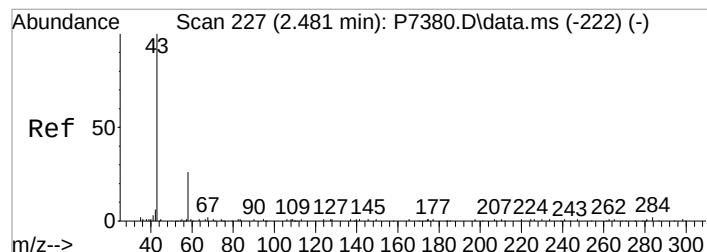
Tgt Ion: 96 Resp: 10346
Ion Ratio Lower Upper
96 100
98 77.9 44.9 84.9
61 122.1 144.2 184.2#



#14
Freon 113
Concen: 2.89 ppb
RT: 2.439 min Scan# 220
Delta R.T. 0.006 min
Lab File: P8677.D
Acq: 24 Mar 2017 9:12 pm

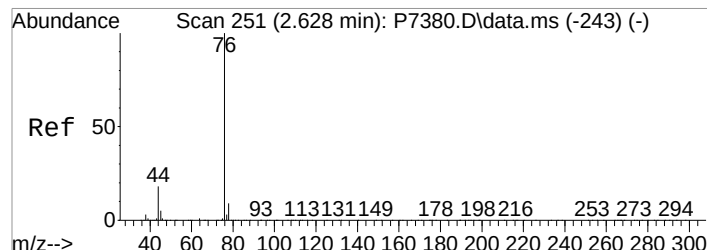
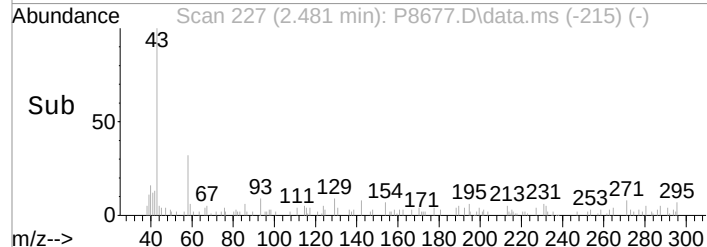
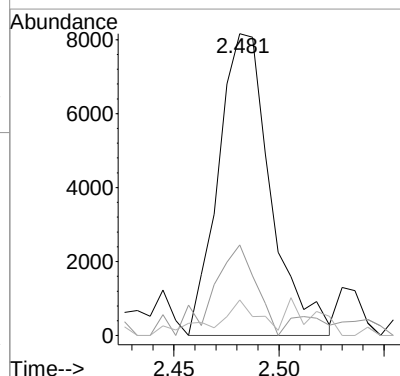
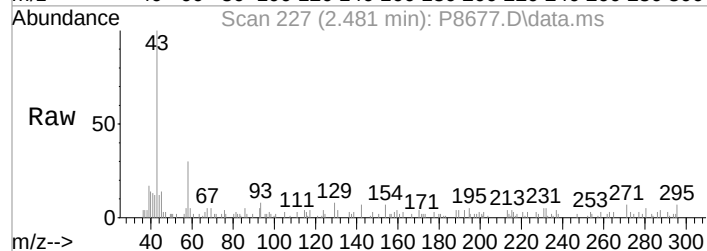
Tgt Ion: 101 Resp: 17170
Ion Ratio Lower Upper
101 100
151 77.7 63.3 103.3





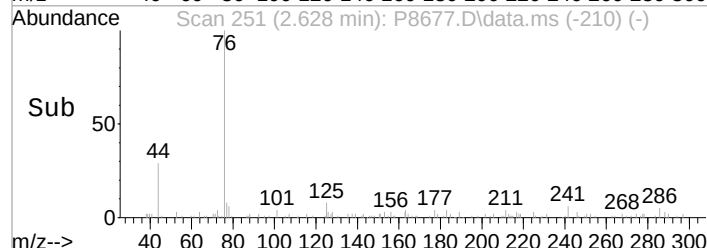
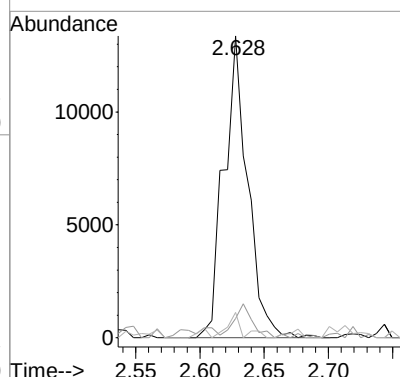
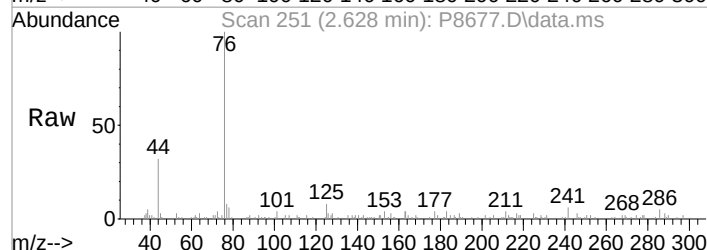
#15
Acetone
Concen: 12.37 ppb
RT: 2.481 min Scan# 227
Delta R.T. 0.000 min
Lab File: P8677.D
Acq: 24 Mar 2017 9:12 pm

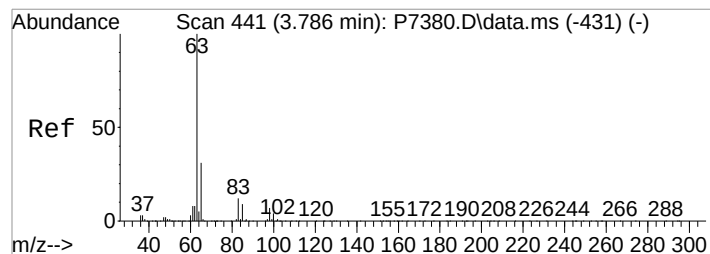
Tgt Ion:	43	Resp:	14127
Ion Ratio		Lower	Upper
43	100		
58	30.0	6.2	46.2
42	11.8	0.0	26.9



#18
Carbon Disulfide
Concen: 1.03 ppb
RT: 2.628 min Scan# 251
Delta R.T. -0.006 min
Lab File: P8677.D
Acq: 24 Mar 2017 9:12 pm

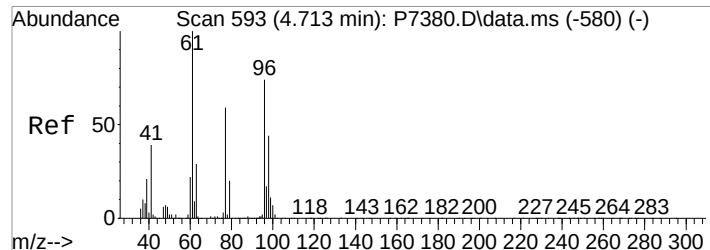
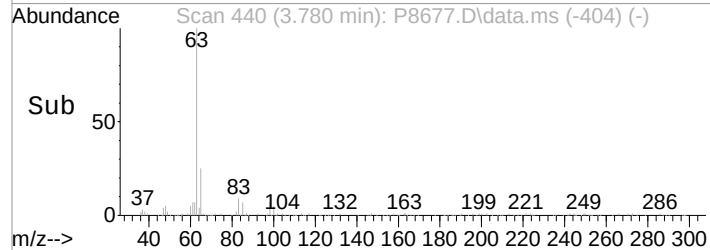
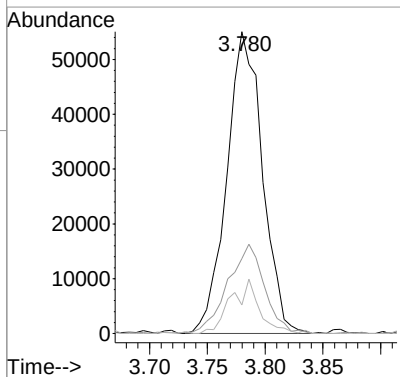
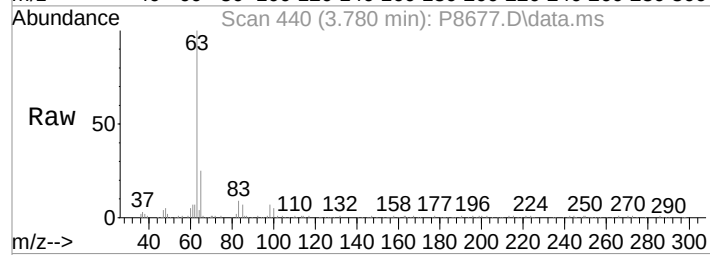
Tgt Ion:	76	Resp:	17303
Ion Ratio		Lower	Upper
76	100		
78	6.4	0.0	29.5
77	8.4	0.0	22.7





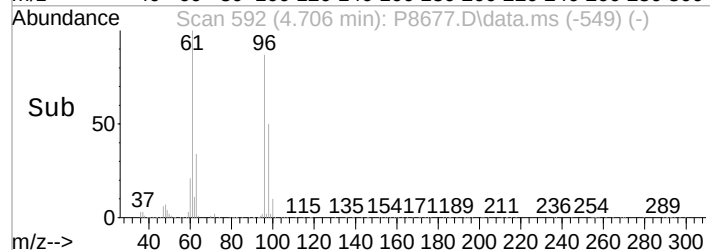
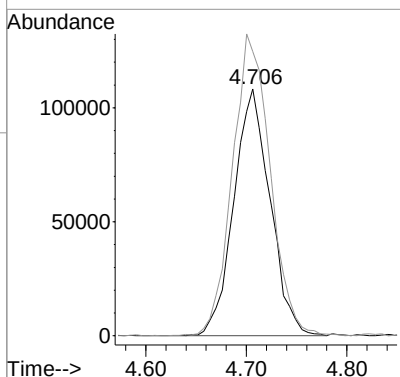
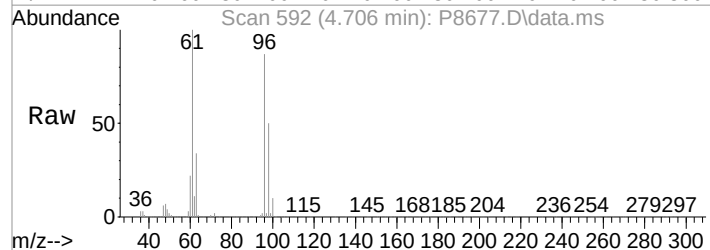
#28
1,1-Dicethane
Concen: 11.06 ppb
RT: 3.780 min Scan# 440
Delta R.T. -0.006 min
Lab File: P8677.D
Acq: 24 Mar 2017 9:12 pm

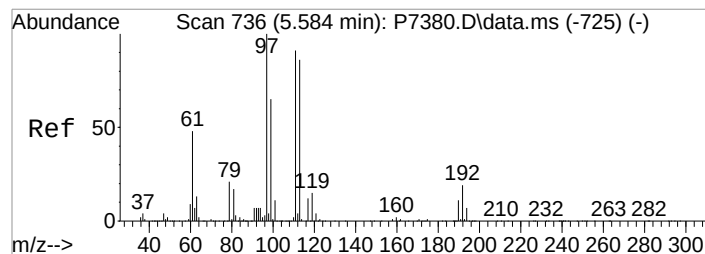
Tgt Ion: 63 Resp: 118213
Ion Ratio Lower Upper
63 100
65 24.8 10.8 50.8
83 9.4 0.0 32.1



#34
cis-1,2-Dichloroethene
Concen: 39.94 ppb
RT: 4.706 min Scan# 592
Delta R.T. 0.000 min
Lab File: P8677.D
Acq: 24 Mar 2017 9:12 pm

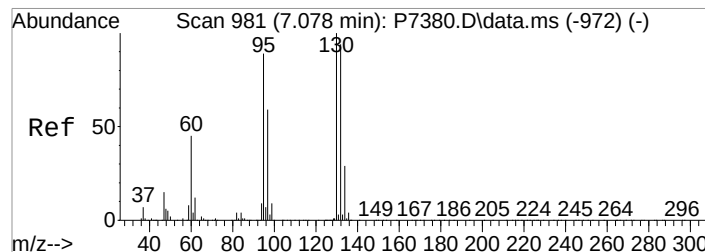
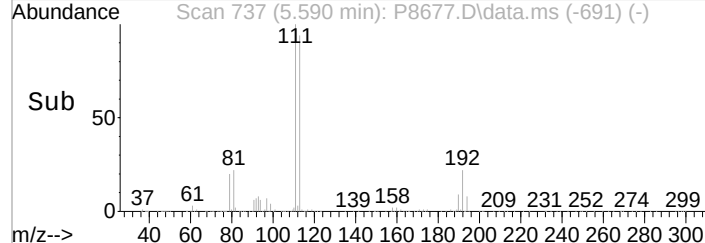
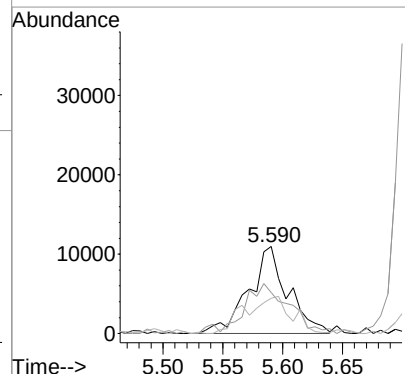
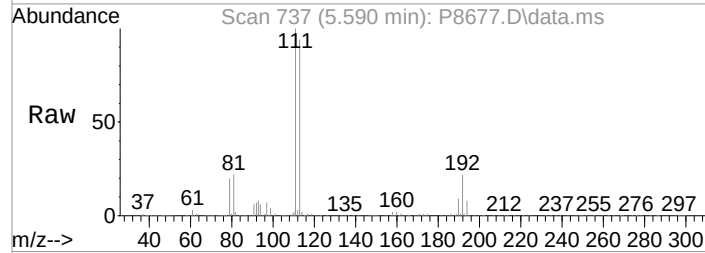
Tgt Ion: 96 Resp: 271461
Ion Ratio Lower Upper
96 100
61 115.1 114.8 154.8





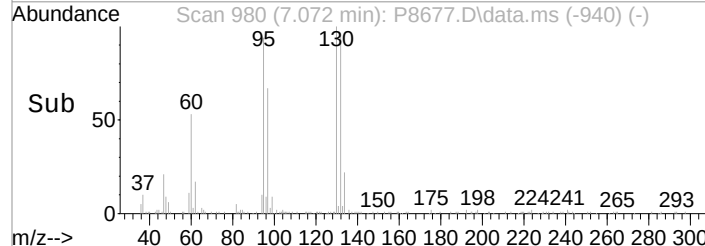
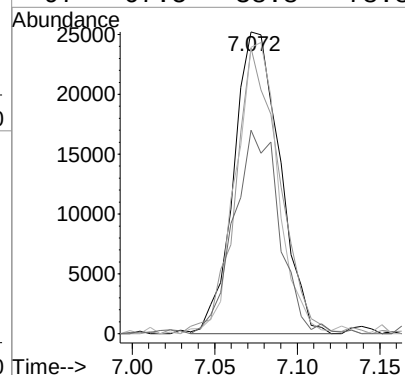
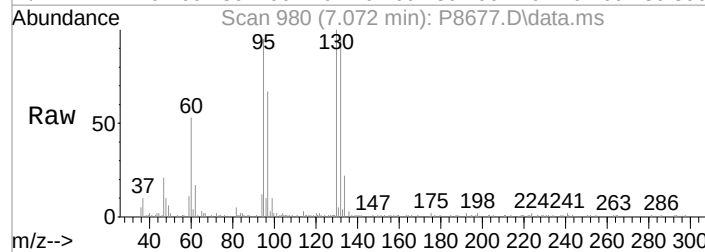
#41
 1,1,1-Trichloroethane
 Concen: 2.72 ppb m
 RT: 5.590 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: P8677.D
 Acq: 24 Mar 2017 9:12 pm

Tgt Ion:	97	Resp:	24788
Ion Ratio		Lower	Upper
97	100		
99	47.2	45.5	85.5
61	40.3	28.1	68.1



#54
 Trichloroethene
 Concen: 7.29 ppb
 RT: 7.072 min Scan# 980
 Delta R.T. -0.006 min
 Lab File: P8677.D
 Acq: 24 Mar 2017 9:12 pm

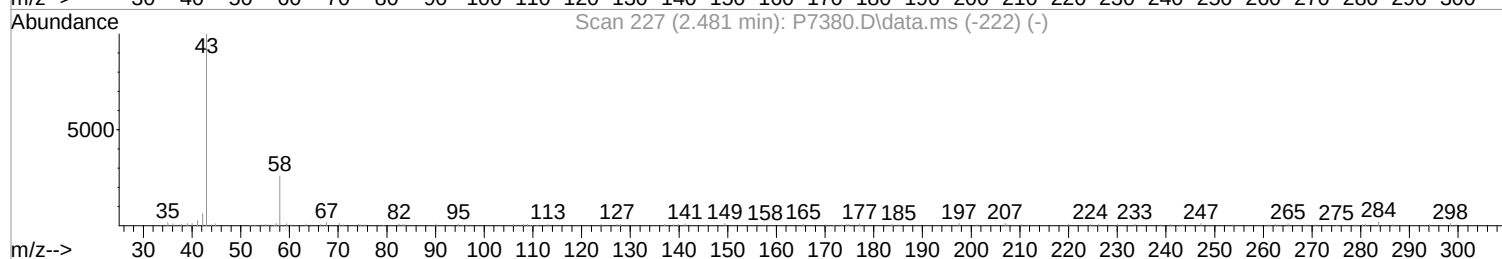
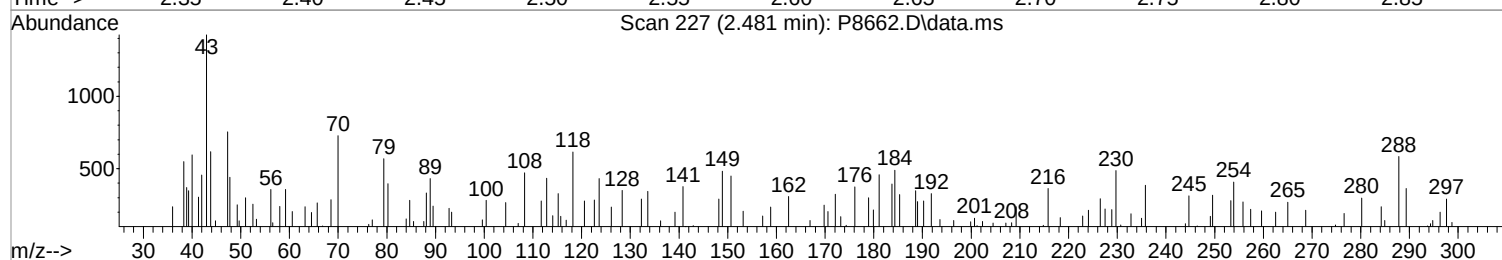
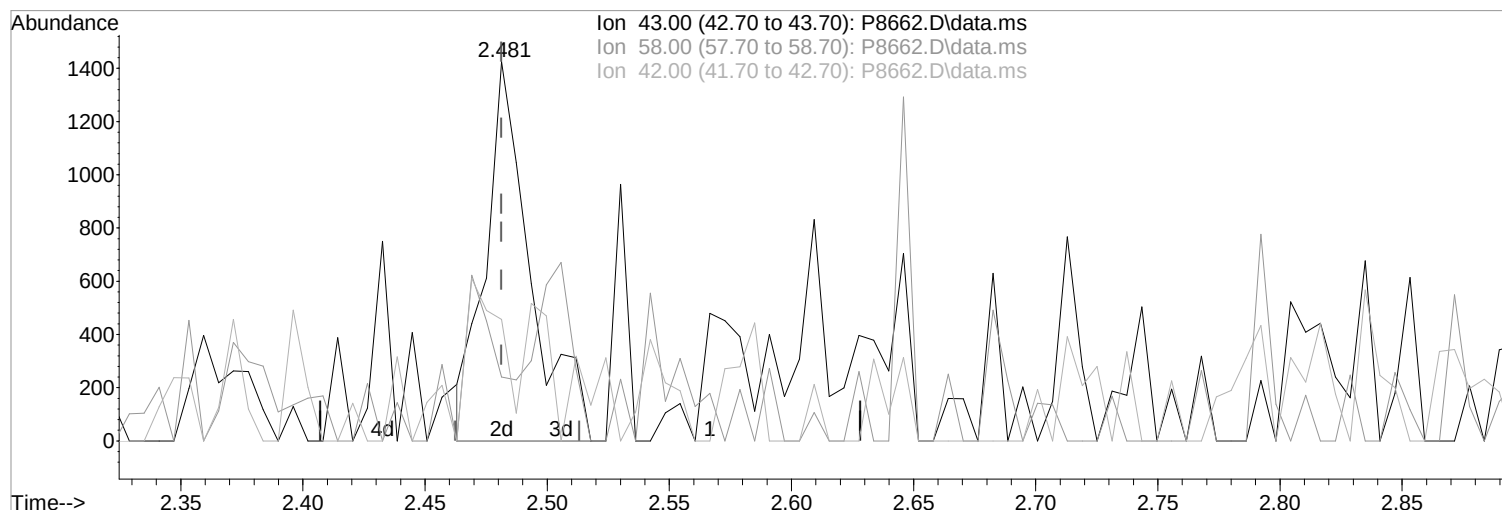
Tgt Ion:	130	Resp:	48925
Ion Ratio		Lower	Upper
130	100		
132	94.7	74.2	114.2
95	94.9	69.4	109.4
97	67.5	38.8	78.8



Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8662.D
Acq On : 24 Mar 2017 1:41 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:22 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8662.D\data.ms

(15) Acetone (P)

2.481min (+0.000) 1.52 ppb m

response 1815

Ion	Exp%	Act%
43.00	100	100
58.00	26.20	16.84
42.00	6.90	32.00#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

03/24/17

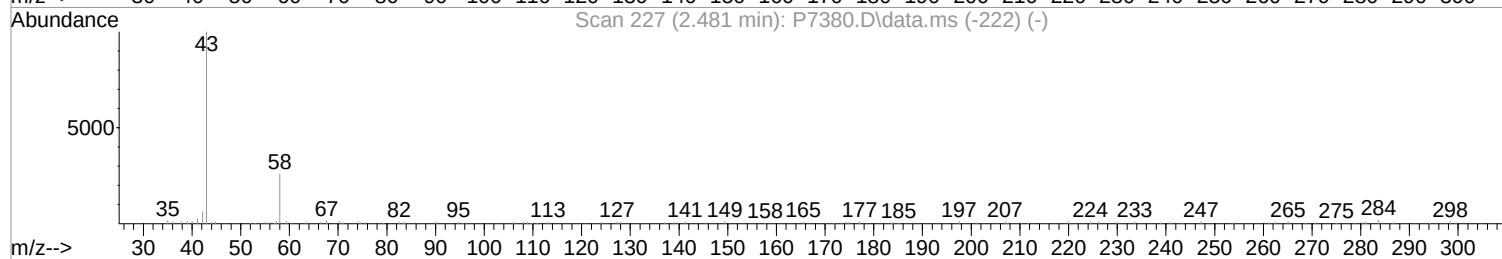
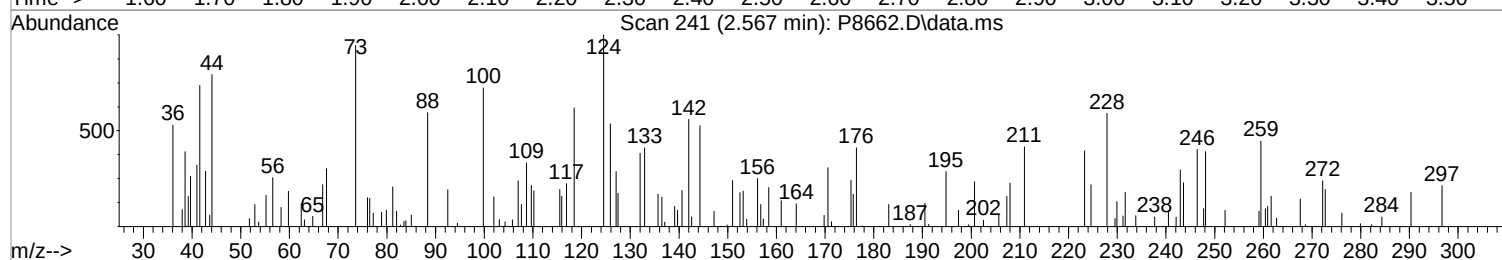
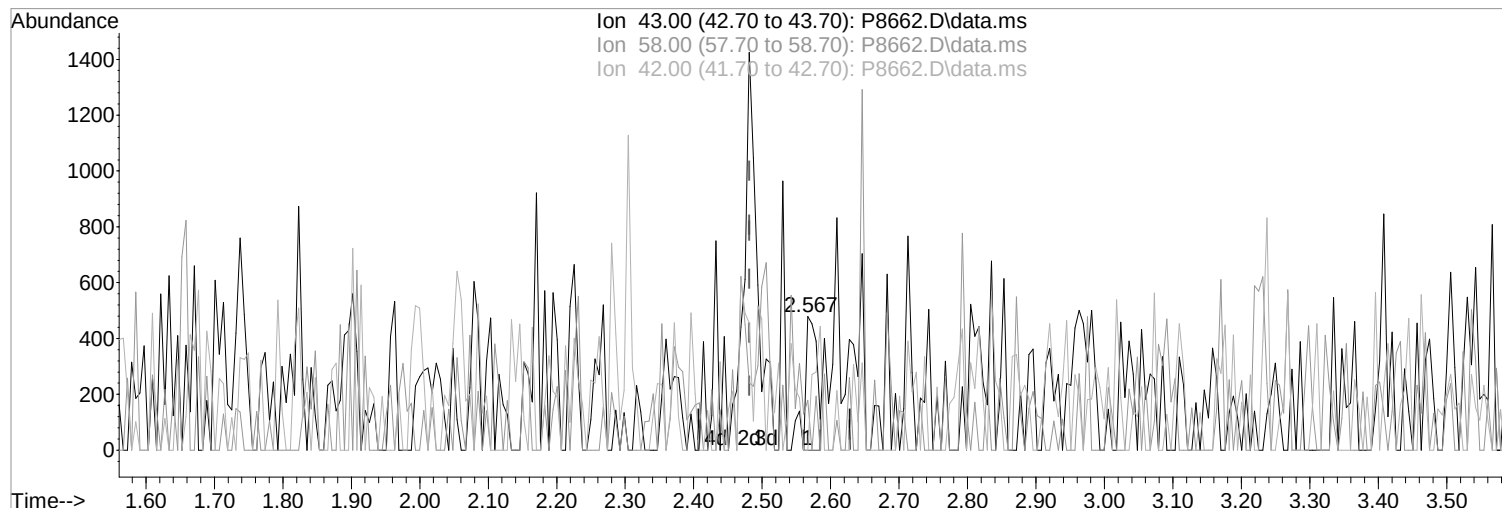
Quantitation Report (Qedit)

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8662.D
Acq On : 24 Mar 2017 1:41 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:22 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8662.D\data.ms

(15) Acetone (P)

2.567min (+0.086) 0.44 ppb

response 524

Ion	Exp%	Act%
43.00	100	100
58.00	26.20	37.37
42.00	6.90	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/24/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8662.D
 Acq On : 24 Mar 2017 1:41 pm
 Operator : K.Ruest
 Sample : VBLK
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 15:56:01 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

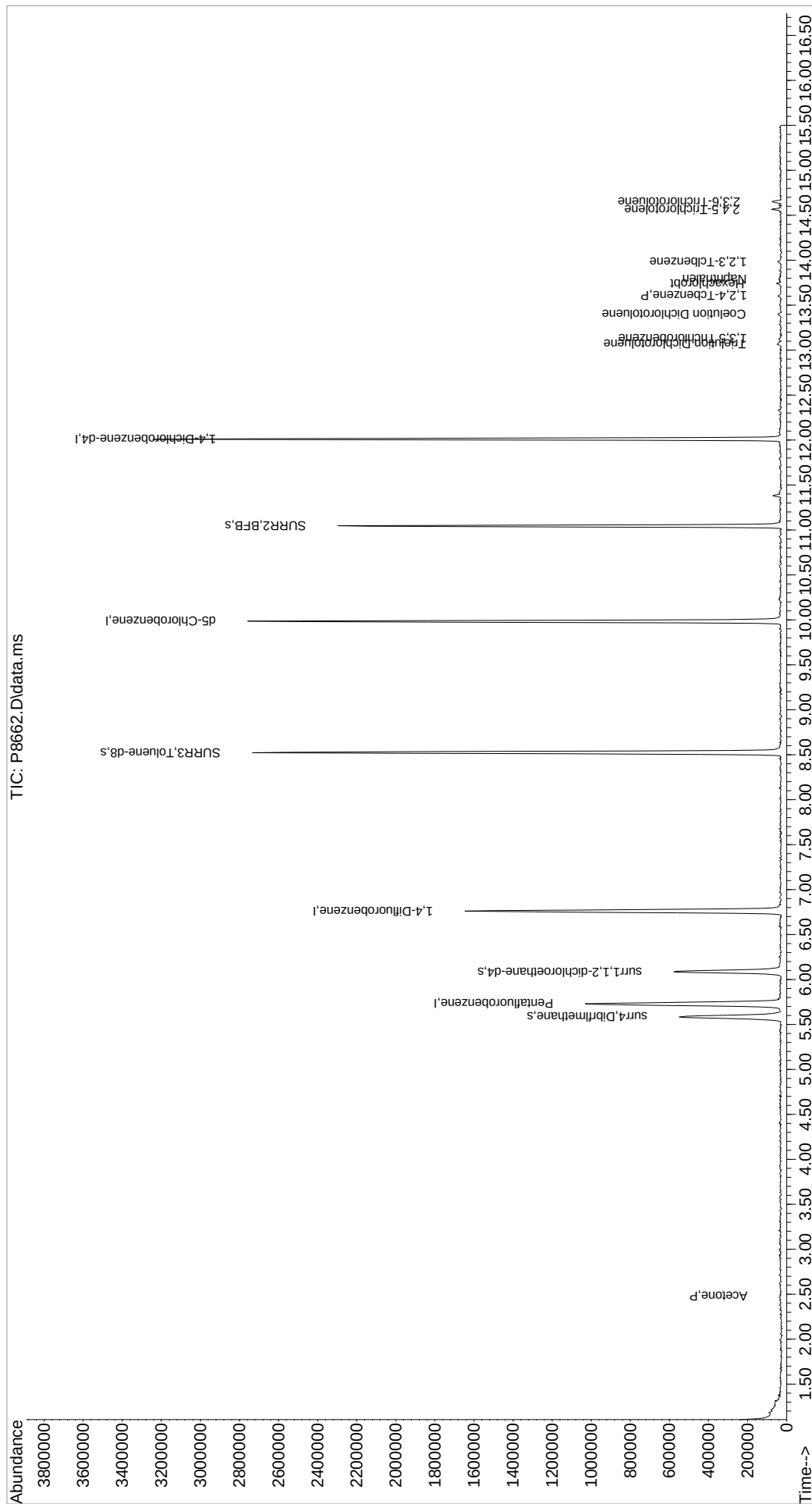
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	813734	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1315150	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1221134	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	610173	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	375563	52.92	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 105.84%			
48) surr1,1,2-dichloroetha...	6.084	65	442623	56.18	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 112.36%			
65) SURR3,Toluene-d8	8.523	98	1619421	55.19	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 110.38%			
70) SURR2,BFB	11.047	95	586921	51.62	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 103.24%			
Target Compounds						
15) Acetone	2.481	43	1815m	1.52	ppb	Qvalue
112) Trielution Dichlorotol...	13.071	125	6201	0.60	ppb	# 81
113) 1,3,5 Trichlorobenzene	13.126	180	2320	0.25	ppb	# 64
114) Coelution Dichlorotoluene	13.400	125	4241	0.38	ppb	# 62
115) 1,2,4-Tcbenzene	13.607	180	3122	0.39	ppb	# 77
116) Hexachlorobt	13.741	225	2507	0.69	ppb	# 75
117) Naphthalen	13.790	128	4343	0.29	ppb	# 86
118) 1,2,3-Tclbenzene	13.979	180	3134	0.47	ppb	# 64
119) 2,4,5-Trichlorotoluene	14.564	159	7863	1.53	ppb	# 85
120) 2,3,6-Trichlorotoluene	14.650	159	7494	1.75	ppb	# 87

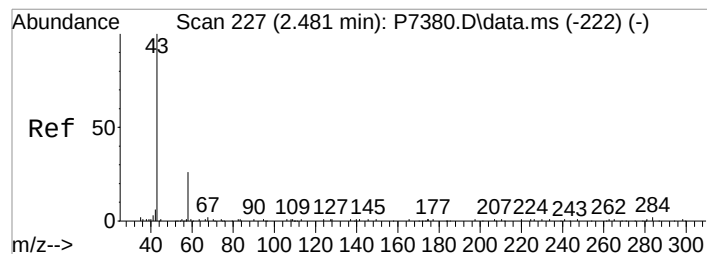
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8662.D
 Acq On : 24 Mar 2017 1:41 pm
 Operator : K.Ruest
 Sample : VBLK
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 Inst : MSV0A-12

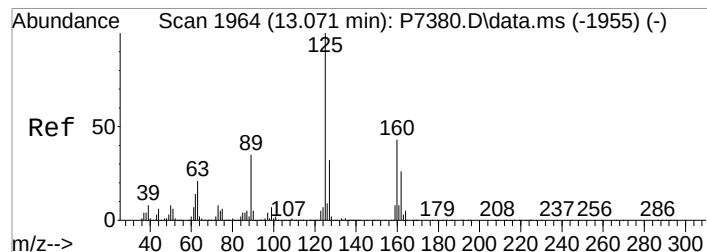
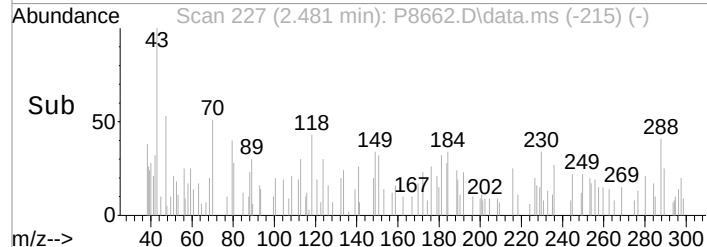
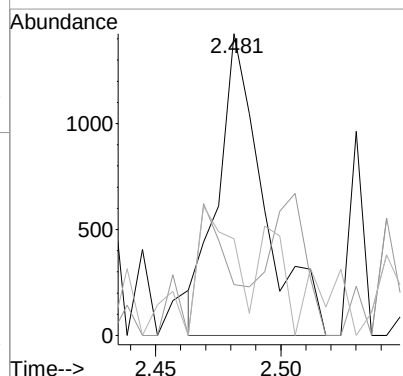
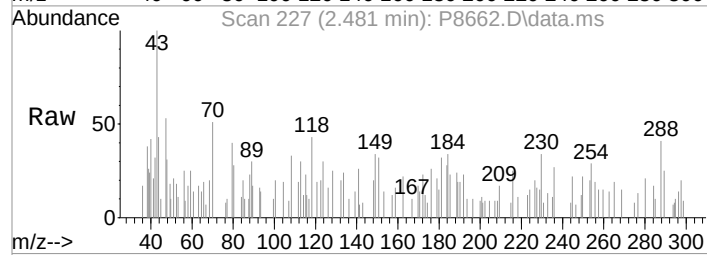
Quant Time: Mar 24 15:56:01 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration





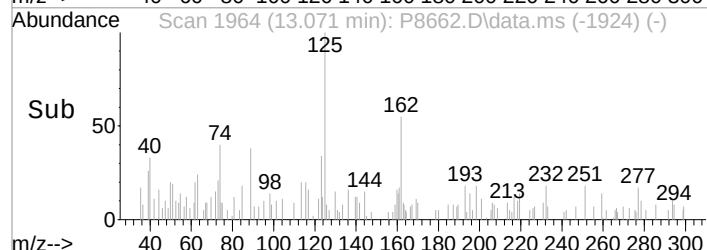
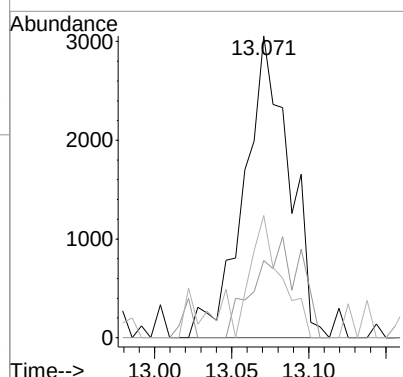
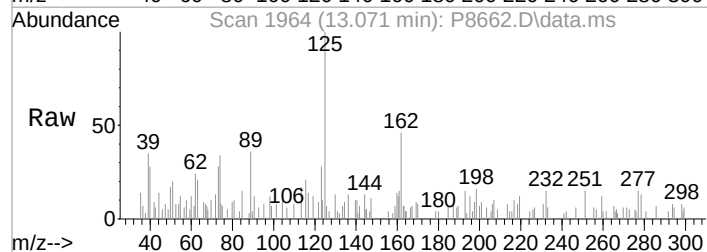
#15
Acetone
Concen: 1.52 ppb m
RT: 2.481 min Scan# 227
Delta R.T. 0.000 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm

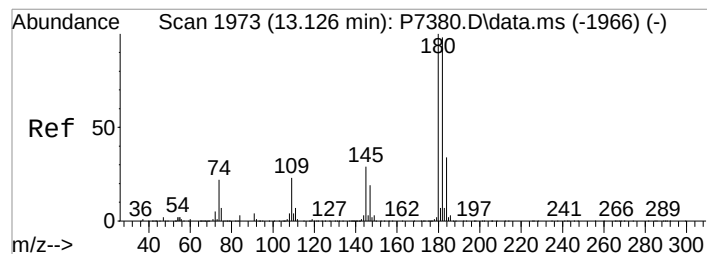
Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 16.8 6.2 46.2
42 32.0 0.0 26.9#



#112
Trilutlon Dichlorotoluene
Concen: 0.60 ppb
RT: 13.071 min Scan# 1964
Delta R.T. -0.006 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm

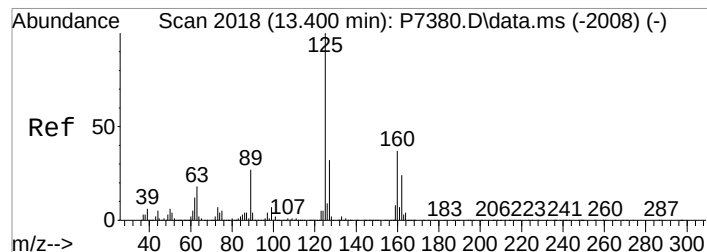
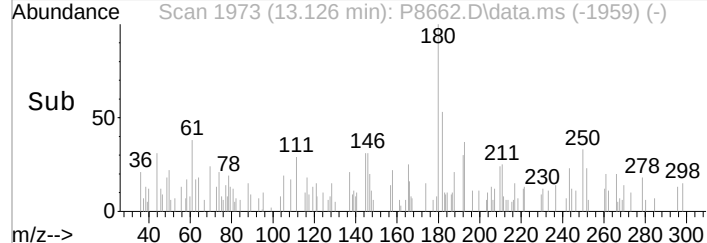
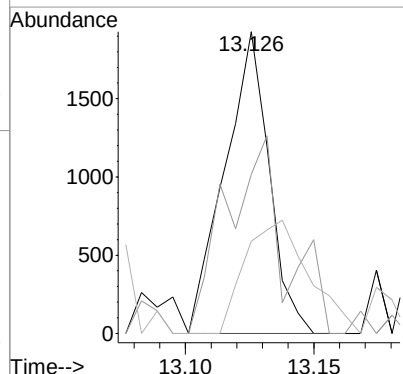
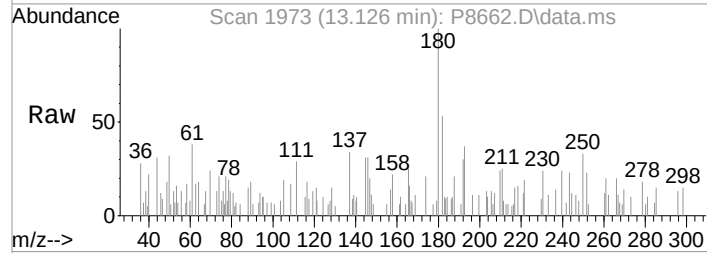
Tgt Ion: 125 Resp: 6201
Ion Ratio Lower Upper
125 100
160 23.9 34.6 51.8#
89 37.7 28.0 42.0





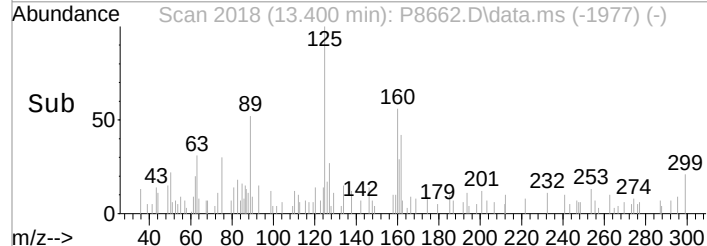
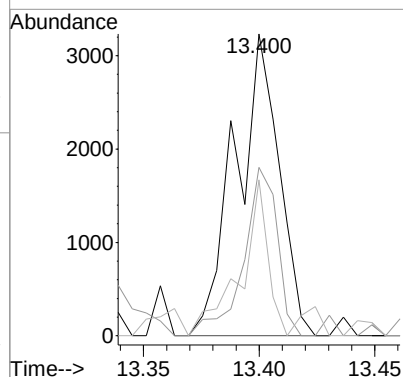
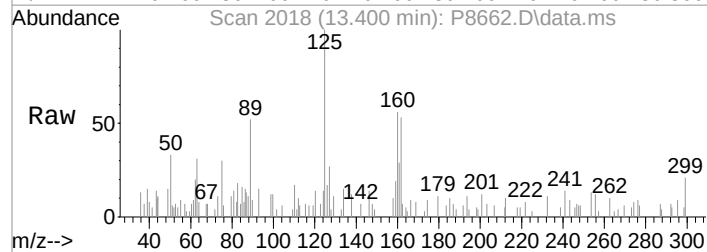
#113
 1,3,5 Trichlorobenzene
 Concen: 0.25 ppb
 RT: 13.126 min Scan# 1973
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

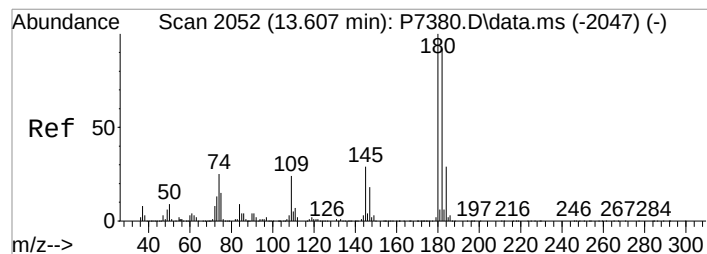
Tgt Ion:	180	Resp:	2320
Ion Ratio	Lower	Upper	
180	100		
182	52.7	78.6	117.8#
145	30.6	23.4	35.2



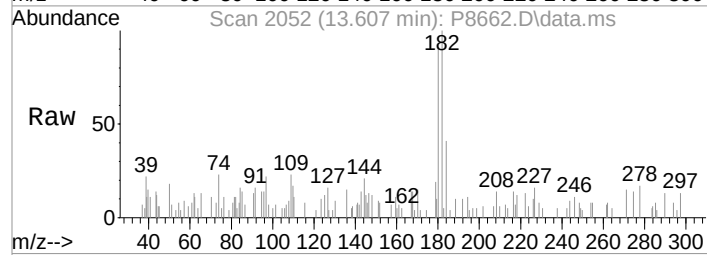
#114
 Coelution Dichlorotoluene
 Concen: 0.38 ppb
 RT: 13.400 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

Tgt Ion:	125	Resp:	4241
Ion Ratio	Lower	Upper	
125	100		
160	55.7	29.8	44.6#
89	51.7	21.7	32.5#

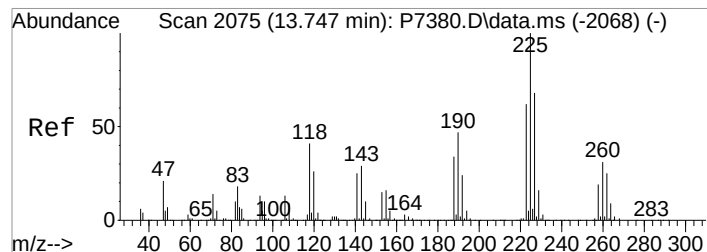
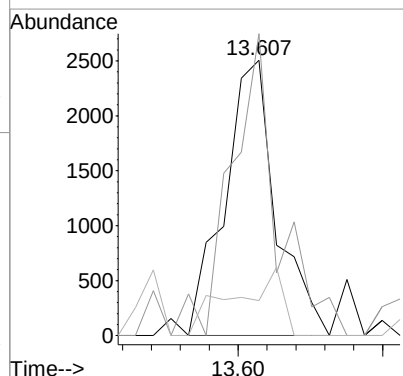
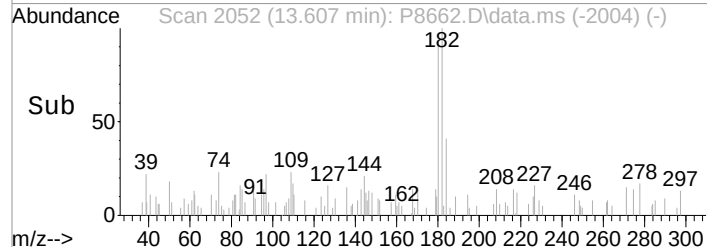




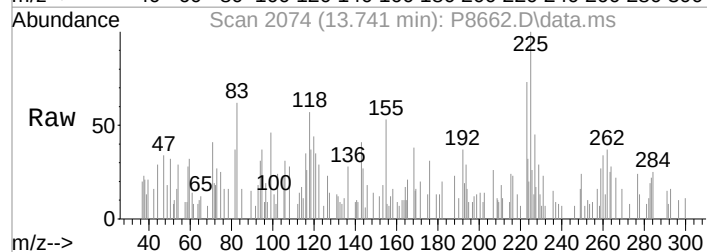
#115
1,2,4-Tcbenzene
Concen: 0.39 ppb
RT: 13.607 min Scan# 2052
Delta R.T. 0.000 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm



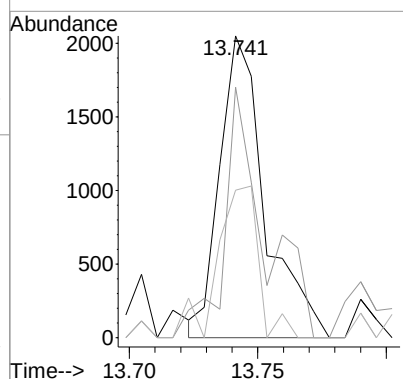
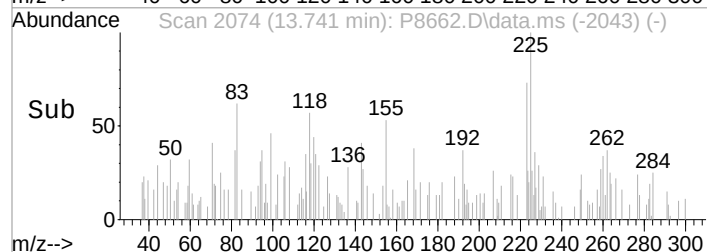
Tgt Ion:180 Resp: 3122
Ion Ratio Lower Upper
180 100
182 115.6 71.4 111.4#
145 21.1 8.8 48.8

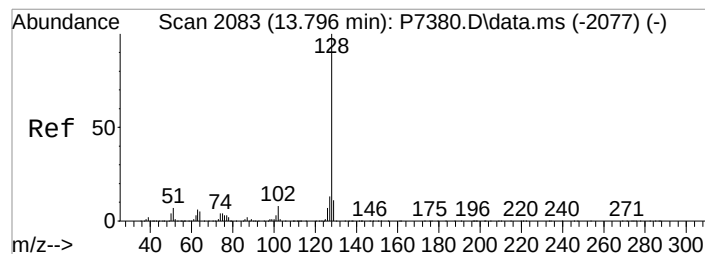


#116
Hexachlorobt
Concen: 0.69 ppb
RT: 13.741 min Scan# 2074
Delta R.T. -0.006 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm



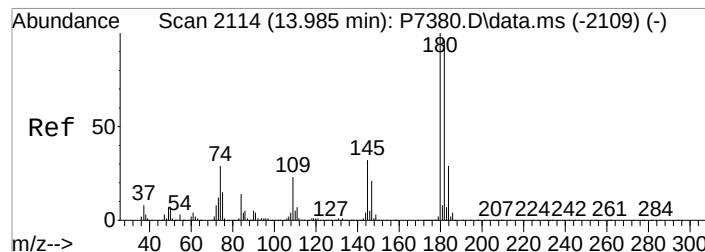
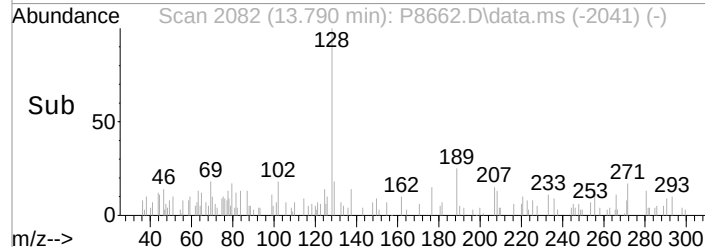
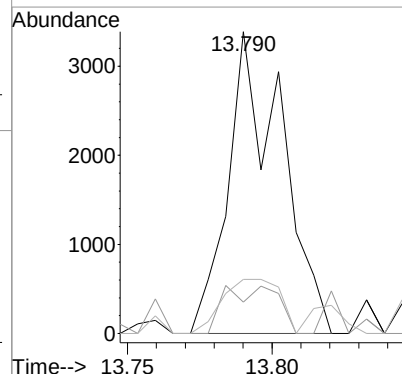
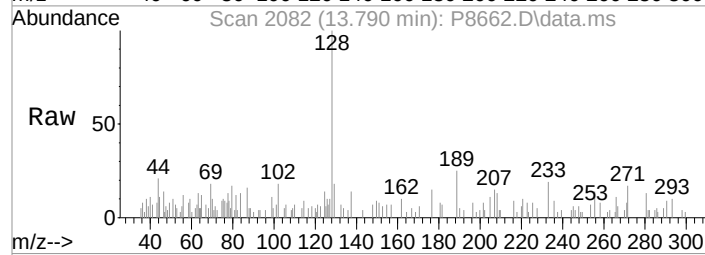
Tgt Ion:225 Resp: 2507
Ion Ratio Lower Upper
225 100
223 83.0 42.2 82.2#
227 48.9 47.7 87.7





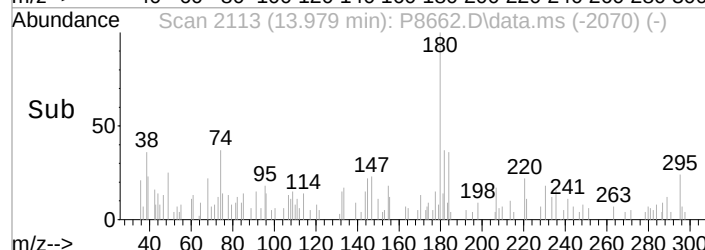
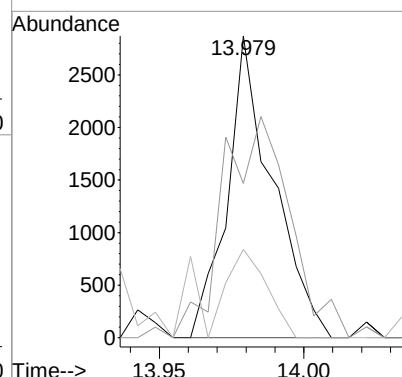
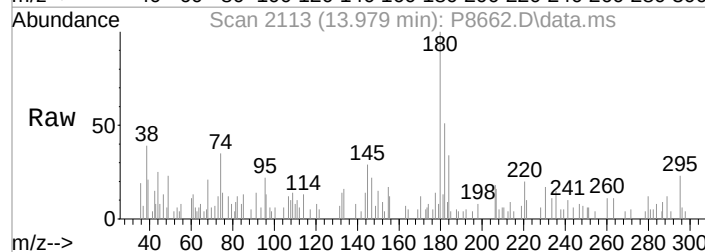
#117
Naphthalen
Concen: 0.29 ppb
RT: 13.790 min Scan# 2082
Delta R.T. -0.006 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm

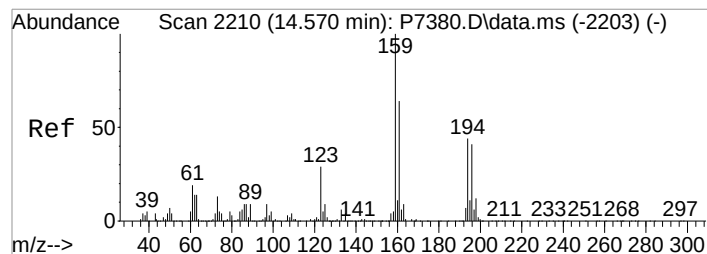
Tgt Ion:	128	Resp:	4343
Ion Ratio		Lower	Upper
128	100		
127	10.4	0.0	32.8
102	17.9	0.0	28.5



#118
1,2,3-Tclbenzene
Concen: 0.47 ppb
RT: 13.979 min Scan# 2113
Delta R.T. -0.006 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm

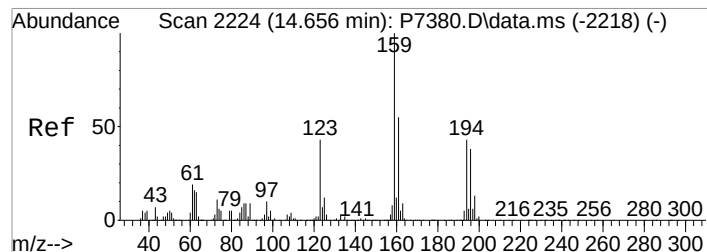
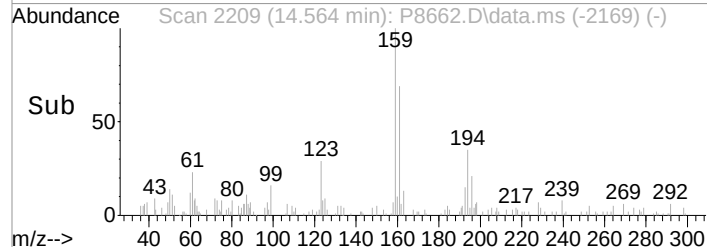
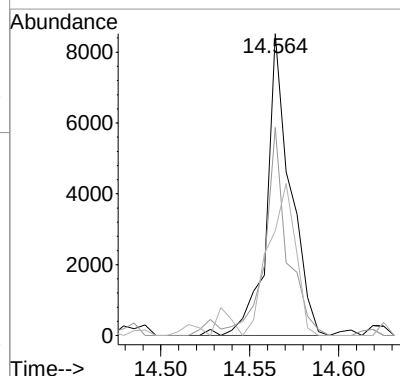
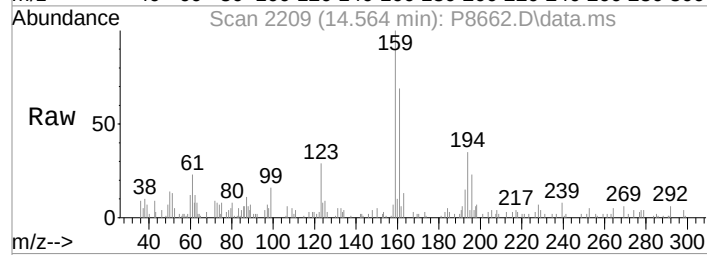
Tgt Ion:	180	Resp:	3134
Ion Ratio		Lower	Upper
180	100		
182	51.1	75.9	115.9#
145	29.2	11.8	51.8





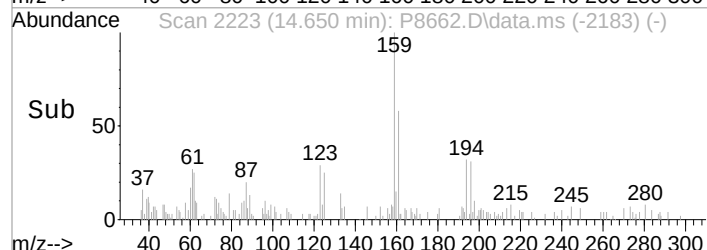
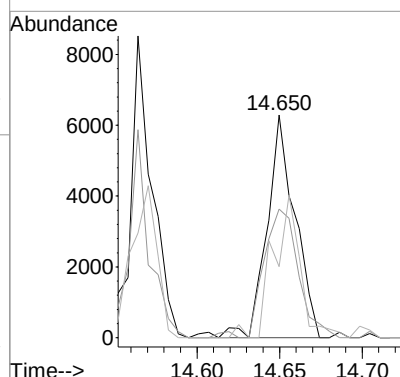
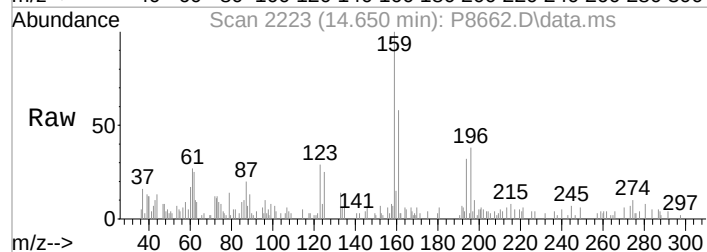
#119
 2,4,5-Trichlorotoluene
 Concen: 1.53 ppb
 RT: 14.564 min Scan# 2209
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

Tgt Ion	159	161	194
Resp	7863		
Ratio	100	75.0	34.6
Lower		51.0	35.4
Upper		76.4	53.2#



#120
 2,3,6-Trichlorotoluene
 Concen: 1.75 ppb
 RT: 14.650 min Scan# 2223
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

Tgt Ion	159	161	194
Resp	7494		
Ratio	100	52.9	27.7
Lower		44.3	34.8
Upper		66.5	52.2#



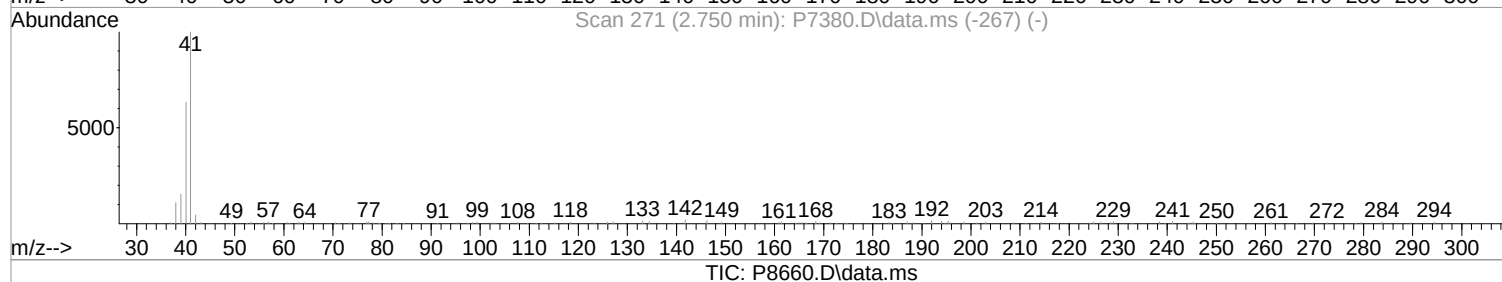
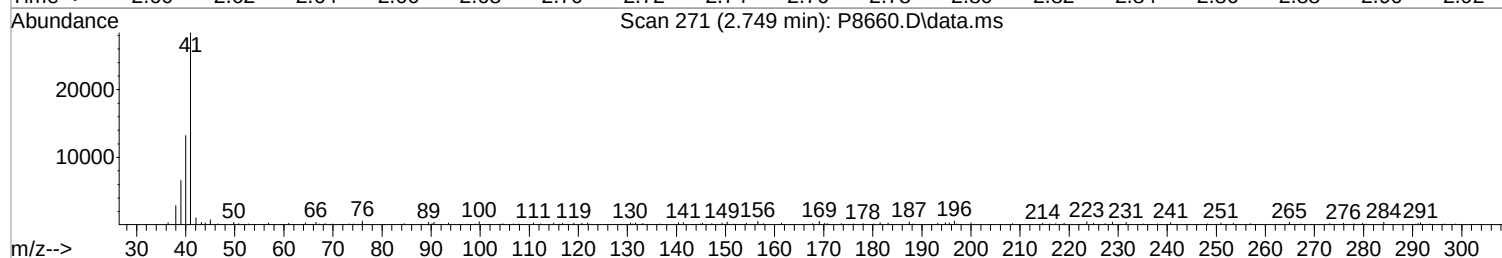
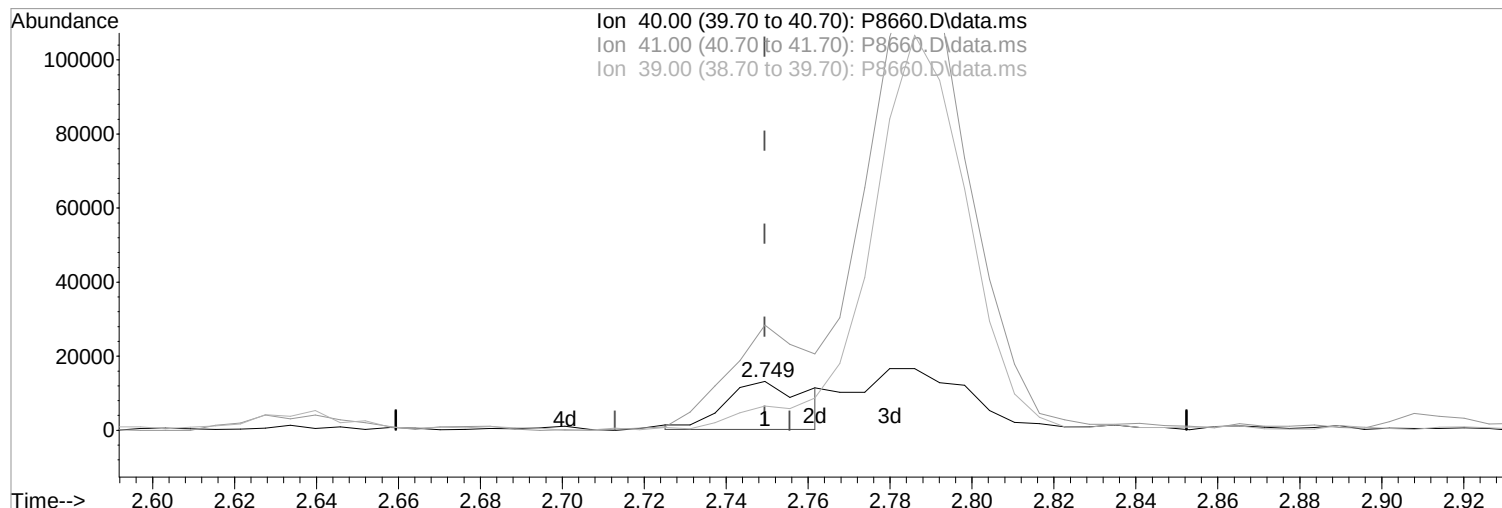
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(19) Acetonitrile

Manual Integration:

2.749min (+0.000) 101.86 ppb m

After

response 18208

Poor integration.

Ion Exp% Act%

03/24/17

40.00 100 100

41.00 161.50 214.96#

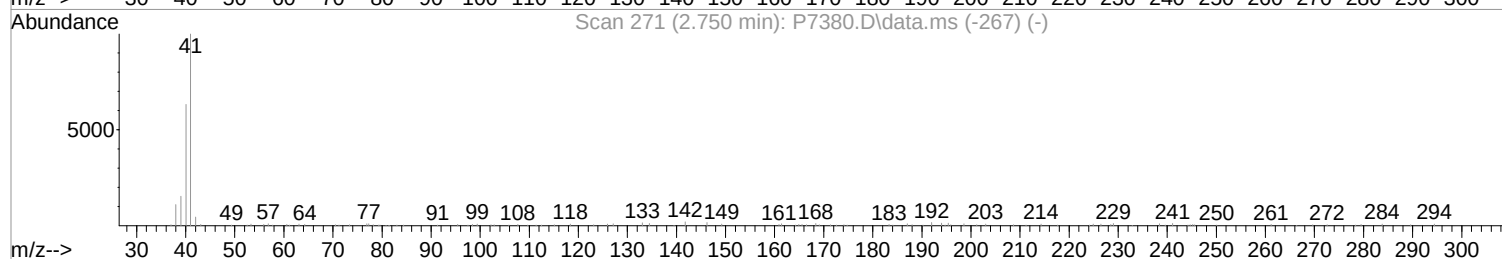
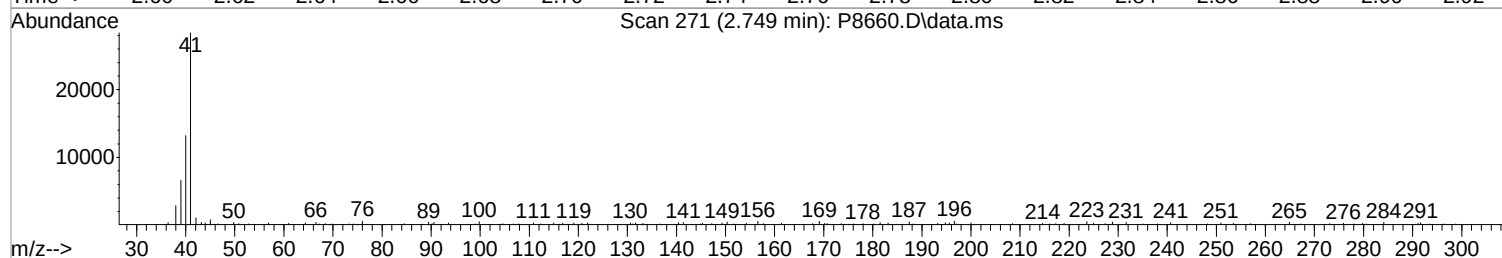
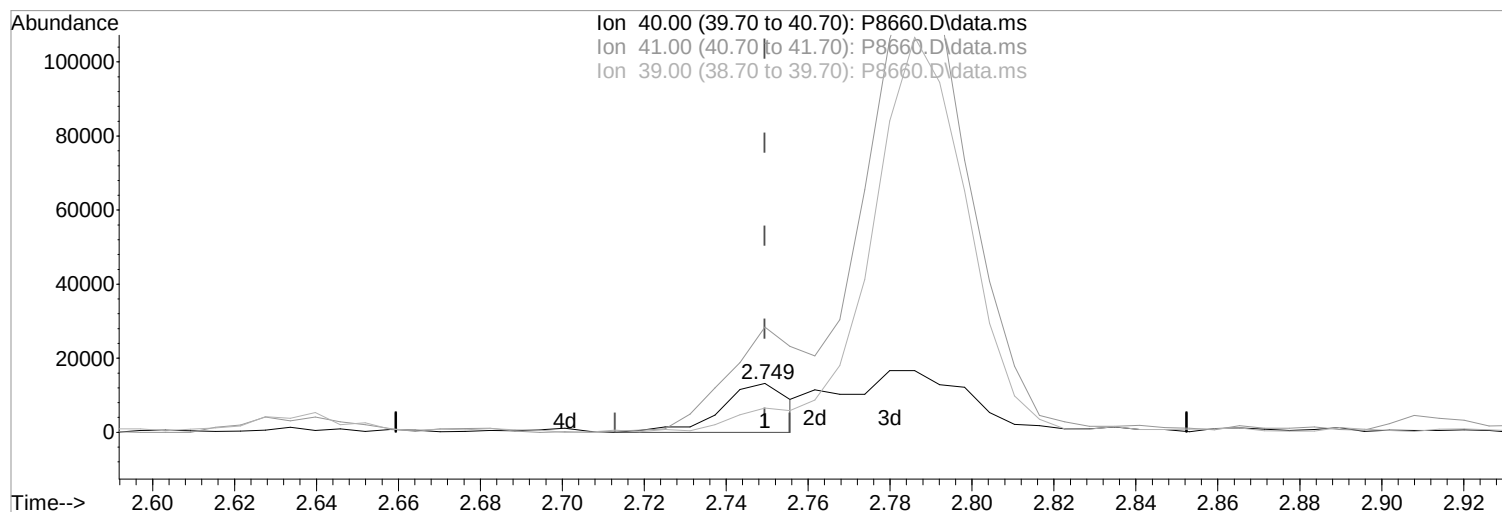
39.00 26.70 49.86#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8660.D\data.ms

(19) Acetonitrile

Manual Integration:

2.749min (+0.000) 85.29 ppb

Before

response 15246

Ion	Exp%	Act%

03/24/17

40.00	100	100

41.00	161.50	214.96#

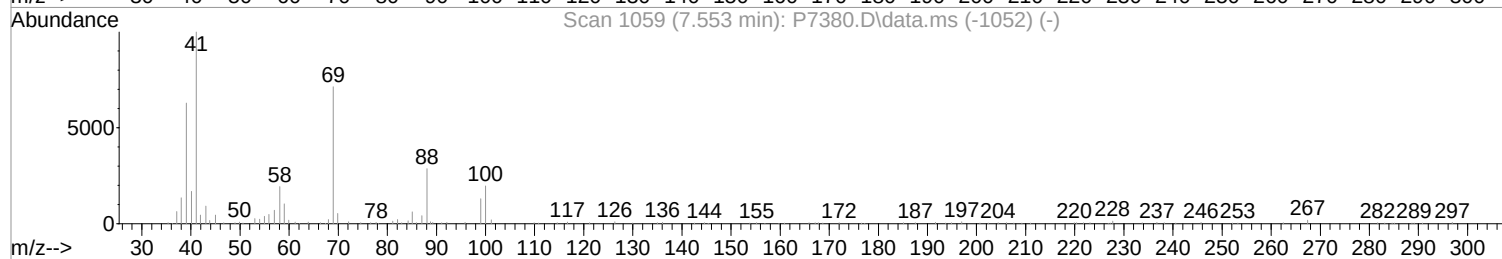
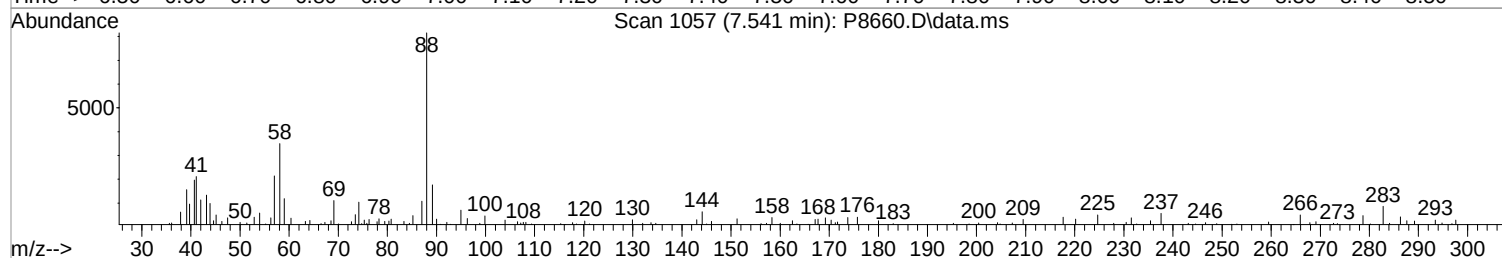
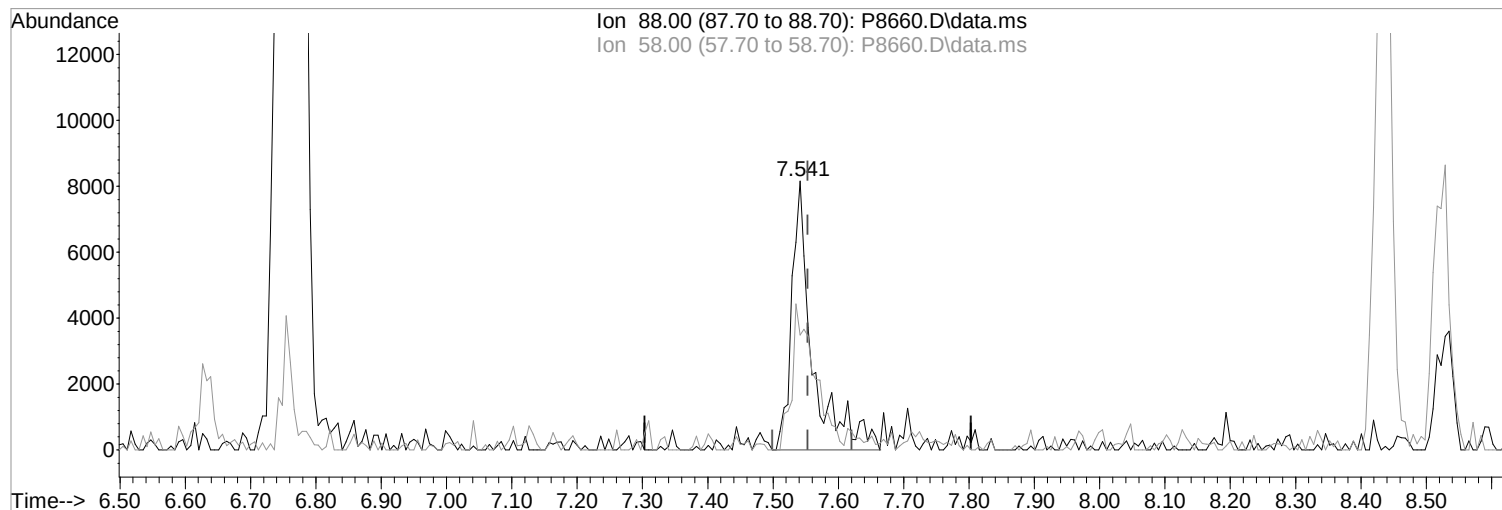
39.00	26.70	49.86#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8660.D\data.ms

(58) 1,4-Dioxane

7.541min (-0.012) 366.61 ppb m

response 18106

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	42.79#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

03/24/17

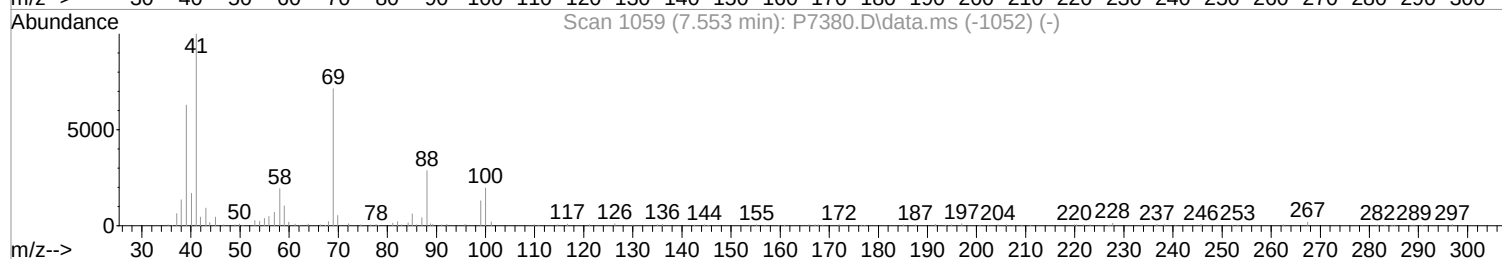
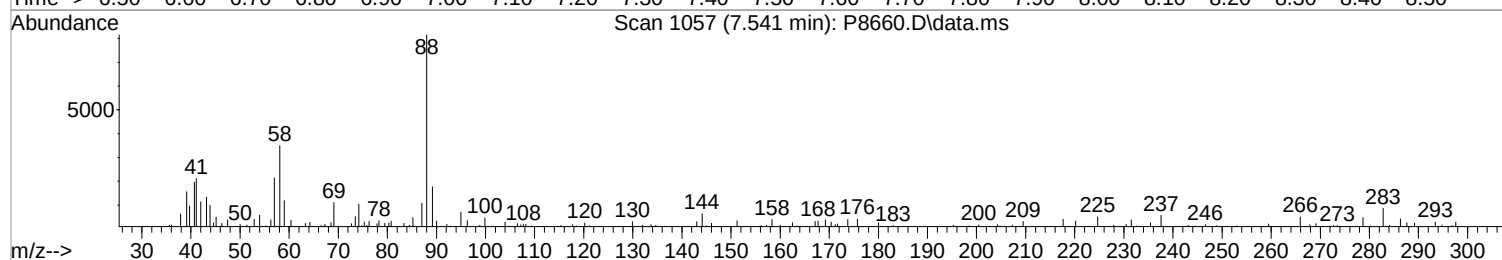
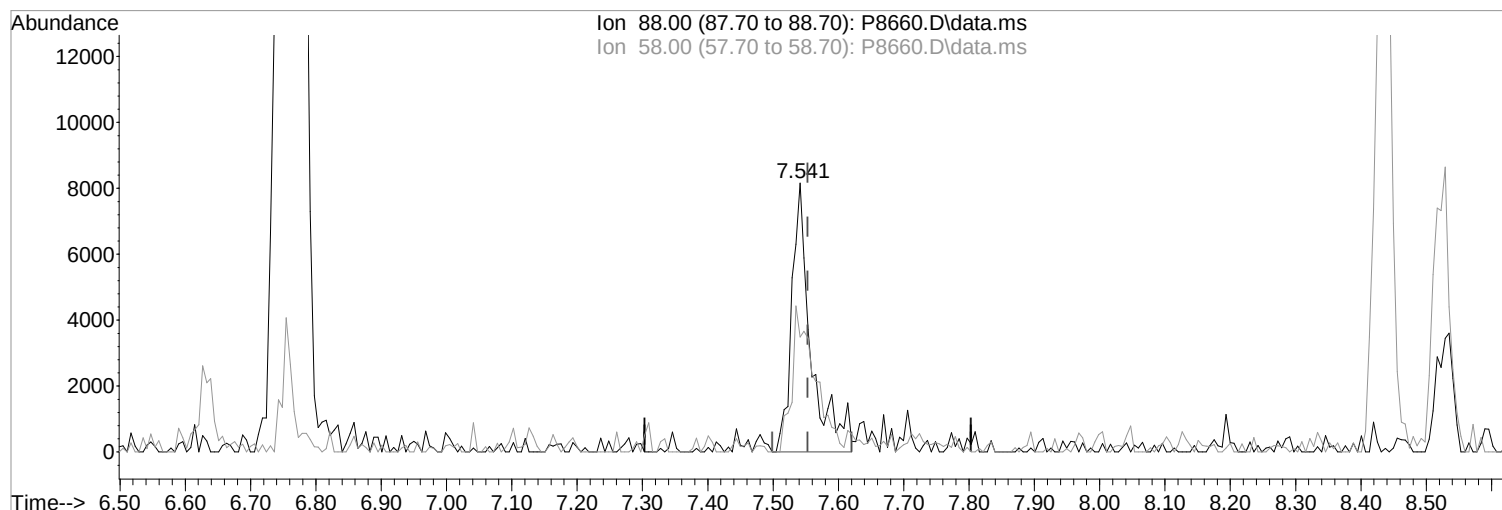
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8660.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.541min (-0.012) 339.46 ppb

Before

response 16856

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	42.79#
0.00	0.00	0.00
0.00	0.00	0.00

03/24/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8660.D
 Acq On : 24 Mar 2017 12:41 pm
 Operator : K.Ruest
 Sample : LCS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:02:07 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	848404	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1385870	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1265677	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	631868	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	408636	54.64	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	109.28%	
48) surr1,1,2-dichloroetha...	6.090	65	447698	53.92	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	107.84%	
65) SURR3,Toluene-d8	8.523	98	1679447	54.32	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	108.64%	
70) SURR2,BFB	11.047	95	603680	50.39	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	100.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	191065	18.51	ppb	96
3) Chloromethane	1.347	50	162819	17.60	ppb	97
4) Vinyl Chloride	1.427	62	172001	20.99	ppb	100
5) Bromomethane	1.683	94	90206	21.79	ppb	88
6) Chloroethane	1.762	64	89976	20.73	ppb	94
7) Freon 21	1.920	67	226975	21.88	ppb	95
8) Trichlorofluoromethane	1.969	101	190554	20.77	ppb	97
9) Diethyl Ether	2.225	59	78802	20.21	ppb	# 81
10) Freon 123a	2.231	67	154347	23.98	ppb	91
11) Freon 123	2.286	83	173669	23.40	ppb	98
12) Acrolein	2.329	56	16804	26.17	ppb	94
13) 1,1-Dicethene	2.426	96	121800	20.27	ppb	95
14) Freon 113	2.439	101	115701	17.82	ppb	82
15) Acetone	2.481	43	30598	24.55	ppb	92
16) 2-Propanol	2.634	45	86973	413.30	ppb	93
17) Iodomethane	2.567	142	186771	21.18	ppb	97
18) Carbon Disulfide	2.628	76	388001	21.18	ppb	97
19) Acetonitrile	2.749	40	18208m	101.86	ppb	
20) Allyl Chloride	2.786	76	72110	20.12	ppb	94
21) Methyl Acetate	2.829	43	58080	19.55	ppb	99
22) Methylene Chloride	2.914	84	134992	20.50	ppb	95
23) TBA	3.079	59	145405	417.57	ppb	92
24) Acrylonitrile	3.201	53	151409	104.15	ppb	89
25) Methyl-t-Butyl Ether	3.255	73	310568	19.60	ppb	99
26) trans-1,2-Dichloroethene	3.237	96	132359	19.00	ppb	97
28) 1,1-Dicethane	3.786	63	238971	20.49	ppb	99
29) Vinyl Acetate	3.902	86	20742	18.26	ppb	# 94
30) DIPE	3.932	45	451354	20.83	ppb	98
31) 2-Chloro-1,3-Butadiene	3.914	53	206727	20.68	ppb	94
32) ETBE	4.511	59	402901	21.93	ppb	96
33) 2,2-Dichloropropane	4.694	77	184260	20.05	ppb	96
34) cis-1,2-Dichloroethene	4.700	96	147728	19.91	ppb	96
35) 2-Butanone	4.767	43	32575	17.77	ppb	95
36) Propionitrile	4.853	54	54047	97.39	ppb	92
37) Bromochloromethane	5.133	130	86414	21.32	ppb	97
38) Methacrylonitrile	5.139	67	35533	19.64	ppb	# 81
39) Tetrahydrofuran	5.237	42	20646	17.58	ppb	89
40) Chloroform	5.316	83	228315	20.13	ppb	99
41) 1,1,1-Trichloroethane	5.584	97	194192	19.52	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8660.D
 Acq On : 24 Mar 2017 12:41 pm
 Operator : K.Ruest
 Sample : LCS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:02:07 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	351688	21.68	ppb	99
44) Cyclohexane	5.664	41	124726	17.21	ppb	93
46) Carbontetrachloride	5.846	121	47488	18.60	ppb	91
47) 1,1-Dichloropropene	5.859	75	177658	19.24	ppb	94
49) Benzene	6.163	78	516090	21.05	ppb	98
50) 1,2-Dichloroethane	6.200	62	171912	19.84	ppb	96
51) Iso-Butyl Alcohol	6.188	43	68354	446.99	ppb	81
52) n-Heptane	6.639	43	115293	13.96	ppb	95
53) 1-Butanol	7.108	56	103733	1169.14	ppb	98
54) Trichloroethene	7.072	130	136132	19.02	ppb	94
55) Methylcyclohexane	7.303	55	125683	14.88	ppb	93
56) 1,2-Dicloropropane	7.346	63	135599	19.52	ppb	99
57) Dibromomethane	7.486	93	71540	20.33	ppb	89
58) 1,4-Dioxane	7.541	88	18106m	366.61	ppb	
59) Methyl Methacrylate	7.566	69	65517	19.68	ppb	# 86
60) Bromodichloromethane	7.706	83	170159	19.93	ppb	99
61) 2-Nitropropane	7.974	41	33227	49.18	ppb	# 80
62) 2-Chloroethylvinyl Ether	8.102	63	65020	19.50	ppb	96
63) cis-1,3-Dichloropropene	8.236	75	208678	20.85	ppb	97
64) 4-Methyl-2-pentanone	8.431	43	90887	20.81	ppb	99
66) Toluene	8.596	91	573092	19.96	ppb	94
67) trans-1,3-Dichloropropene	8.858	75	173160	21.08	ppb	96
68) Ethyl Methacrylate	8.992	69	132576	20.86	ppb	99
69) 1,1,2-Trichloroethane	9.041	97	106286	21.82	ppb	82
72) Tetrachloroethene	9.175	164	98548	17.95	ppb	93
73) 2-Hexanone	9.327	43	57349	20.12	ppb	81
74) 1,3-Dichloropropane	9.206	76	180285	21.05	ppb	91
75) Dibromochloromethane	9.431	129	115208	23.55	ppb	91
76) N-Butyl Acetate	9.474	43	149172	21.45	ppb	98
77) 1,2-Dibromoethane	9.523	107	102485	22.96	ppb	98
78) Chlorobenzene	10.010	112	364517	20.50	ppb	96
79) 3-CBTF	10.022	180	175956	17.49	ppb	94
80) 4-CBTF	10.077	180	158232	17.13	ppb	98
81) 1,1,1,2-Tetrachloroethane	10.096	131	129207	22.10	ppb	97
82) Ethylbenzene	10.126	106	190397	19.26	ppb	93
83) (m+p)Xylene	10.236	106	475763	40.82	ppb	99
84) o-Xylene	10.589	106	228305	19.66	ppb	90
85) Styrene	10.602	104	405885	20.91	ppb	94
87) Bromoform	10.754	173	59602	25.46	ppb	96
88) 2-CBTF	10.833	180	170834	19.66	ppb	99
89) Isopropylbenzene	10.919	105	552725	21.40	ppb	96
90) Cyclohexanone	10.986	55	68326	150.39	ppb	90
91) trans-1,4-Dichloro-2-B...	11.217	53	25309	21.17	ppb	91
92) 1,1,2,2-Tetrachloroethane	11.175	83	122280	24.74	ppb	92
93) Bromobenzene	11.169	156	151437	21.60	ppb	96
94) 1,2,3-Trichloropropane	11.205	110	34011	21.50	ppb	94
95) n-Propylbenzene	11.272	91	622777	20.89	ppb	97
96) 2-Chlorotoluene	11.339	91	399358	22.25	ppb	92
97) 3-Chlorotoluene	11.388	91	424108	21.31	ppb	98
98) 4-Chlorotoluene	11.431	91	462899	22.12	ppb	99
99) 1,3,5-Trimethylbenzene	11.425	105	432703	19.33	ppb	97
100) tert-Butylbenzene	11.693	119	340153	18.56	ppb	99
101) 1,2,4-Trimethylbenzene	11.735	105	447561	19.48	ppb	96
102) 3,4-DCBTF	11.796	214	114706	17.03	ppb	93
103) sec-Butylbenzene	11.876	105	491066	18.23	ppb	98
104) p-Isopropyltoluene	11.998	119	435260	19.31	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:02:07 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration

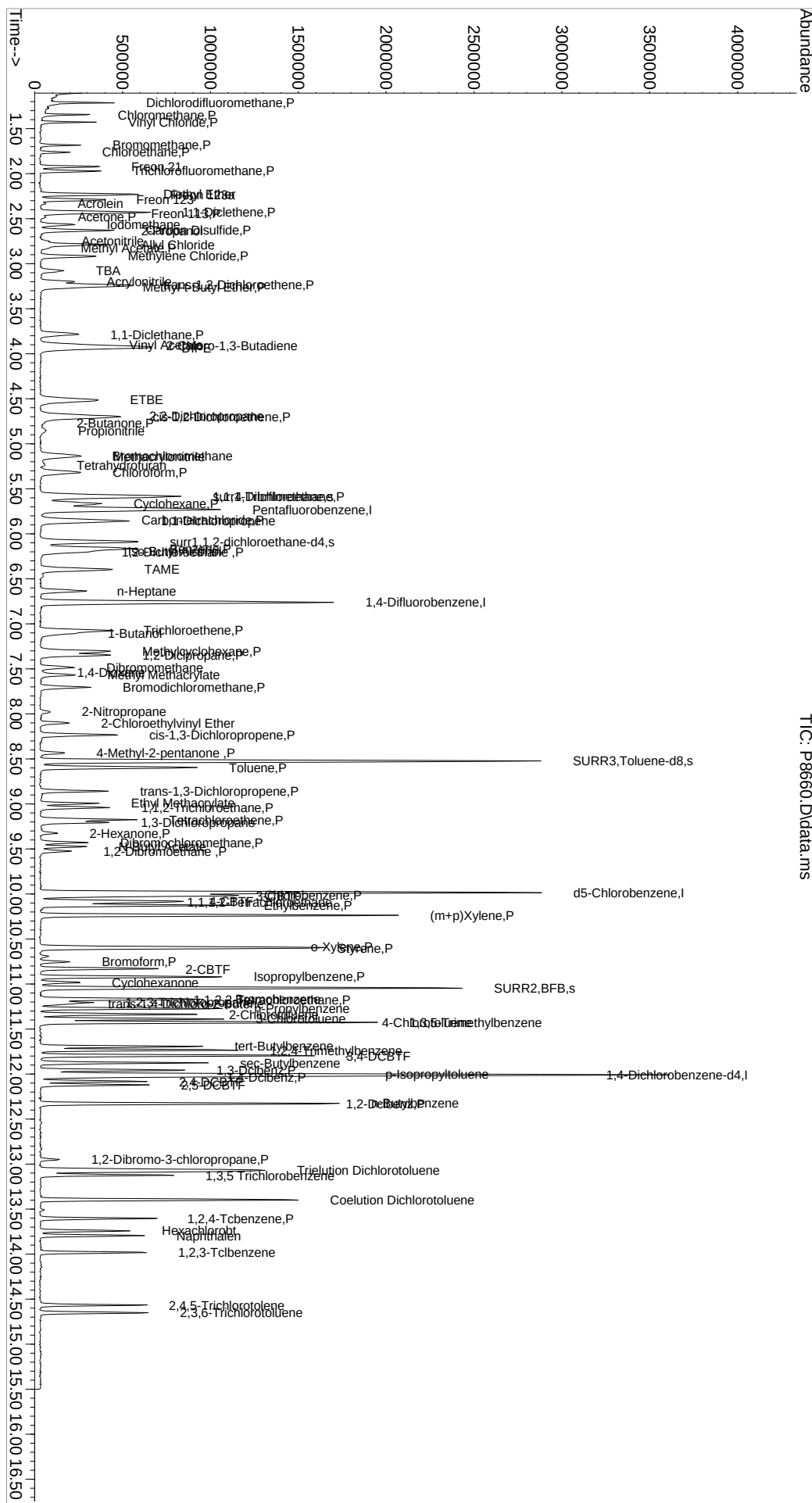
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.955	146	255044	19.03	ppb	95
106) 1,4-Dclbenz	12.034	146	278181	19.89	ppb	98
107) 2,4-DCBTF	12.083	214	99198	15.99	ppb	98
108) 2,5-DCBTF	12.120	214	112882	17.15	ppb	96
109) n-Butylbenzene	12.327	91	374772	18.23	ppb	98
110) 1,2-Dclbenz	12.333	146	255727	20.41	ppb	94
111) 1,2-Dibromo-3-chloropr...	12.949	157	21336	22.09	ppb	87
112) Trielution Dichlorotol...	13.071	125	626168	58.07	ppb	95
113) 1,3,5 Trichlorobenzene	13.125	180	173210	18.12	ppb	96
114) Coelution Dichlorotoluene	13.400	125	467894	40.16	ppb	98
115) 1,2,4-Tcbenzene	13.607	180	158155	19.02	ppb	96
116) Hexachlorobt	13.741	225	64467	17.02	ppb	95
117) Naphthalen	13.796	128	349608	22.77	ppb	95
118) 1,2,3-Tclbenzene	13.985	180	137159	20.03	ppb	95
119) 2,4,5-Trichlorotoluene	14.570	159	119837	22.52	ppb	96
120) 2,3,6-Trichlorotoluene	14.650	159	111717	25.22	ppb	97

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

Data Path : I:\ACQDATA\msvoa12\Data\032417\
 Data File : P8660.D
 Acq On : 24 Mar 2017 12:41 pm
 Operator : K.Ruest
 Sample : LCS
 Vial : 5
 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:02:07 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Last Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration



Evaluate Continuing Calibration Report

1st *12* 03/24/172nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.0000	1.0000	0.0	108	0.00
2 P	Dichlorodifluoromethane	0.6084	0.5355	12.0	91	0.00
3 P	Chloromethane	0.5452	0.4907	10.0	101	0.00
4 P	Vinyl Chloride	0.4829	0.4226	12.5	88	0.00
5 P	Bromomethane	0.2440	0.2311	5.3	93	0.00
6 P	Chloroethane	0.2558	0.2492	2.6	102	0.00
7	Freon 21	0.6113	0.6327	-3.5	119	0.00
8 P	Trichlorofluoromethane	0.5408	0.5236	3.2	102	0.00
9	Diethyl Ether	0.2298	0.2353	-2.4	105	0.00
10	Freon 123a	0.3794	0.3970	-4.6	125	0.00
11	Freon 123	0.4373	0.4784	-9.4	124	0.00
12	Acrolein	0.0378	0.0193	NT 48.9#	56	0.00
13 P	1,1-Dicethene	0.3542	0.3484	1.6	109	0.00
14 P	Freon 113	0.3827	0.3572	6.7	99	0.00
15 P	Acetone	0.0734	0.0816	-11.2	127	0.00
16	2-Propanol	0.0124	0.0138	-11.3	120	0.00
17	Iodomethane	0.5198	0.5197	0.0	101	0.00
18 P	Carbon Disulfide	1.0798	1.0172	5.8	97	0.00
19	Acetonitrile	0.0105	0.0130	NT -23.8#	127	0.00
20	Allyl Chloride	0.2112	0.2120	-0.4	109	0.00
21 P	Methyl Acetate	0.1751	0.1825	-4.2	109	0.00
22 P	Methylene Chloride	0.3882	0.3654	5.9	106	0.00
23	TBA	0.0205	0.0227	-10.7	115	0.00
24	Acrylonitrile	0.0857	0.0872	-1.8	105	0.00
25 P	Methyl-t-Butyl Ether	0.9340	0.8932	4.4	103	0.00
26 P	trans-1,2-Dichloroethene	0.4106	0.3910	4.8	108	0.00
27	Halothane	0.0000	0.0000	0.0	0#	0.00
28 P	1,1-Dicethane	0.6874	0.6571	4.4	104	0.00
29	Vinyl Acetate	0.0669	0.0595	11.1	95	0.00
30	DIPE	1.2771	1.3075	-2.4	109	0.00
31	2-Chloro-1,3-Butadiene	0.5890	0.5277	10.4	95	0.00
32	ETBE	1.0826	1.1211	-3.6	108	0.00
33	2,2-Dichloropropane	0.5417	0.5451	-0.6	106	0.00
34 P	cis-1,2-Dichloroethene	0.4372	0.4234	3.2	109	0.00
35 P	2-Butanone	0.1080	0.0933#	13.6	97	0.00
36	Propionitrile	0.0327	0.0333	-1.8	125	0.00
37	Bromochloromethane	0.2389	0.2384	0.2	105	0.00
38	Methacrylonitrile	0.1066	0.1011	5.2	109	0.00
39	Tetrahydrofuran	0.0692	0.0652	5.8	104	0.00
40 P	Chloroform	0.6686	0.6278	6.1	102	0.00
41 P	1,1,1-Trichloroethane	0.5862	0.5463	6.8	104	0.00
42	TAME	0.9562	0.9769	-2.2	105	0.00
43 I	1,4-Difluorobenzene	1.0000	1.0000	0.0	107	0.00
44 P	Cyclohexane	0.2615	0.2390	8.6	110	0.00
45 s	surr4,Dibrflmethane	0.2698	0.2942	-9.0	107	0.00
46 P	Carbontetrachloride	0.0921	0.0874	5.1	110	0.00
47	1,1-Dichloropropene	0.3331	0.3227	3.1	102	0.00
48 s	surr1,1,2-dichloroethane-d4	0.2996	0.3268	-9.1	107	0.00
49 P	Benzene	0.8847	0.9275	-4.8	110	0.00
50 P	1,2-Dichloroethane	0.3126	0.3051	2.4	106	0.00
51	Iso-Butyl Alcohol	0.0055	0.0061	-10.9	114	0.00

Evaluate Continuing Calibration Report

1st *12* 03/24/172nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	n-Heptane	0.2980	0.2204	NT	26.0#	77 0.00
53	1-Butanol	0.0032	0.0037	-15.6	121	0.00
54 P	Trichloroethene	0.2582	0.2508	2.9	102	0.00
55 P	Methylcyclohexane	0.3047	0.2455	19.4	90	0.00
56 P	1,2-Dichloropropane	0.2506	0.2382	4.9	103	0.00
57	Dibromomethane	0.1270	0.1303	-2.6	109	0.00
58	1,4-Dioxane	0.0018	0.0015	10.3	-16.7	99 -0.01
59	Methyl Methacrylate	0.1201	0.1214	-1.1	112	0.00
60 P	Bromodichloromethane	0.3080	0.2948	4.3	106	0.00
61	2-Nitropropane	0.0244	0.0316	NT	-29.5#	179 0.00
62	2-Chloroethylvinyl Ether	0.1203	0.0995	17.3	87	0.00
63 P	cis-1,3-Dichloropropene	0.3611	0.3862	-7.0	107	0.00
64 P	4-Methyl-2-pentanone	0.1576	0.1512	4.1	100	0.00
65 s	SURR3, Toluene-d8	1.1155	1.2451	-11.6	105	0.00
66 P	Toluene	1.0357	1.0395	-0.4	103	0.00
67 P	trans-1,3-Dichloropropene	0.2963	0.3120	-5.3	103	0.00
68	Ethyl Methacrylate	0.2293	0.2550	-11.2	112	0.00
69 P	1,1,2-Trichloroethane	0.1757	0.1772	-0.9	105	0.00
70 s	SURR2, BFB	0.4322	0.4576	-5.9	99	0.00
71 I	d5-Chlorobenzene	1.0000	1.0000	0.0	99	0.00
72 P	Tetrachloroethene	0.2169	0.1915#	11.7	88	0.00
73 P	2-Hexanone	0.1126	0.1122	0.4	97	0.00
74	1,3-Dichloropropane	0.3384	0.3615	-6.8	107	0.00
75 P	Dibromochloromethane	0.1933	0.2226	-15.2	113	0.00
76	N-Butyl Acetate	0.2748	0.3096	-12.7	115	0.00
77 P	1,2-Dibromoethane	0.1763	0.1948	-10.5	107	0.00
78 P	Chlorobenzene	0.7026	0.7175	-2.1	102	0.00
79	3-CBTF	0.3975	0.3421	13.9	87	0.00
80	4-CBTF	0.3648	0.3073	15.8	84	0.00
81	1,1,1,2-Tetrachloroethane	0.2310	0.2505	-8.4	102	0.00
82 P	Ethylbenzene	0.3905	0.3652	6.5	94	0.00
83 P	(m+p)Xylene	0.4604	0.4473	2.8	93	0.00
84 P	o-Xylene	0.4588	0.4571	0.4	97	0.00
85 P	Styrene	0.7670	0.7934	-3.4	96	0.00
86 I	1,4-Dichlorobenzene-d4	1.0000	1.0000	0.0	91	0.00
87 P	Bromoform	0.1777	0.2055	-6.7	-15.6	100 0.00
88	2-CBTF	0.6877	0.6354	7.6	86	0.00
89 P	Isopropylbenzene	2.0435	1.9591	4.1	86	0.00
90	Cyclohexanone	0.0360	0.0162	NT	55.0#	40# 0.00
91	trans-1,4-Dichloro-2-Butene	0.1103	0.1132	-2.6	102	0.00
92 P	1,1,2,2-Tetrachloroethane	0.3911	0.4446	-16.7	-13.7	108 0.00
93	Bromobenzene	0.5548	0.5553	-0.1	92	0.00
94	1,2,3-Trichloropropane	0.1252	0.1283	-2.5	102	0.00
95	n-Propylbenzene	2.3593	2.2455	4.8	81	0.00
96	2-Chlorotoluene	1.4201	1.4234	-0.2	89	0.00
97	3-Chlorotoluene	1.5746	1.6251	-3.2	91	0.00
98	4-Chlorotoluene	1.6559	1.6035	3.2	86	0.00
99	1,3,5-Trimethylbenzene	1.7716	1.5583	12.0	78	0.00
100	tert-Butylbenzene	1.4502	1.2744	12.1	75	0.00
101	1,2,4-Trimethylbenzene	1.8181	1.6477	9.4	80	0.00

Evaluate Continuing Calibration Report

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
102	3,4-DCBTF	0.5329	0.4005	NT	24.8#	68 0.00
103	sec-Butylbenzene	2.1311	1.8159		14.8	73 0.00
104	p-Isopropyltoluene	1.7837	1.5092		15.4	73 0.00
105 P	1,3-Dclbenz	1.0604	0.9833		7.3	83 0.00
106 P	1,4-Dclbenz	1.1069	1.0265		7.3	87 0.00
107	2,4-DCBTF	0.4909	0.3538	NT	27.9#	68 0.00
108	2,5-DCBTF	0.5207	0.4223		18.9	73 0.00
109	n-Butylbenzene	1.6268	1.3665		16.0	71 0.00
110 P	1,2-Dclbenz	0.9917	0.9384		5.4	86 0.00
111 P	1,2-Dibromo-3-chloropropane	0.0764	0.0789		-3.3	103 0.00
112	Trielution Dichlorotoluene	0.8532	0.7375		13.6	75 0.00
113	1,3,5 Trichlorobenzene	0.7564	0.5830	NT	22.9#	71 0.00
114	Coelution Dichlorotoluene	0.9218	0.7930		14.0	75 0.00
115 P	1,2,4-Tcbenzene	0.6581	0.5115	NT	22.3#	70 0.00
116	Hexachlorobt	0.2997	0.2151	NT	28.2#	72 0.00
117	Naphthalen	1.2148	1.1549		4.9	84 0.00
118	1,2,3-Tclbenzene	0.5419	0.4391		19.0	73 0.00
119	2,4,5-Trichlorotoluene	0.4210	0.3187	NT	24.3#	73 0.00
120	2,3,6-Trichlorotoluene	0.3505	0.2685	NT	23.4#	67 0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	850770	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1352719	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1243548	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	656950	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	397925	54.52	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	109.04%	
48) surr1,1,2-dichloroetha...	6.090	65	442135	54.56	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	109.12%	
65) SURR3,Toluene-d8	8.523	98	1684256	55.81	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	111.62%	
70) SURR2,BFB	11.047	95	618962	52.93	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	105.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	455589	44.01	ppb	97
3) Chloromethane	1.341	50	417448	45.00	ppb	100
4) Vinyl Chloride	1.427	62	359501	43.75	ppb	99
5) Bromomethane	1.683	94	196571	47.34	ppb	97
6) Chloroethane	1.762	64	212014	48.71	ppb	93
7) Freon 21	1.921	67	538271	51.75	ppb	97
8) Trichlorofluoromethane	1.969	101	445433	48.41	ppb	94
9) Diethyl Ether	2.225	59	200180	51.20	ppb	88
10) Freon 123a	2.231	67	337794	52.32	ppb	94
11) Freon 123	2.286	83	406980	54.69	ppb	97
12) Acrolein	2.335	56	81976	127.32	ppb	92
13) 1,1-Dicethene	2.426	96	296450	49.19	ppb	92
14) Freon 113	2.433	101	303889	46.67	ppb	86
15) Acetone	2.481	43	69452	55.58	ppb	94
16) 2-Propanol	2.634	45	235038	1113.82	ppb	97
17) Iodomethane	2.567	142	442122	49.99	ppb	92
18) Carbon Disulfide	2.628	76	865413	47.10	ppb	99
19) Acetonitrile	2.750	40	55152	307.68	ppb	# 81
20) Allyl Chloride	2.792	76	180334	50.18	ppb	98
21) Methyl Acetate	2.823	43	155271	52.13	ppb	99
22) Methylene Chloride	2.920	84	310910	47.07	ppb	94
23) TBA	3.079	59	386752	1107.58	ppb	92
24) Acrylonitrile	3.201	53	370884	254.40	ppb	98
25) Methyl-t-Butyl Ether	3.256	73	759888	47.81	ppb	99
26) trans-1,2-Dichloroethene	3.237	96	332632	47.62	ppb	99
28) 1,1-Dicethane	3.780	63	559054	47.80	ppb	98
29) Vinyl Acetate	3.890	86	50627	44.45	ppb	99
30) DIPE	3.938	45	1112412	51.19	ppb	97
31) 2-Chloro-1,3-Butadiene	3.920	53	448955	44.80	ppb	97
32) ETBE	4.518	59	953831	51.78	ppb	97
33) 2,2-Dichloropropane	4.694	77	463773	50.32	ppb	97
34) cis-1,2-Dichloroethene	4.707	96	360199	48.42	ppb	93
35) 2-Butanone	4.768	43	79394	43.20	ppb	90
36) Propionitrile	4.853	54	141812	254.84	ppb	87
37) Bromochloromethane	5.133	130	202858	49.91	ppb	94
38) Methacrylonitrile	5.145	67	86051	47.44	ppb	# 82
39) Tetrahydrofuran	5.225	42	55441	47.09	ppb	94
40) Chloroform	5.316	83	534095	46.95	ppb	100
41) 1,1,1-Trichloroethane	5.584	97	464750	46.59	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	831121	51.08	ppb	97
44) Cyclohexane	5.670	41	323284	45.70	ppb	90
46) Carbontetrachloride	5.847	121	118239	47.45	ppb	100
47) 1,1-Dichloropropene	5.865	75	436455	48.43	ppb	92
49) Benzene	6.164	78	1254635	52.42	ppb	99
50) 1,2-Dichloroethane	6.200	62	412692	48.80	ppb	97
51) Iso-Butyl Alcohol	6.194	43	164878	1104.61	ppb	85
52) n-Heptane	6.639	43	298143	36.98	ppb	94
53) 1-Butanol	7.109	56	253515	2927.31	ppb	99
54) Trichloroethene	7.078	130	339258	48.57	ppb	97
55) Methylcyclohexane	7.310	55	332053	40.29	ppb	95
56) 1,2-Dicloropropane	7.346	63	322171	47.52	ppb	95
57) Dibromomethane	7.480	93	176322	51.33	ppb	# 80
58) 1,4-Dioxane	7.541	88	40949	896.66	ppb	83
59) Methyl Methacrylate	7.572	69	164255	50.56	ppb	92
60) Bromodichloromethane	7.706	83	398774	47.86	ppb	96
61) 2-Nitropropane	7.980	41	85561	129.74	ppb	88
62) 2-Chloroethylvinyl Ether	8.102	63	134552	41.33	ppb	94
63) cis-1,3-Dichloropropene	8.236	75	522375	53.47	ppb	97
64) 4-Methyl-2-pentanone	8.431	43	204589	47.99	ppb	99
66) Toluene	8.596	91	1406160	50.19	ppb	98
67) trans-1,3-Dichloropropene	8.858	75	421988	52.63	ppb	92
68) Ethyl Methacrylate	8.992	69	344984	55.62	ppb	99
69) 1,1,2-Trichloroethane	9.041	97	239669	50.41	ppb	92
72) Tetrachloroethene	9.175	164	238078	44.14	ppb	93
73) 2-Hexanone	9.321	43	139527	49.83	ppb	96
74) 1,3-Dichloropropane	9.206	76	449603	53.43	ppb	96
75) Dibromochloromethane	9.431	129	276771	57.57	ppb	95
76) N-Butyl Acetate	9.474	43	384993	56.34	ppb	99
77) 1,2-Dibromoethane	9.523	107	242252	55.25	ppb	95
78) Chlorobenzene	10.010	112	892270	51.06	ppb	98
79) 3-CBTF	10.023	180	425380	43.03	ppb	95
80) 4-CBTF	10.077	180	382165	42.12	ppb	93
81) 1,1,1,2-Tetrachloroethane	10.096	131	311447	54.21	ppb	95
82) Ethylbenzene	10.126	106	454103	46.75	ppb	# 89
83) (m+p)Xylene	10.236	106	1112372	97.14	ppb	97
84) o-Xylene	10.590	106	568372	49.81	ppb	99
85) Styrene	10.602	104	986573	51.72	ppb	97
87) Bromoform	10.754	173	135034	53.34	ppb	95
88) 2-CBTF	10.833	180	417408	46.20	ppb	99
89) Isopropylbenzene	10.919	105	1287033	47.93	ppb	98
90) Cyclohexanone	10.986	55	213498	451.98	ppb	91
91) trans-1,4-Dichloro-2-B...	11.224	53	74353	58.36	ppb	94
92) 1,1,2,2-Tetrachloroethane	11.175	83	292060	56.84	ppb	97
93) Bromobenzene	11.169	156	364811	50.04	ppb	96
94) 1,2,3-Trichloropropane	11.205	110	84305	51.25	ppb	96
95) n-Propylbenzene	11.272	91	1475205	47.59	ppb	100
96) 2-Chlorotoluene	11.339	91	935104	50.12	ppb	99
97) 3-Chlorotoluene	11.388	91	1067629	51.61	ppb	97
98) 4-Chlorotoluene	11.431	91	1053409	48.42	ppb	96
99) 1,3,5-Trimethylbenzene	11.425	105	1023739	43.98	ppb	99
100) tert-Butylbenzene	11.699	119	837188	43.94	ppb	97
101) 1,2,4-Trimethylbenzene	11.736	105	1082442	45.31	ppb	99
102) 3,4-DCBTF	11.791	214	263085	37.57	ppb	96
103) sec-Butylbenzene	11.876	105	1192977	42.61	ppb	99
104) p-Isopropyltoluene	11.998	119	991455	42.31	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8659.D
Acq On : 24 Mar 2017 12:11 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration

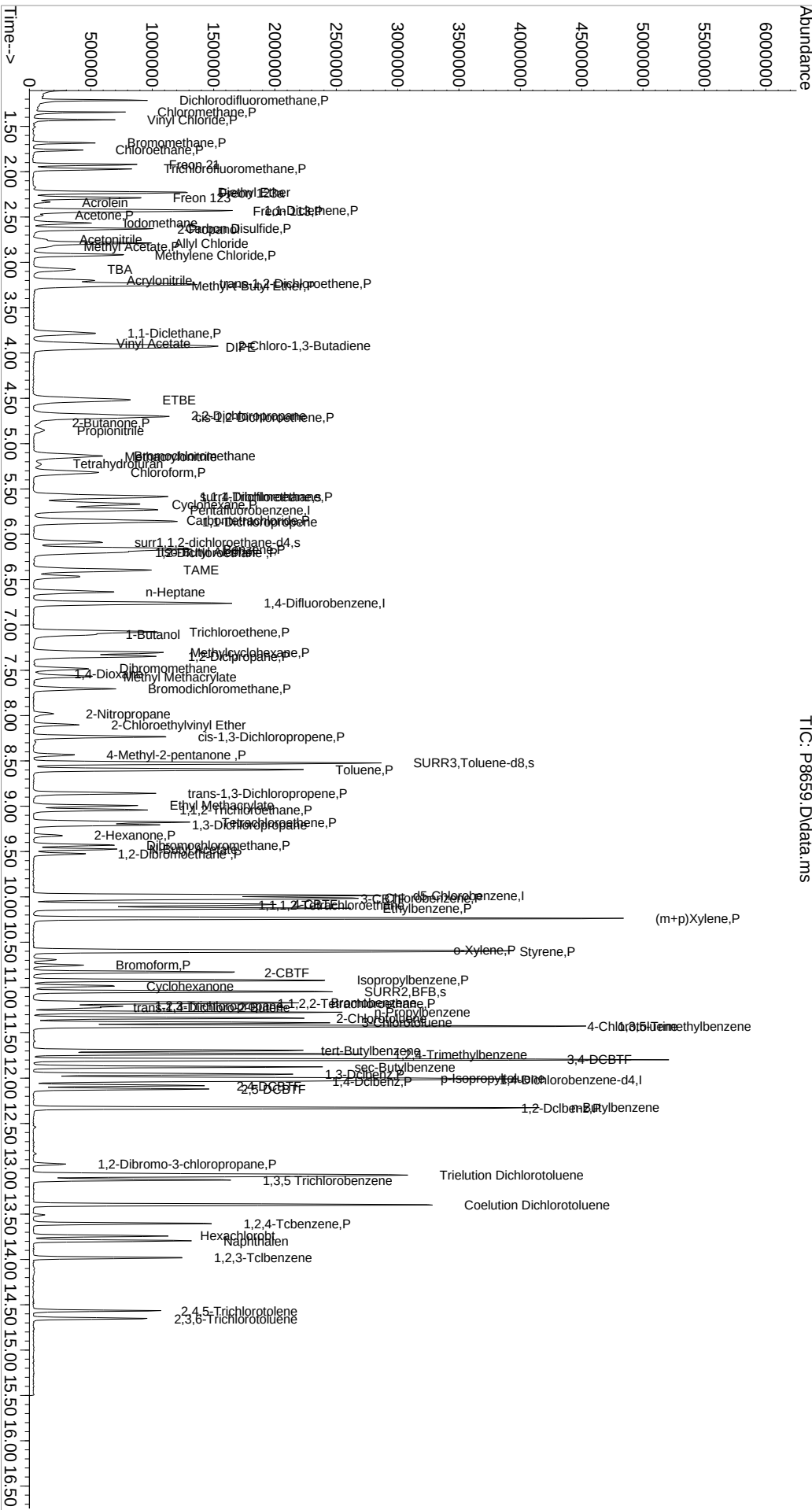
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.955	146	646005	46.37	ppb	97
106) 1,4-Dclbenz	12.034	146	674386	46.37	ppb	99
107) 2,4-DCBTF	12.083	214	232411	36.04	ppb	96
108) 2,5-DCBTF	12.120	214	277403	40.54	ppb	95
109) n-Butylbenzene	12.327	91	897739	42.00	ppb	97
110) 1,2-Dclbenz	12.333	146	616500	47.32	ppb	95
111) 1,2-Dibromo-3-chloropr...	12.949	157	51819	51.60	ppb	86
112) Trielution Dichlorotol...	13.071	125	1453408	129.65	ppb	98
113) 1,3,5 Trichlorobenzene	13.126	180	382988	38.54	ppb	96
114) Coelution Dichlorotoluene	13.400	125	1041859	86.02	ppb	99
115) 1,2,4-Tcbenzene	13.607	180	336037	38.86	ppb	94
116) Hexachlorobt	13.741	225	141329	35.89	ppb	94
117) Naphthalen	13.796	128	758715	47.53	ppb	97
118) 1,2,3-Tclbenzene	13.985	180	288452	40.52	ppb	98
119) 2,4,5-Trichlorotoluene	14.570	159	209388	37.85	ppb	96
120) 2,3,6-Trichlorotoluene	14.656	159	176411	38.30	ppb	95

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

1st 03/24/17
 2nd 03/28/17
 Data Path : I:\ACQDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 PALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration



Tune File : I:\ACQUDATA\msvoa12\Data\032417\P8658.D

Tune Time : 24 Mar 2017 11:42 am

Daily Calibration File : I:\ACQUDATA\msvoa12\Data\032417\P8659.D

850770 1352720 1243550

656950

File	Sample	Surrogate Recovery %				Internal Standard Responses		
P8659.D	CCV	109	109	112	106	850770	1352719	1243548
				656950				
P8660.D	LCS	109	108	109	101	848404	1385870	1265677
				631868				
P8661.D	VBLK	108	113	108	98	847893	1346392	1245937
				604605				
P8662.D	VBLK	106	112	110	103	813734	1315150	1221134
				610173				
P8663.D	R1702494-0	106	108	109	100	826357	1337125	1200065
				607112				
P8664.D	R1702494-0	107	112	109	101	813325	1311709	1201470
				598867				
P8665.D	R1702494-0	108	116	113	102	804580	1272172	1206513
				598915				
P8666.D	R1702494-0	110	114	109	104	794309	1273207	1179916
				589639				
P8667.D	R1702492-0	110	115	109	101	798466	1294865	1205505
				608371				
P8668.D	R1702492-0	105	111	109	99	795066	1288883	1182824
				575521				
P8669.D	R1702492-0	110	113	112	104	803250	1276307	1189488
				596762				
P8670.D	R1702492-0	107	114	107	103	782958	1291743	1179610
				590474				
P8671.D	R1702492-0	105	119	108	100	789923	1291368	1168187
				565263				
P8672.D								

R1702492-0 108 116 110 100 792761 1299243 1178707
 585139

P8673.D

R1702494-0 108 118 108 102 789116 1297747 1187374
 554660

P8674.D

R1702494-0 108 113 106 101 753381 1287303 1171462
 577777

P8675.D

R1702494-0 107 118 109 102 785276 1294532 1187563
 569328

P8676.D

R1702494-0 113 116 108 100 789127 1287942 1166736
 581881

P8677.D

R1702494-0 107 116 110 99 777358 1300663 1194441
 577560

P8678.D

R1702494-0 112 111 111 102 776130 1267266 1154691
 600729

P8679.D

R1702494-0 111 109 111 105 792547 1323384 1217267
 651477

P8680.D

R1702494-0 110 112 112 105 851228 1348920 1256006
 650434

(fails) - fails 12hr time check * - fails criteria

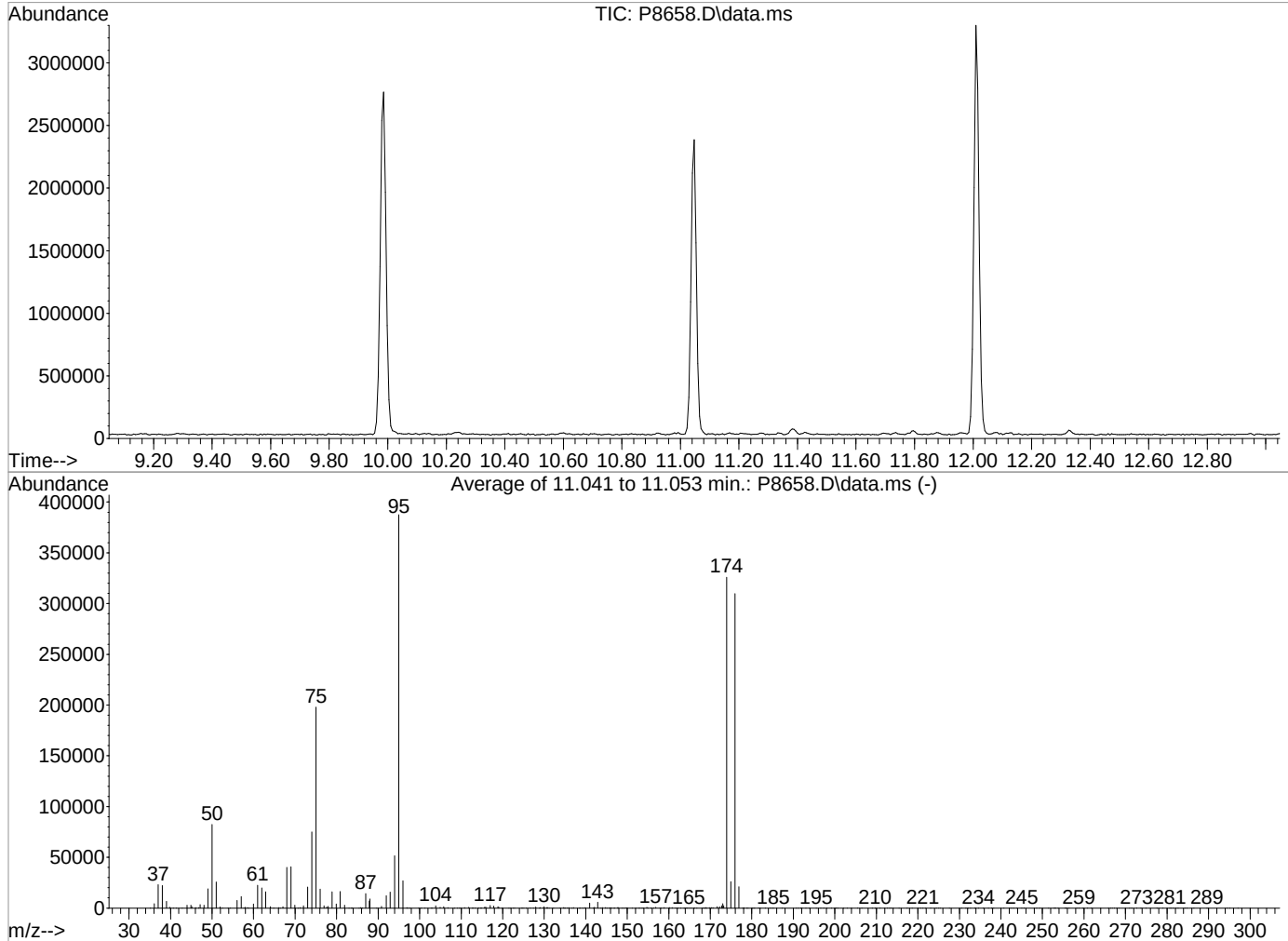
Created: Mon Mar 27 09:51:27 2017 MSVOA-12

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8658.D
 Acq On : 24 Mar 2017 11:42 am
 Operator : K.Ruest
 Sample : TUNE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Title : MS#12 - 8260B WATERS 10mL Purge
 Last Update : Thu Jan 05 10:50:17 2017



AutoFind: Scans 1631, 1632, 1633; Background Corrected with Scan 1622

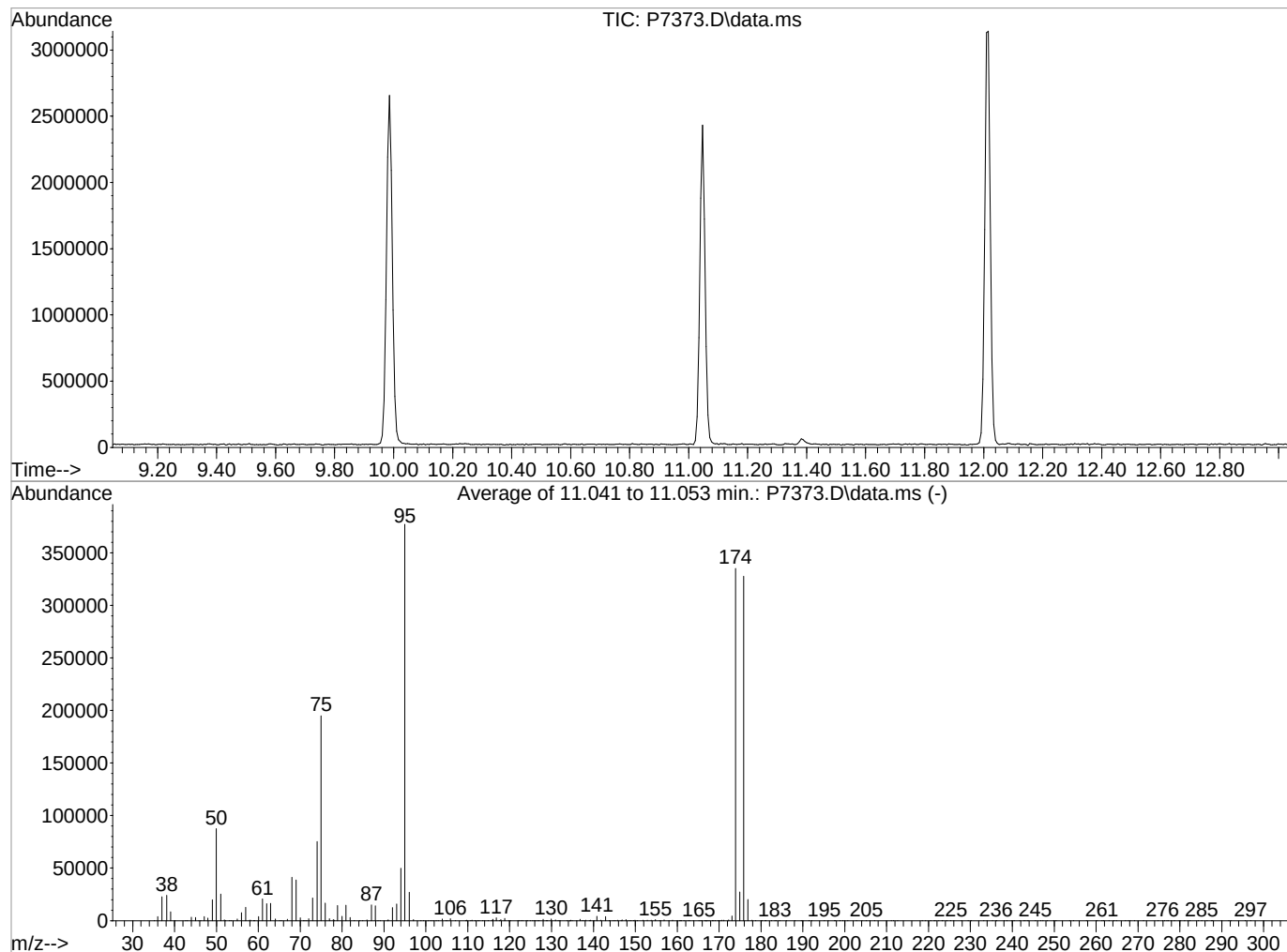
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	82381	PASS
75	95	30	60	51.1	198068	PASS
95	95	100	100	100.0	387648	PASS
96	95	5	9	7.0	26963	PASS
173	174	0.00	2	1.4	4410	PASS
174	95	50	120	84.1	325952	PASS
175	174	5	9	7.9	25888	PASS
176	174	95	101	95.1	309867	PASS
177	176	5	9	6.8	21149	PASS

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7373.D
 Acq On : 4 Jan 2017 12:23 pm
 Operator : K.Ruest
 Sample : TUNE
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Title : MS#12 - 8260B WATERS 10mL Purge
 Last Update : Wed Jan 04 10:42:28 2017



AutoFind: Scans 1631, 1632, 1633; Background Corrected with Scan 1624

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	87505	PASS
75	95	30	60	51.7	195029	PASS
95	95	100	100	100.0	377278	PASS
96	95	5	9	7.1	26960	PASS
173	174	0.00	2	1.3	4364	PASS
174	95	50	120	88.9	335275	PASS
175	174	5	9	8.1	27277	PASS
176	174	95	101	97.7	327723	PASS
177	176	5	9	6.1	20112	PASS

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7374.D
 Acq On : 4 Jan 2017 12:53 pm
 Operator : K.Ruest
 Sample : IBLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 12:12:09 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

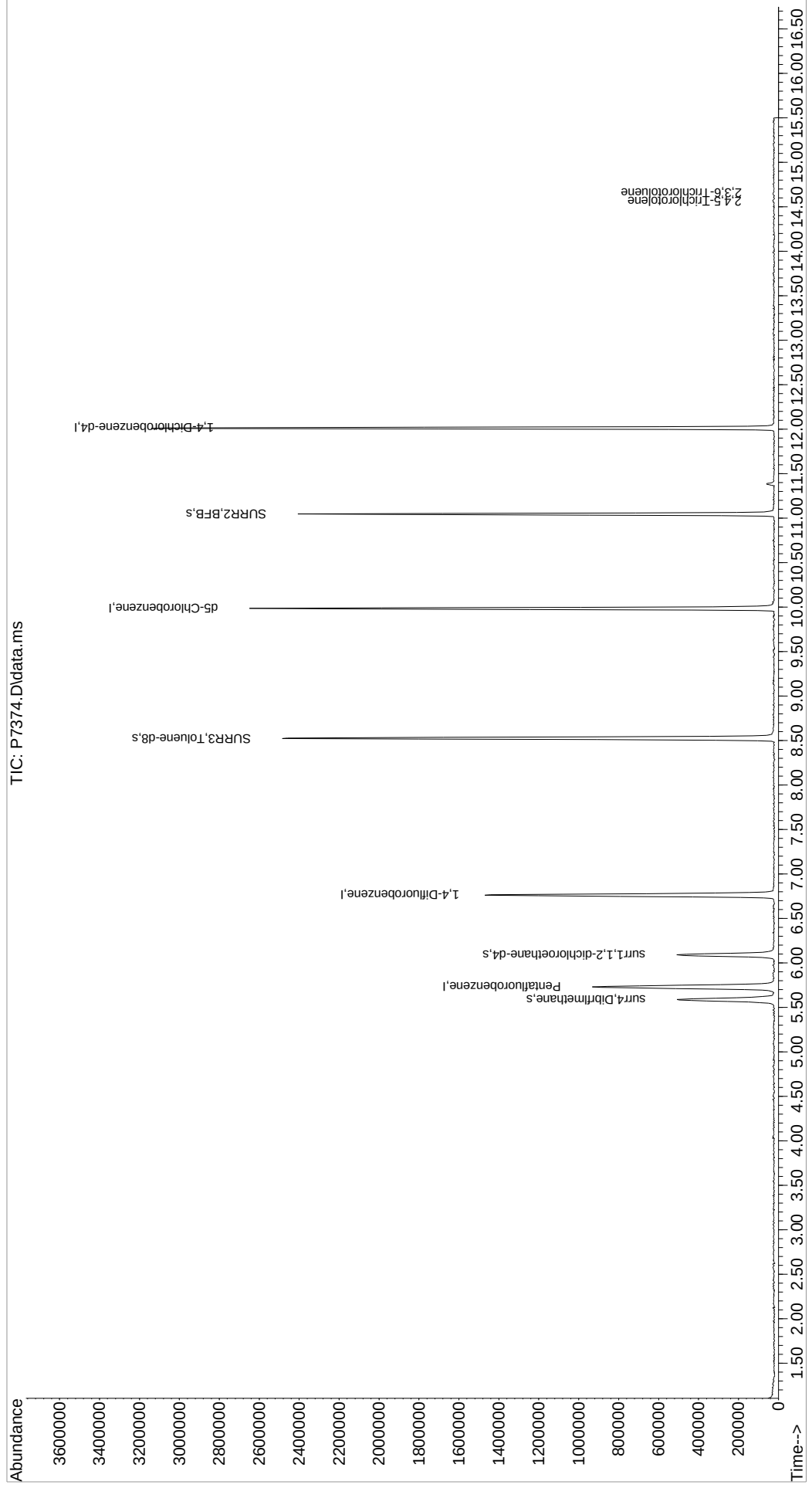
Internal Standards						
1) Pentafluorobenzene	5.731	168	765153	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.767	114	1218402	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1180292	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	629737	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.590	113	361297	54.95	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 109.90%			
48) surr1,1,2-dichloroetha...	6.090	65	391877	53.68	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.36%			
65) SURR3,Toluene-d8	8.523	98	1503931	55.33	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 110.66%			
70) SURR2,BFB	11.047	95	574768	54.57	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 109.14%			
Target Compounds						Qvalue
119) 2,4,5-Trichlorotolene	14.564	159	1534	0.29	ppb	# 73
120) 2,3,6-Trichlorotoluene	14.656	159	1628	0.37	ppb	# 71

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

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7374.D
 Acq On : 4 Jan 2017 12:53 pm
 Operator : K.Ruest
 Sample : IBLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSV0A-12

Quant Time: Jan 05 12:12:09 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration



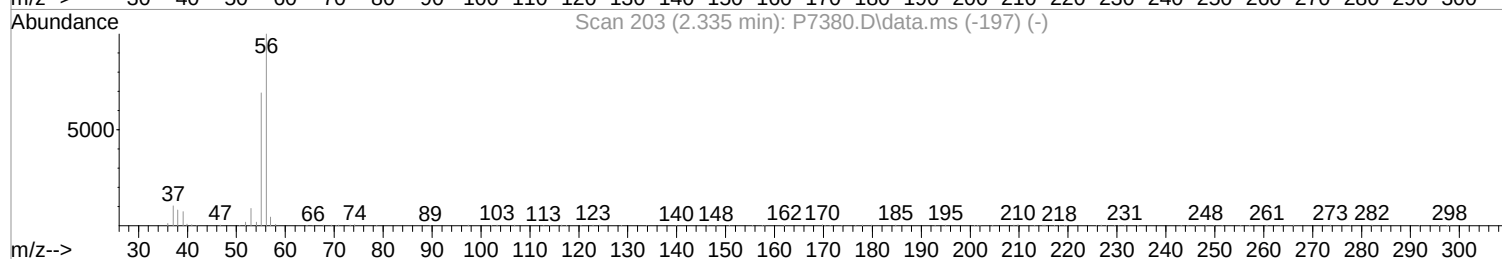
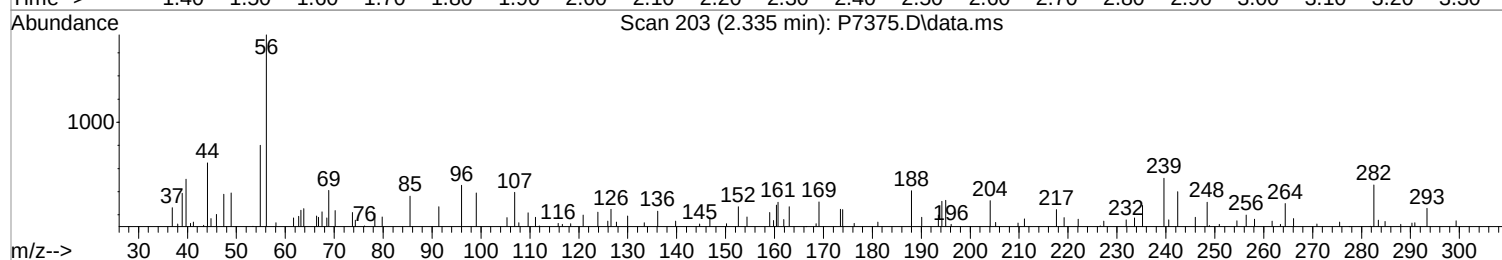
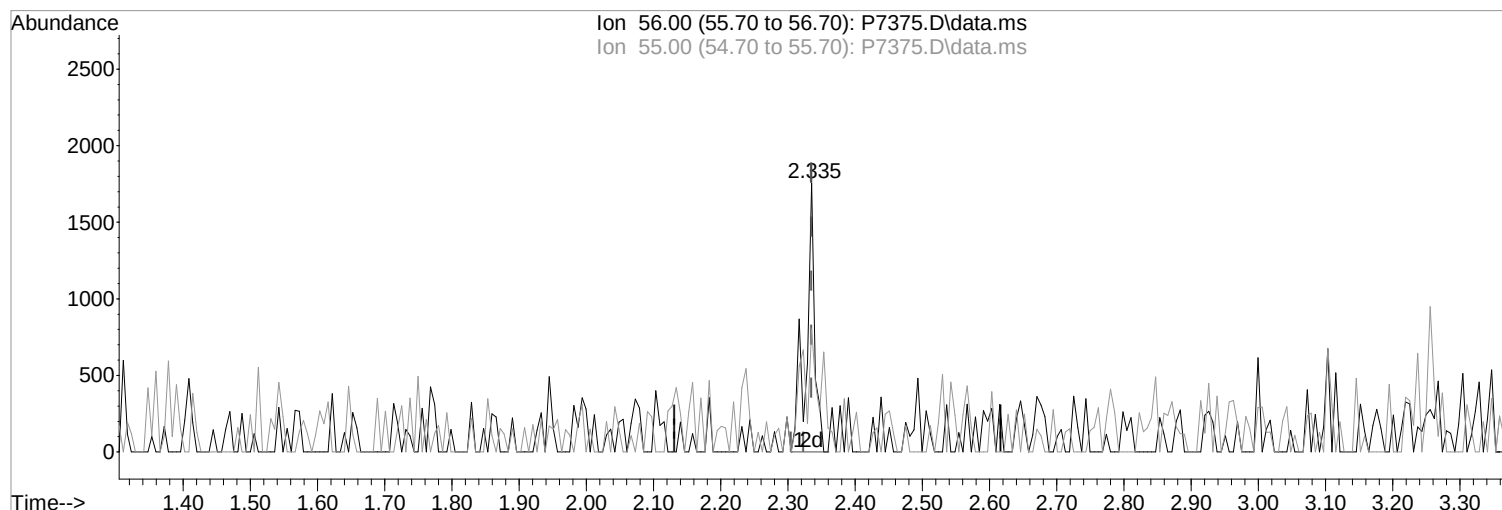
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(12) Acrolein

Manual Integration:

2.335min (+0.000) 2.71 ppb m

After

response 1586

Split Peak

01/05/17

Ion	Exp%	Act%
56.00	100	100
55.00	69.60	45.67#
0.00	0.00	0.00
0.00	0.00	0.00

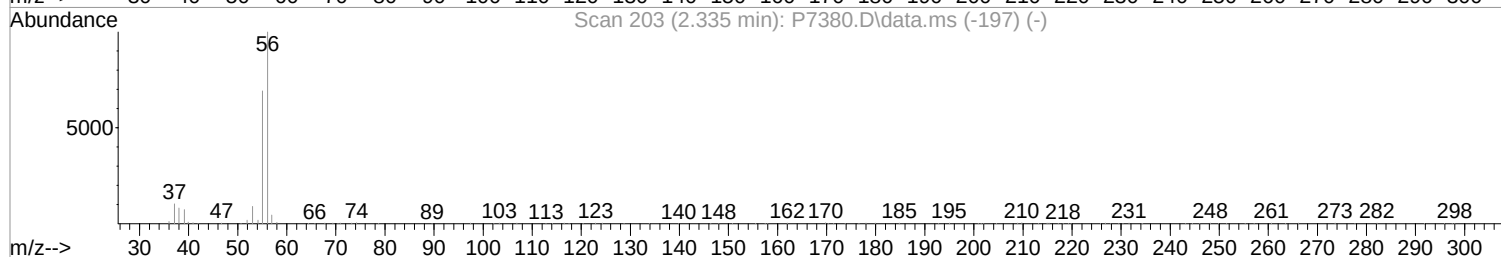
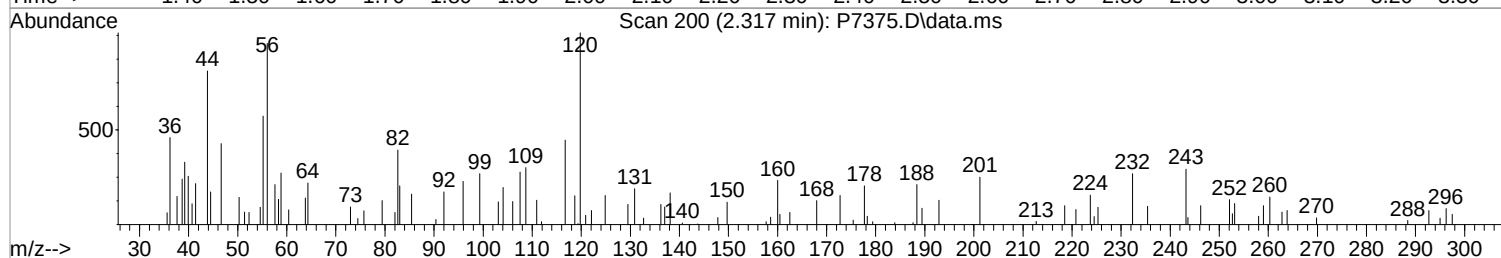
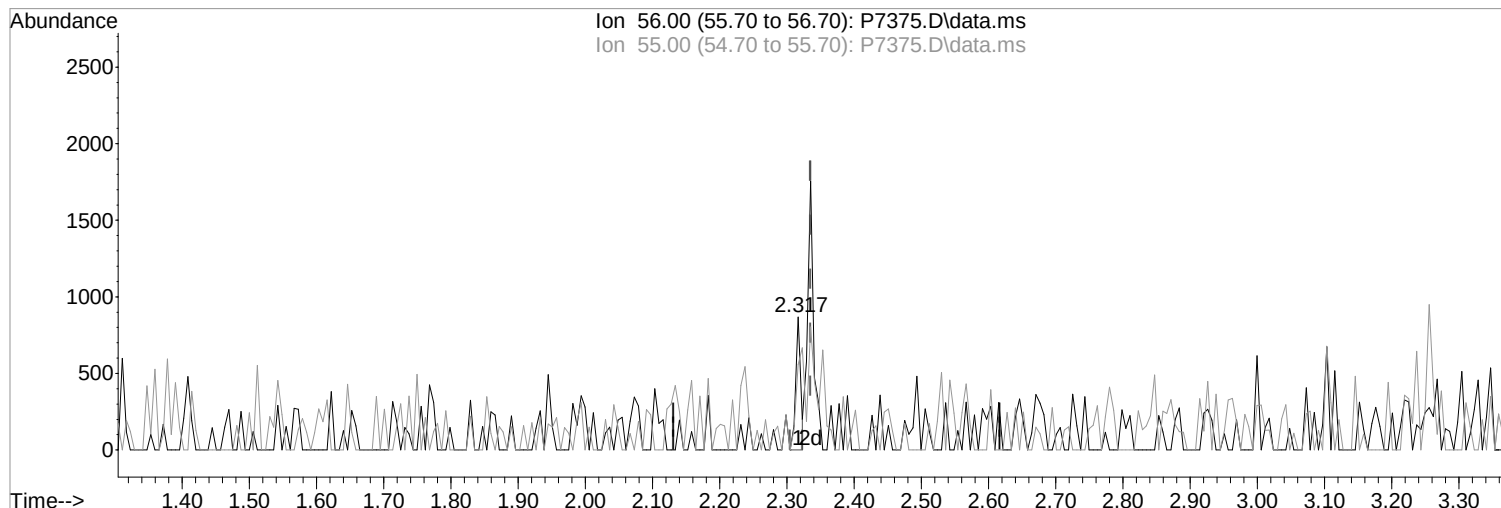
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(12) Acrolein

Manual Integration:

2.317min (-0.018) 0.77 ppb

Before

response 448

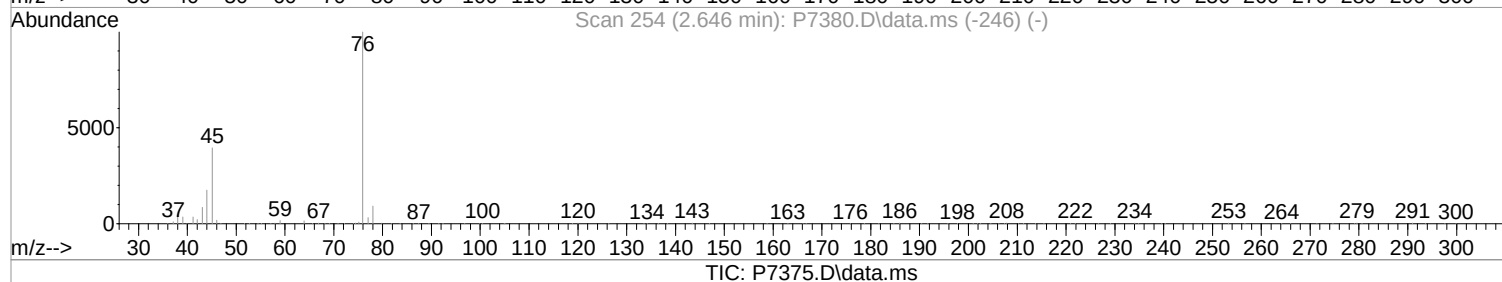
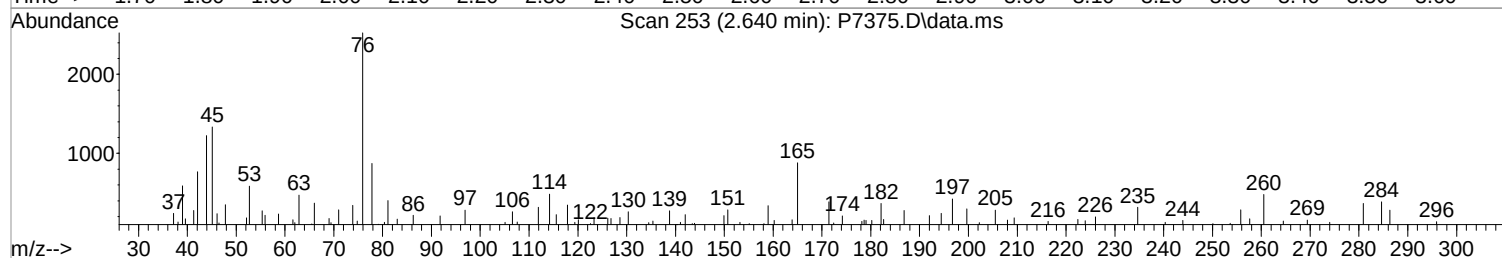
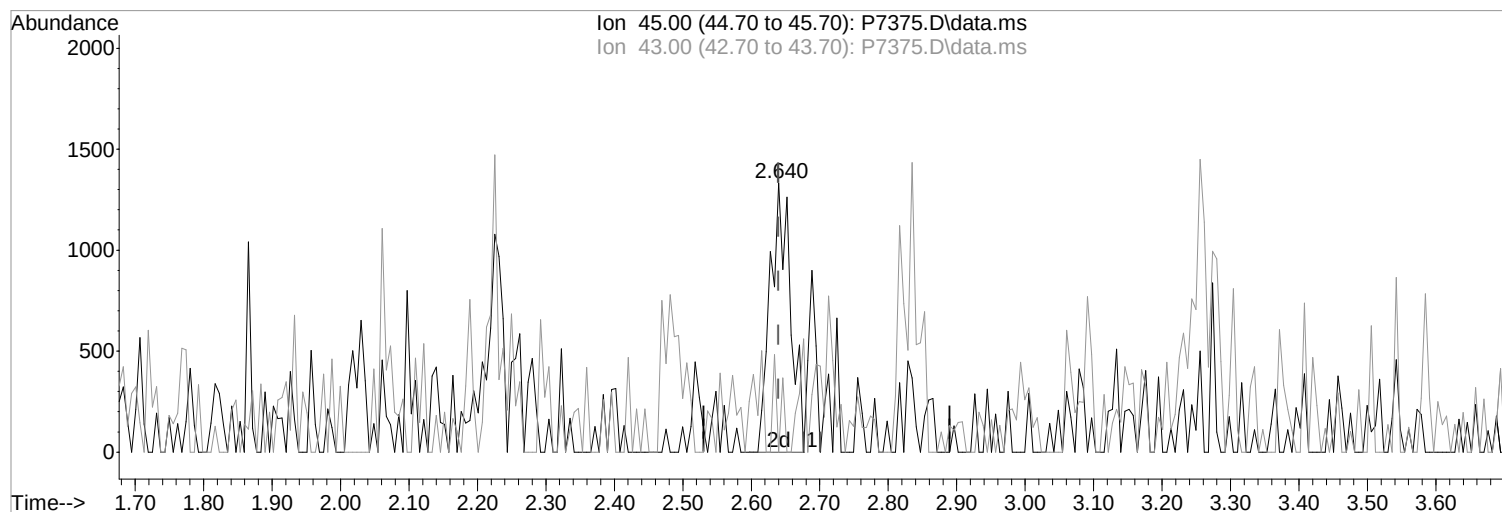
Ion	Exp%	Act%
56.00	100	100
55.00	69.60	64.48
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(16) 2-Propanol

2.640min (+0.000) 15.15 ppb m

response 2729

Ion	Exp%	Act%
45.00	100	100
43.00	21.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

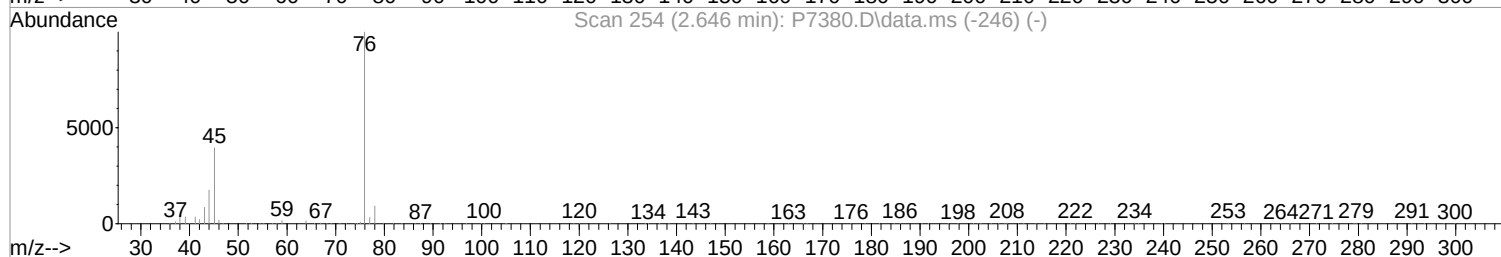
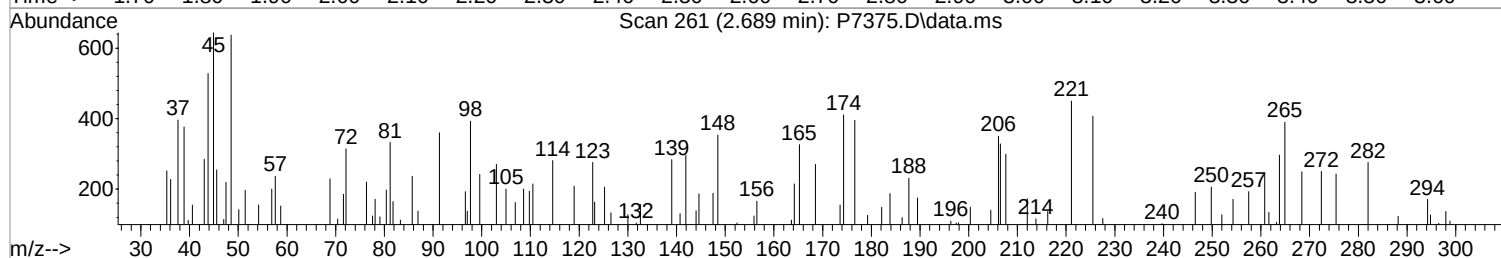
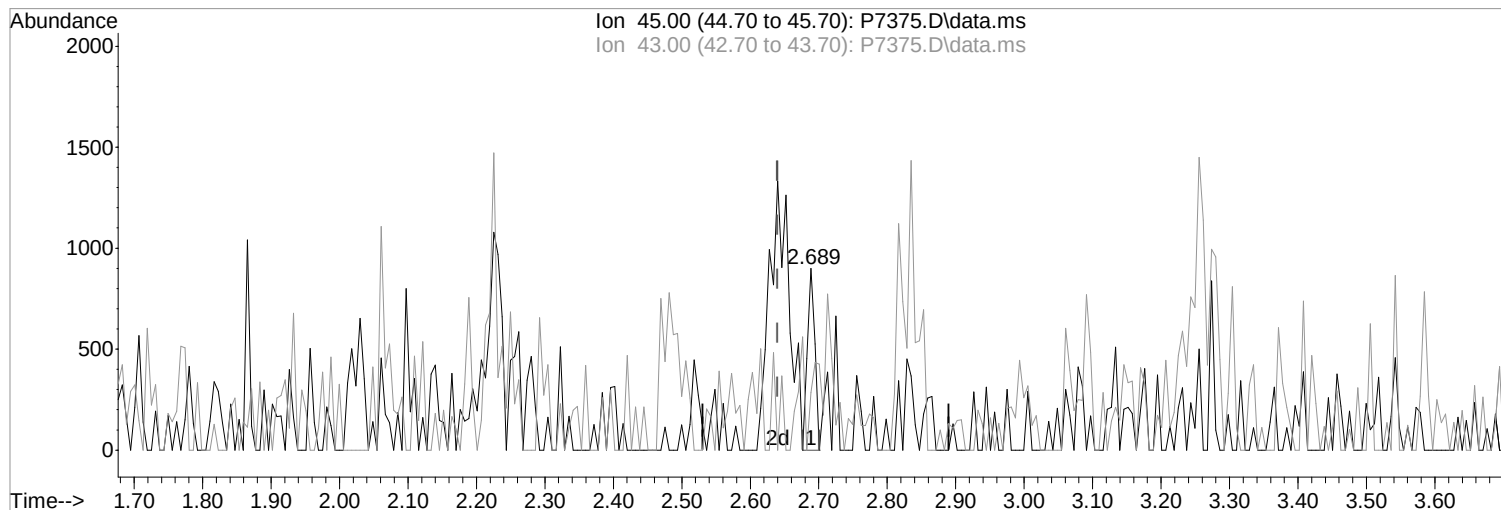
Wrong peak selected.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(16) 2-Propanol

Manual Integration:

2.689min (+0.049) 3.81 ppb

Before

response 686

Ion	Exp%	Act%
45.00	100	100
43.00	21.80	31.70
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

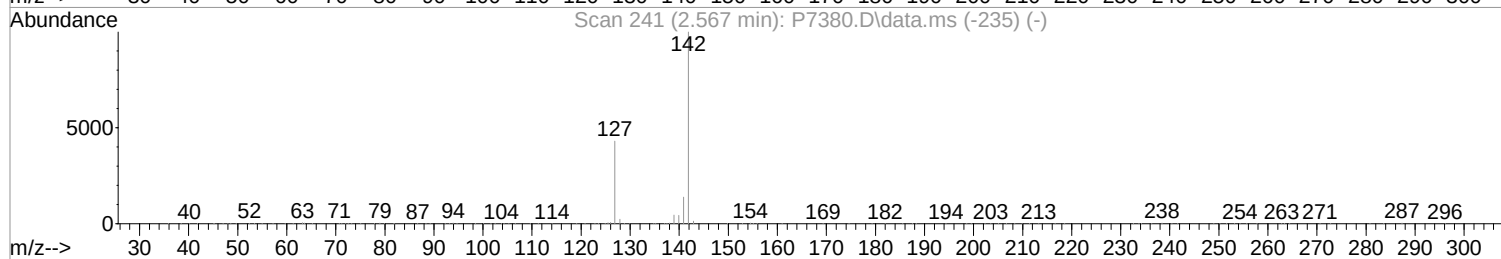
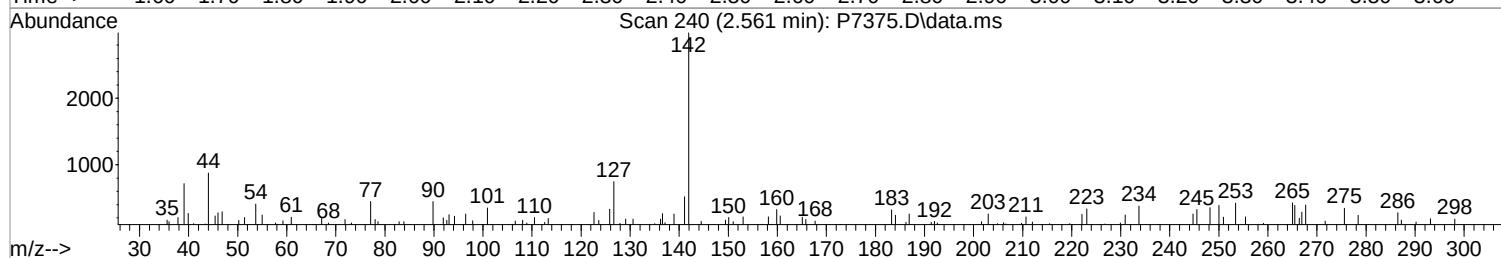
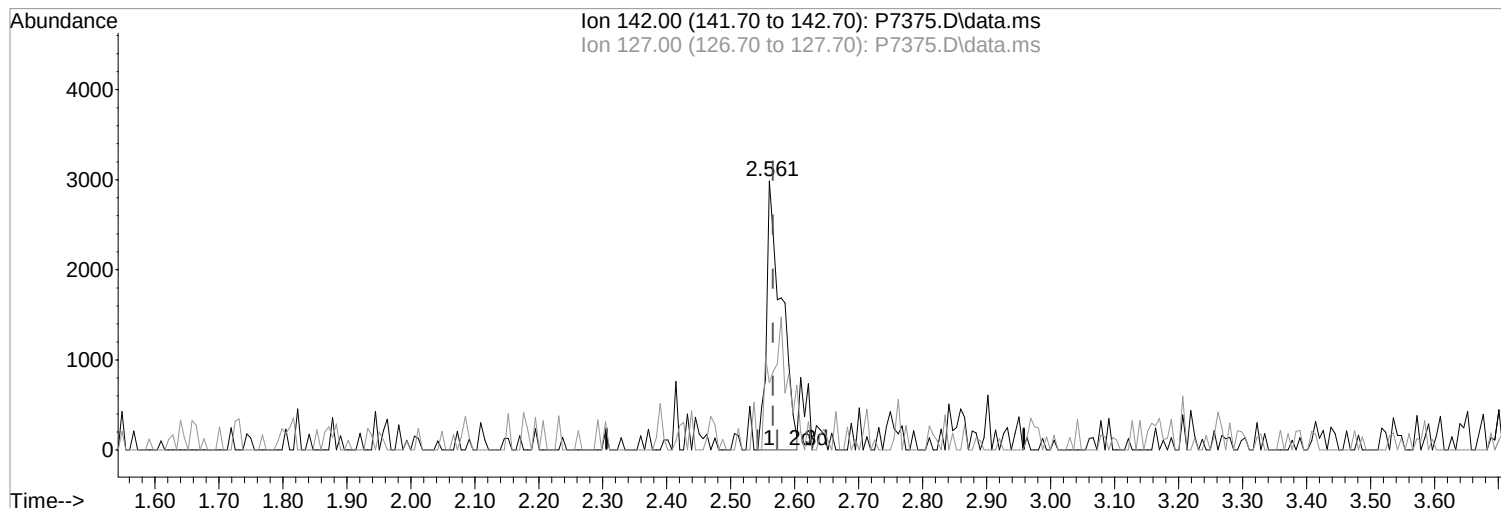
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(17) Iodomethane

2.561min (-0.006) 0.60 ppb m

response 4797

Ion	Exp%	Act%
142.00	100	100
127.00	43.10	24.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

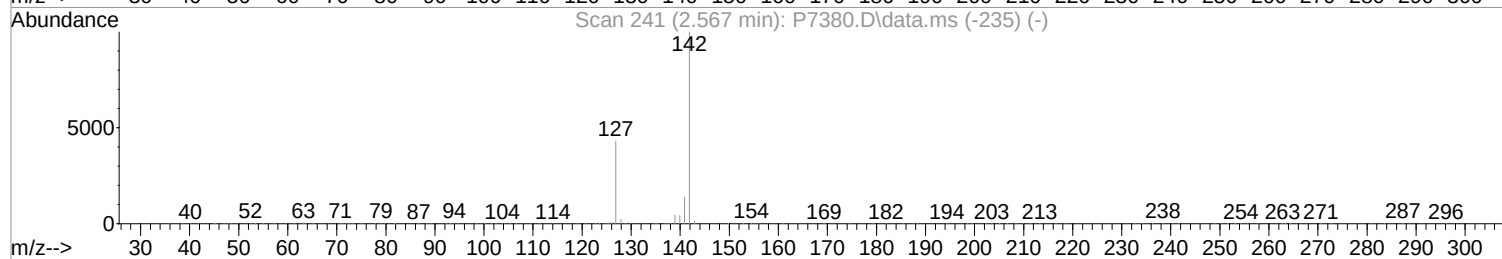
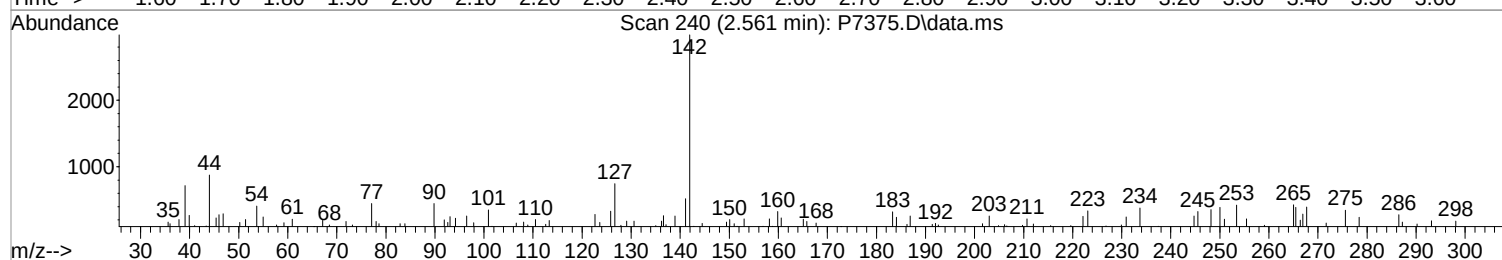
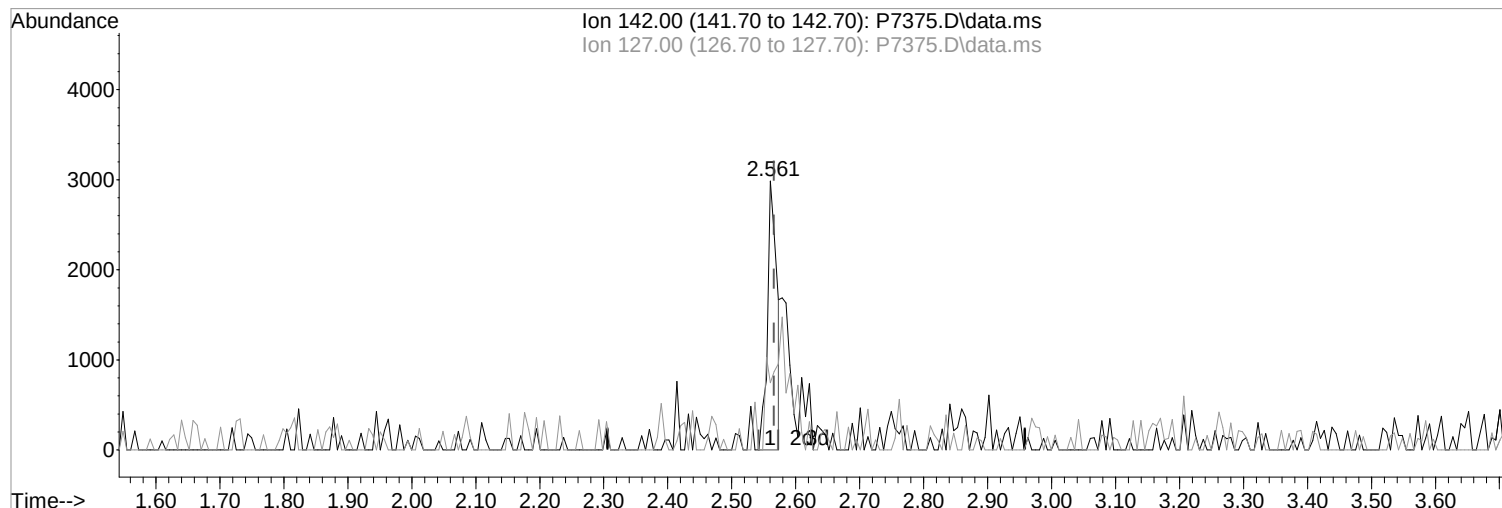
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(17) Iodomethane

Manual Integration:

2.561min (-0.006) 0.38 ppb

Before

response 3040

Ion Exp% Act%

01/05/17

142.00 100 100

127.00 43.10 24.98

0.00 0.00 0.00

0.00 0.00 0.00

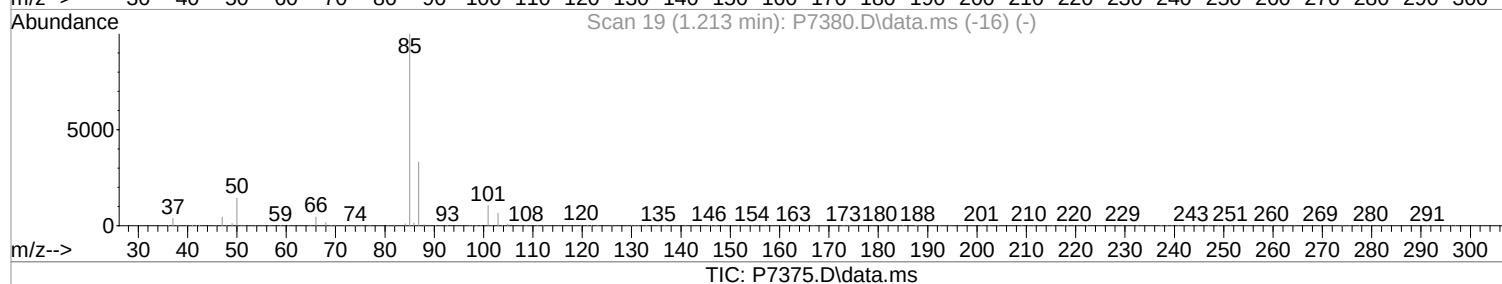
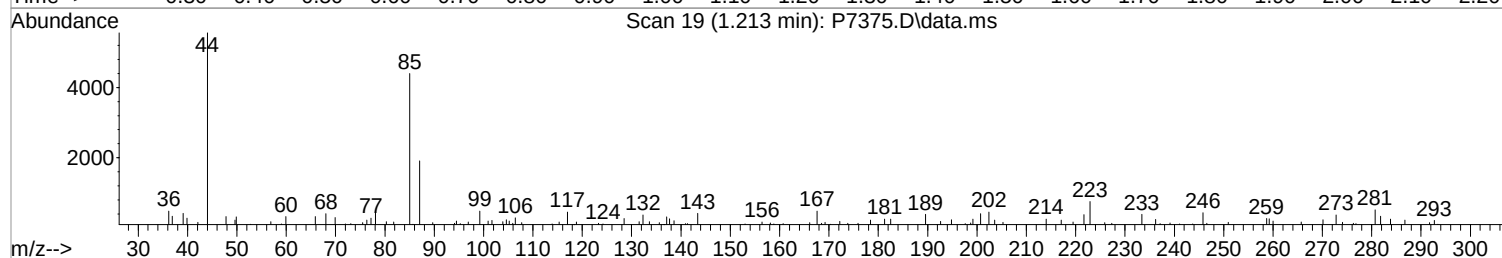
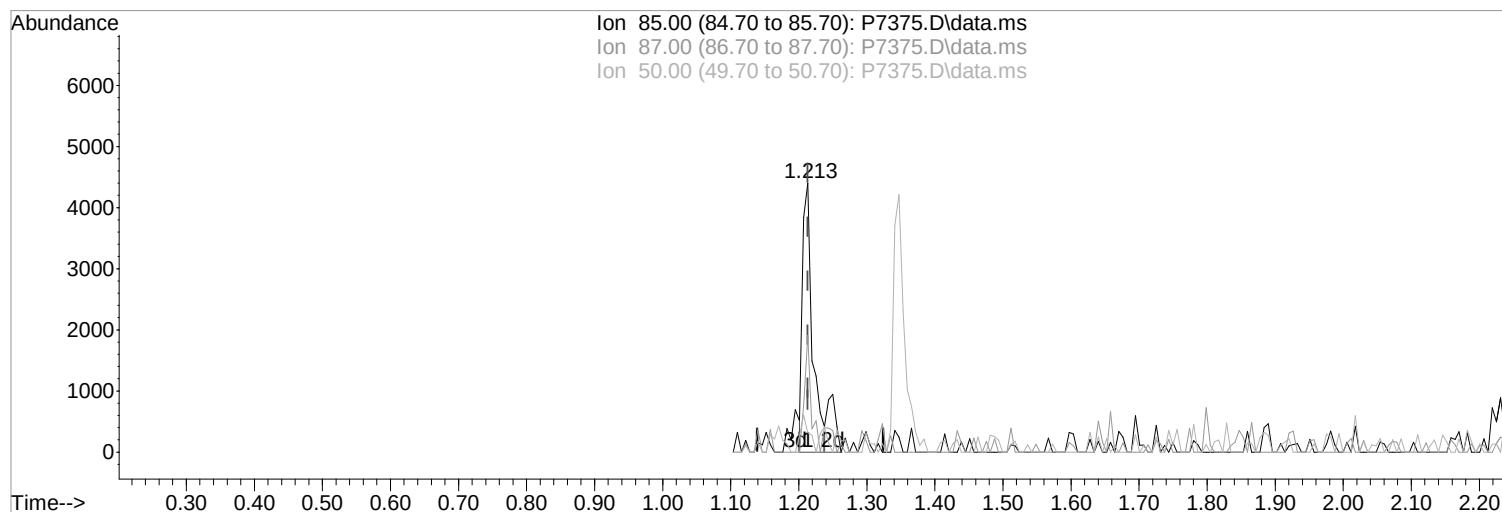
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(2) Dichlorodifluoromethane (P)

Manual Integration:

1.213min (+0.000) 0.55 ppb m

After

response 5216

Split Peak

Ion	Exp%	Act%
85.00	100	100
87.00	33.20	43.34
50.00	14.20	7.22
0.00	0.00	0.00

01/05/17

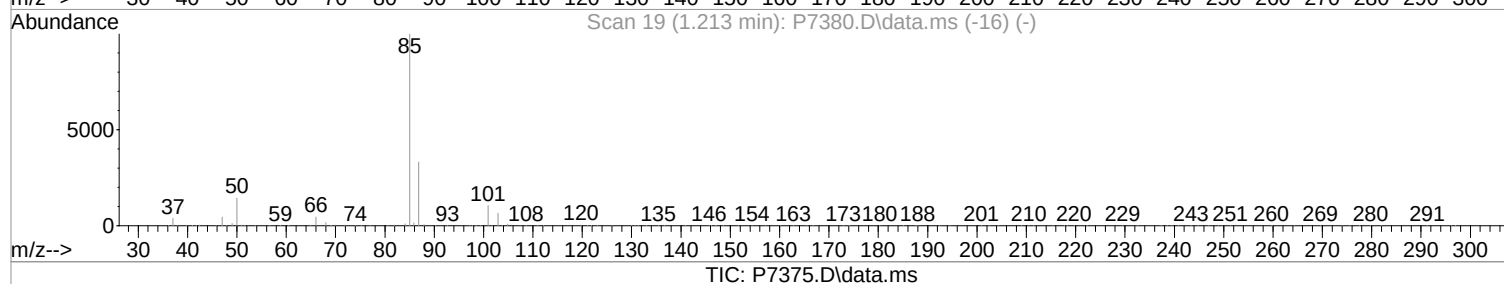
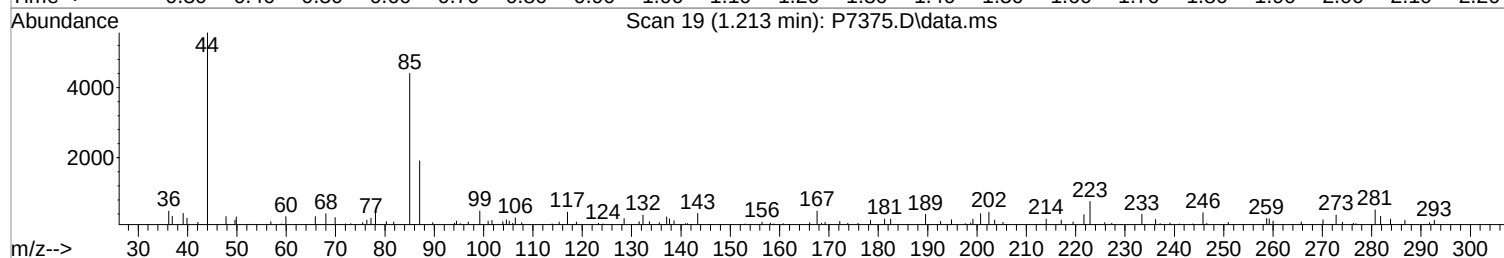
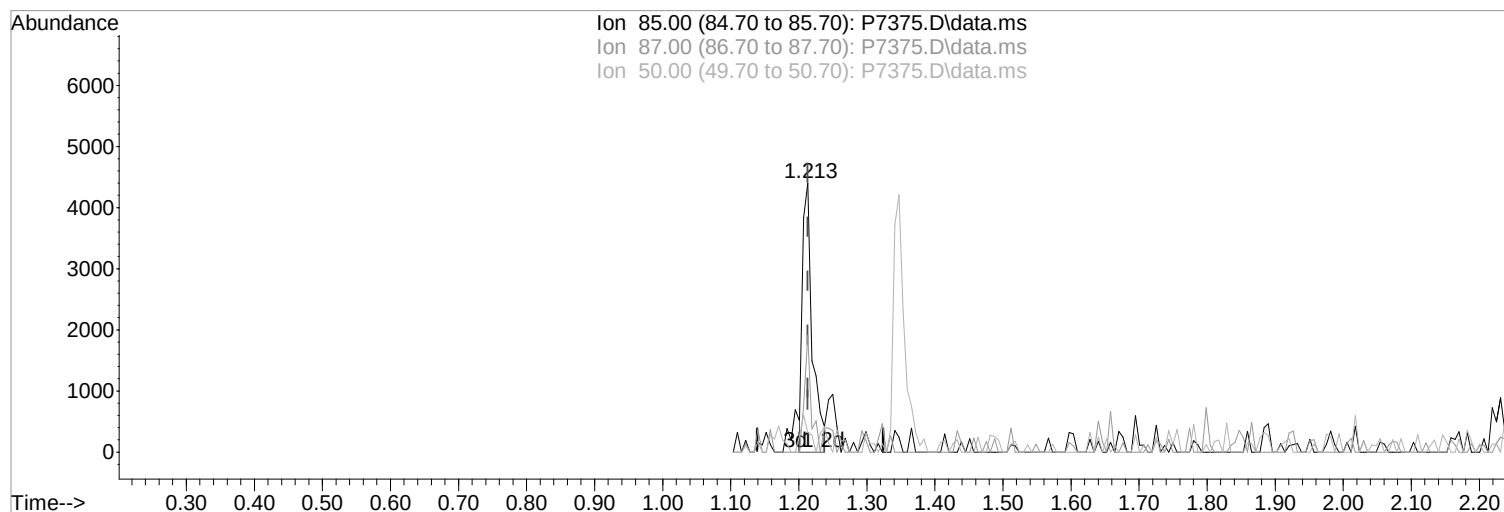
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(2) Dichlorodifluoromethane (P)

Manual Integration:

1.213min (+0.000) 0.47 ppb

Before

response 4404

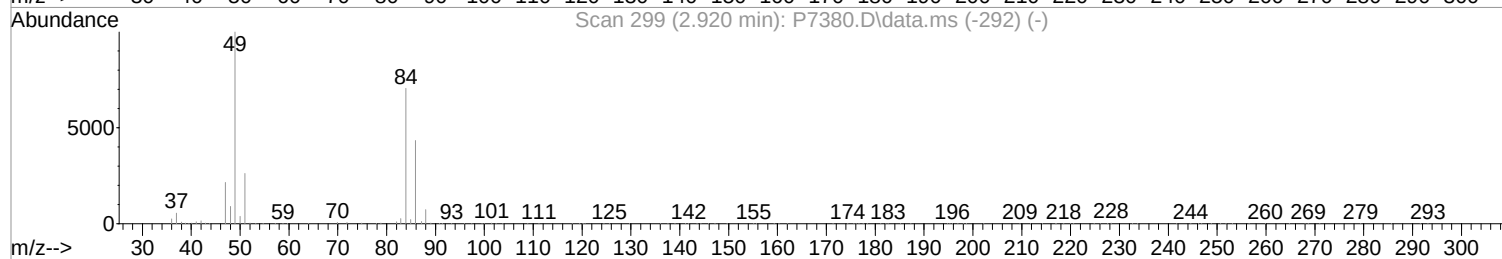
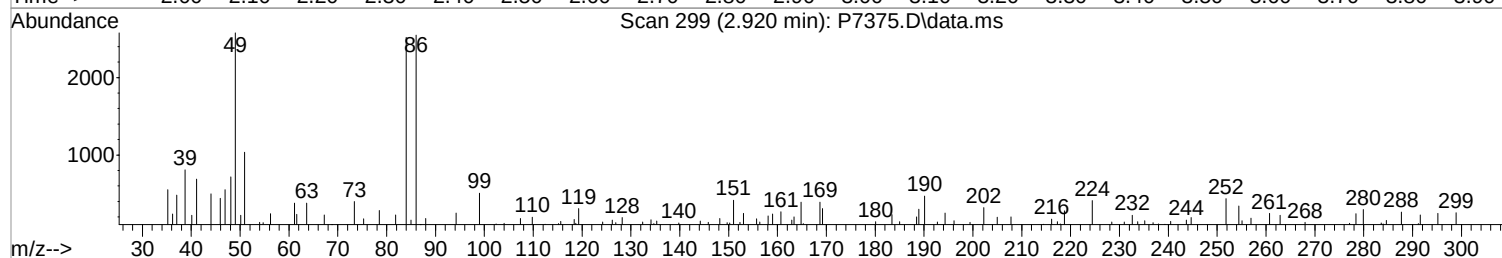
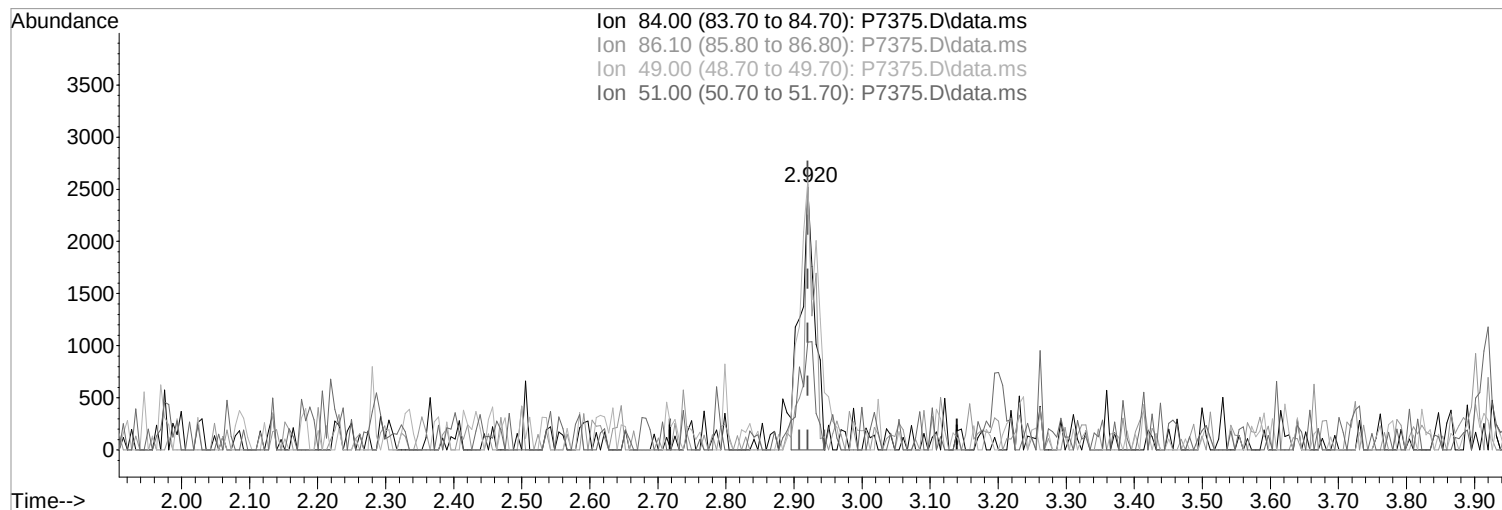
Ion	Exp%	Act%
85.00	100	100
87.00	33.20	42.34
50.00	14.20	7.06
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(22) Methylene Chloride (P)

2.920min (+0.000) 0.61 ppb m

response 3649

Ion	Exp%	Act%

84.00	100	100

86.10	61.50	101.19#

49.00	142.00	102.34#

51.00	37.20	41.07

Manual Integration:

After

Split Peak

01/05/17

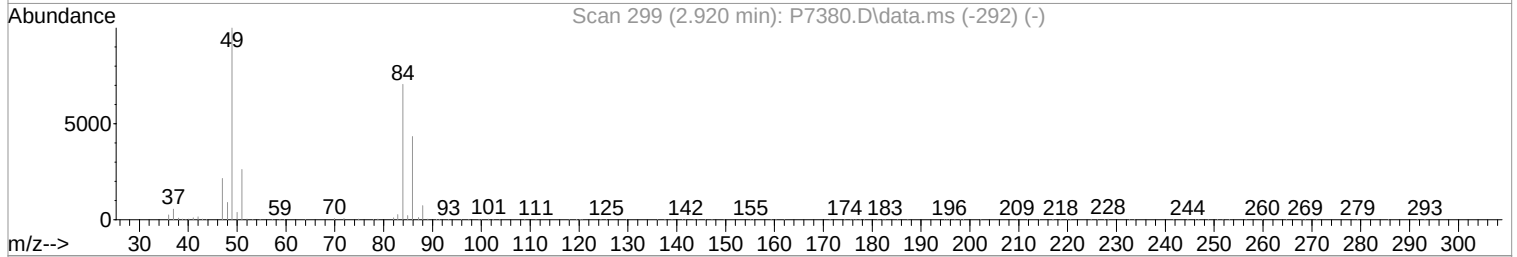
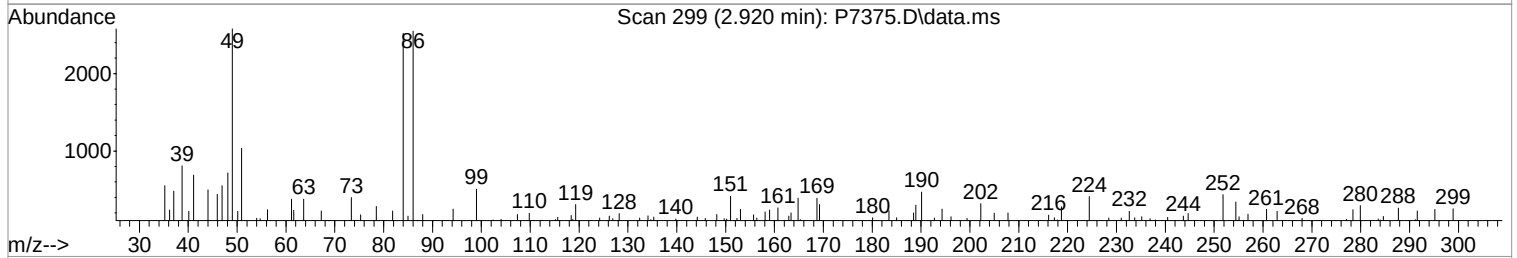
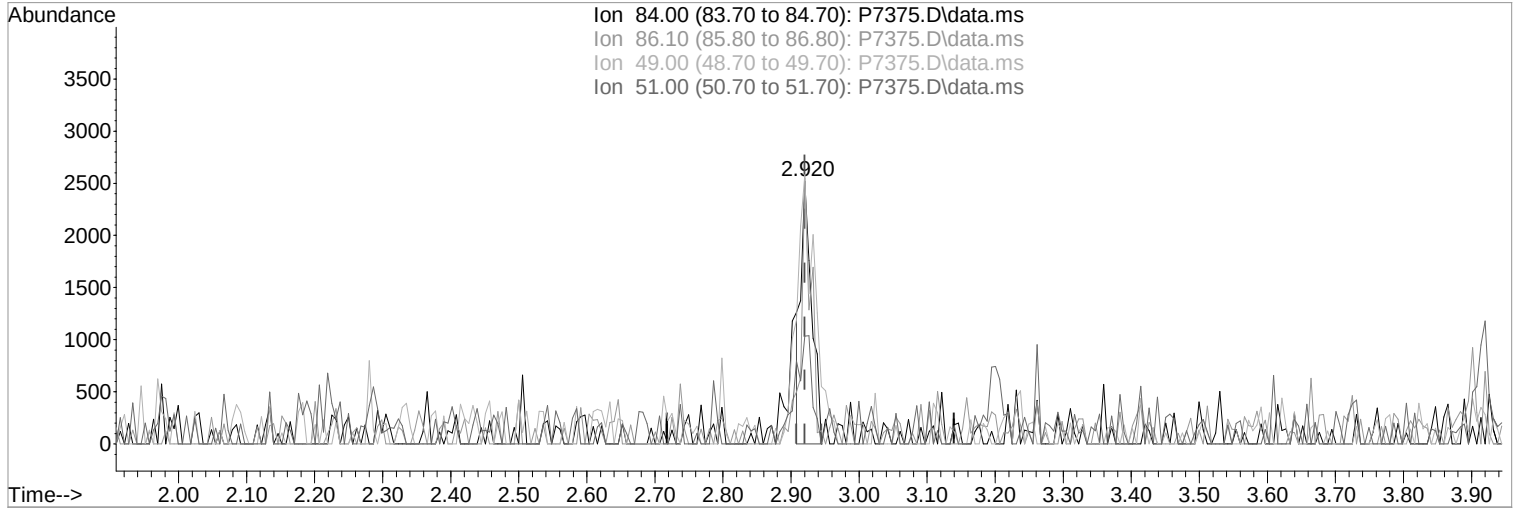
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(22) Methylene Chloride (P)

Manual Integration:

2.920min (+0.000) 0.46 ppb

Before

response 2756

Ion Exp% Act%

01/05/17

84.00 100 100

86.10 61.50 101.19#

49.00 142.00 102.34#

51.00 37.20 41.07

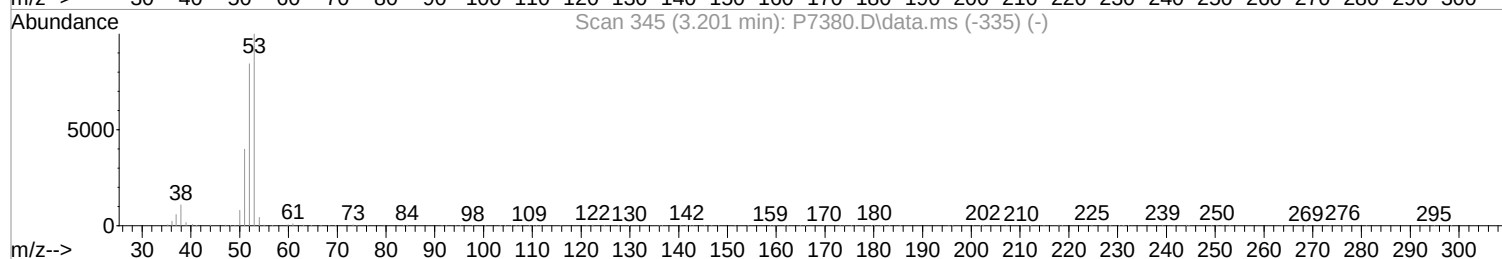
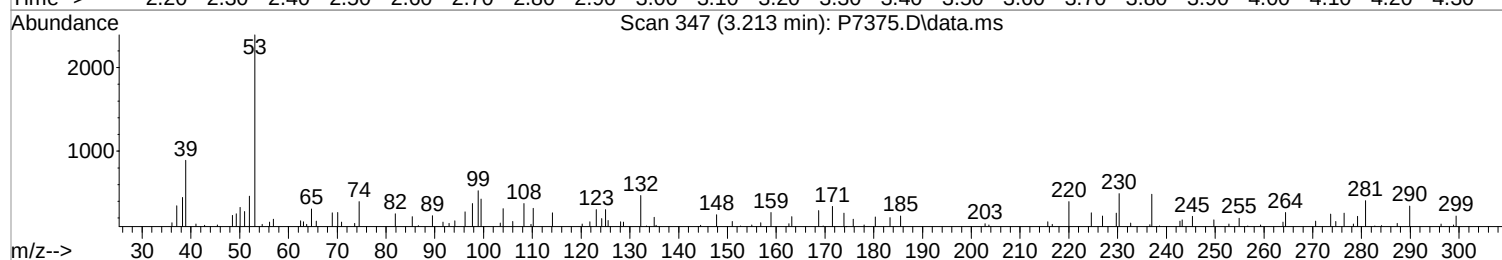
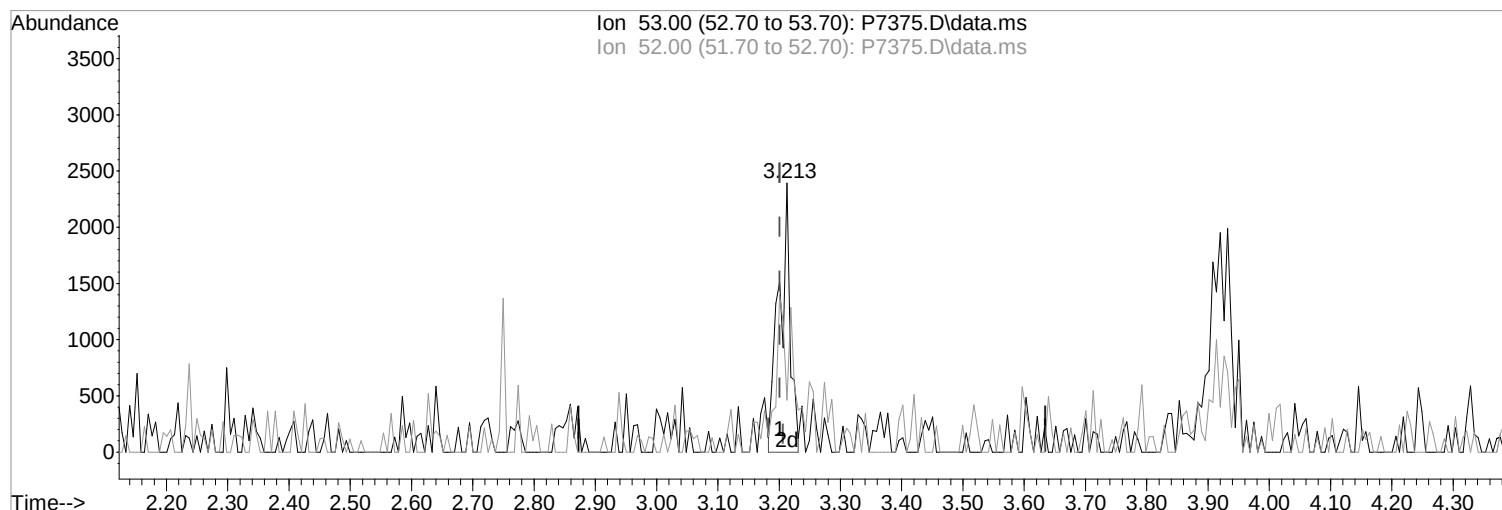
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(24) Acrylonitrile

Manual Integration:

3.213min (+0.012) 2.23 ppb m

After

response 3000

Split Peak

Ion Exp% Act%

01/05/17

53.00 100 100

52.00 84.30 19.35#

0.00 0.00 0.00

0.00 0.00 0.00

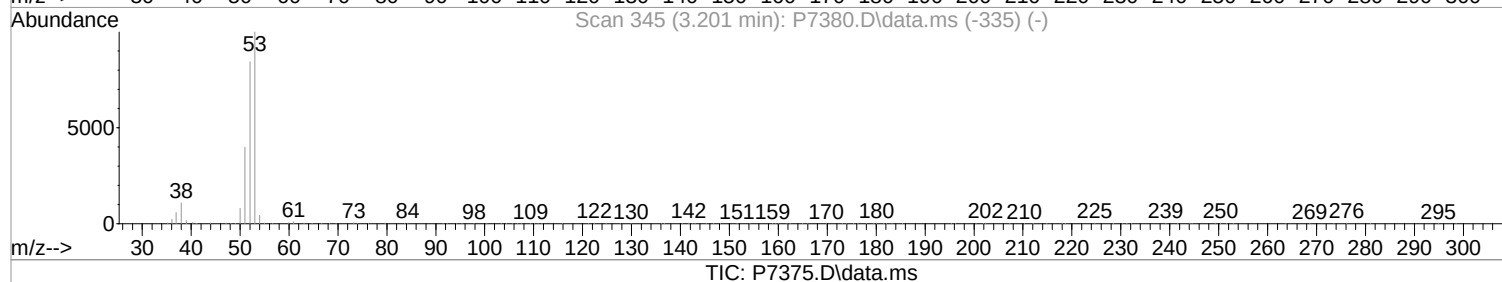
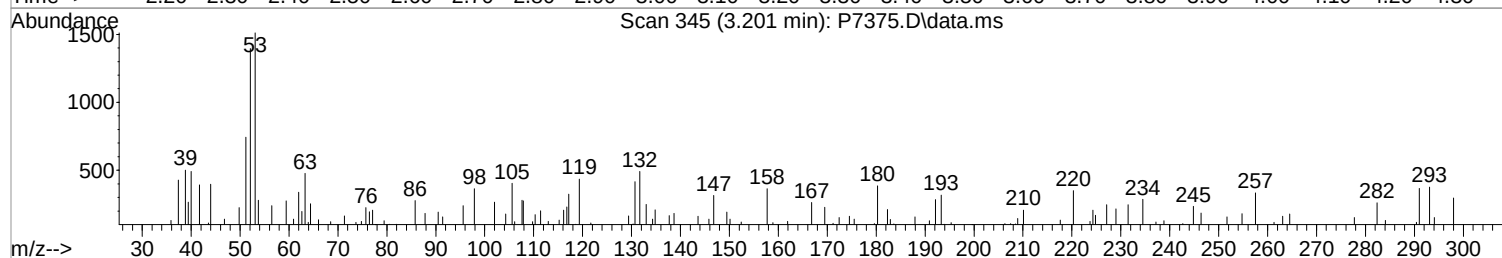
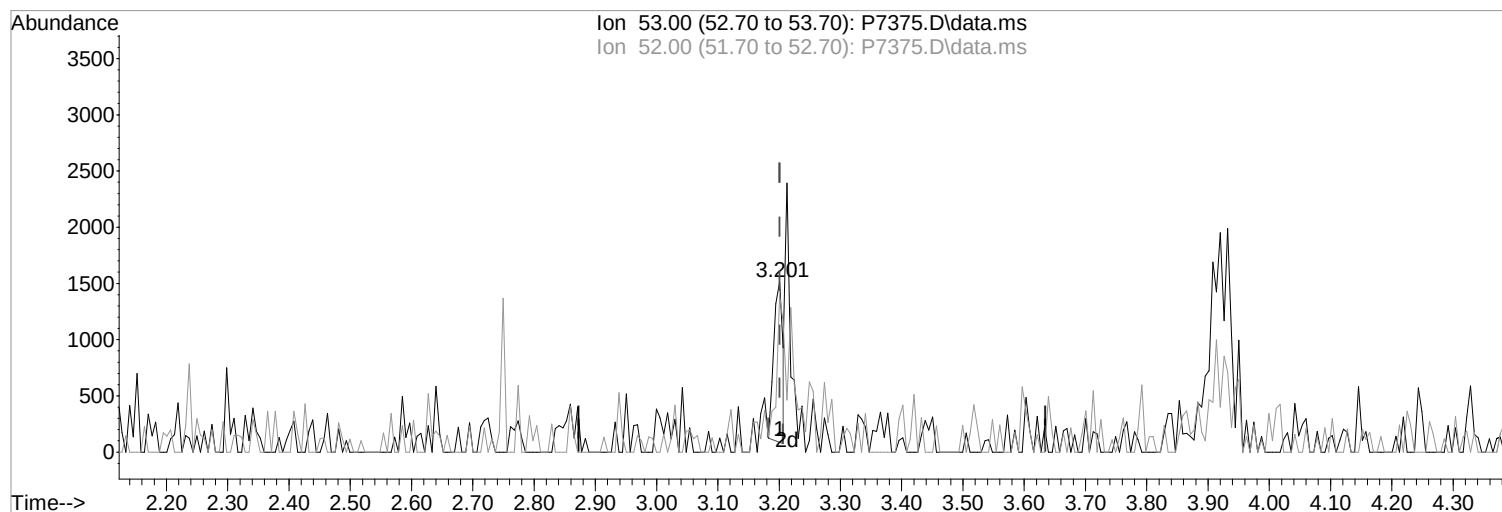
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(24) Acrylonitrile

Manual Integration:

3.201min (+0.000) 1.08 ppb

Before

response 1457

Ion	Exp%	Act%
53.00	100	100
52.00	84.30	77.99
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

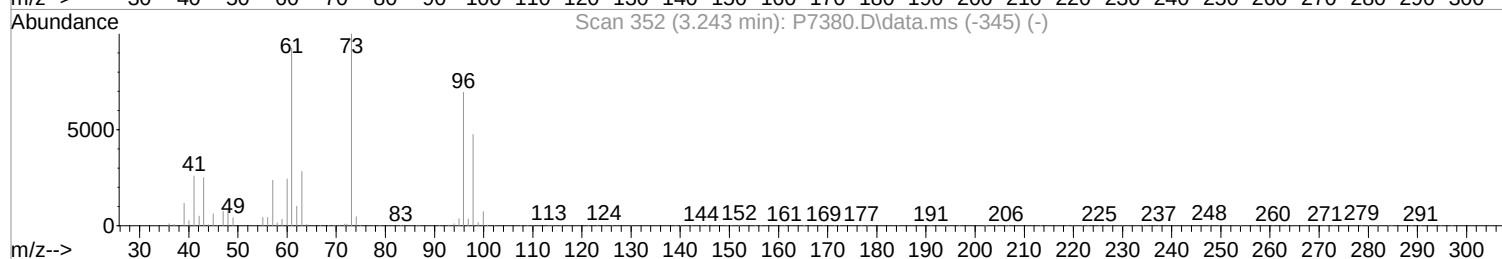
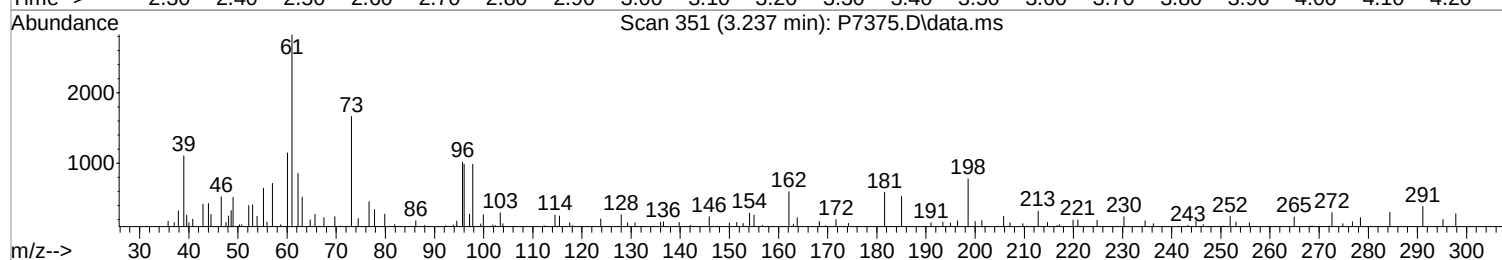
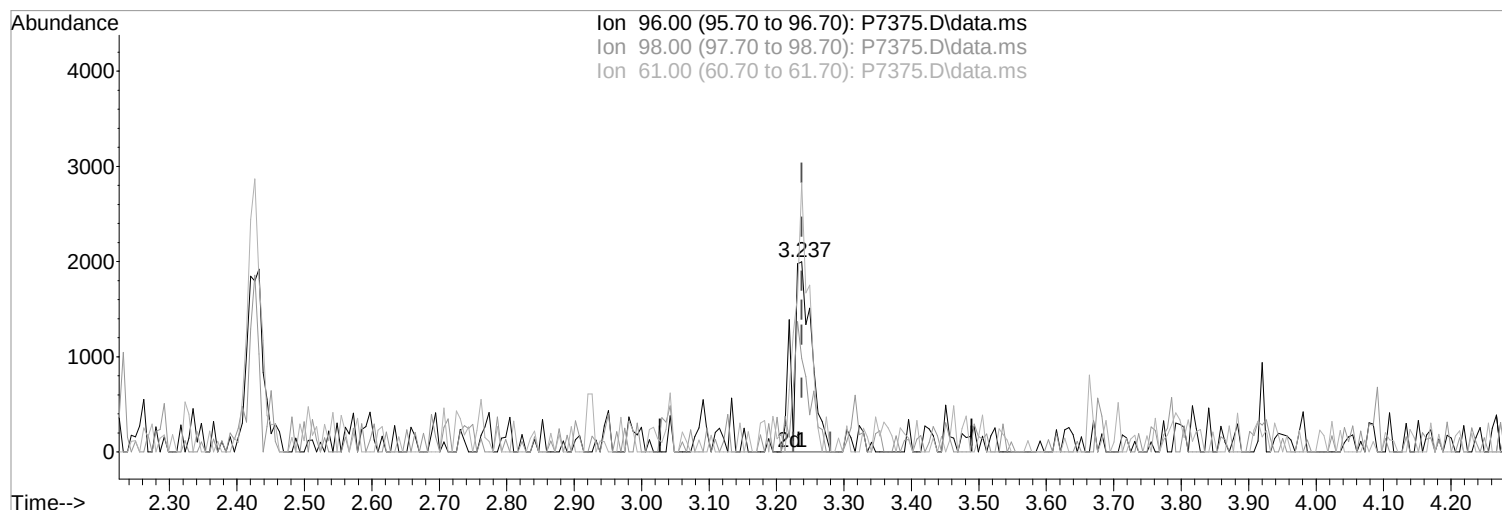
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(26) trans-1,2-Dichloroethene (P)

Manual Integration:

3.237min (+0.000) 0.60 ppb m

After

response 3799

Split Peak

Ion	Exp%	Act%
96.00	100	100
98.00	68.30	96.94#
61.00	133.80	278.60#
0.00	0.00	0.00

01/05/17

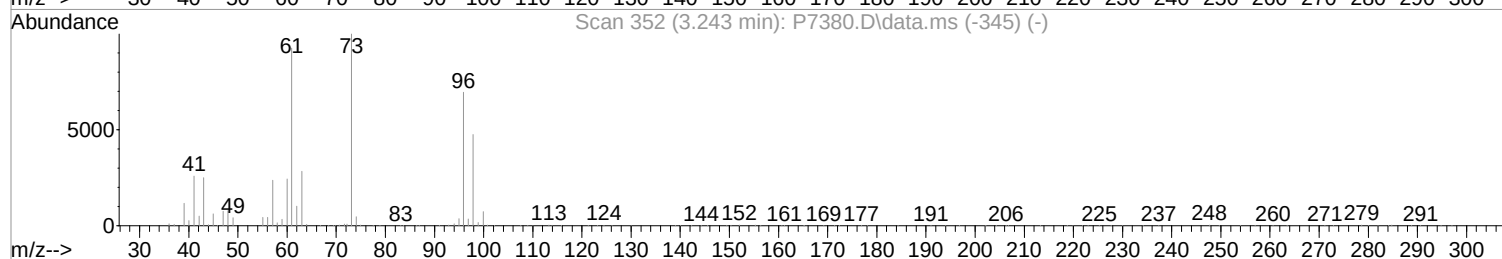
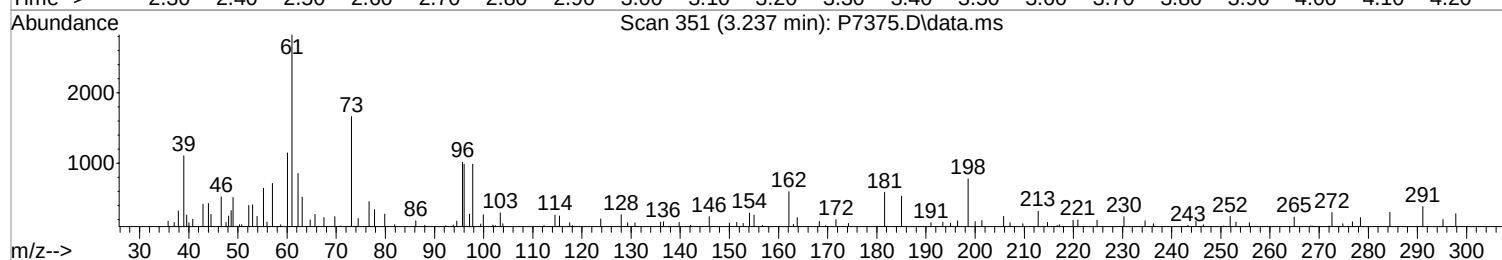
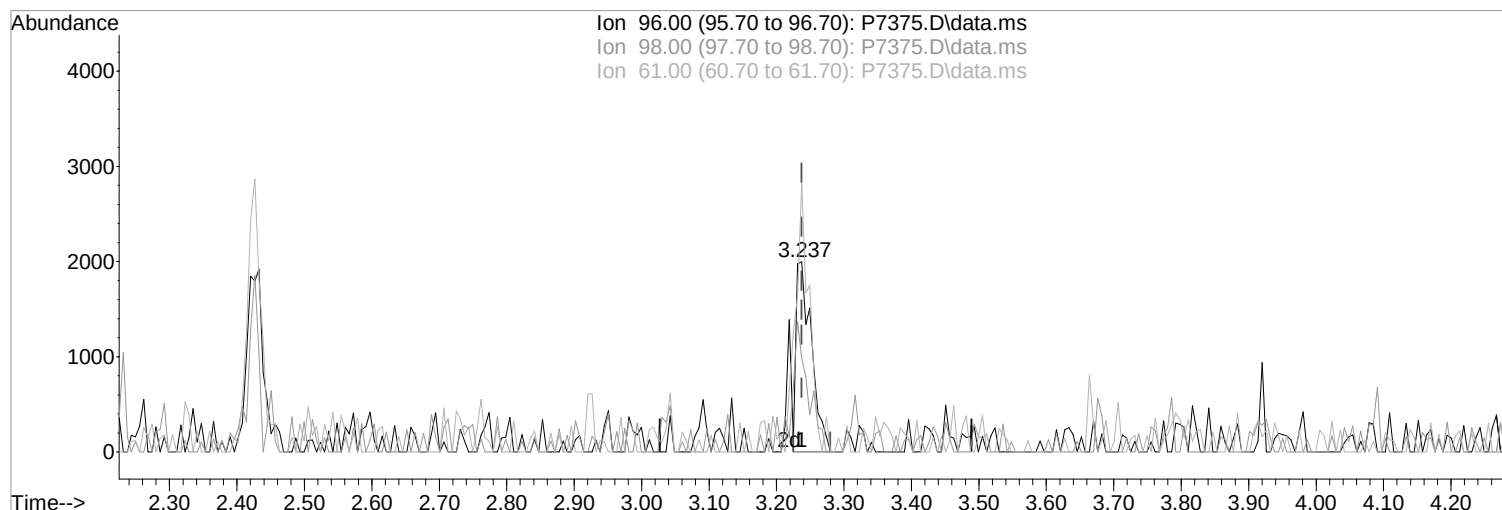
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(26) trans-1,2-Dichloroethene (P)

Manual Integration:

3.237min (+0.000) 0.50 ppb

Before

response 3145

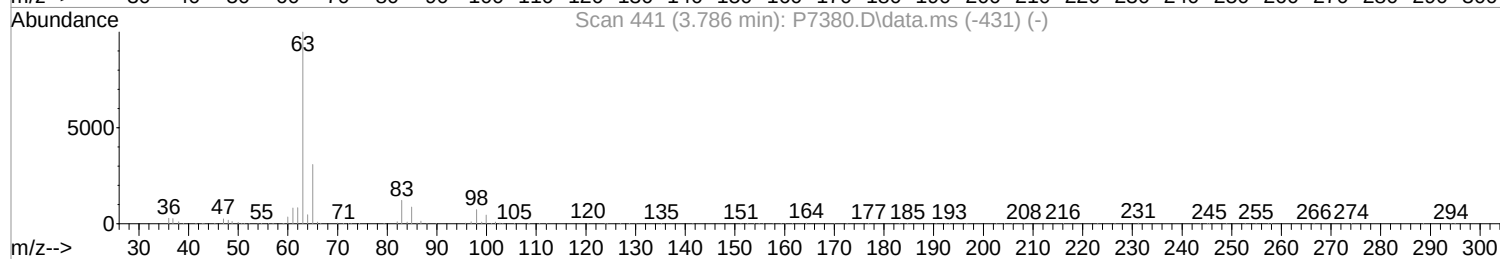
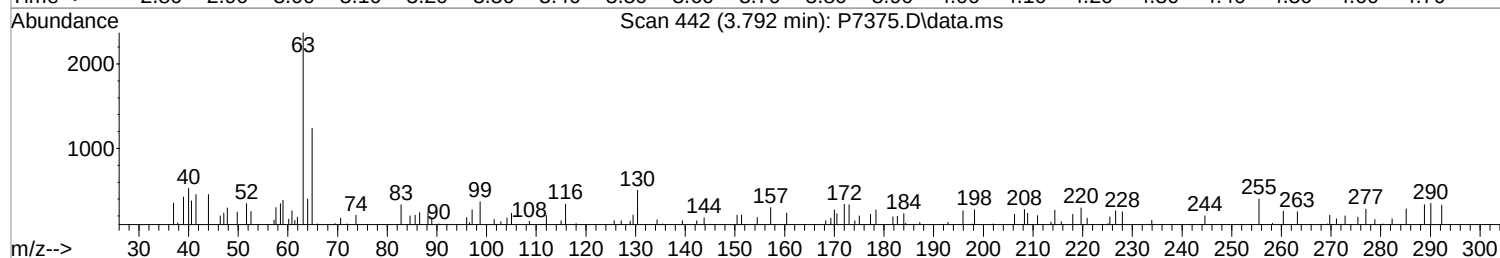
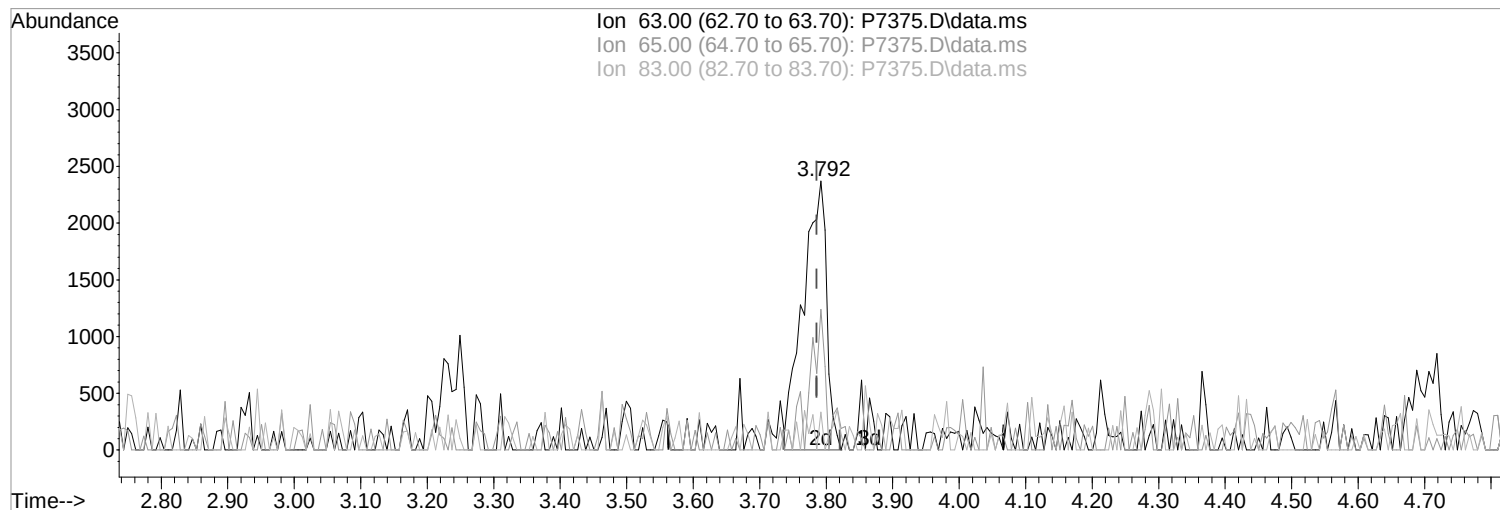
Ion	Exp%	Act%
96.00	100	100
98.00	68.30	49.22
61.00	133.80	141.46
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(28) 1,1-Dicethane (P)

3.792min (+0.006) 0.55 ppb m

response 5820

Ion	Exp%	Act%
63.00	100	100
65.00	30.80	52.32#
83.00	12.10	14.09
0.00	0.00	0.00

Manual Integration:

After

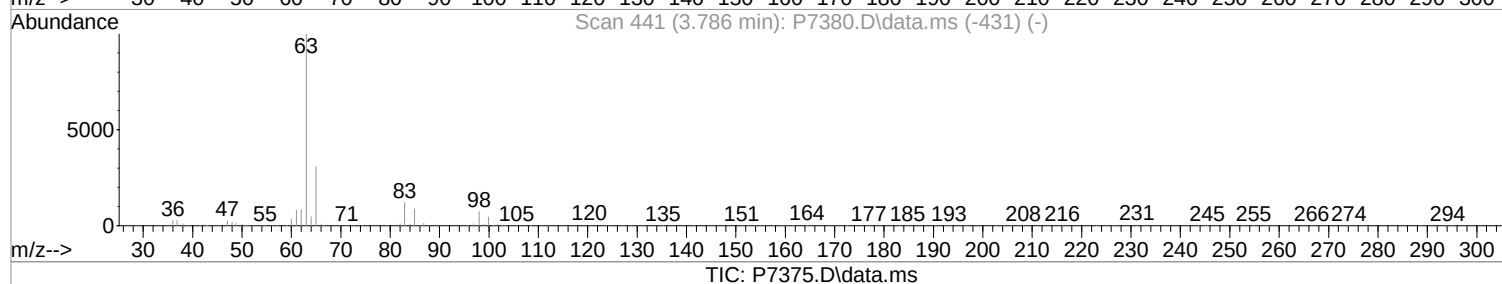
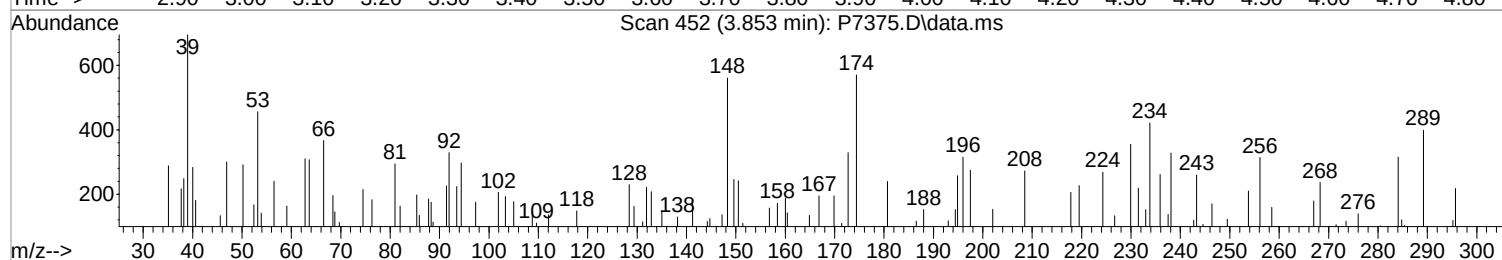
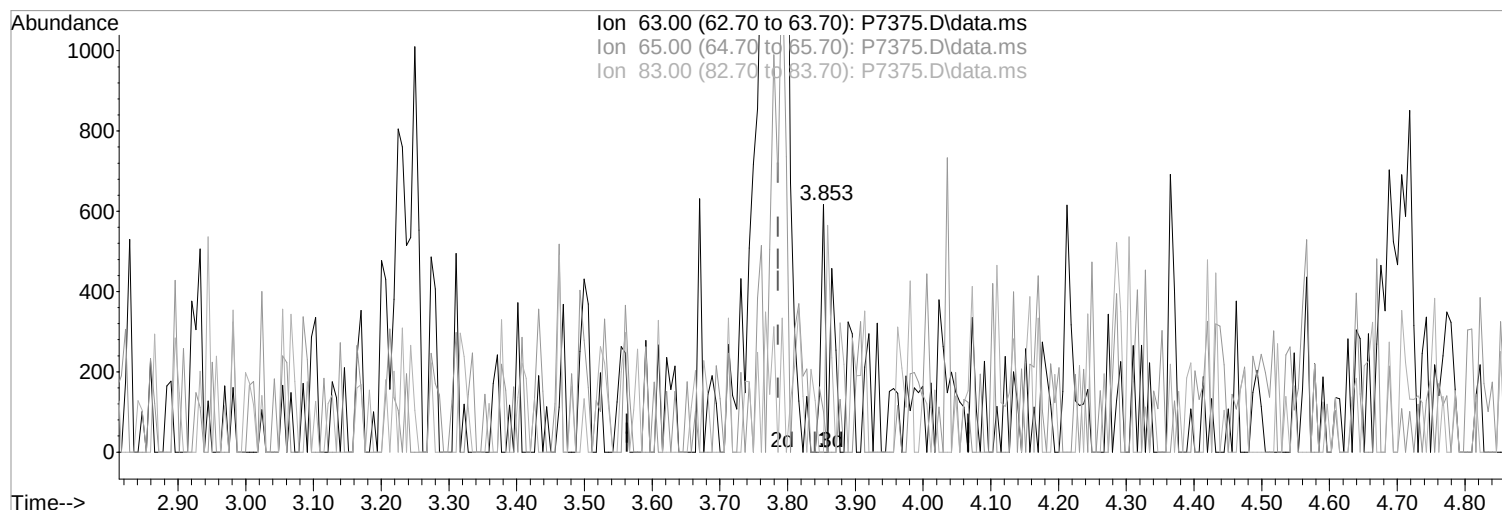
Peak not found.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(28) 1,1-Dicethane (P)

Manual Integration:

3.853min (+0.067) 0.03 ppb

Before

response 276

Ion	Exp%	Act%
63.00	100	100
65.00	30.80	16.37
83.00	12.10	0.00
0.00	0.00	0.00

01/05/17

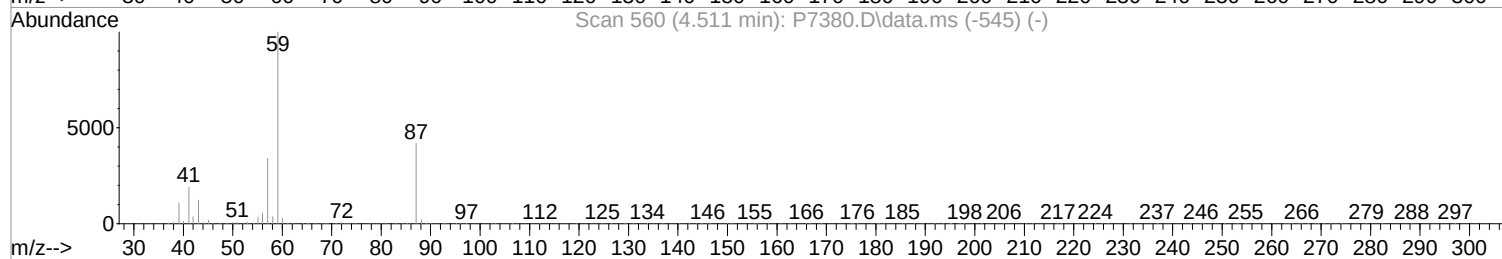
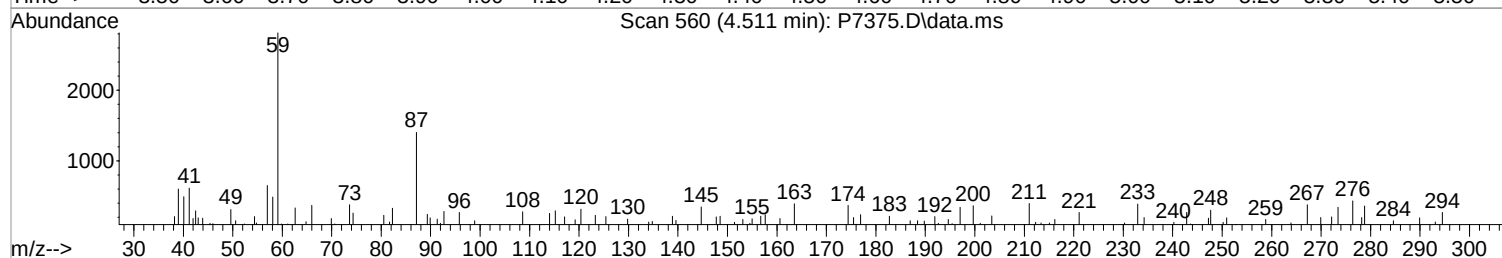
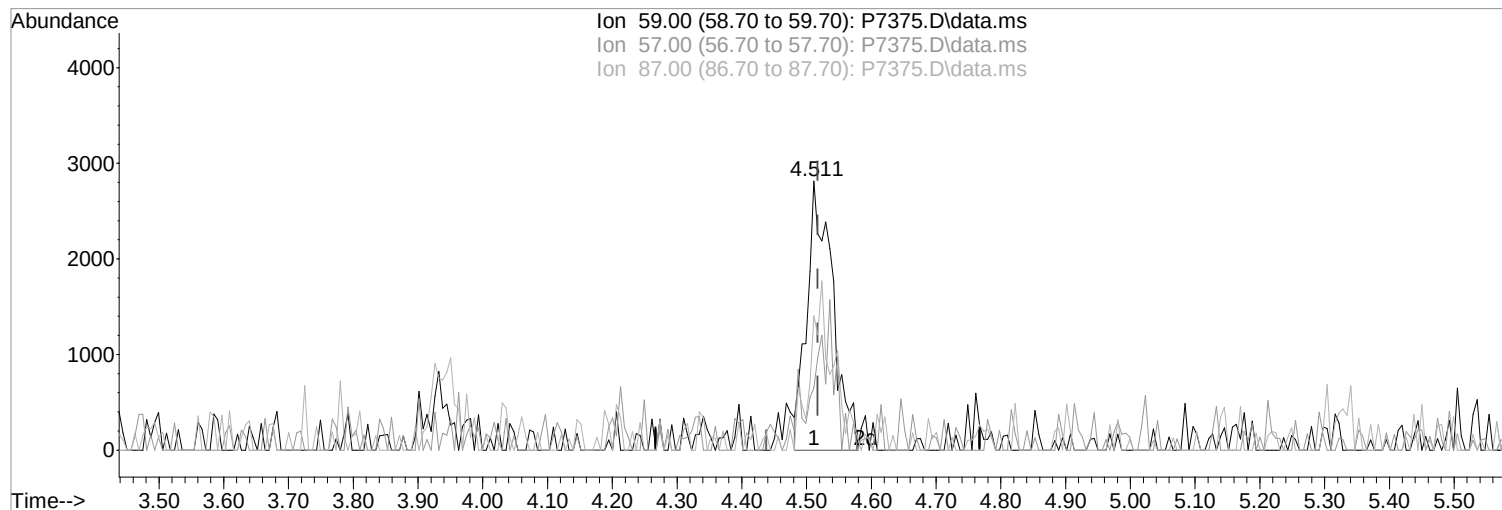
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(32) ETBE

4.511min (-0.006) 0.46 ppb m

response 7719

Ion	Exp%	Act%
59.00	100	100
57.00	34.00	23.13
87.00	41.90	49.93
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

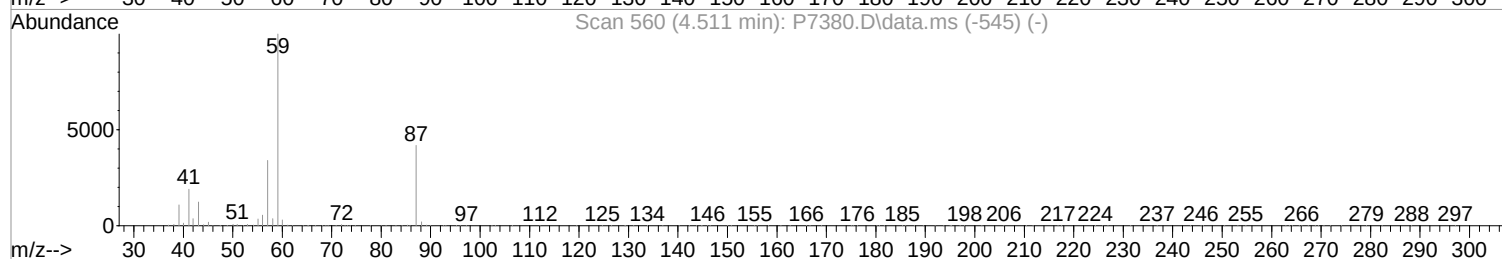
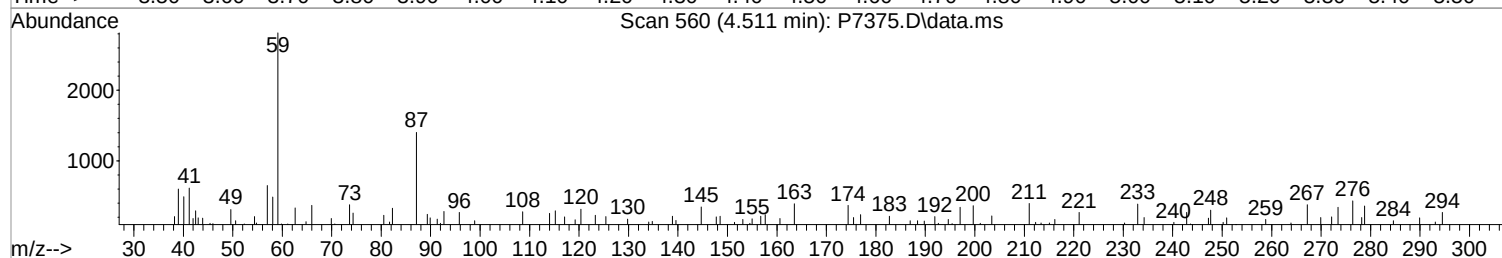
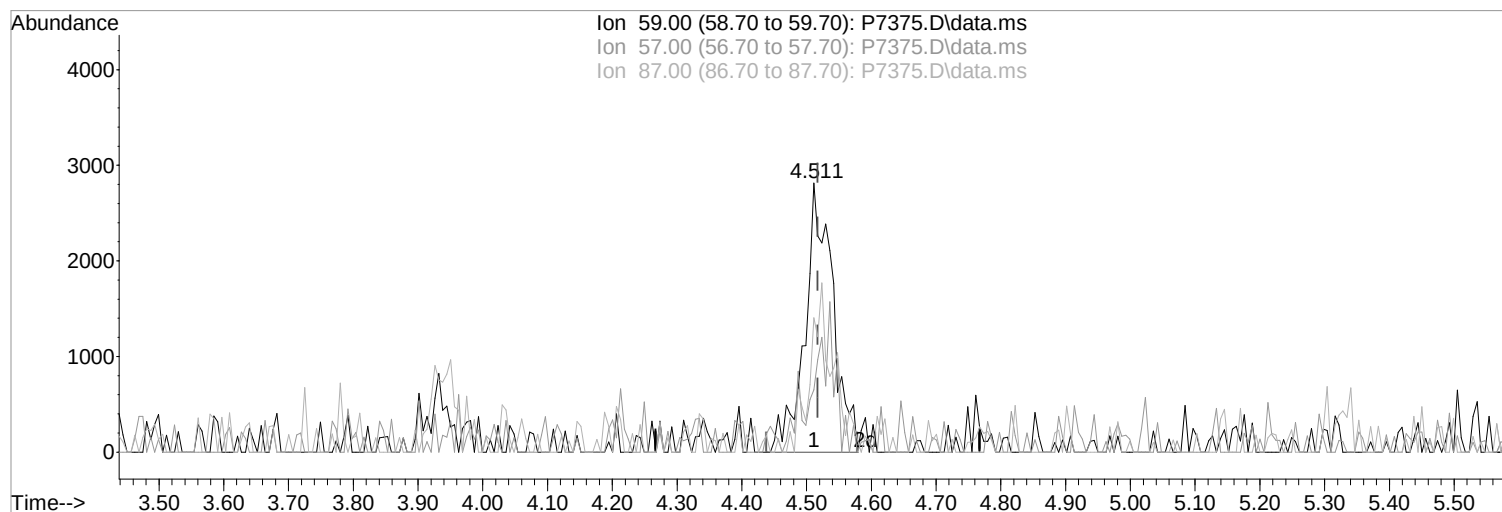
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(32) ETBE

Manual Integration:

4.511min (-0.006) 0.50 ppb

Before

response 8396

Ion	Exp%	Act%
59.00	100	100
57.00	34.00	23.13
87.00	41.90	49.93
0.00	0.00	0.00

01/05/17

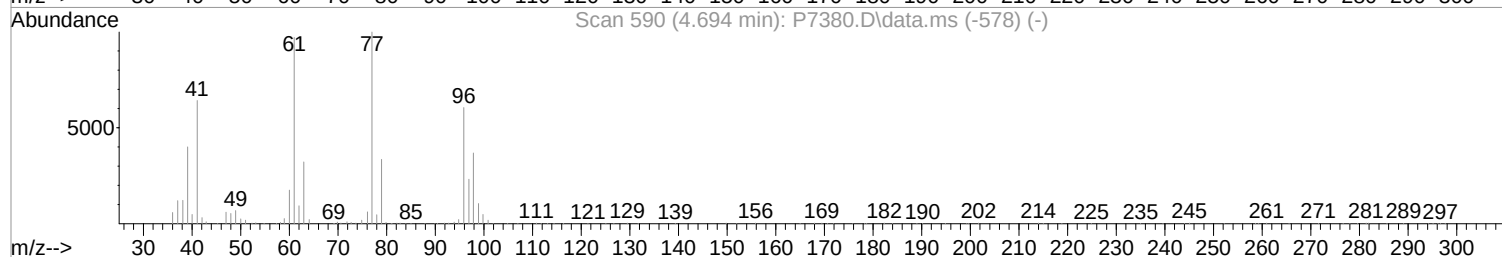
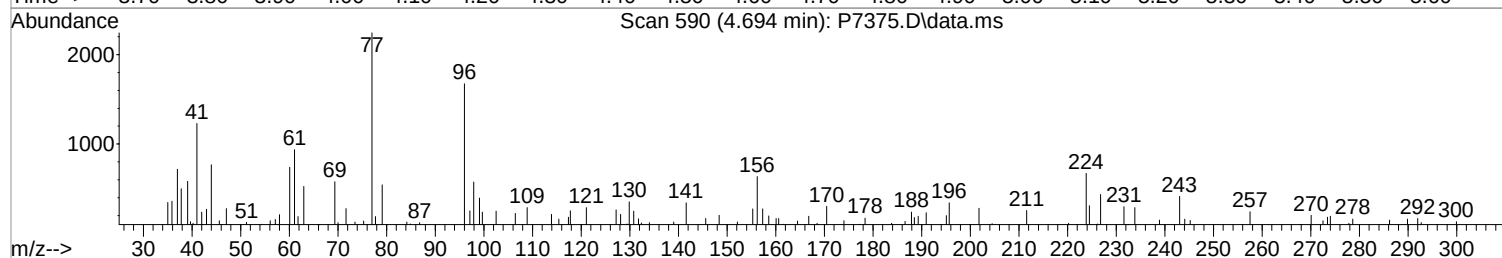
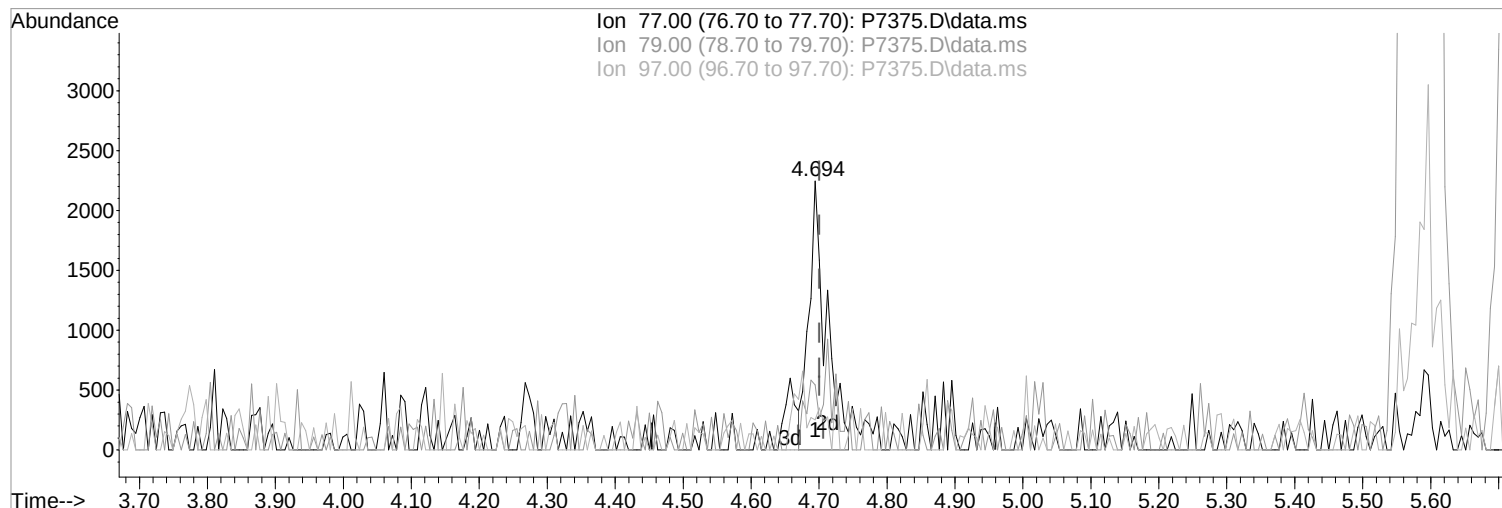
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(33) 2,2-Dichloropropane

4.694min (-0.006) 0.47 ppb m

response 3907

Ion	Exp%	Act%
77.00	100	100
79.00	33.80	24.18
97.00	23.20	11.18
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

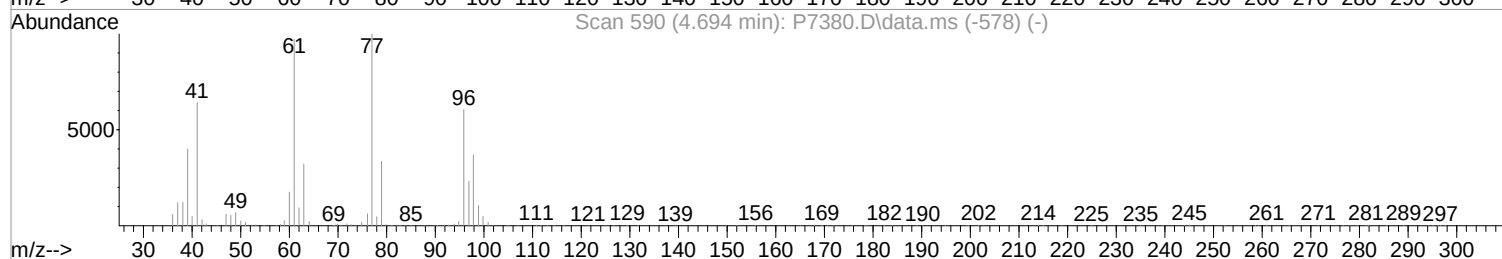
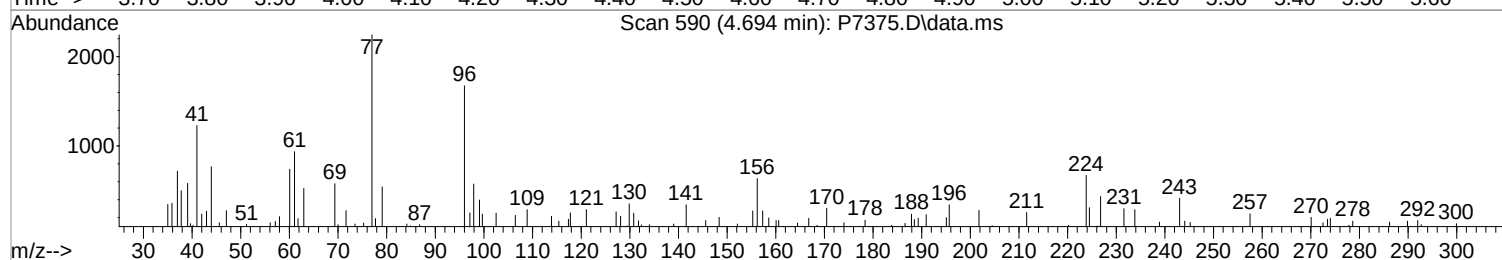
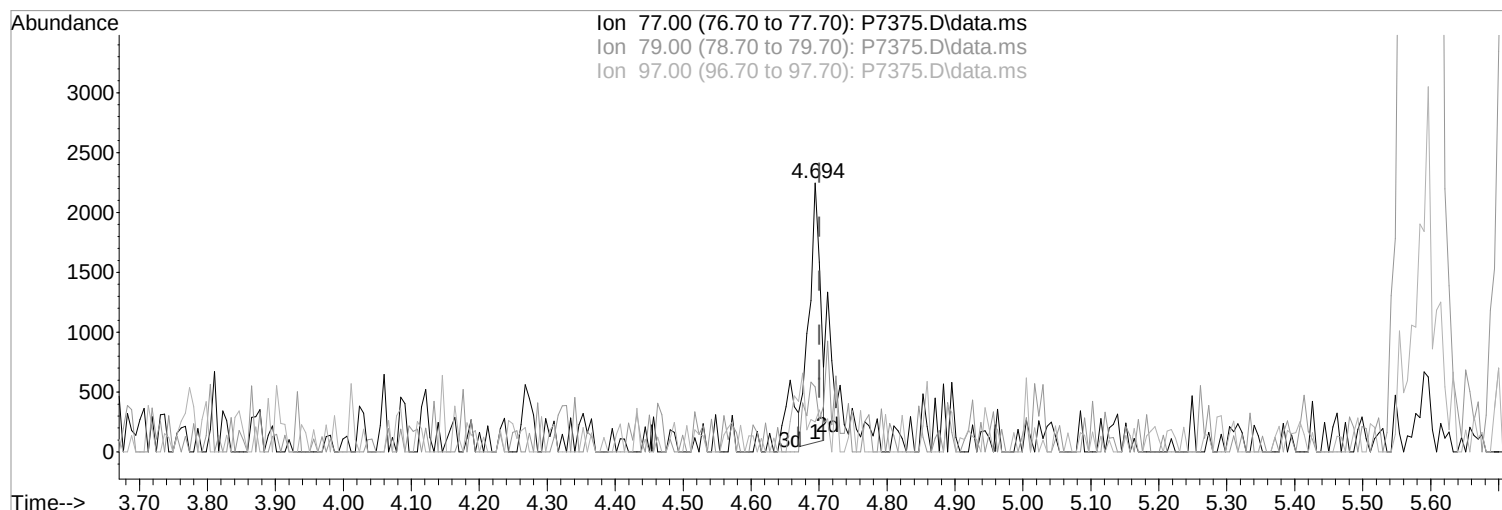
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(33) 2,2-Dichloropropane

Manual Integration:

4.694min (-0.006) 0.30 ppb

Before

response 2510

Ion	Exp%	Act%
77.00	100	100
79.00	33.80	22.31
97.00	23.20	10.31
0.00	0.00	0.00

01/05/17

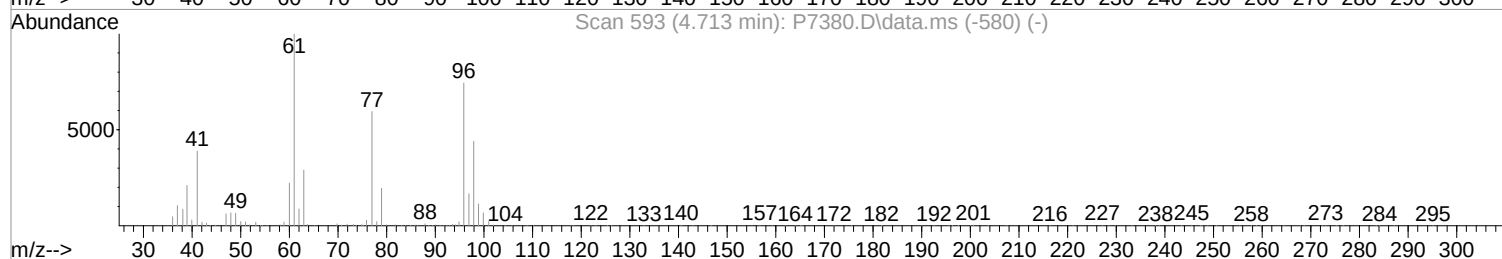
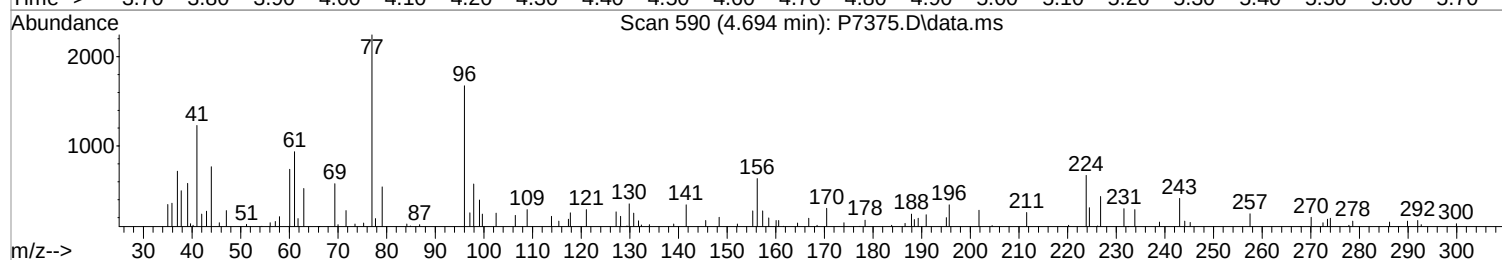
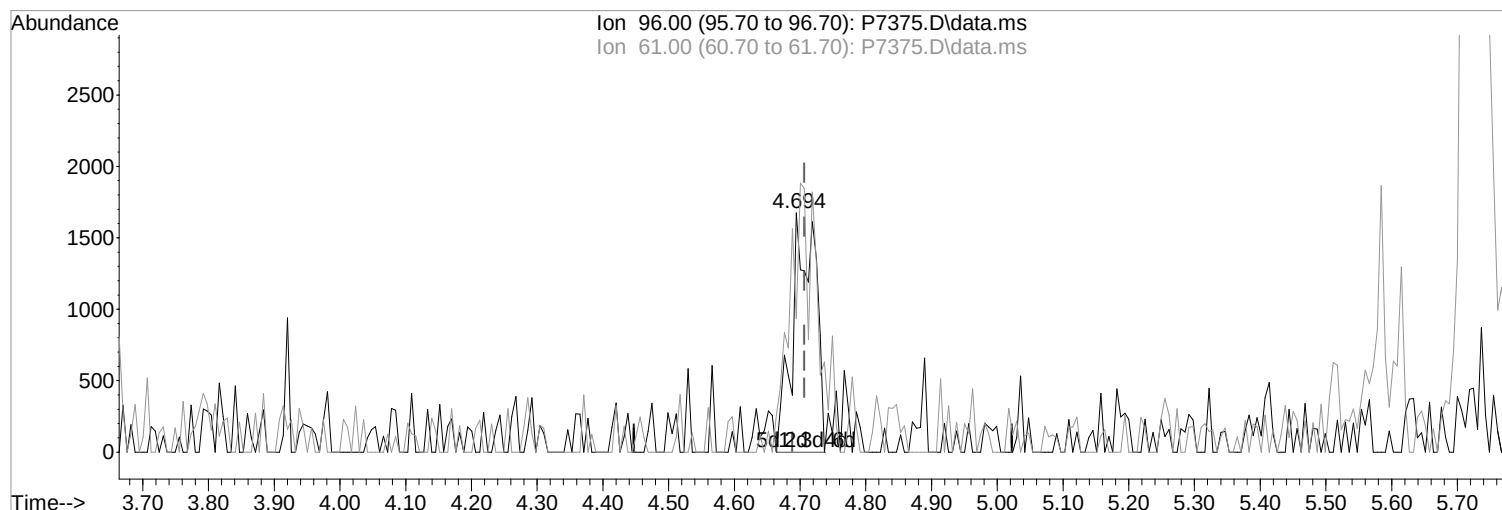
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.694min (-0.012) 0.61 ppb m

response 4064

Ion	Exp%	Act%
96.00	100	100
61.00	134.80	55.91#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

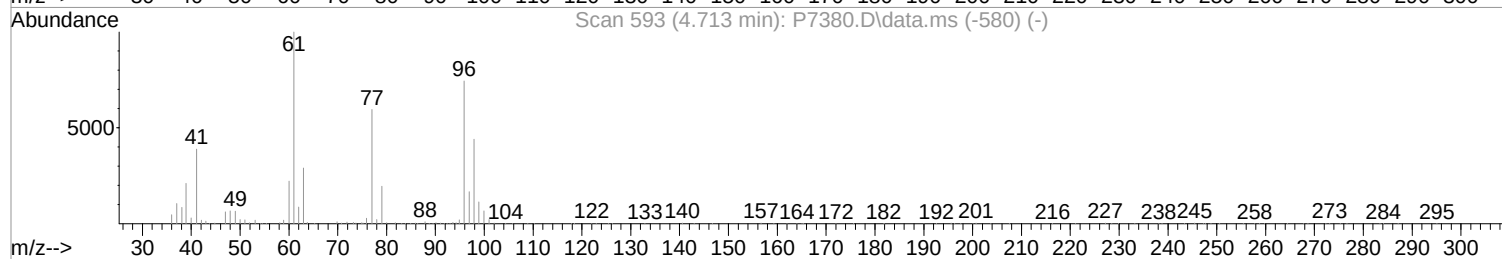
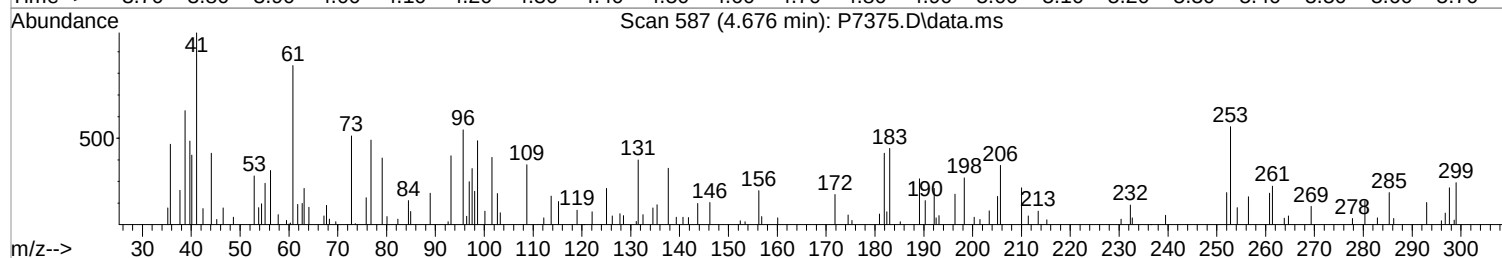
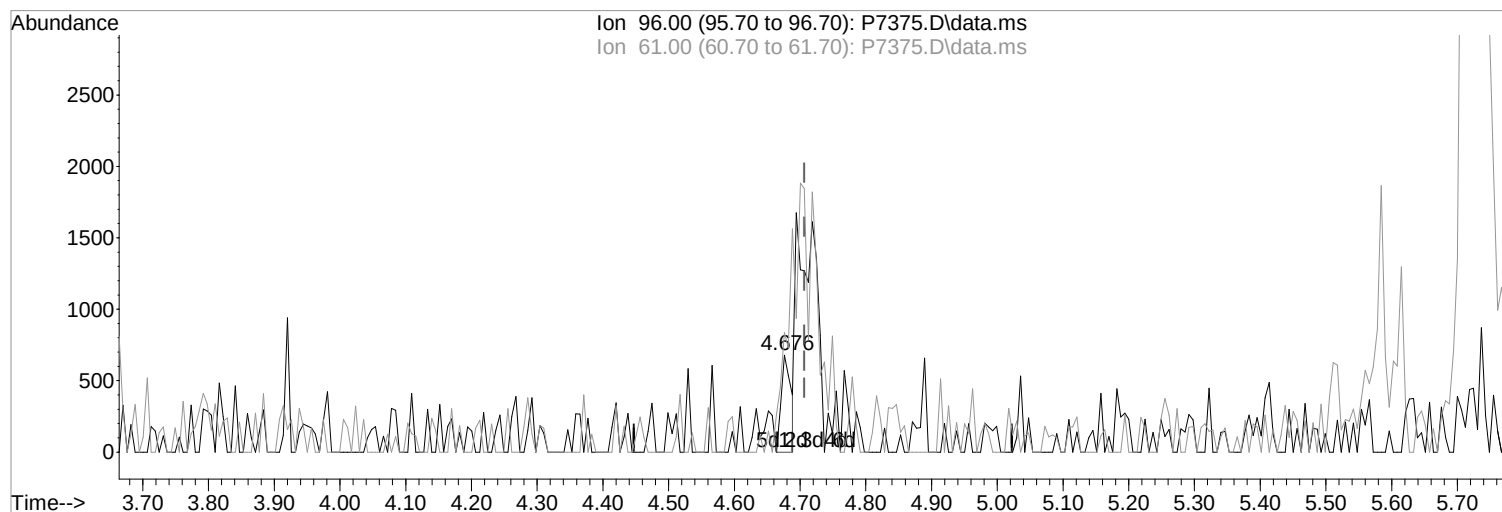
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(34) cis-1,2-Dichloroethene (P)

Manual Integration:

4.676min (-0.030) 0.11 ppb

Before

response 702

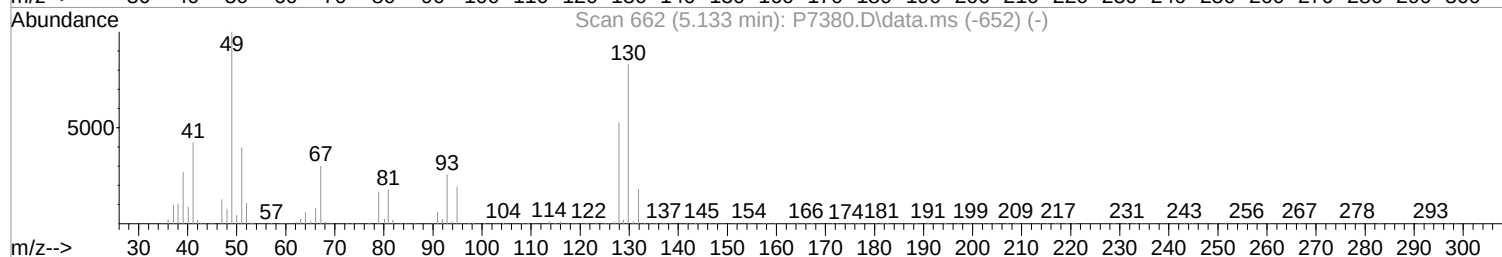
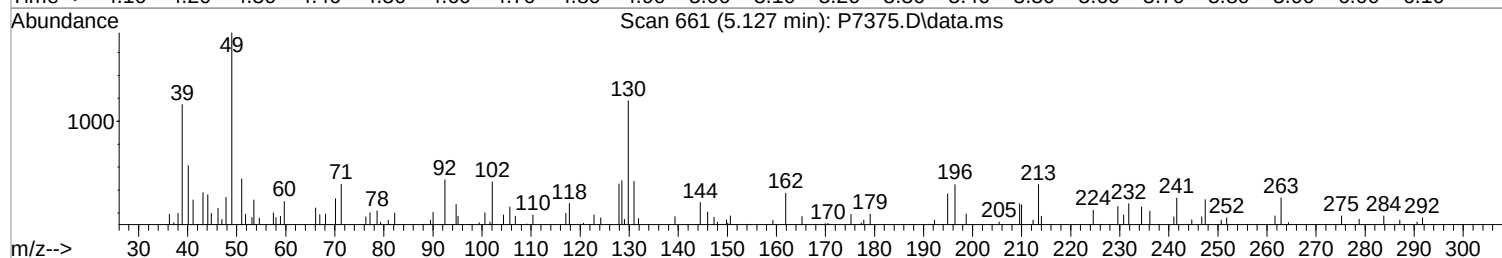
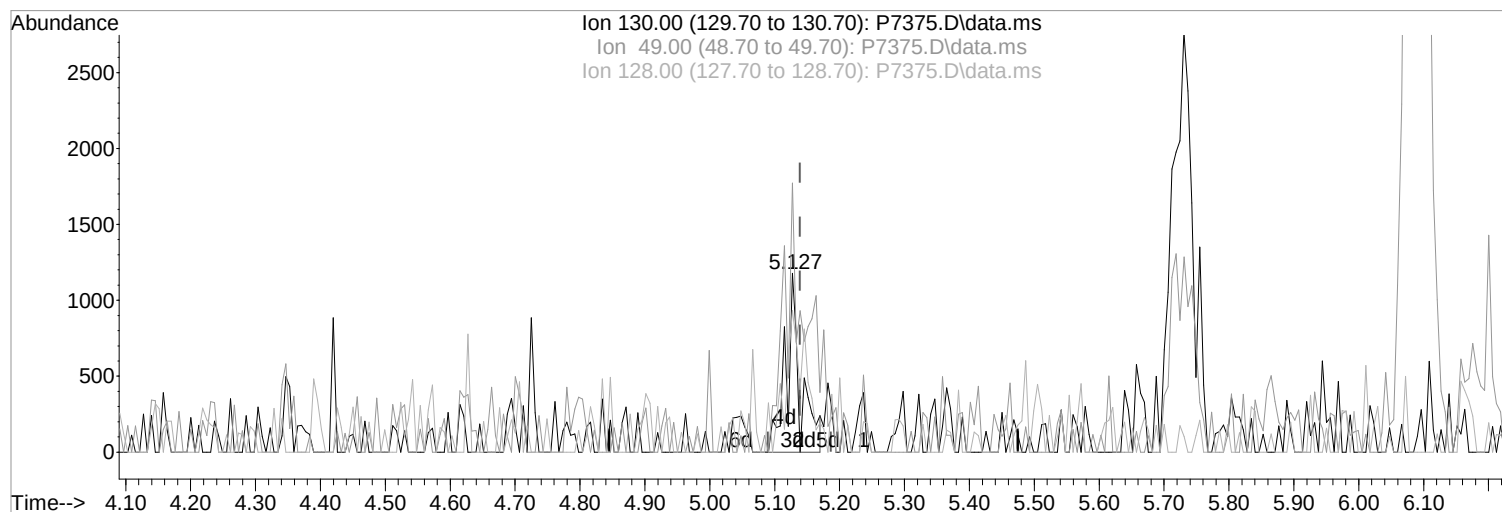
Ion	Exp%	Act%
96.00	100	100
61.00	134.80	123.30
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(37) Bromochloromethane

Manual Integration:

5.127min (-0.012) 0.50 ppb m

After

response 1828

Split Peak

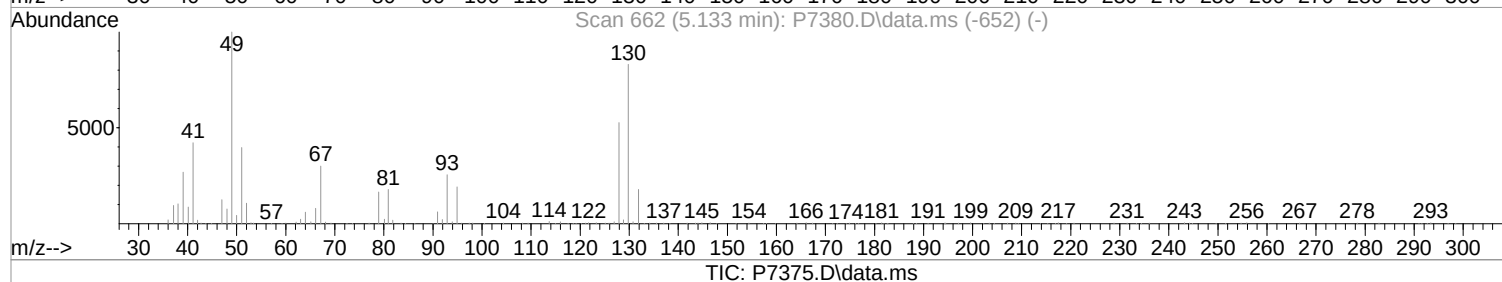
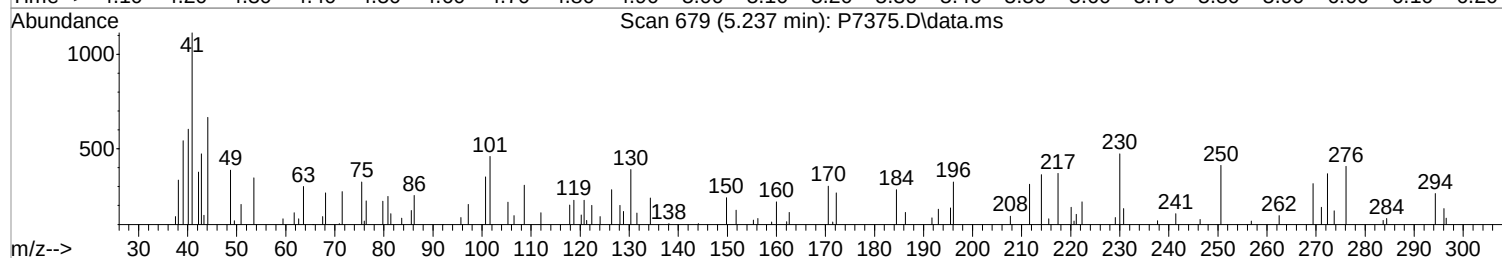
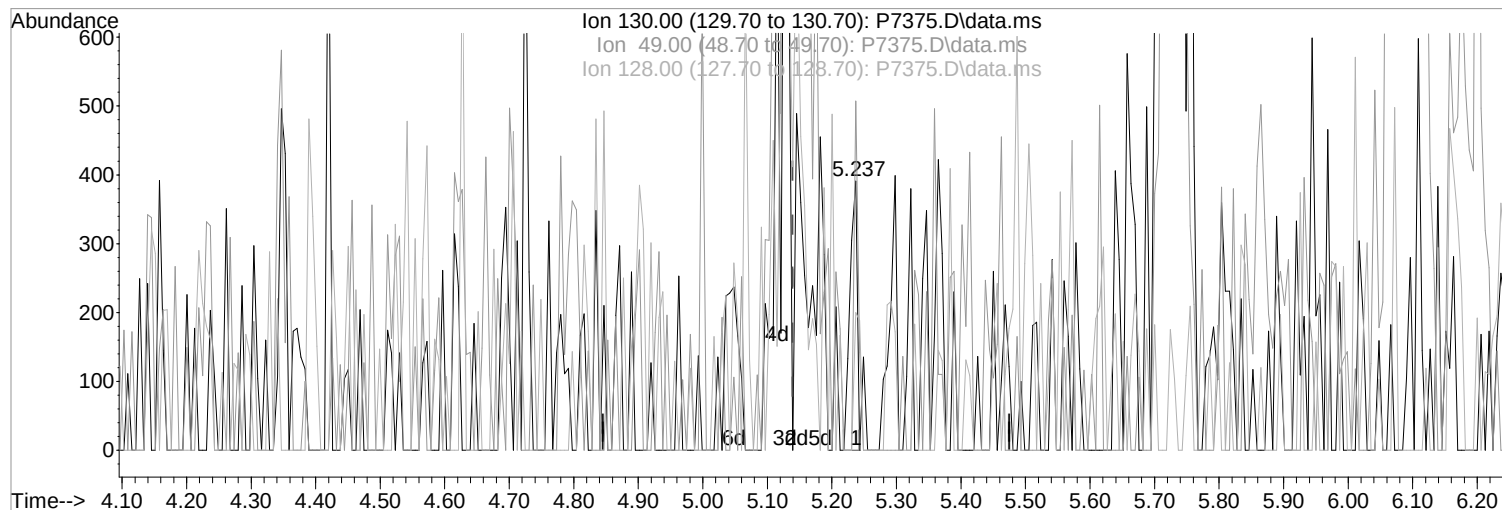
Ion	Exp%	Act%
130.00	100	100
49.00	120.70	150.42#
128.00	64.20	40.75#
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(37) Bromochloromethane

Manual Integration:

5.237min (+0.098) 0.08 ppb

Before

response 303

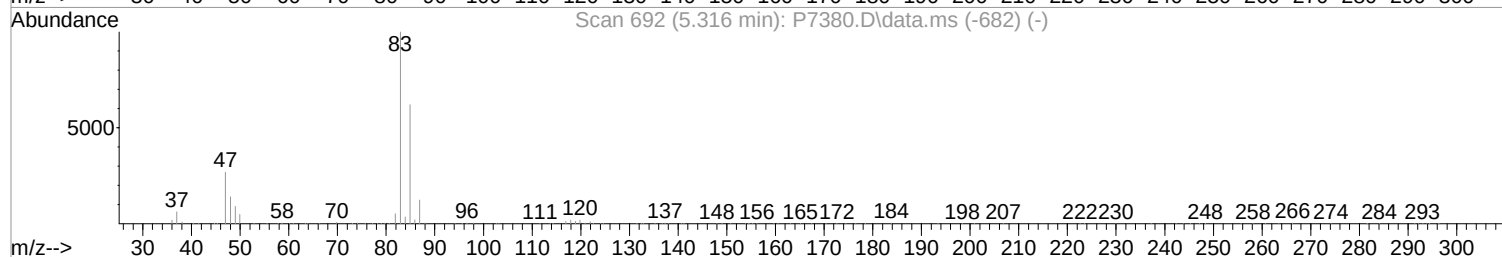
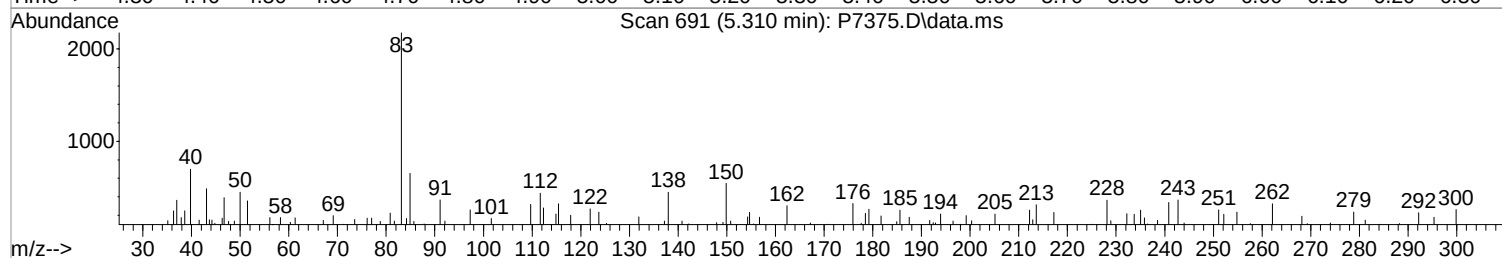
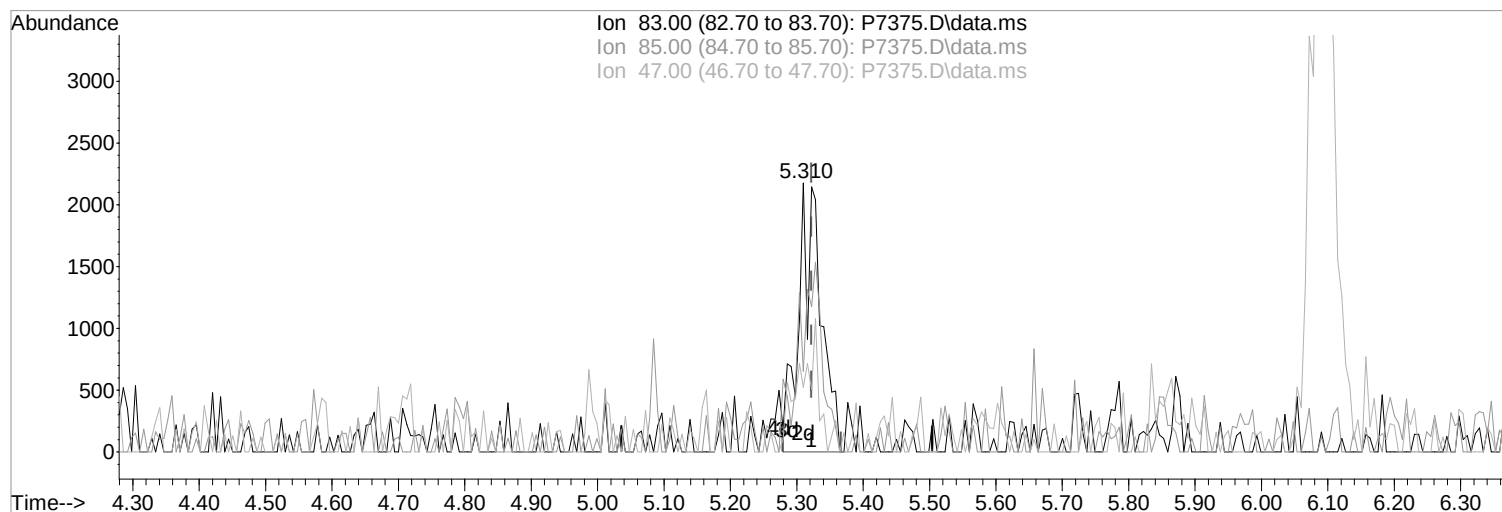
Ion	Exp%	Act%
130.00	100	100
49.00	120.70	129.67
128.00	64.20	51.15
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(40) Chloroform (P)

5.310min (-0.012) 0.50 ppb m

response 5115

Ion	Exp%	Act%
83.00	100	100
85.00	62.30	30.01#
47.00	26.90	17.97
0.00	0.00	0.00

Manual Integration:

After

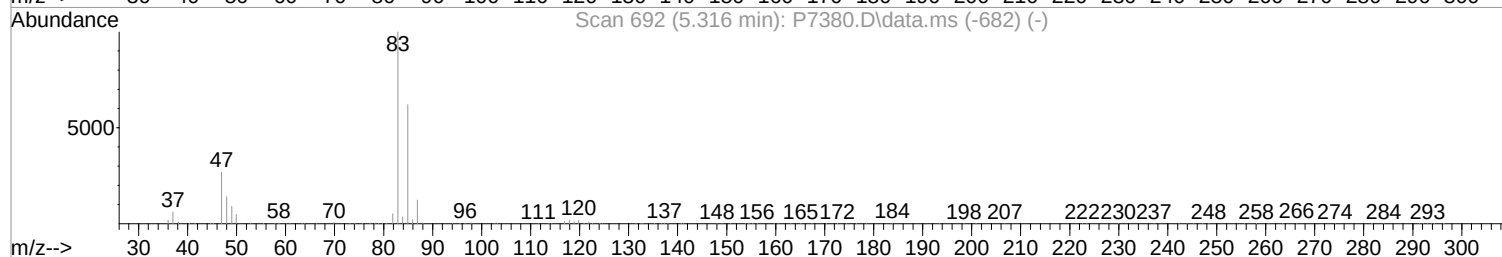
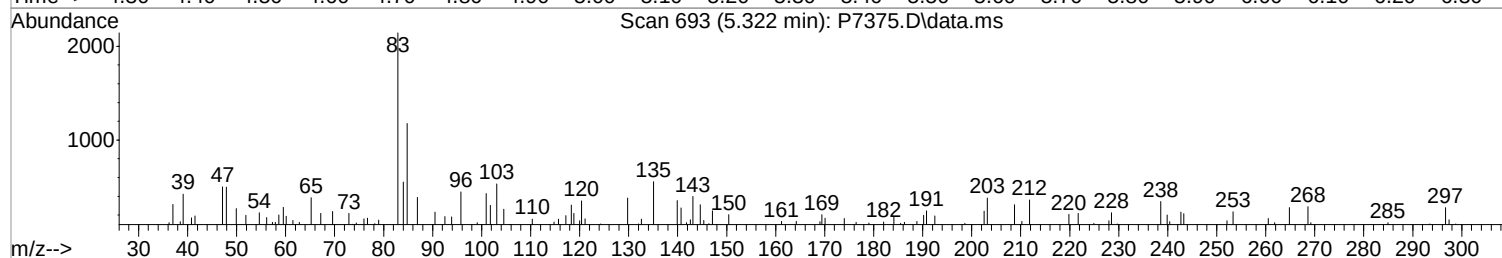
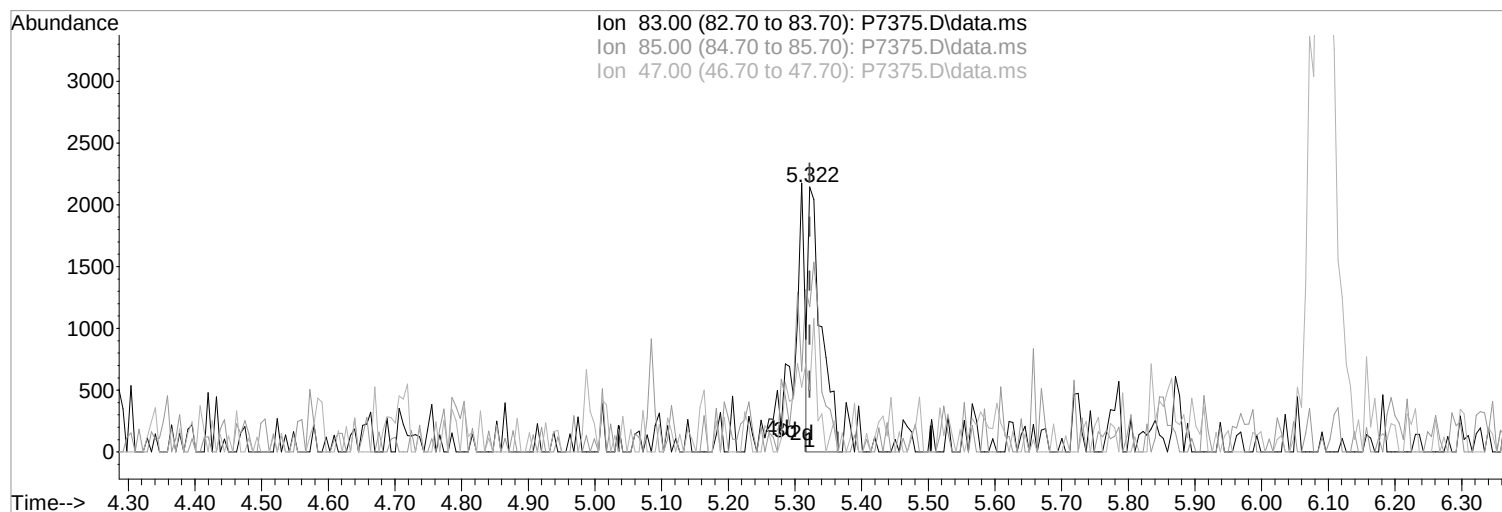
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(40) Chloroform (P)

Manual Integration:

5.322min (+0.000) 0.28 ppb

Before

response 2913

Ion	Exp%	Act%
83.00	100	100
85.00	62.30	54.80
47.00	26.90	23.41
0.00	0.00	0.00

01/05/17

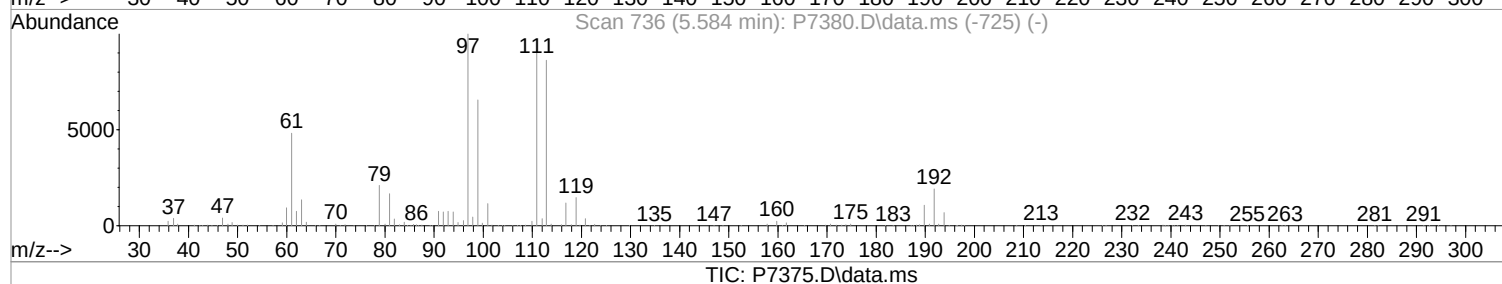
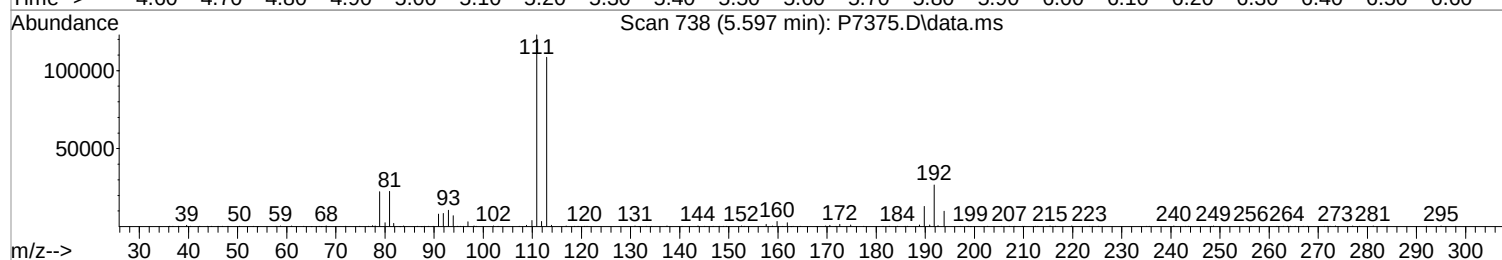
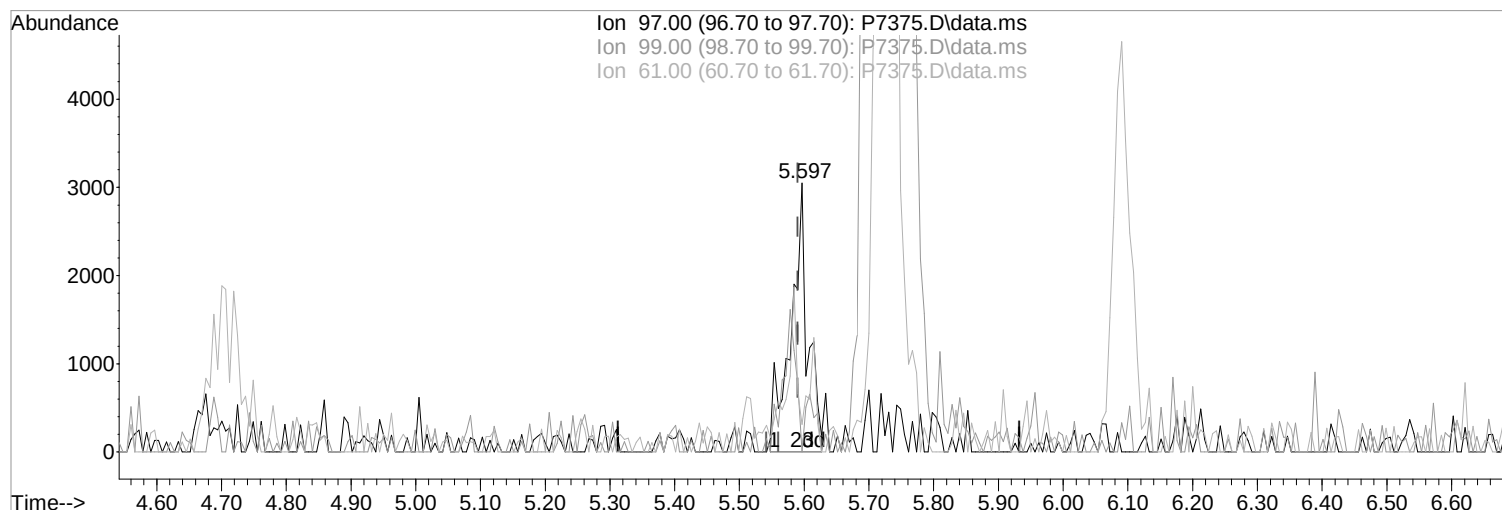
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(41) 1,1,1-Trichloroethane (P)

5.597min (+0.006) 0.61 ppb m

response 5498

Ion	Exp%	Act%
97.00	100	100
99.00	65.50	0.00#
61.00	48.10	10.33#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

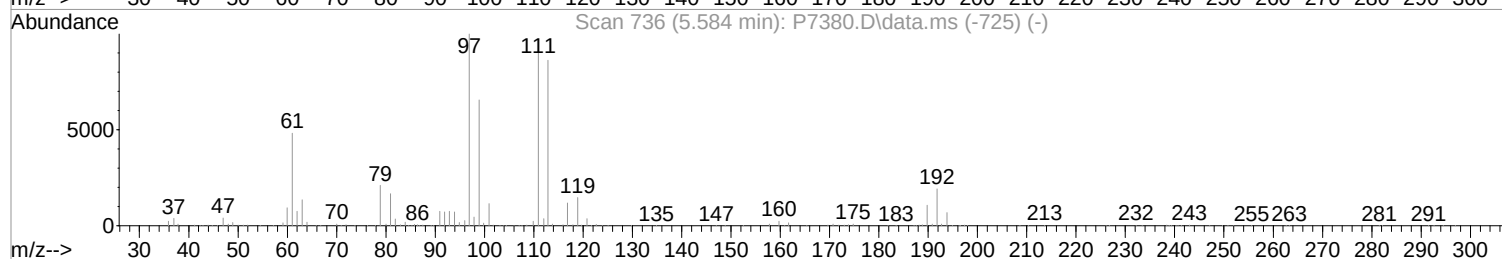
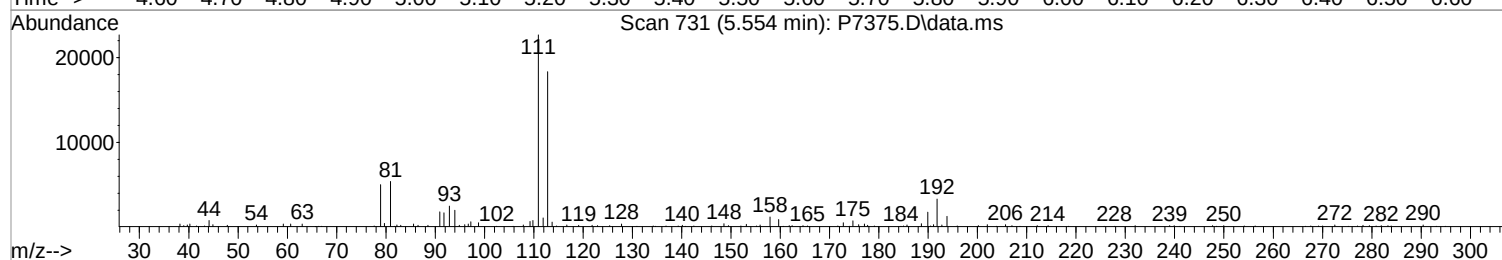
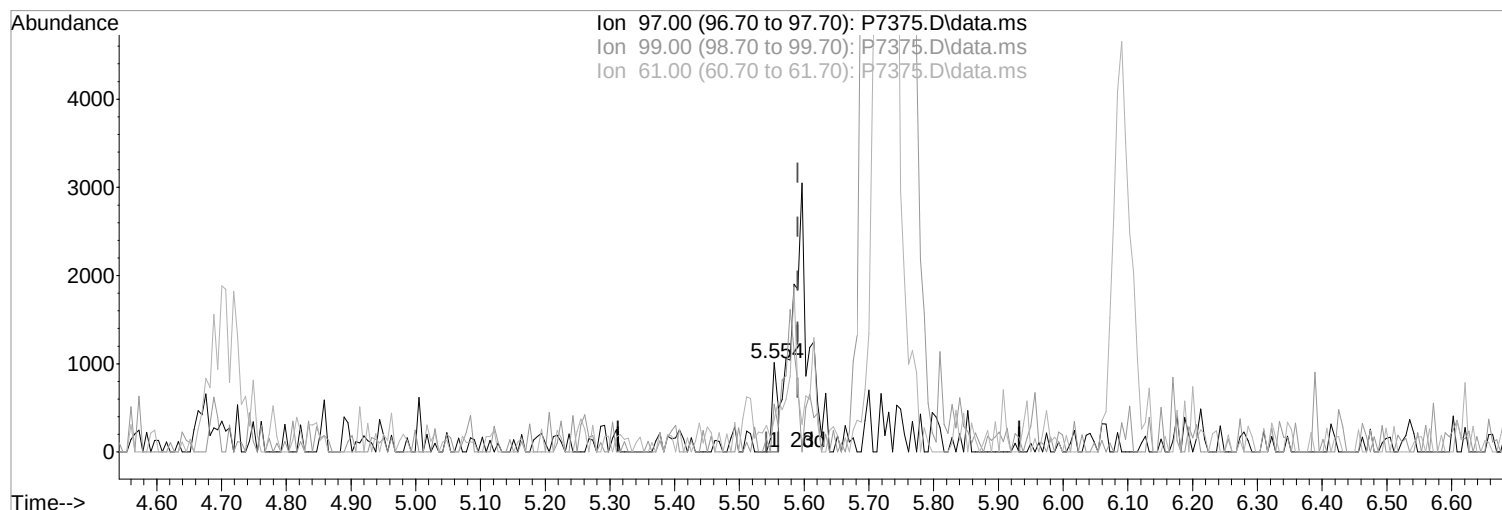
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(41) 1,1,1-Trichloroethane (P)

Manual Integration:

5.554min (-0.036) 0.07 ppb

Before

response 606

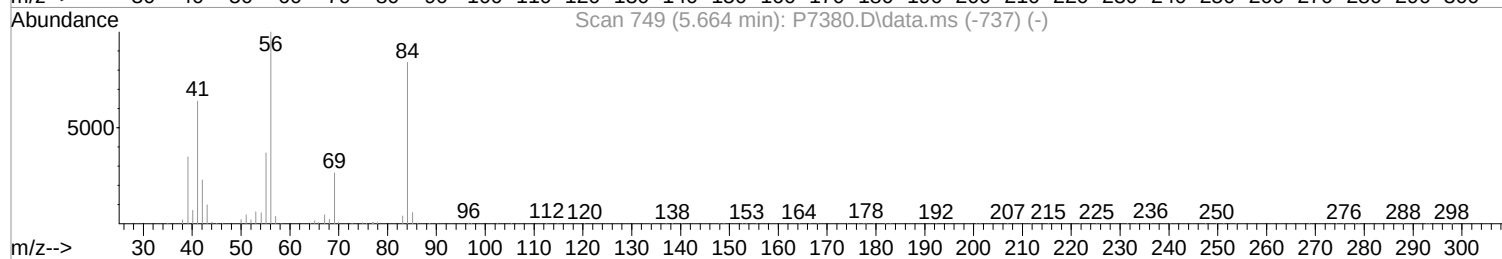
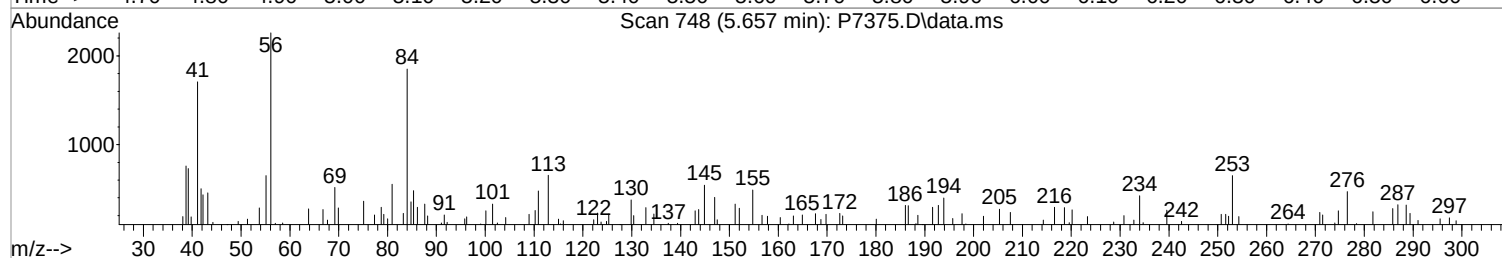
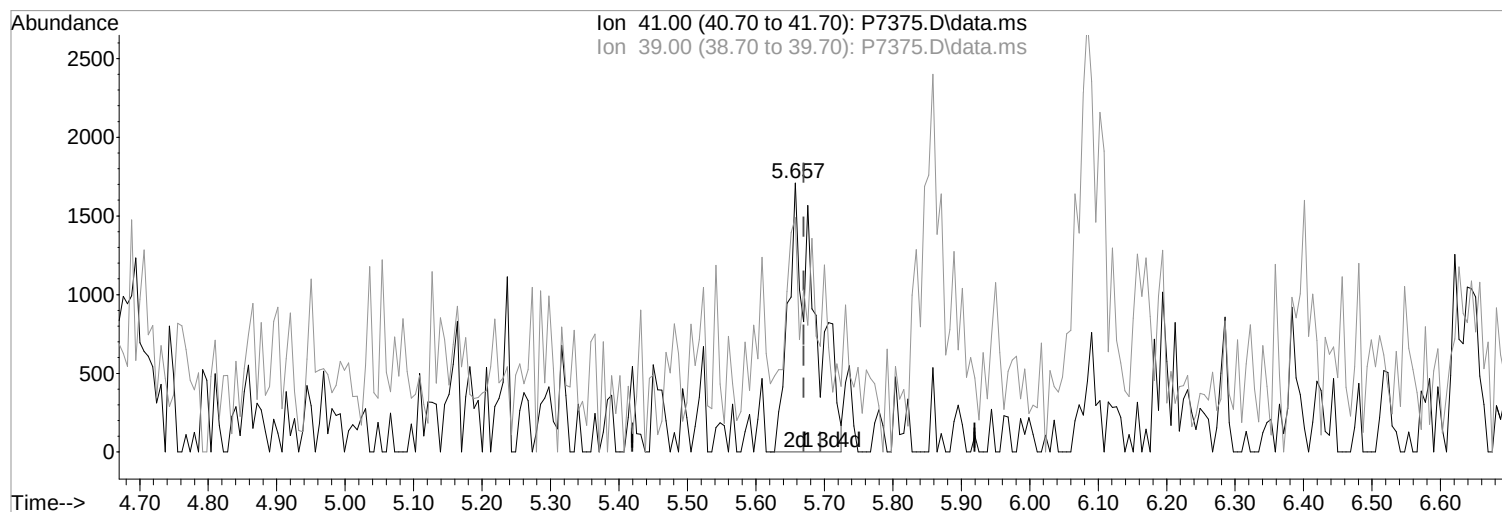
Ion	Exp%	Act%
97.00	100	100
99.00	65.50	53.66
61.00	48.10	36.86
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(44) Cyclohexane (P)

Manual Integration:

5.657min (-0.012) 0.71 ppb m

After

response 4660

Split Peak

Ion	Exp%	Act%
41.00	100	100
39.00	55.60	44.47
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

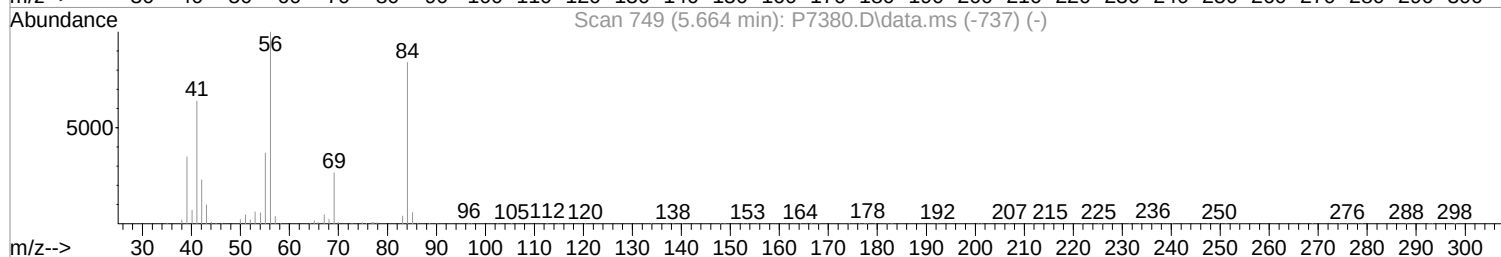
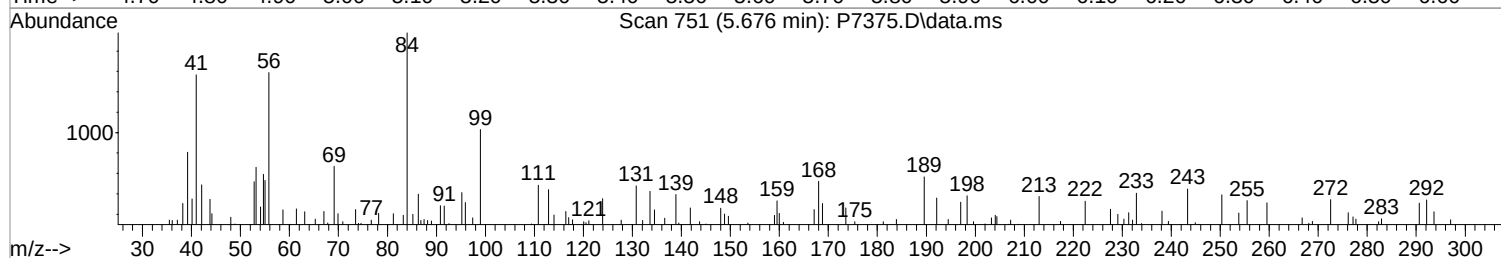
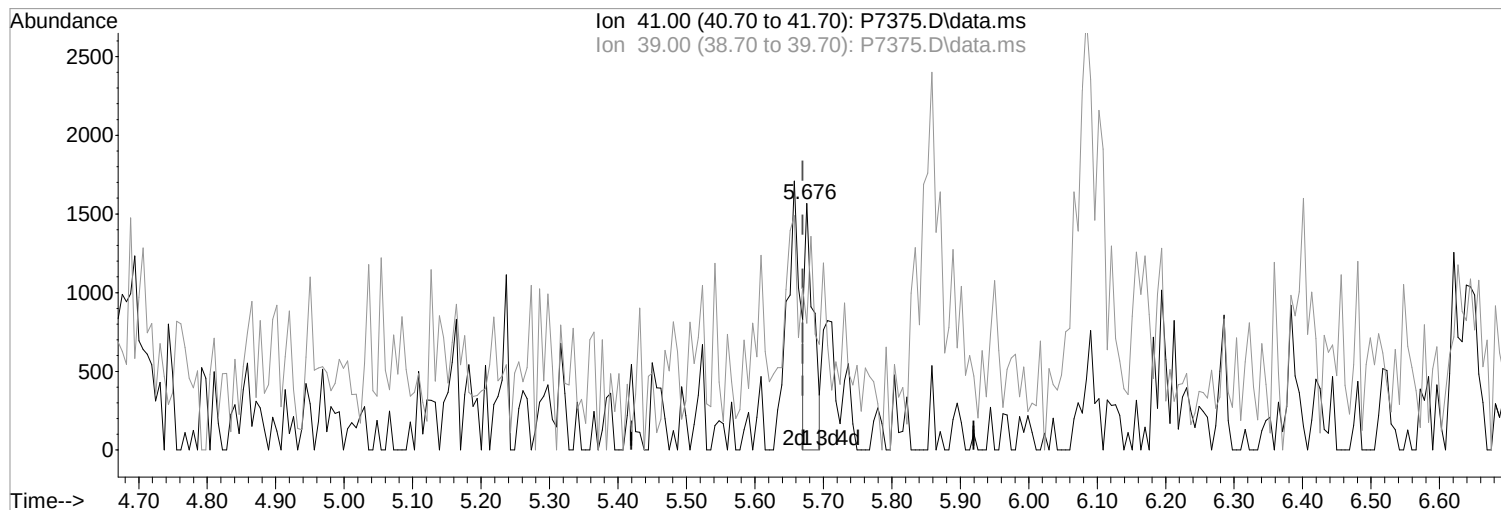
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(44) Cyclohexane (P)

Manual Integration:

5.676min (+0.006) 0.21 ppb

Before

response 1351

Ion	Exp%	Act%
41.00	100	100
39.00	55.60	51.44
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

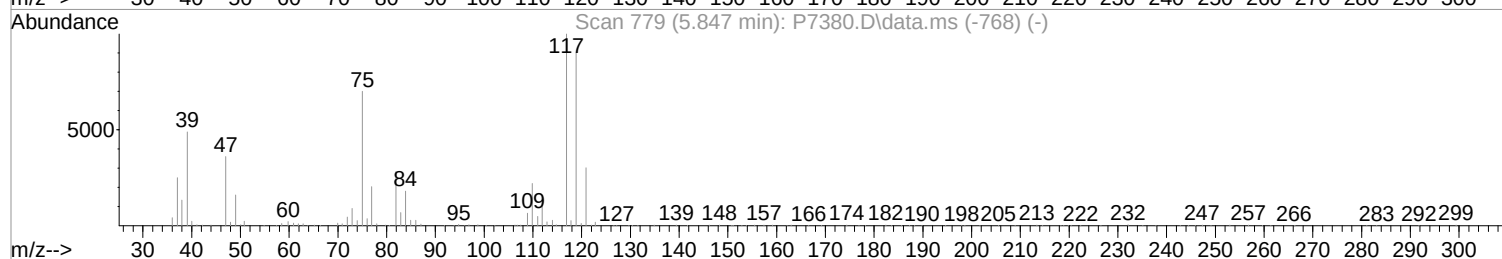
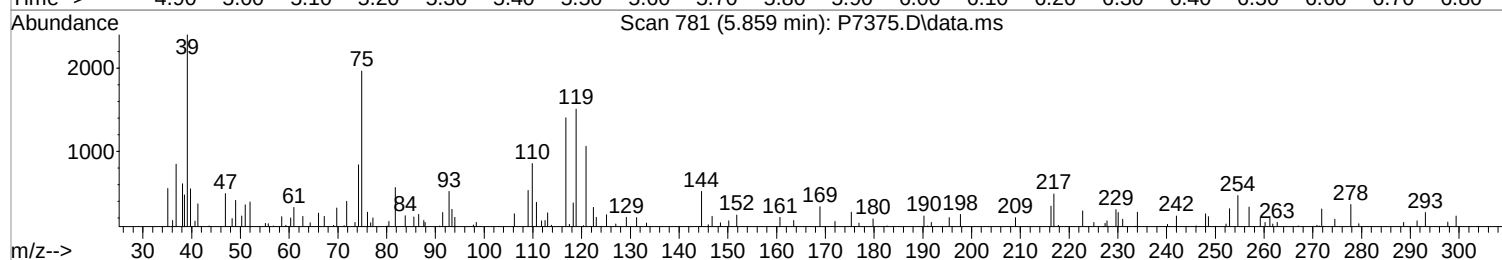
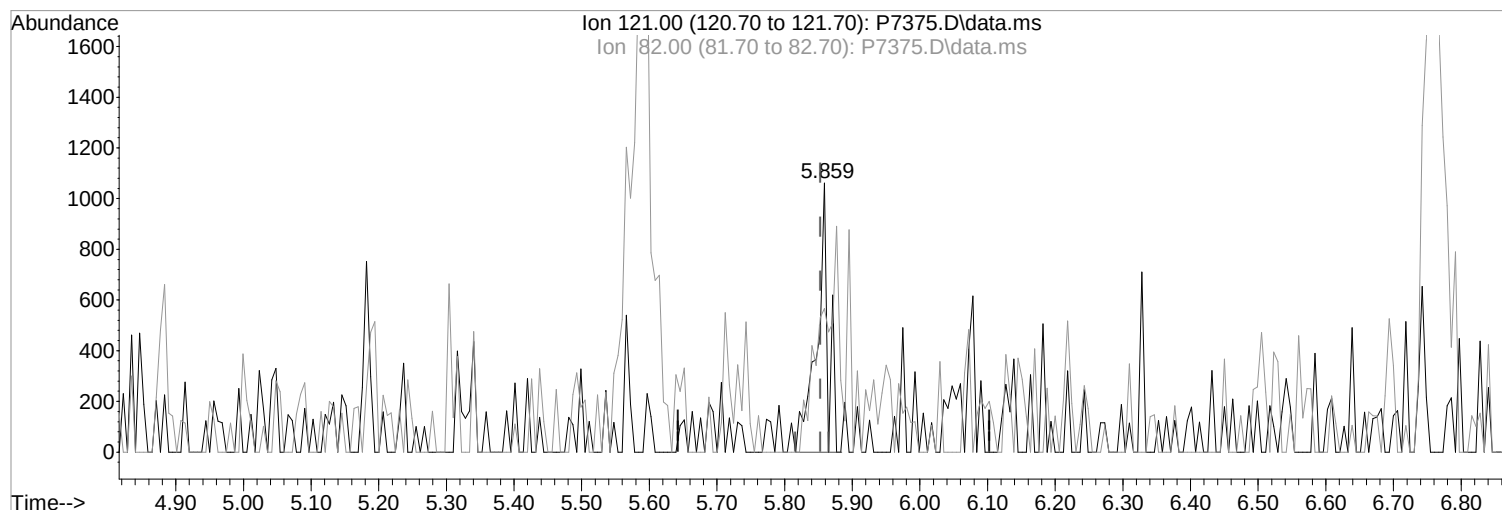
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(46) Carbontetrachloride (P)

Manual Integration:

5.859min (+0.006) 0.54 ppb m

After

response 1233

Split Peak

Ion Exp% Act%

01/05/17

121.00 100 100

82.00 93.70 53.35#

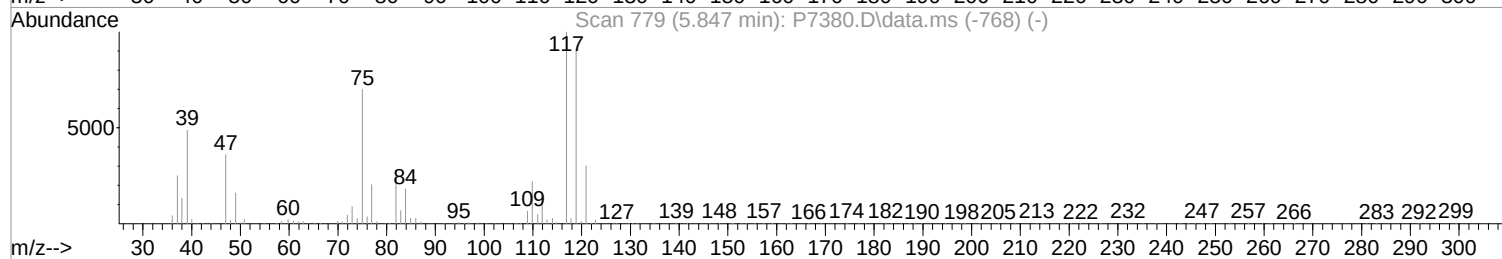
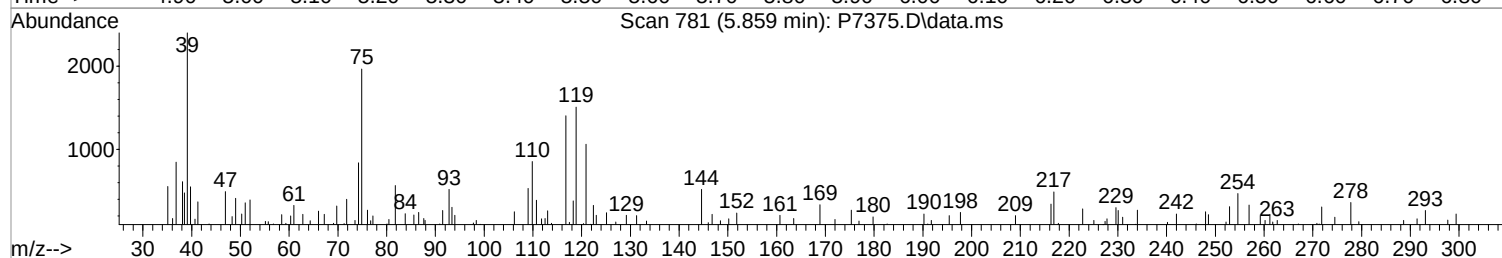
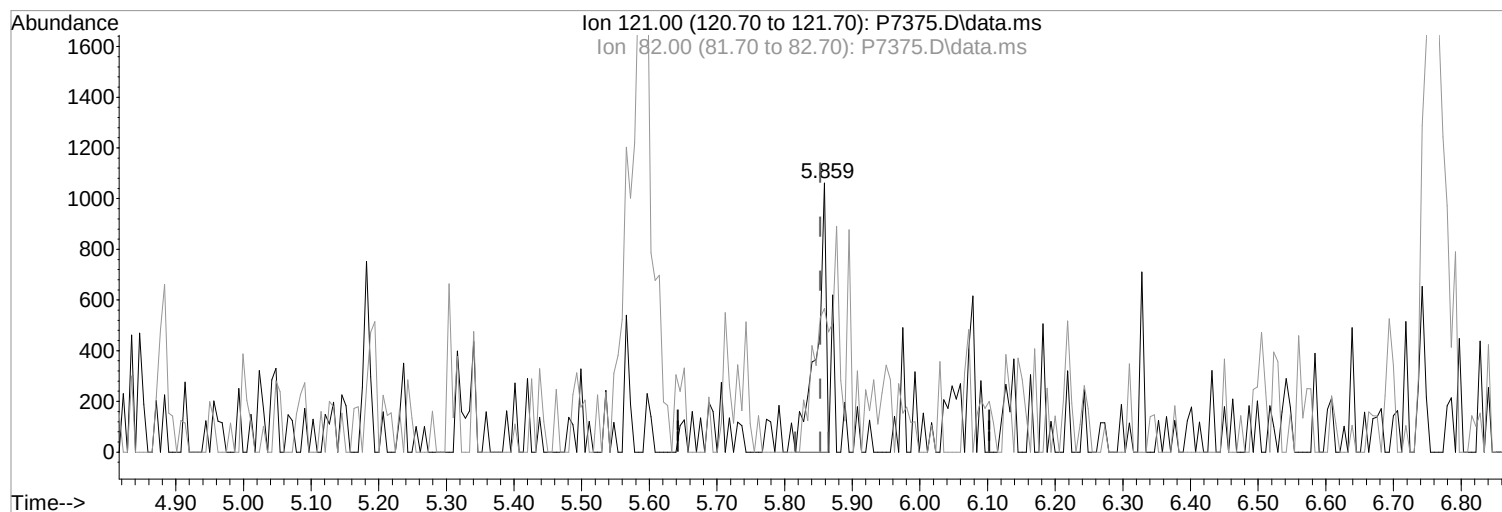
0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(46) Carbontetrachloride (P)

Manual Integration:

5.859min (+0.006) 0.44 ppb

Before

response 1006

Ion	Exp%	Act%

01/05/17

121.00	100	100

82.00	93.70	53.35#

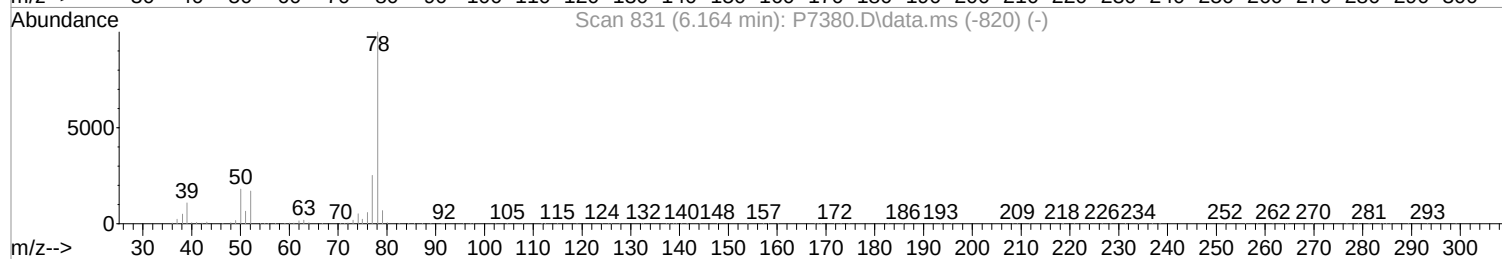
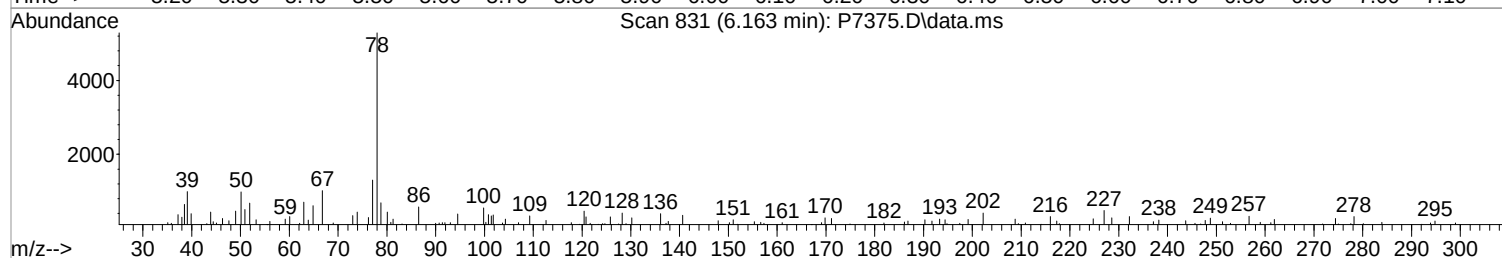
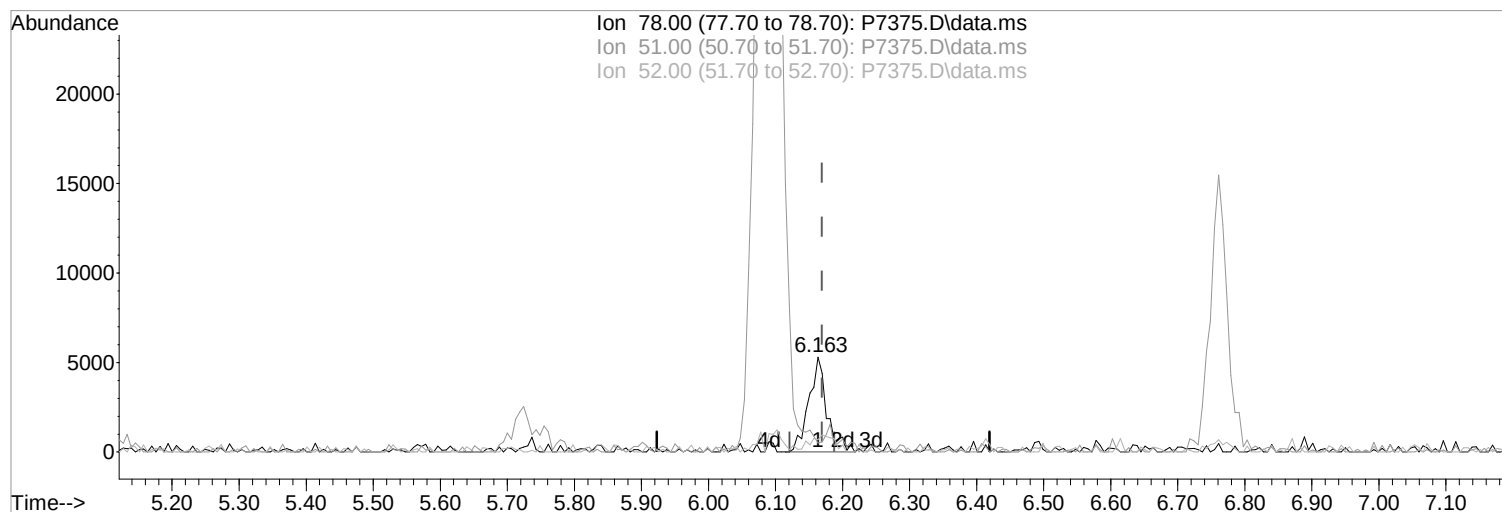
0.00	0.00	0.00

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(49) Benzene (P)

Manual Integration:

6.163min (-0.006) 0.45 ppb m

After

response 9921

Split Peak

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	9.49
52.00	16.90	12.87
0.00	0.00	0.00

01/05/17

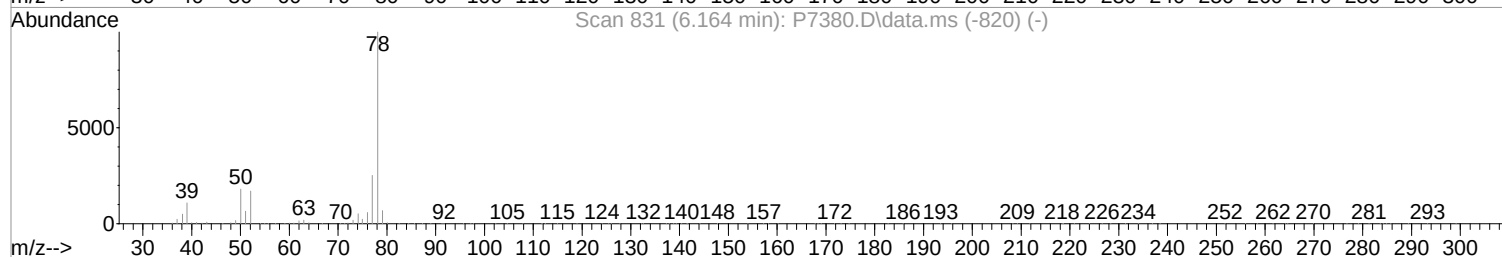
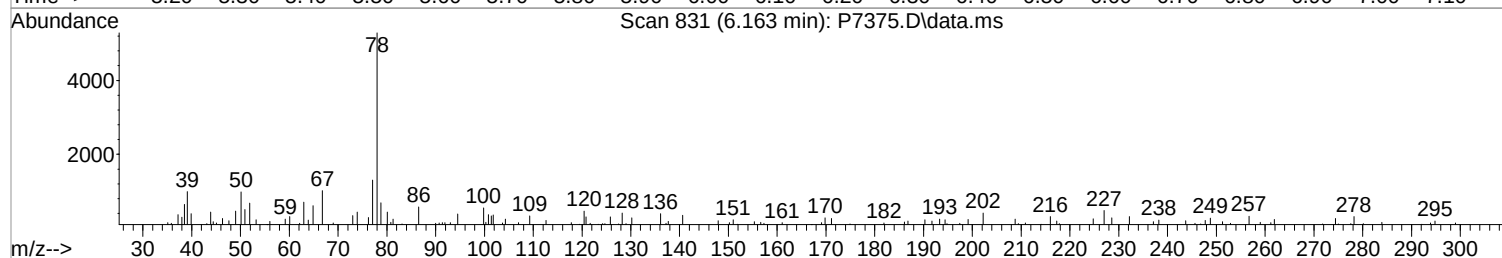
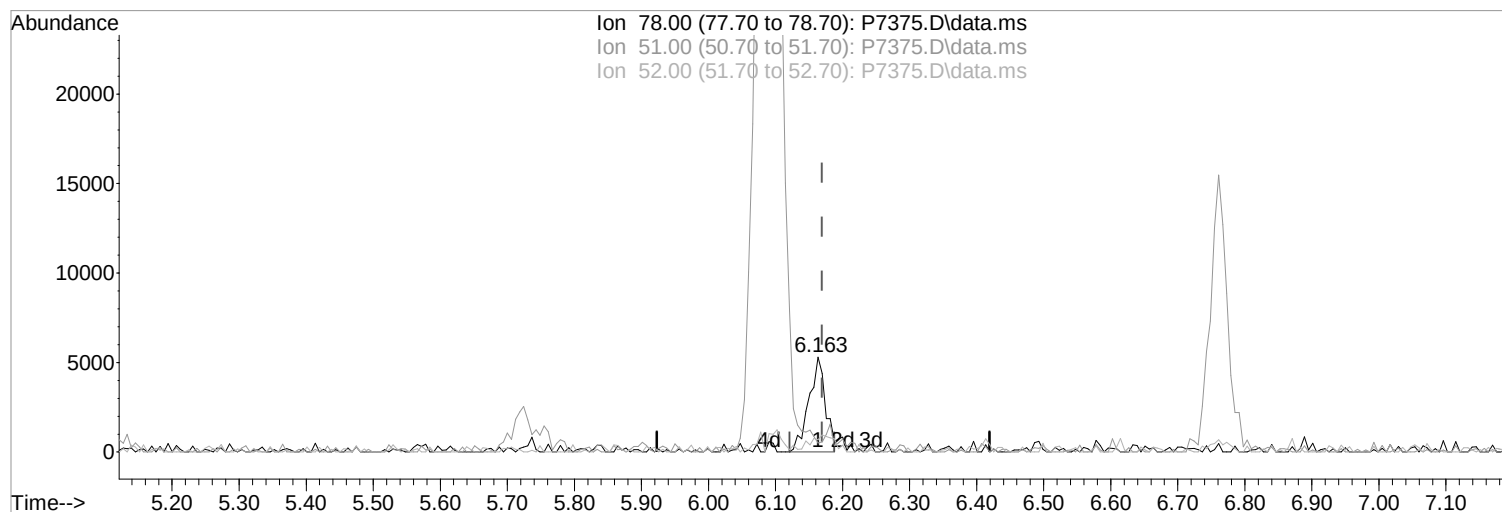
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(49) Benzene (P)

Manual Integration:

6.163min (-0.006) 0.42 ppb

Before

response 9163

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	9.49
52.00	16.90	12.87
0.00	0.00	0.00

01/05/17

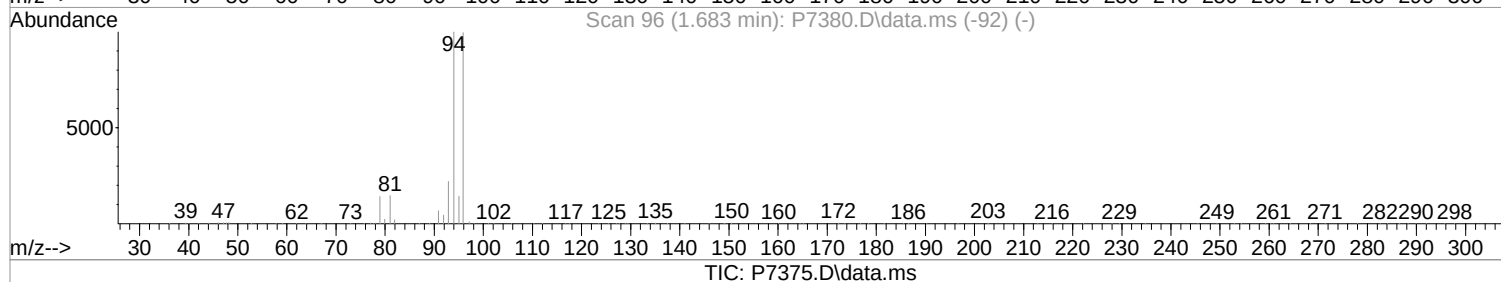
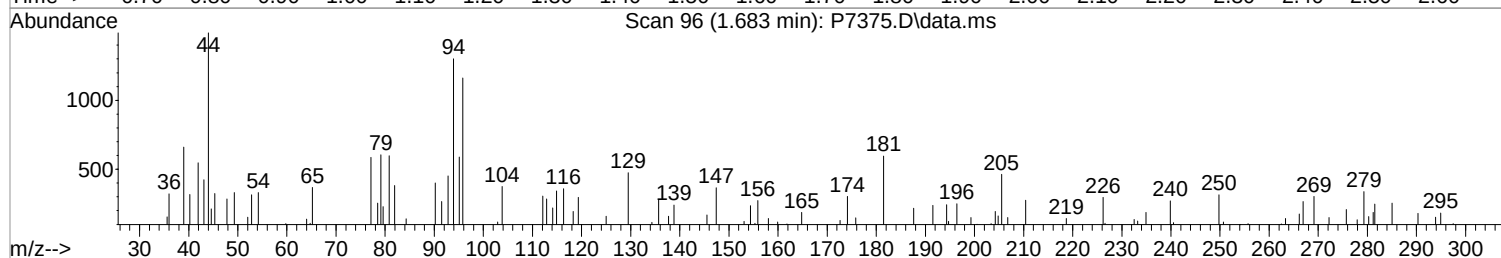
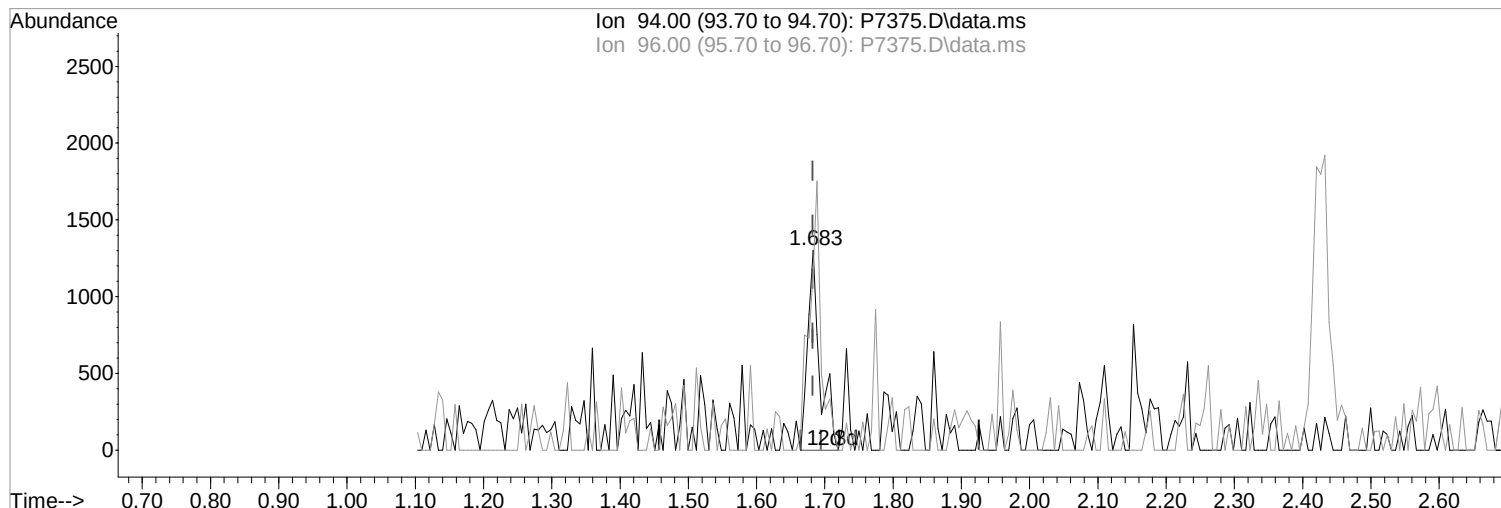
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(5) Bromomethane (P)

1.683min (+0.000) 0.44 ppb m

response 1646

Ion	Exp%	Act%
94.00	100	100
96.00	99.40	89.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

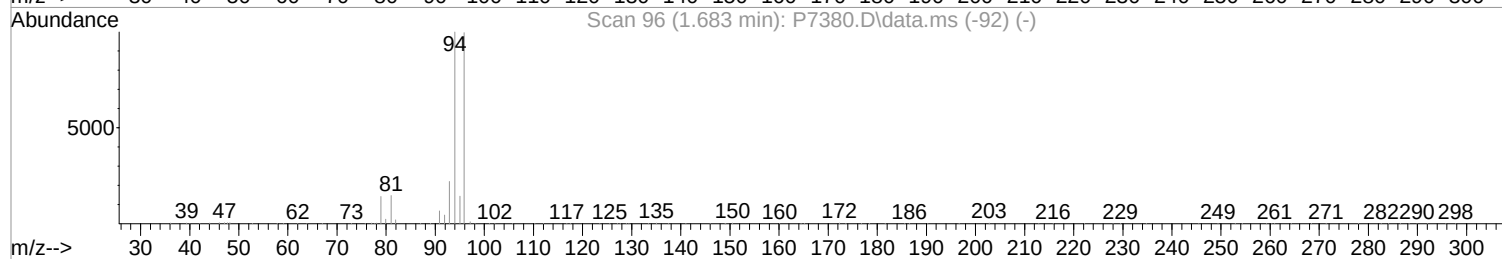
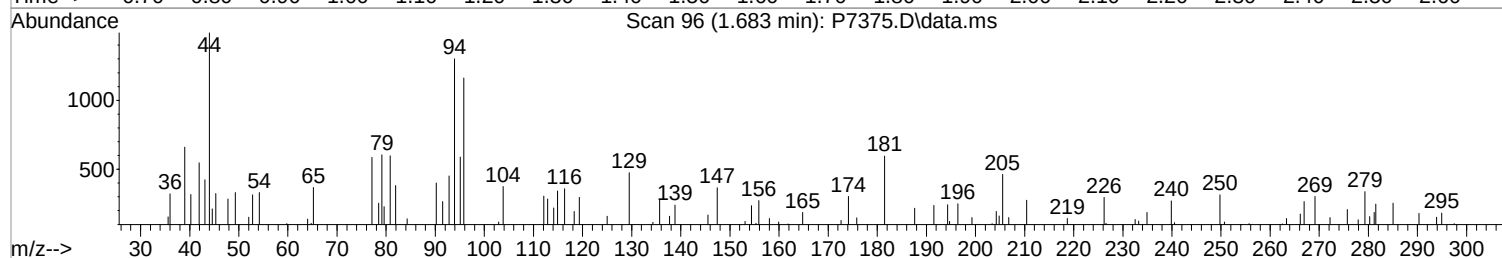
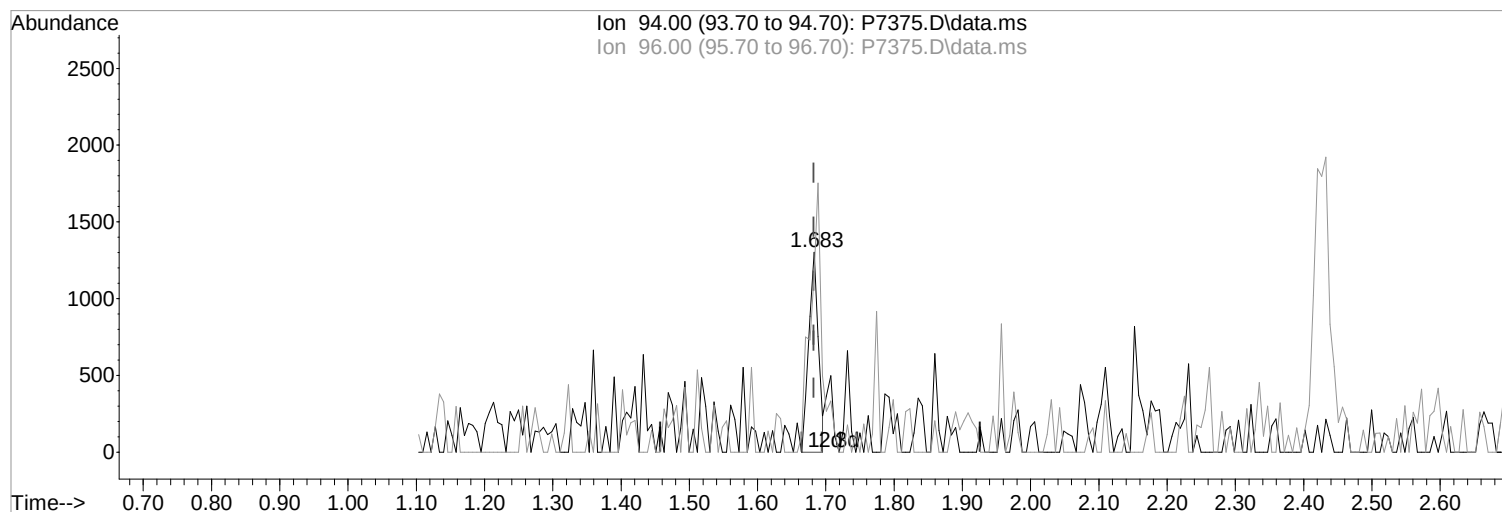
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(5) Bromomethane (P)

Manual Integration:

1.683min (+0.000) 0.34 ppb

Before

response 1291

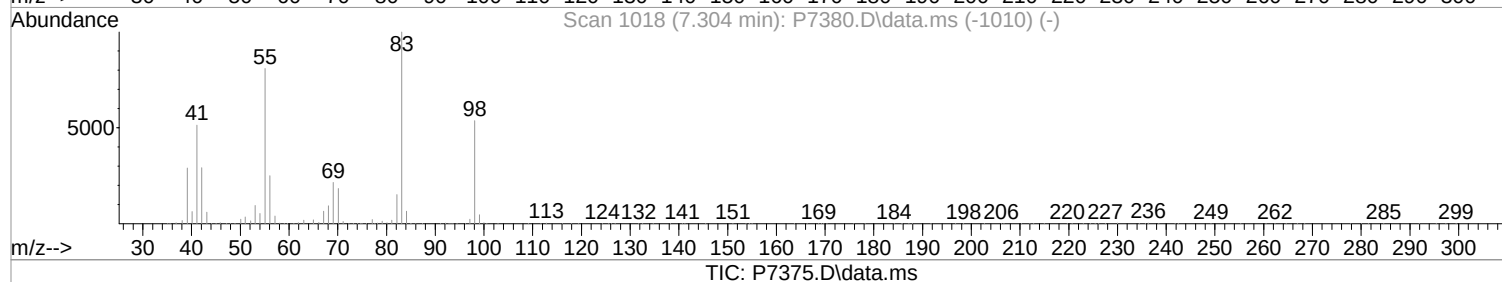
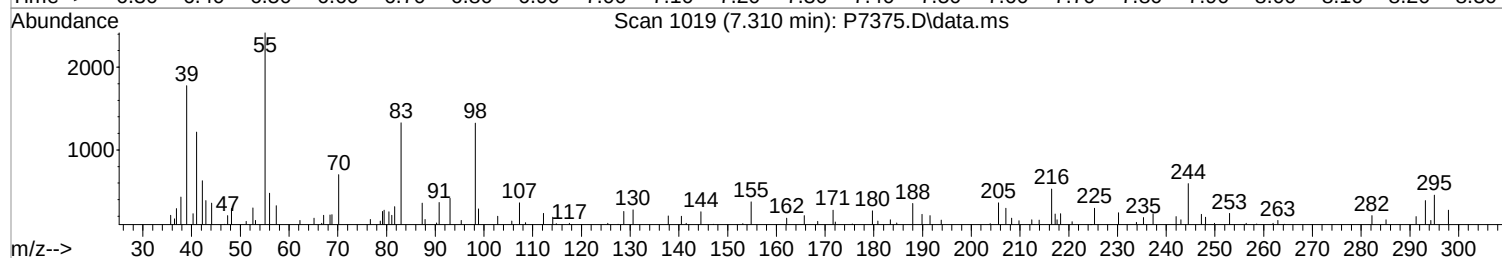
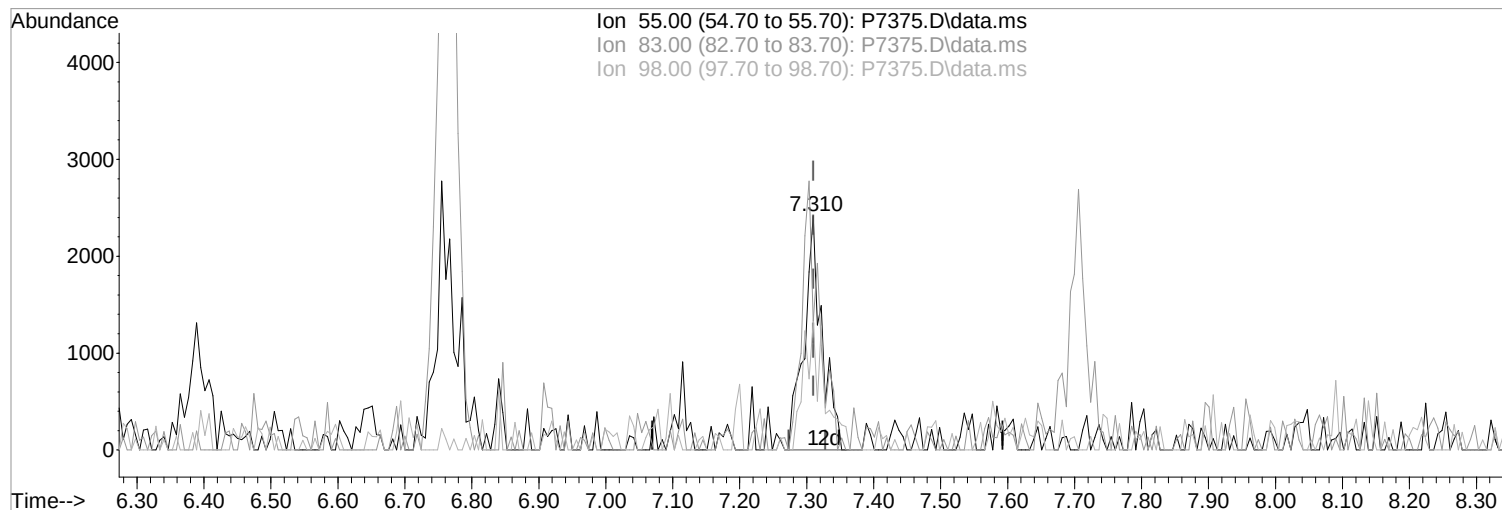
Ion	Exp%	Act%
94.00	100	100
96.00	99.40	89.25
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(55) Methylcyclohexane (P)

Manual Integration:

7.310min (+0.000) 0.60 ppb m

After

response 4526

Split Peak

Ion	Exp%	Act%
55.00	100	100
83.00	123.20	54.97#
98.00	66.20	54.88
0.00	0.00	0.00

01/05/17

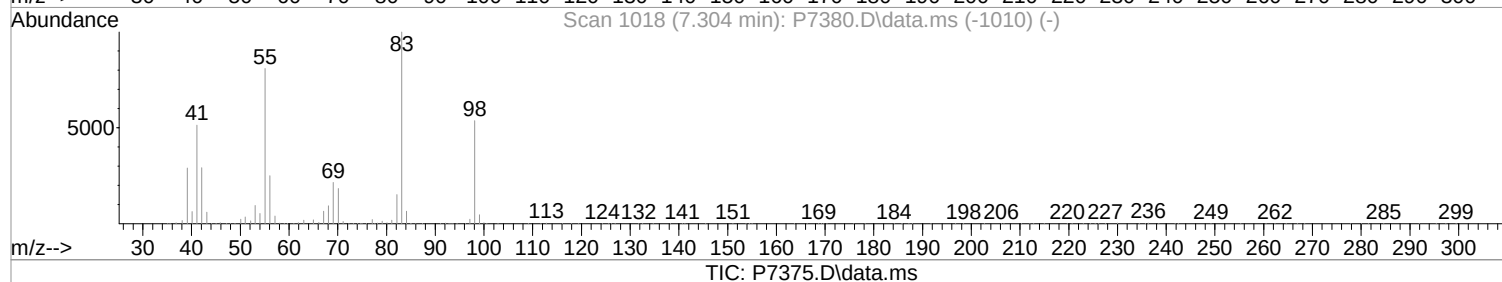
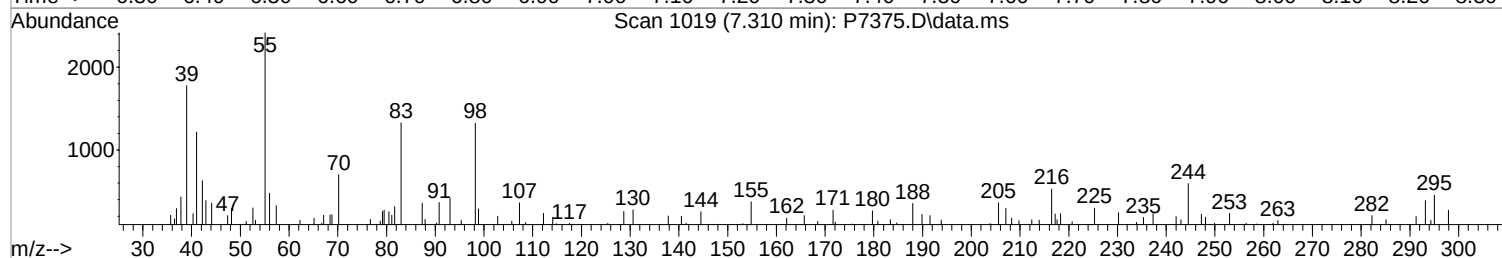
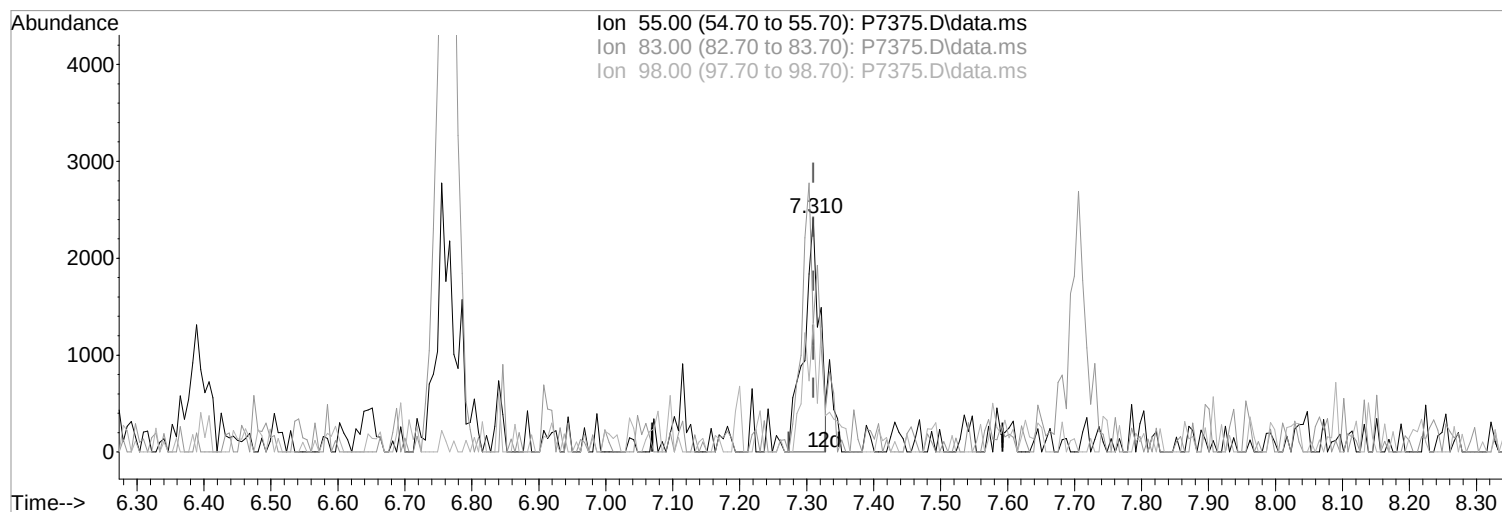
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(55) Methylcyclohexane (P)

Manual Integration:

7.310min (+0.000) 0.52 ppb

Before

response 3890

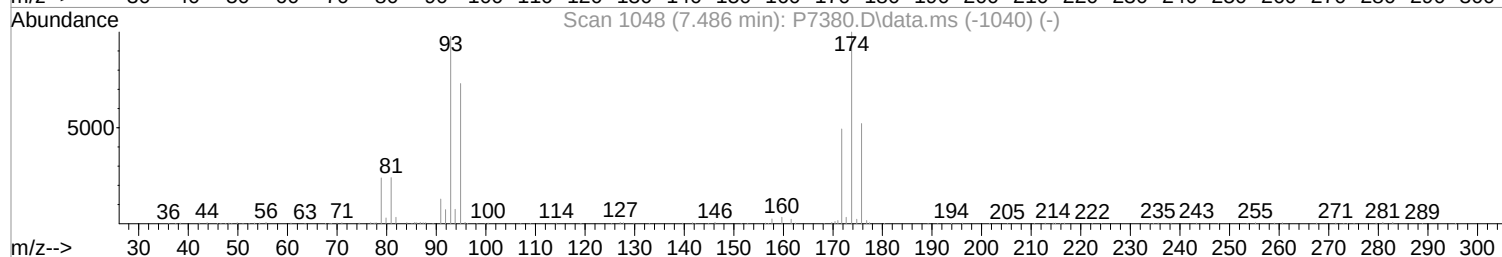
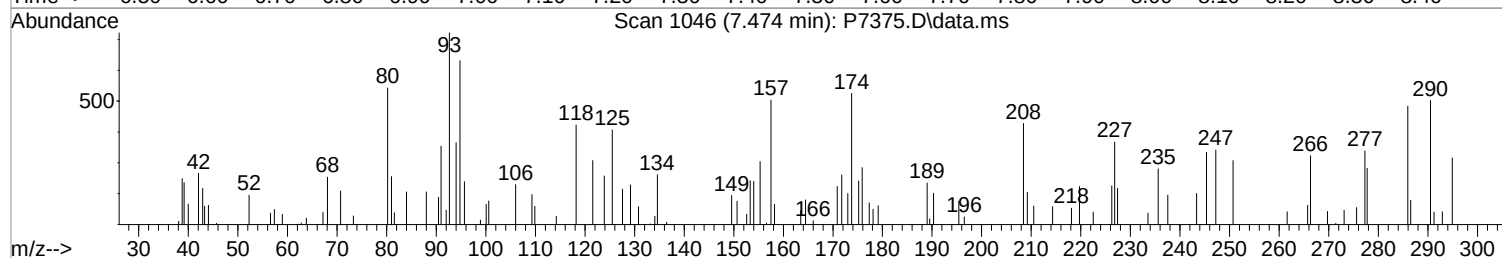
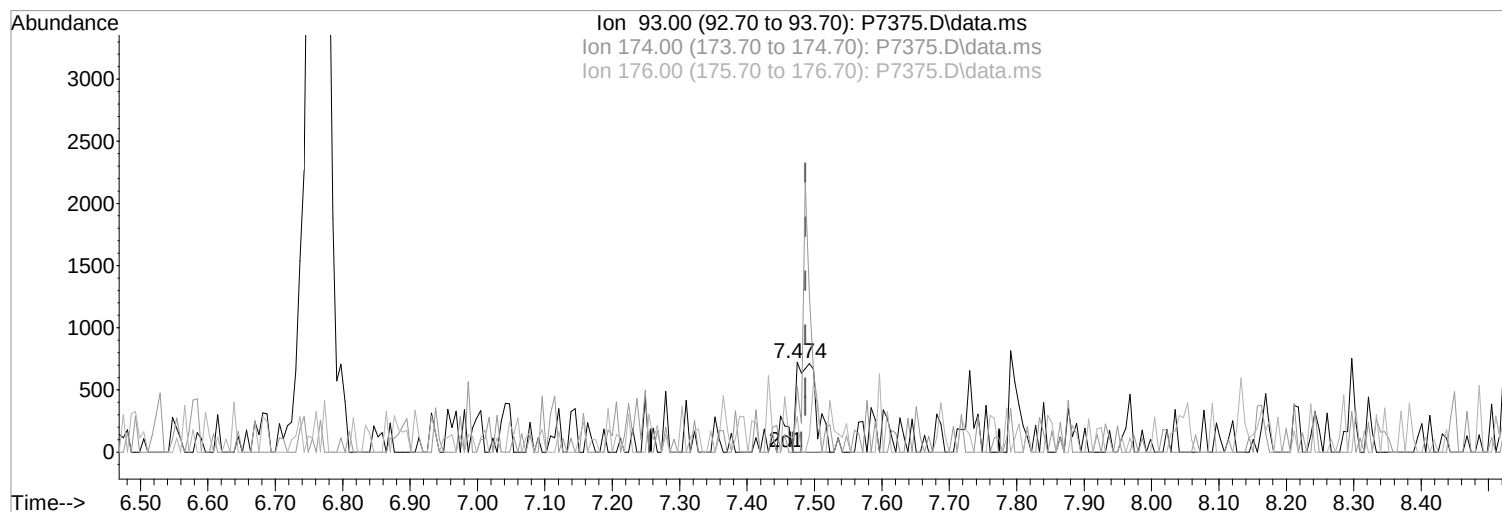
Ion	Exp%	Act%
55.00	100	100
83.00	123.20	54.97#
98.00	66.20	54.88
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(57) Dibromomethane

7.474min (-0.012) 0.47 ppb m

response 1480

Ion	Exp%	Act%
93.00	100	100
174.00	102.80	72.71#
176.00	53.50	39.34
0.00	0.00	0.00

Manual Integration:

After

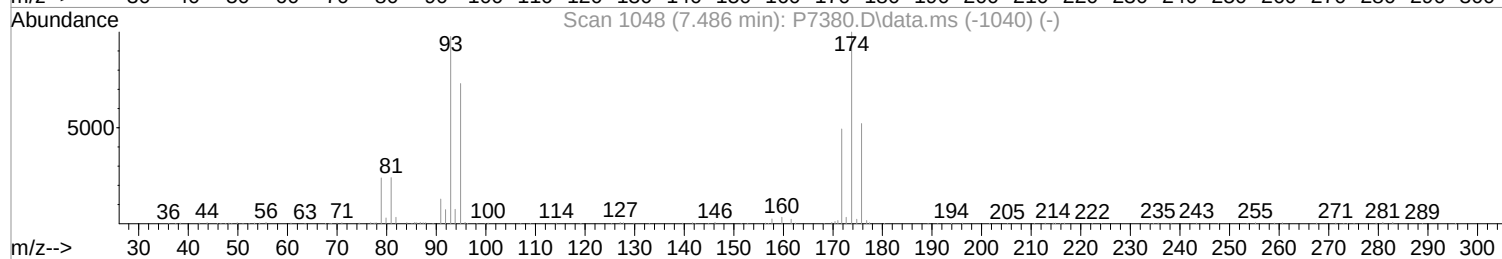
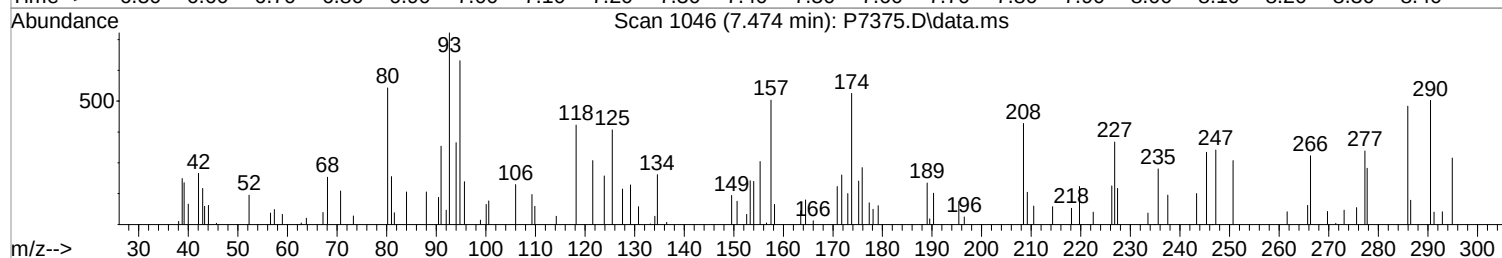
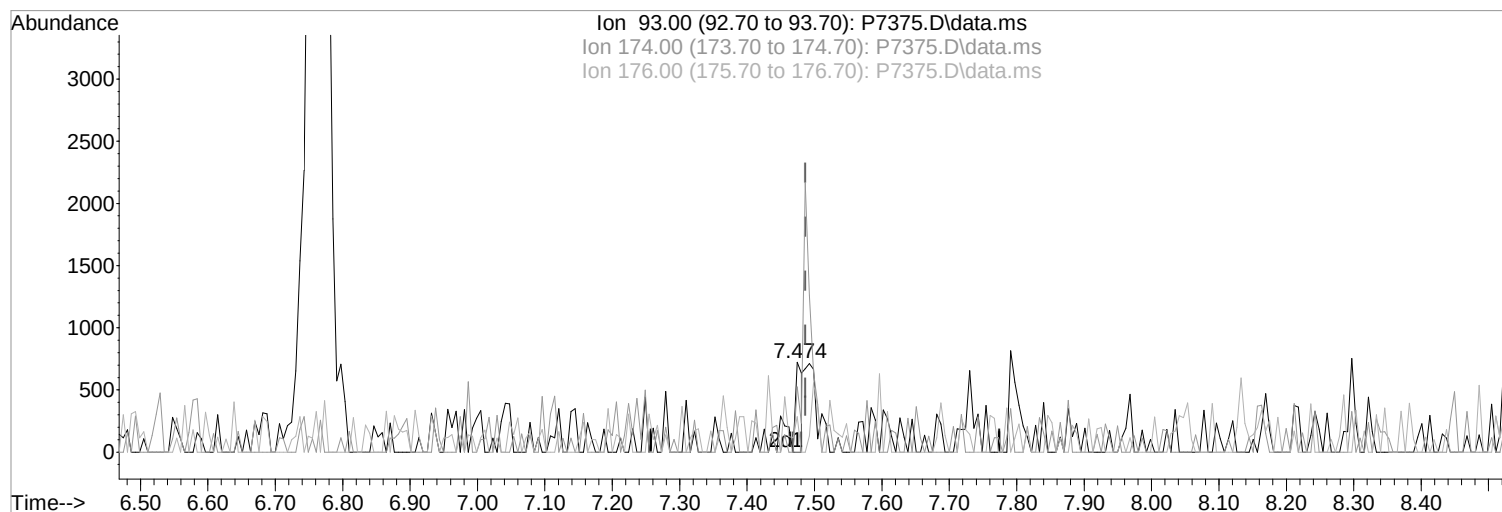
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(57) Dibromomethane

Manual Integration:

7.474min (-0.012) 0.16 ppb

Before

response 496

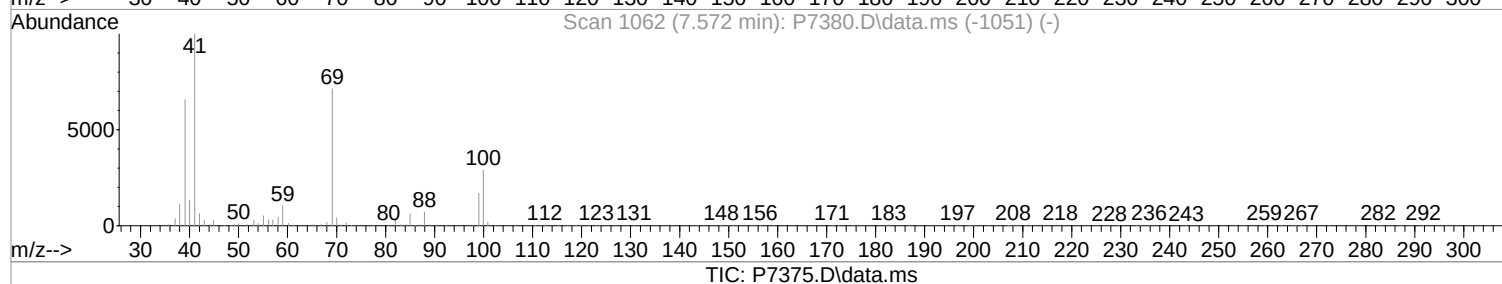
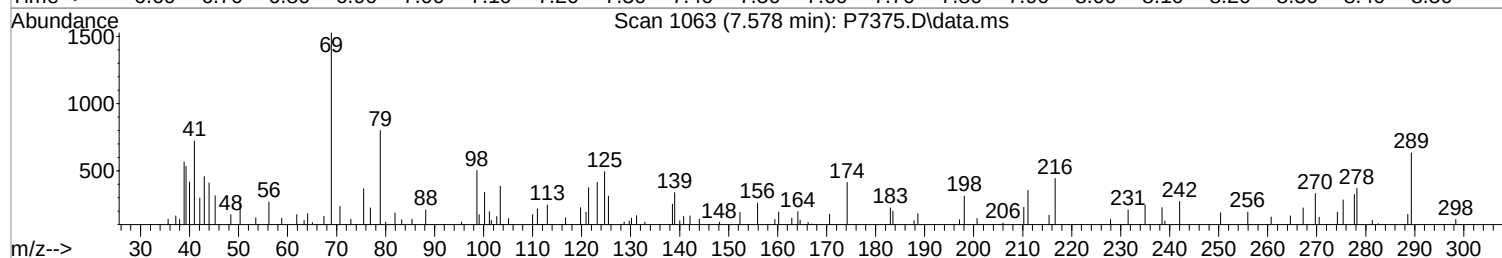
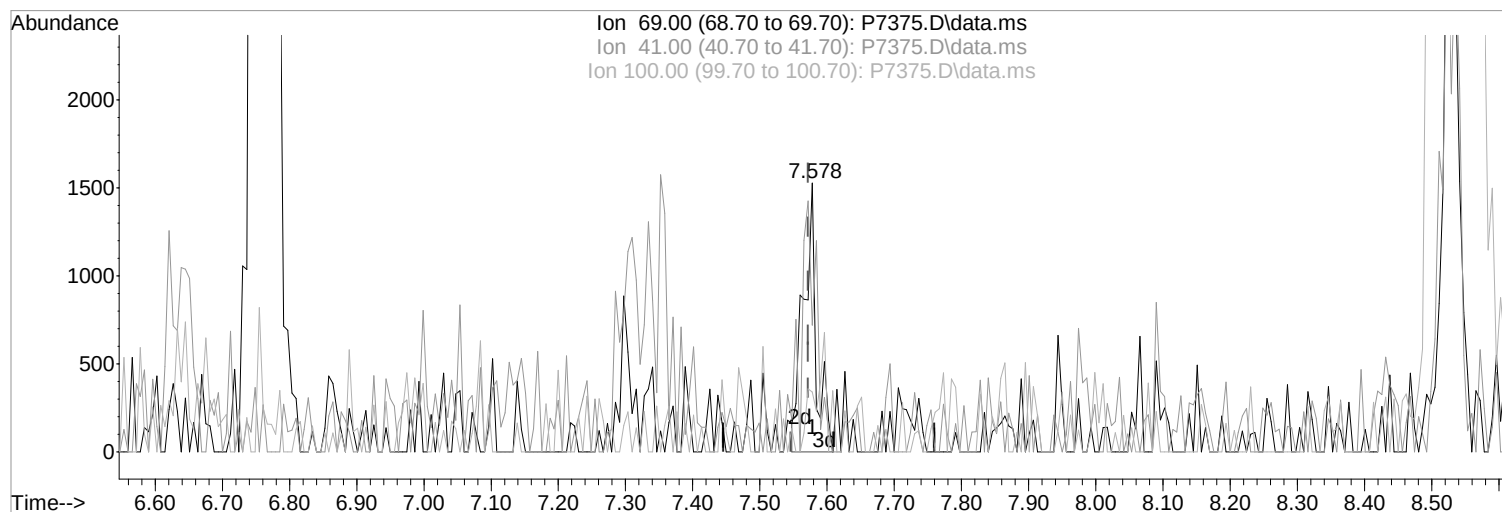
Ion	Exp%	Act%
93.00	100	100
174.00	102.80	72.71#
176.00	53.50	39.34
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(59) Methyl Methacrylate

Manual Integration:

7.578min (+0.006) 0.68 ppb m

After

response 2032

Split Peak

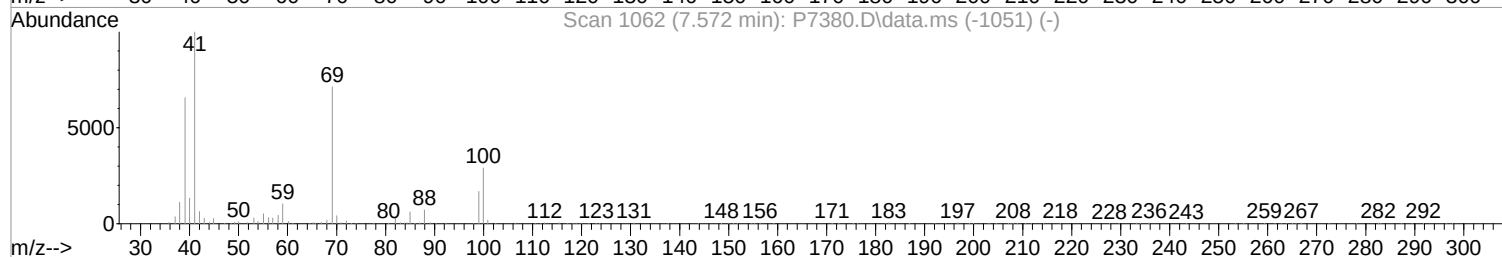
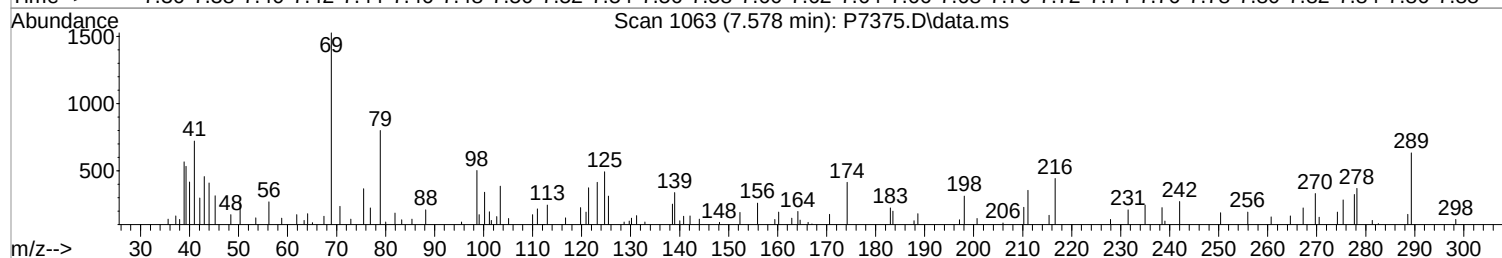
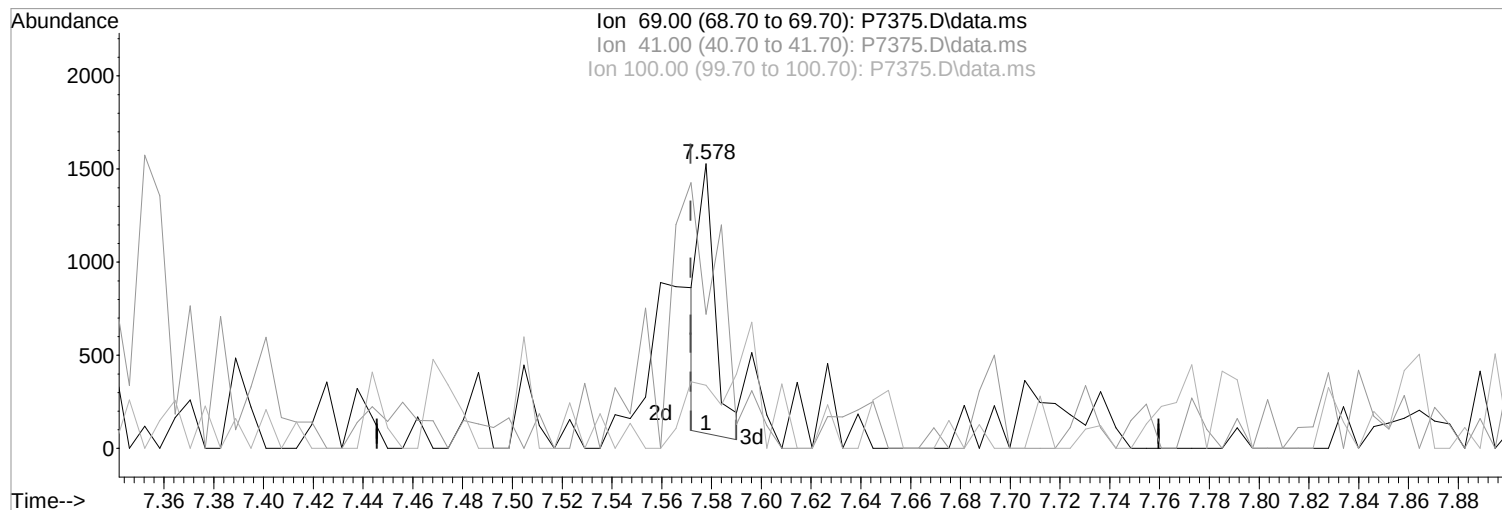
Ion	Exp%	Act%
69.00	100	100
41.00	141.20	47.12#
100.00	40.80	22.25
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(59) Methyl Methacrylate

Manual Integration:

7.578min (+0.006) 0.22 ppb

Before

response 639

Ion	Exp%	Act%
69.00	100	100
41.00	141.20	47.12#
100.00	40.80	22.25
0.00	0.00	0.00

01/05/17

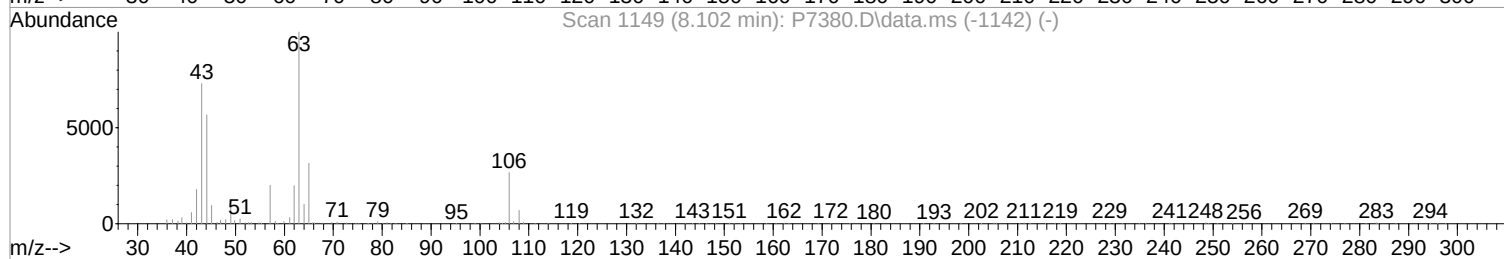
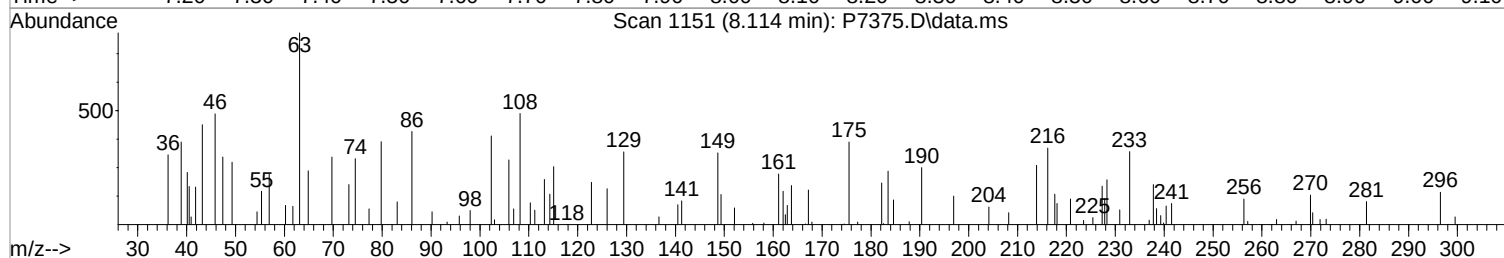
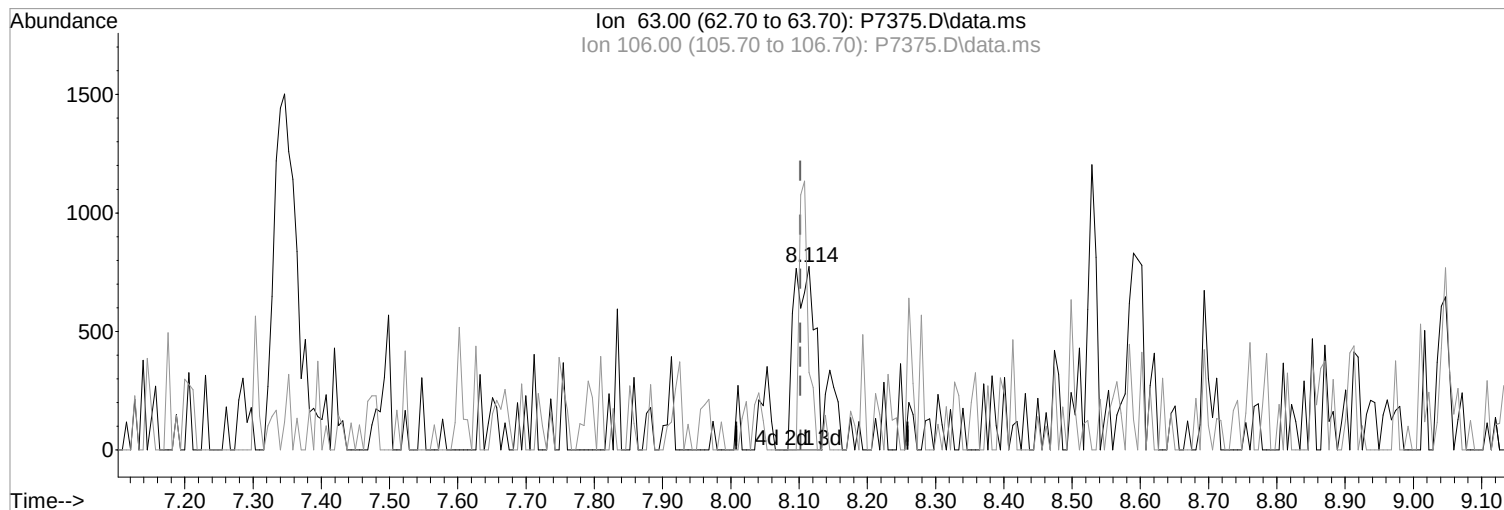
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(62) 2-Chloroethylvinyl Ether

8.114min (+0.012) 0.54 ppb m

response 1609

Ion	Exp%	Act%
63.00	100	100
106.00	26.60	42.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

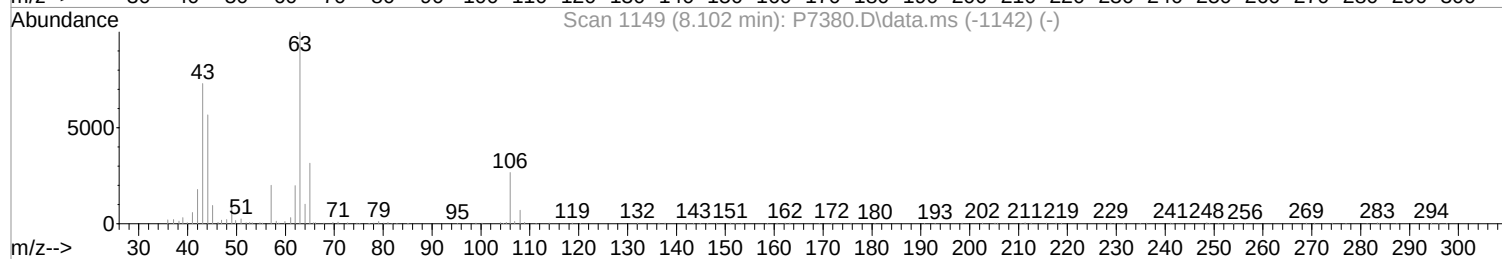
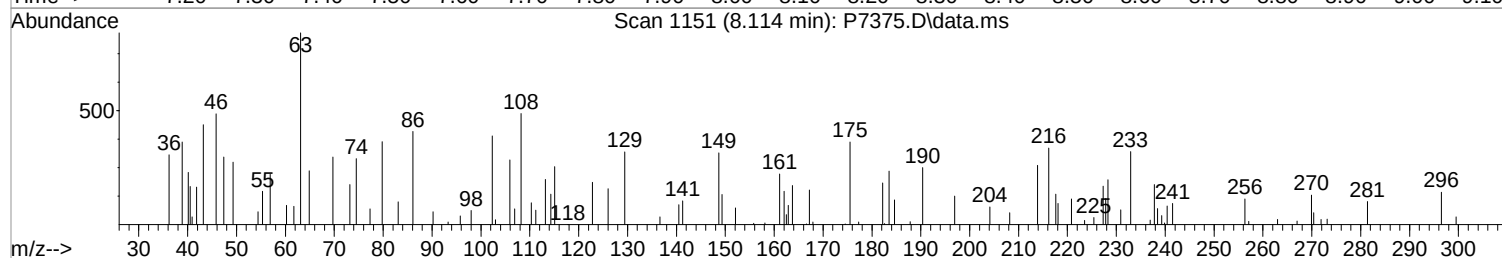
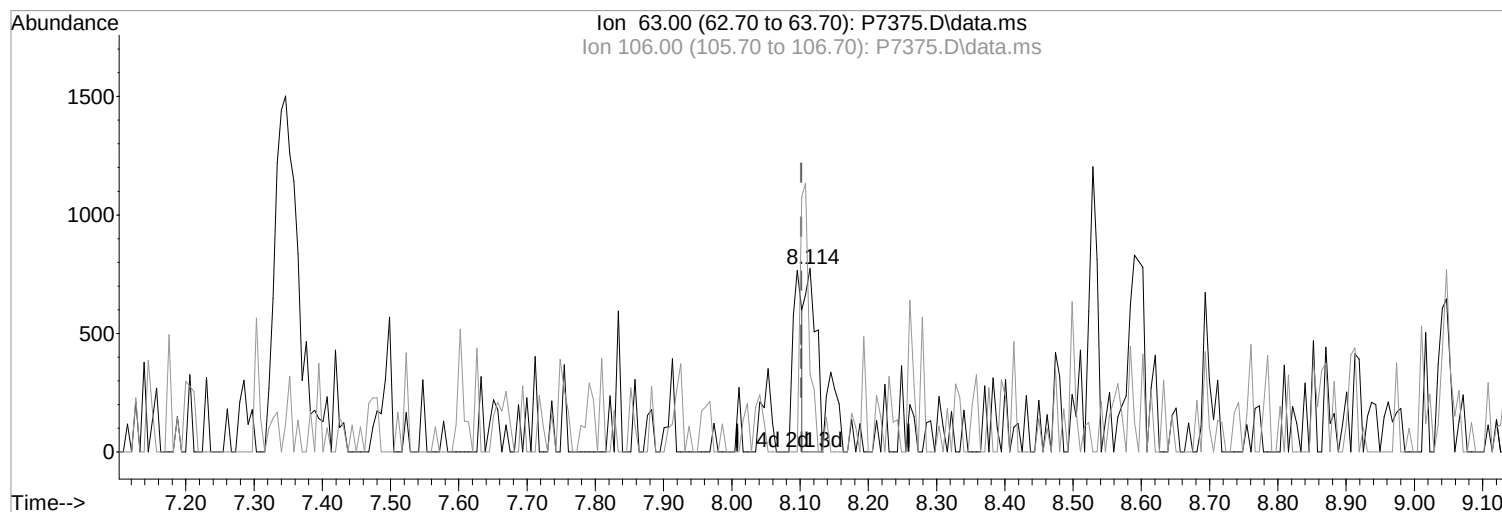
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(62) 2-Chloroethylvinyl Ether

Manual Integration:

8.114min (+0.012) 0.30 ppb

Before

response 900

Ion	Exp%	Act%
63.00	100	100
106.00	26.60	42.25
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

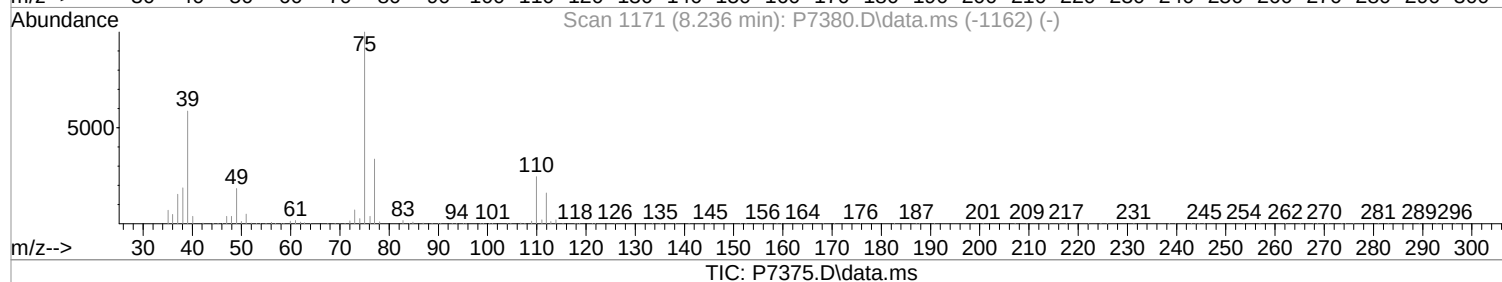
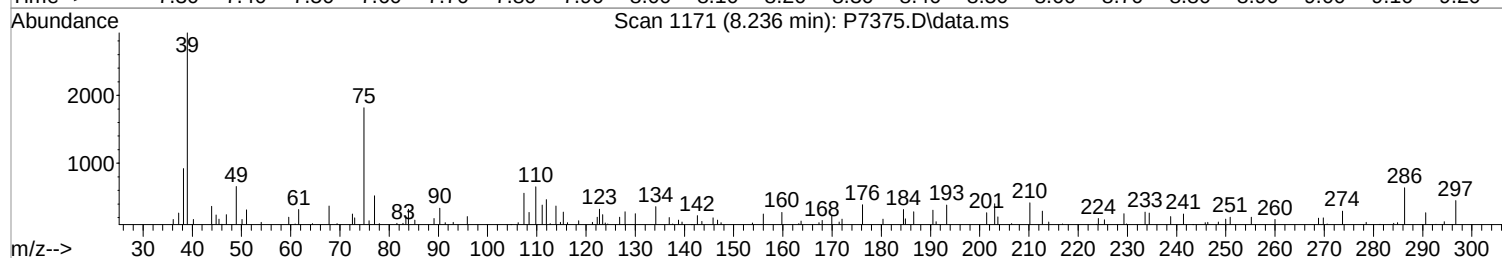
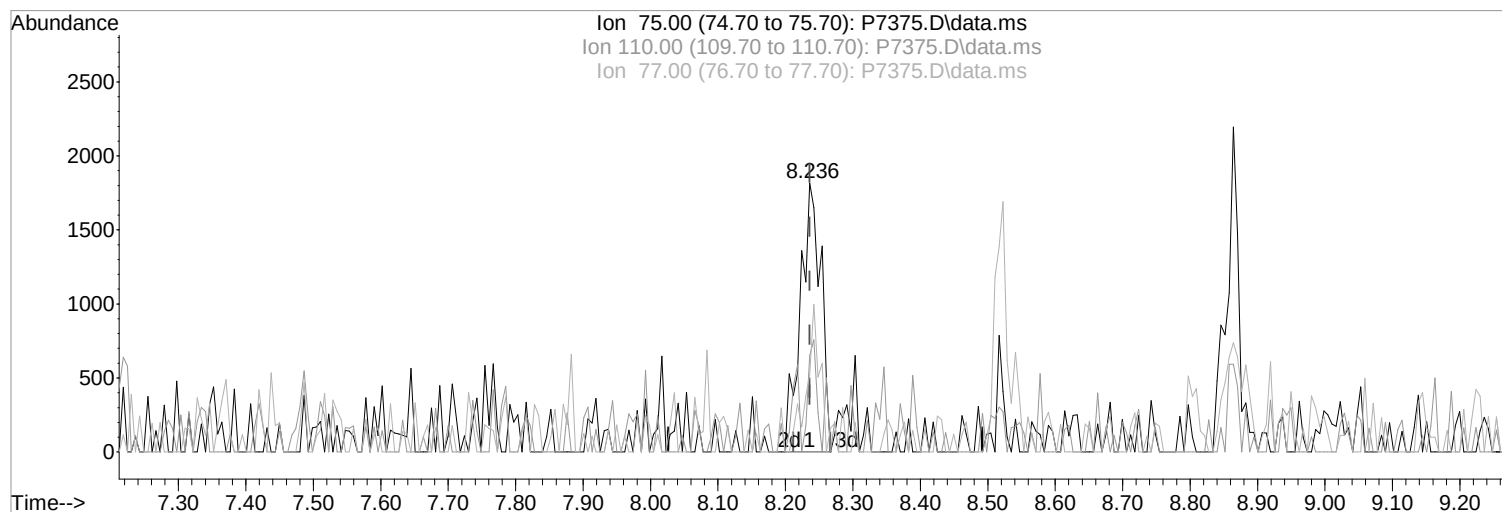
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(63) cis-1,3-Dichloropropene (P)

Manual Integration:

8.236min (+0.000) 0.43 ppb m

After

response 3815

Split Peak

Ion	Exp%	Act%
75.00	100	100
110.00	24.40	35.88
77.00	33.90	28.67
0.00	0.00	0.00

01/05/17

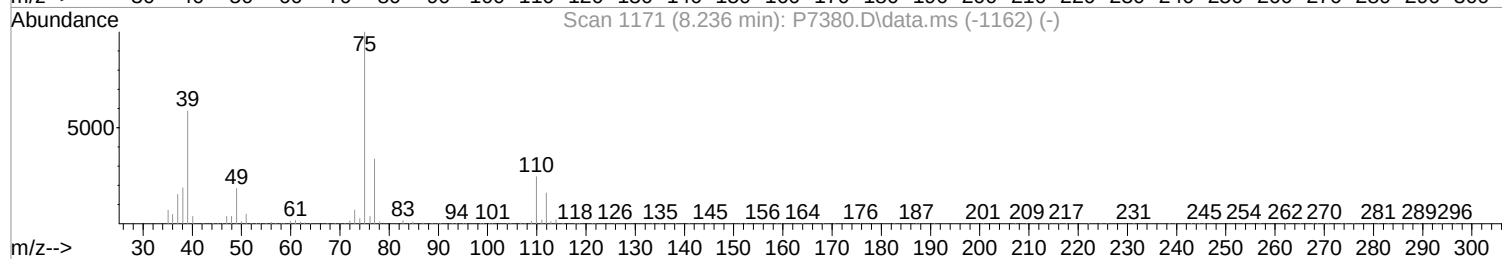
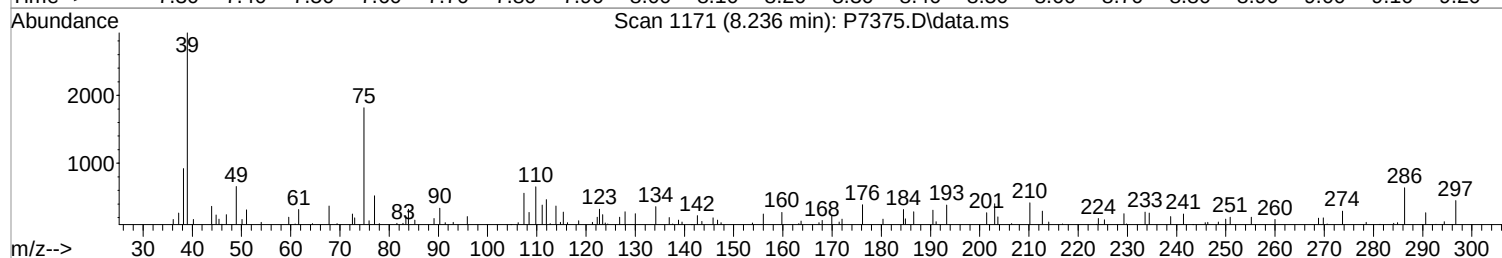
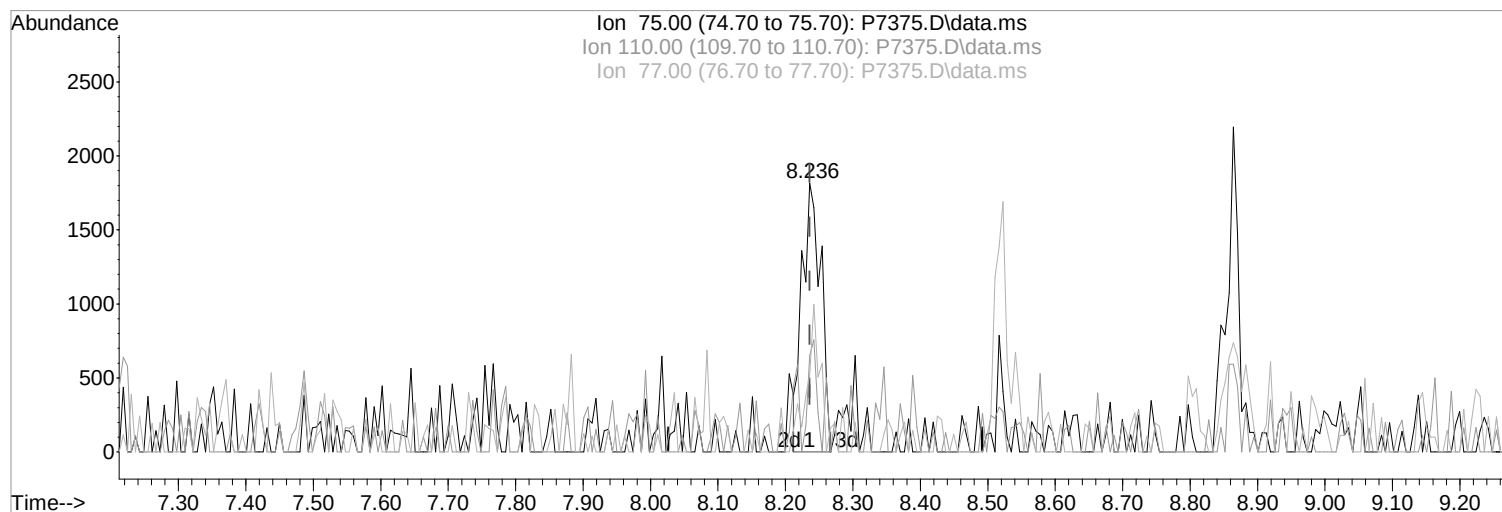
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(63) cis-1,3-Dichloropropene (P)

Manual Integration:

8.236min (+0.000) 0.39 ppb

Before

response 3482

Ion	Exp%	Act%

01/05/17

75.00	100	100

110.00	24.40	35.88

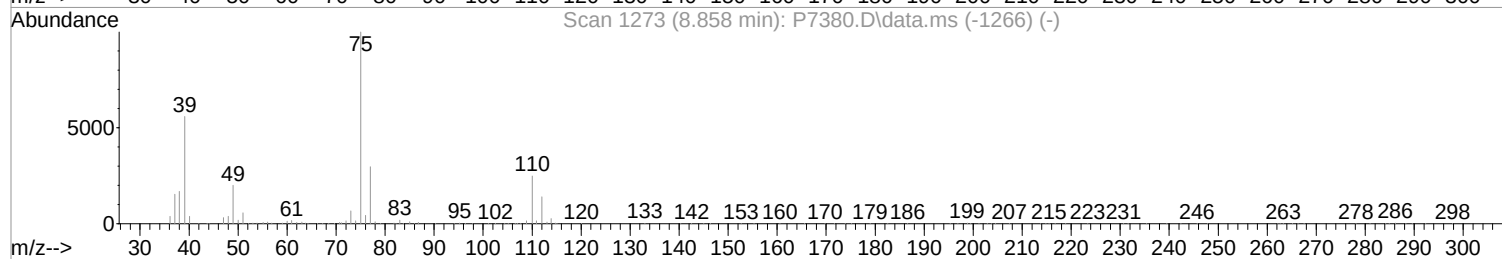
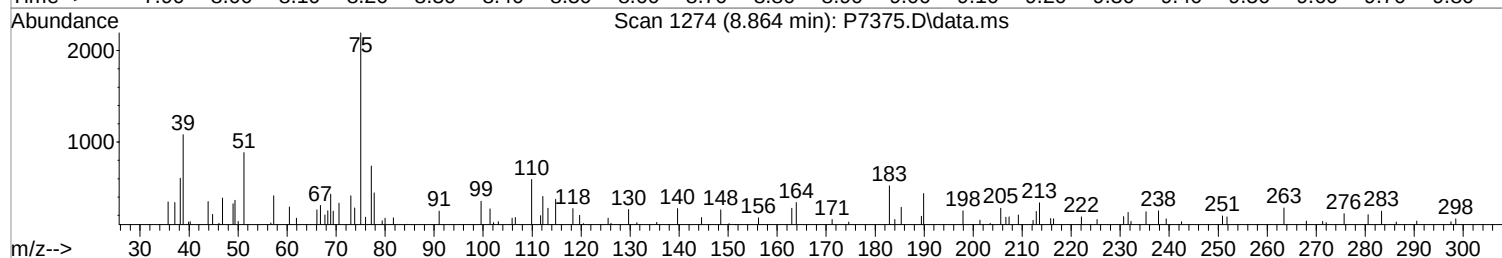
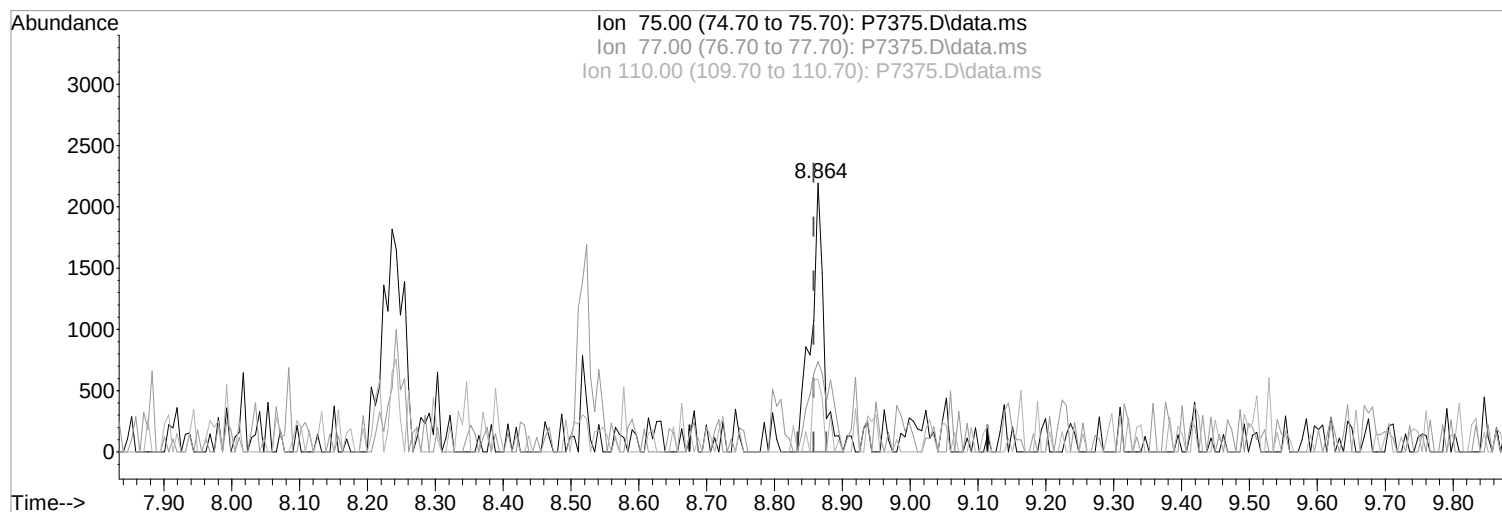
77.00	33.90	28.67

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(67) trans-1,3-Dichloropropene (P)

Manual Integration:

8.864min (+0.006) 0.39 ppb m

After

response 2828

Split Peak

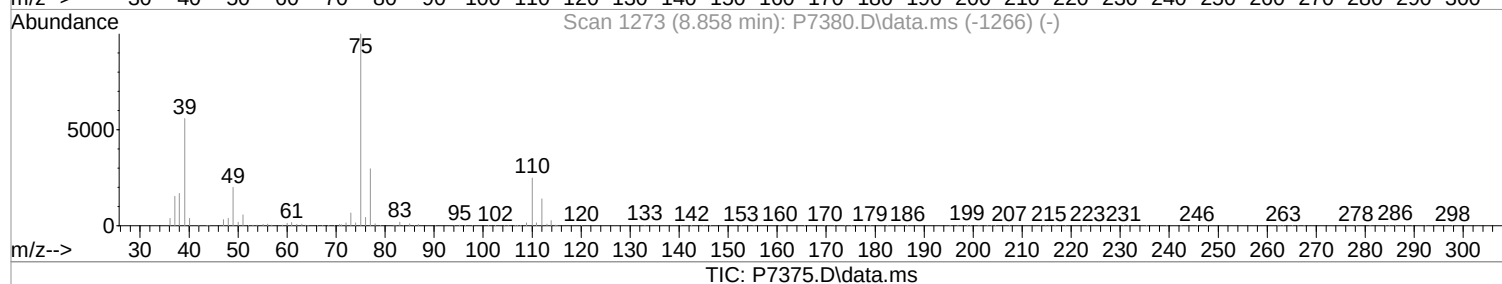
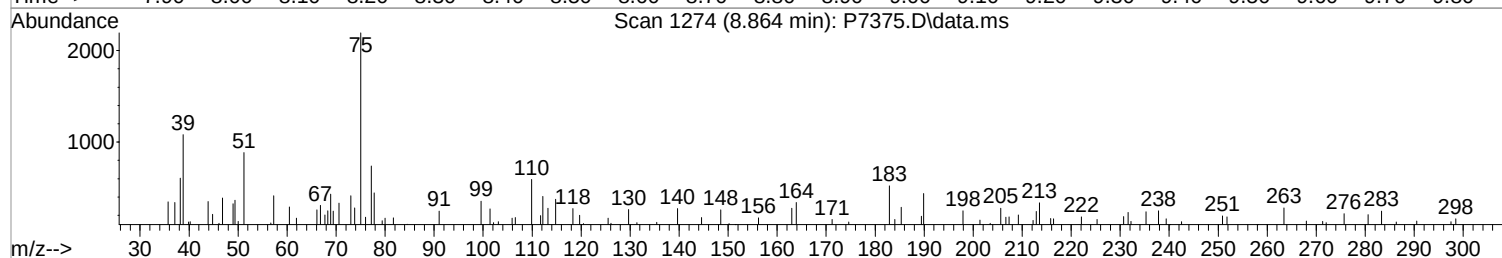
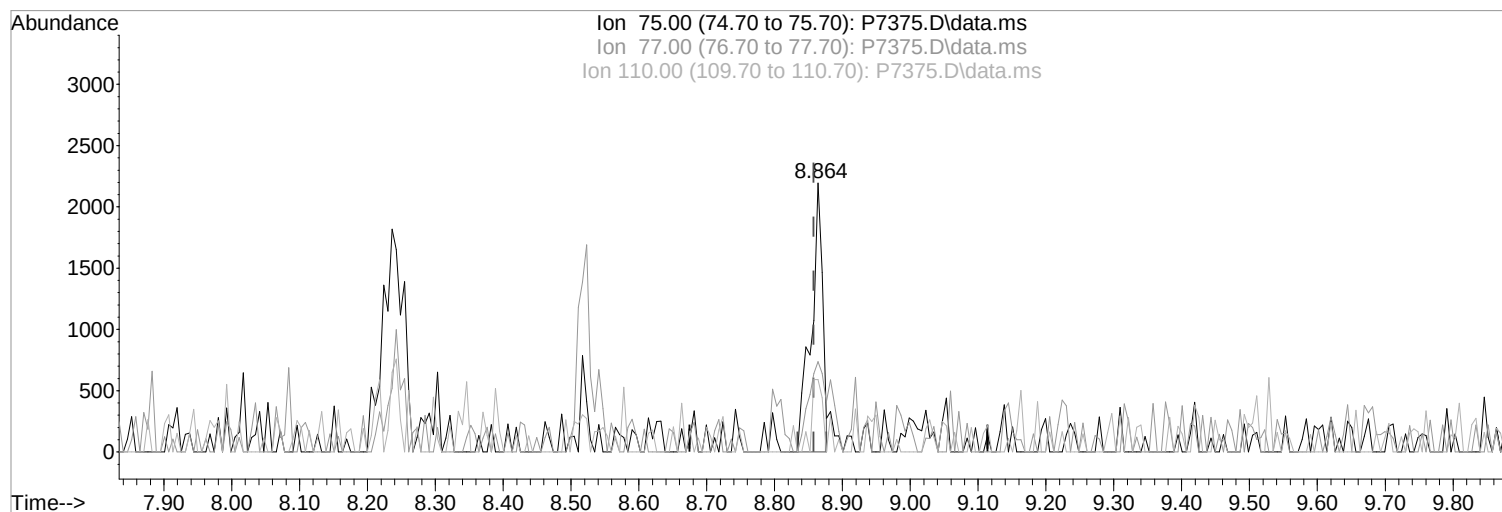
Ion	Exp%	Act%
75.00	100	100
77.00	29.70	33.58
110.00	24.70	26.97
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(67) trans-1,3-Dichloropropene (P)

Manual Integration:

8.864min (+0.006) 0.36 ppb

Before

response 2611

Ion	Exp%	Act%
75.00	100	100
77.00	29.70	33.58
110.00	24.70	26.97
0.00	0.00	0.00

01/05/17

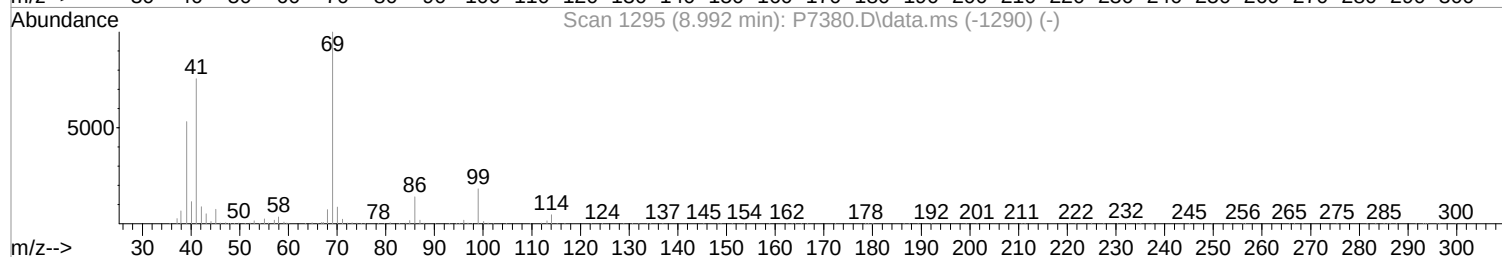
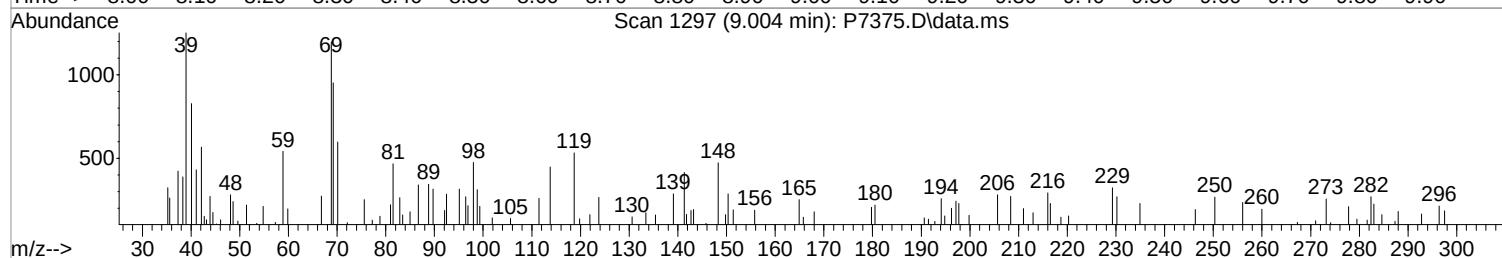
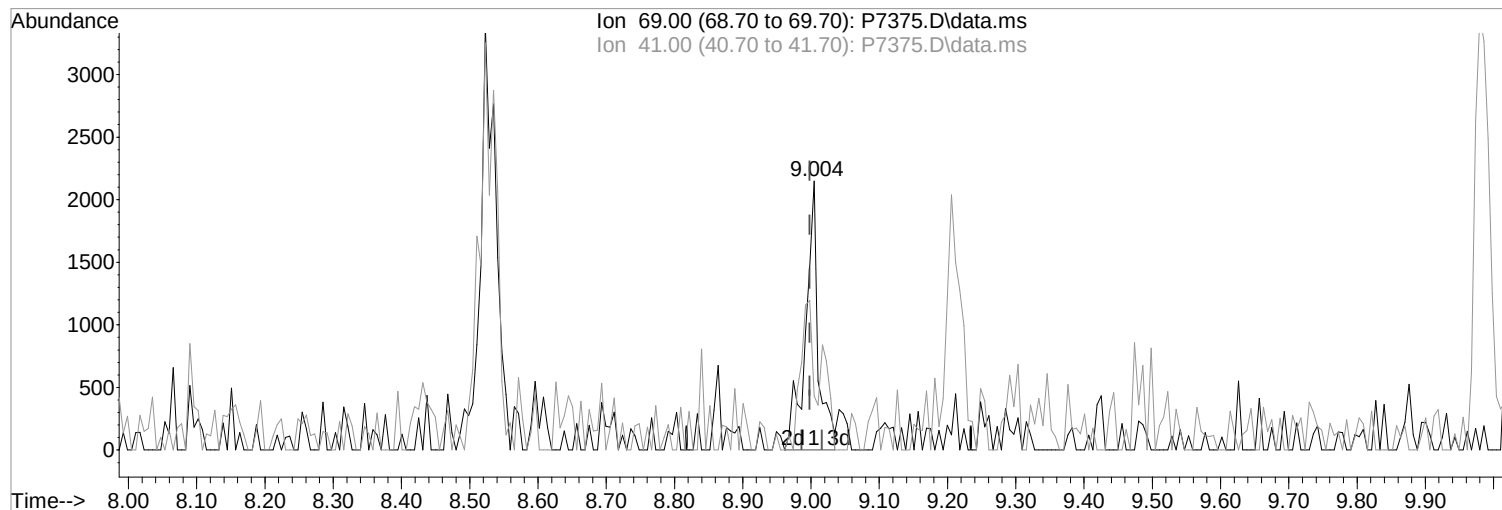
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(68) Ethyl Methacrylate

Manual Integration:

9.004min (+0.006) 0.49 ppb m

After

response 2791

Split Peak

Ion	Exp%	Act%
69.00	100	100
41.00	75.90	36.01#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

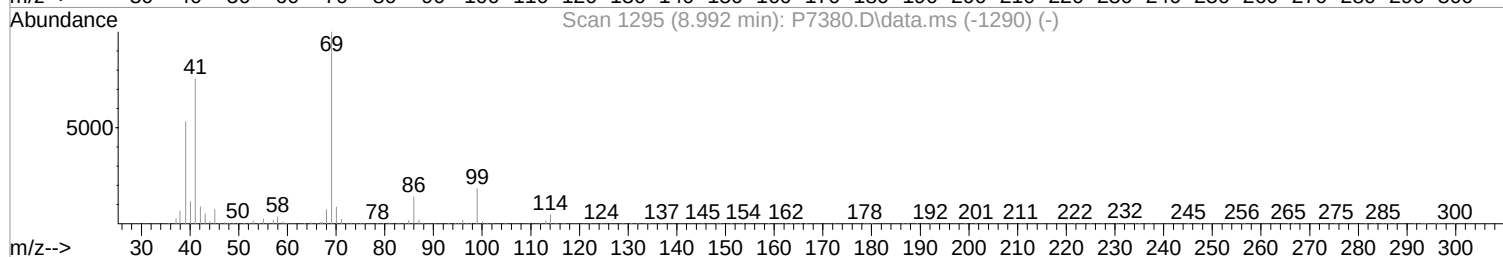
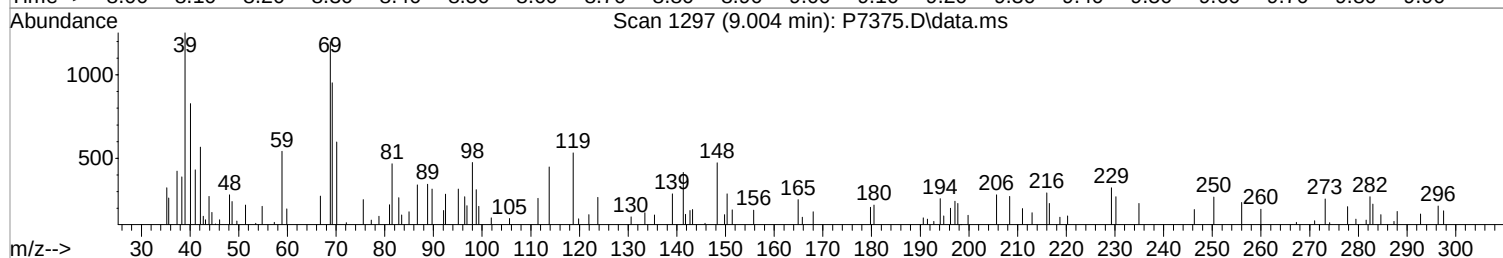
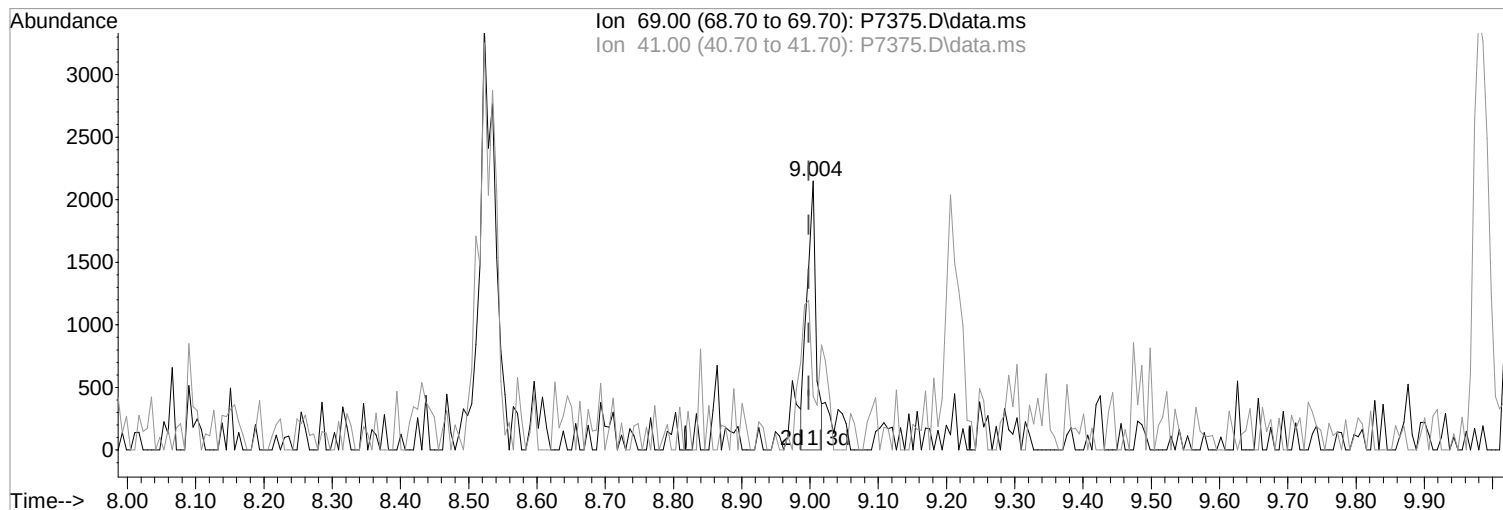
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(68) Ethyl Methacrylate

Manual Integration:

9.004min (+0.006) 0.35 ppb

Before

response 2003

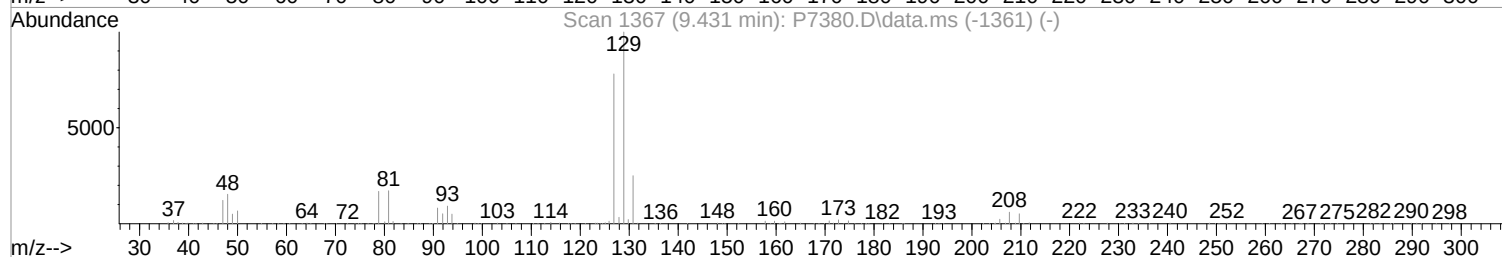
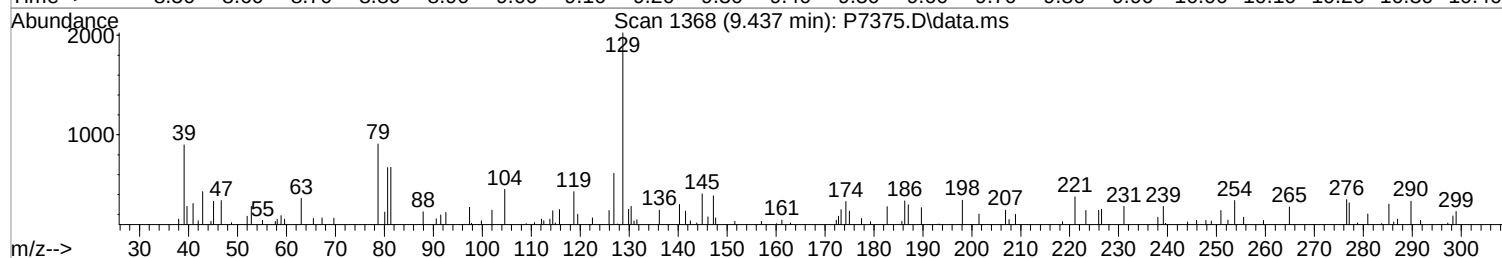
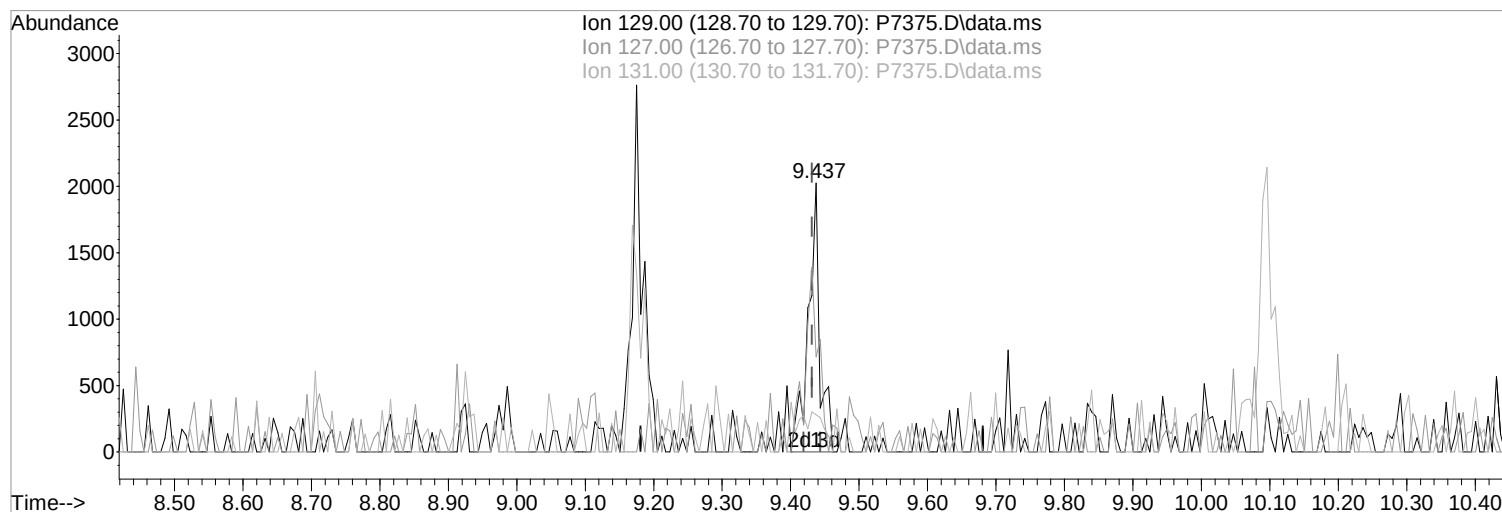
Ion	Exp%	Act%
69.00	100	100
41.00	75.90	20.06#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(75) Dibromochloromethane (P)

9.437min (+0.006) 0.51 ppb m

response 2370

Ion	Exp%	Act%

129.00	100	100

127.00	78.20	30.22#

131.00	24.90	7.21

0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

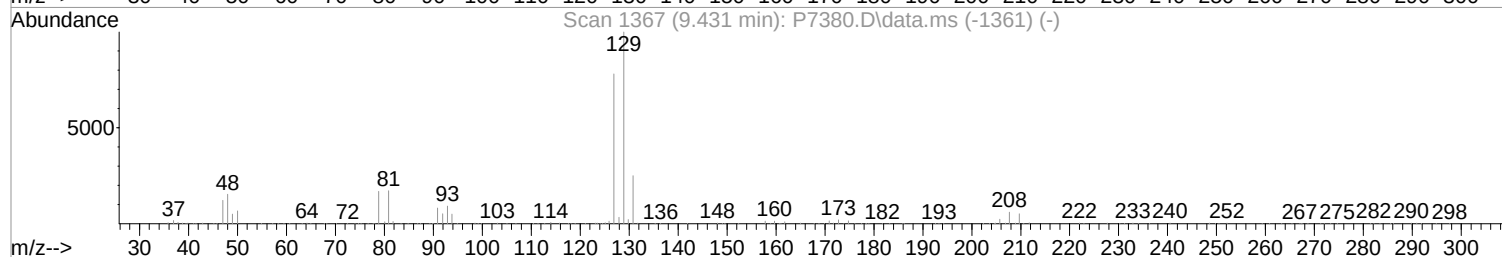
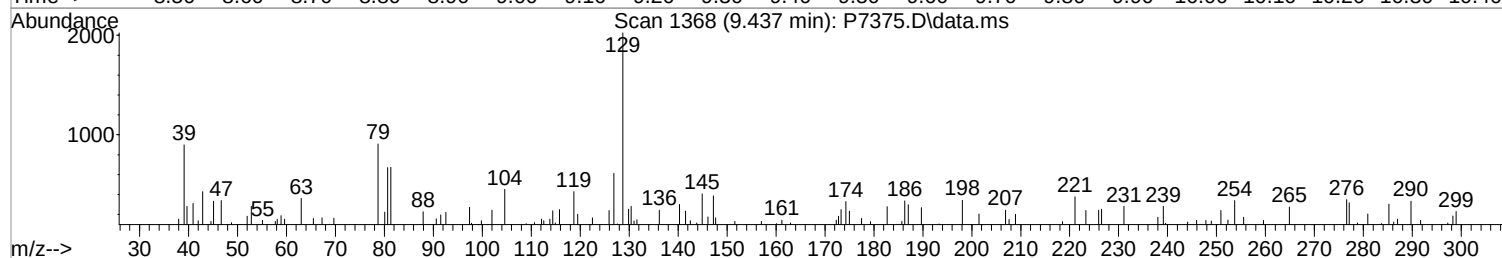
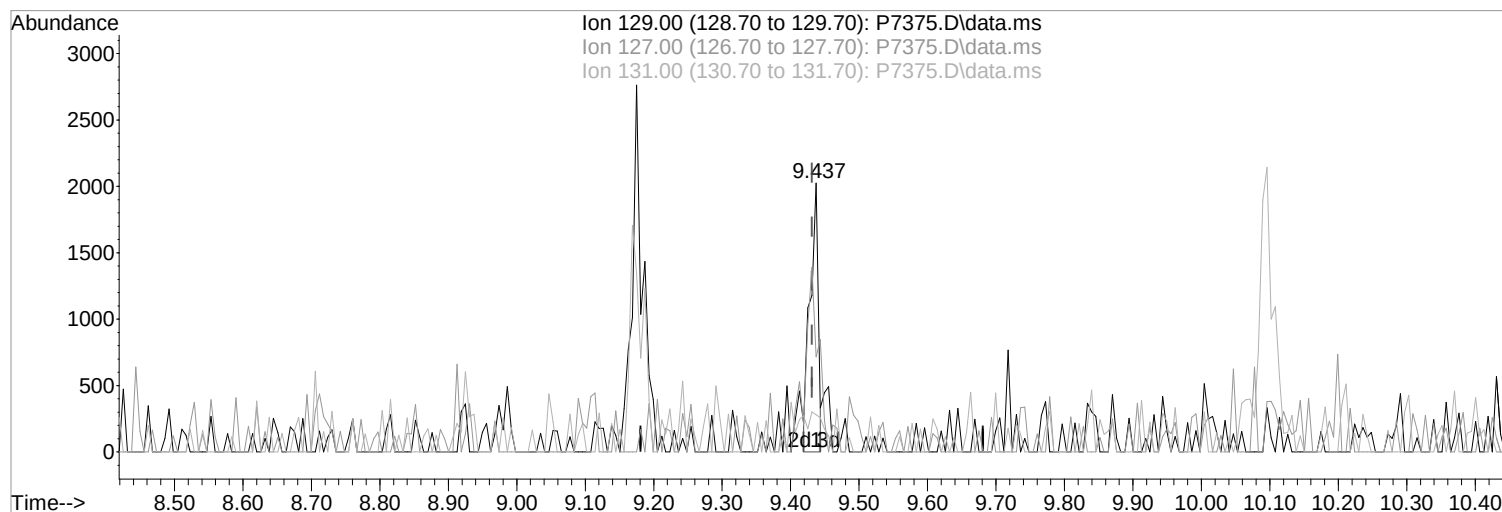
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(75) Dibromochloromethane (P)

Manual Integration:

9.437min (+0.006) 0.37 ppb

Before

response 1691

Ion Exp% Act%

01/05/17

129.00 100 100

127.00 78.20 35.36#

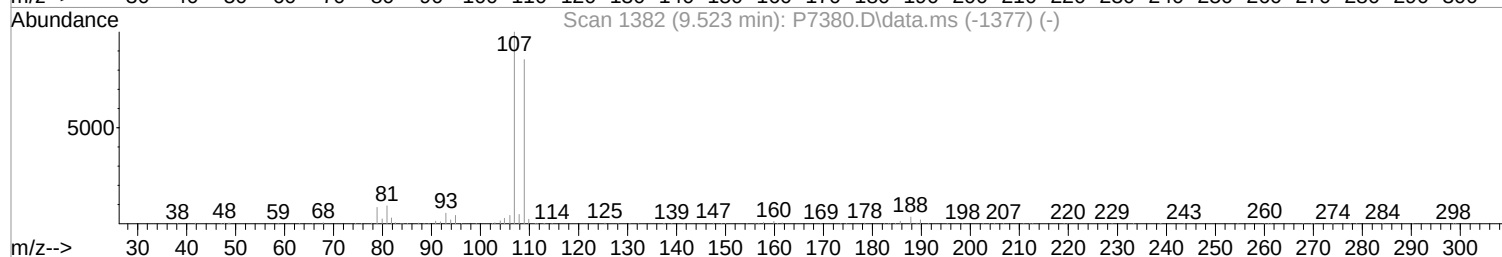
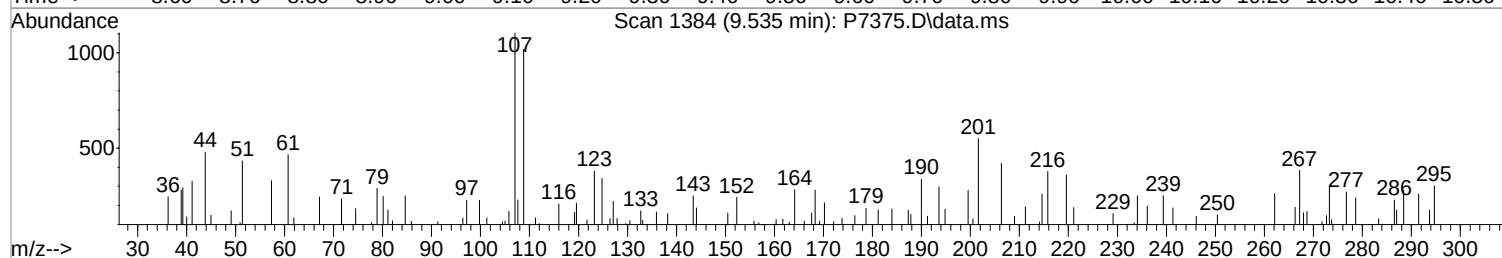
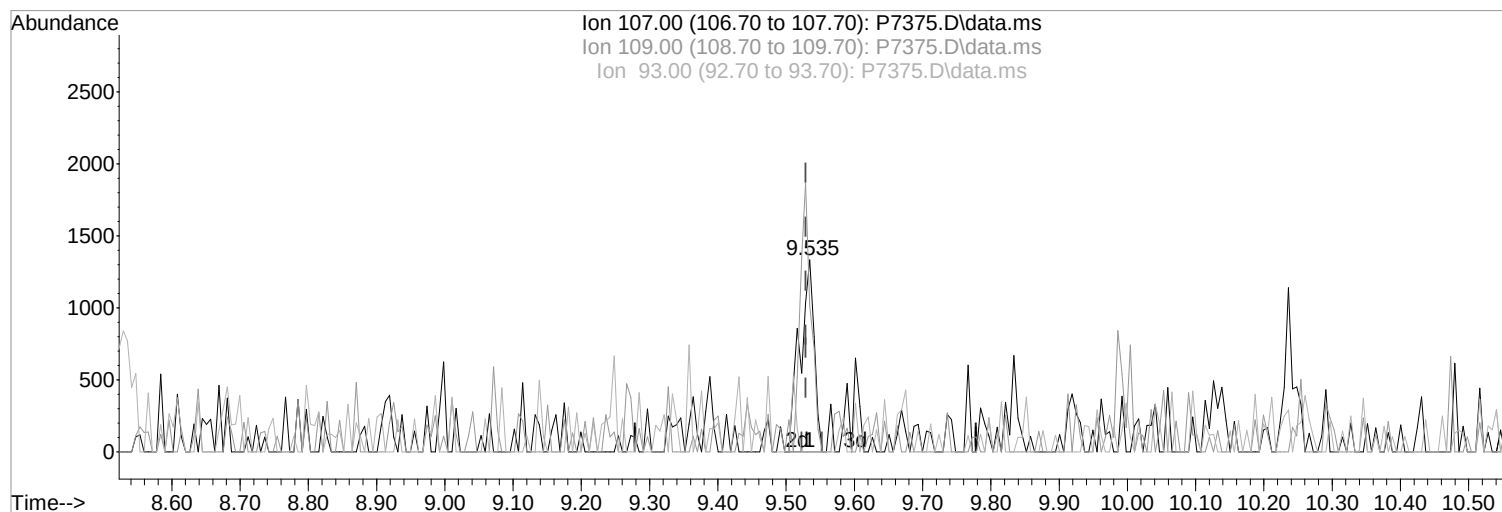
131.00 24.90 13.88

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(77) 1,2-Dibromoethane (P)

9.535min (+0.006) 0.46 ppb m

response 1941

Ion	Exp%	Act%
107.00	100	100
109.00	85.50	92.13
93.00	5.50	0.00
0.00	0.00	0.00

Manual Integration:

After

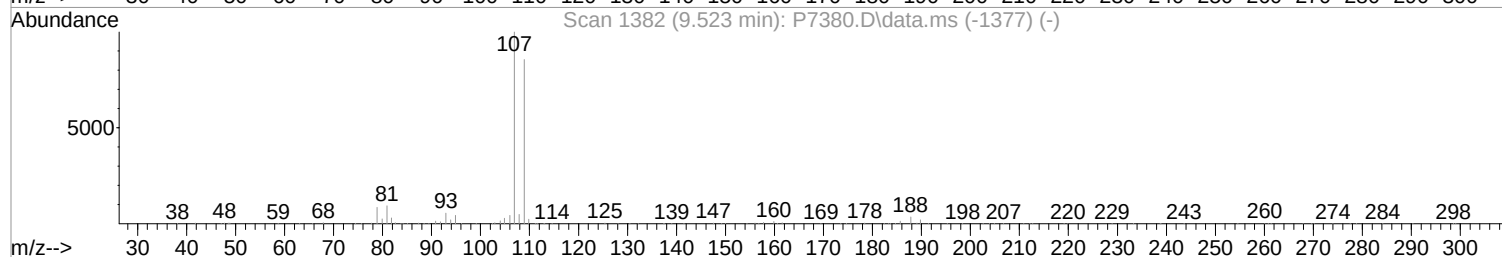
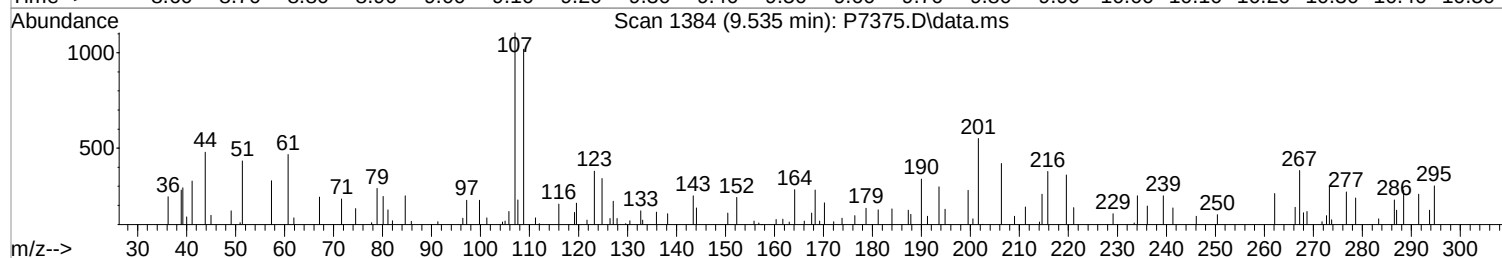
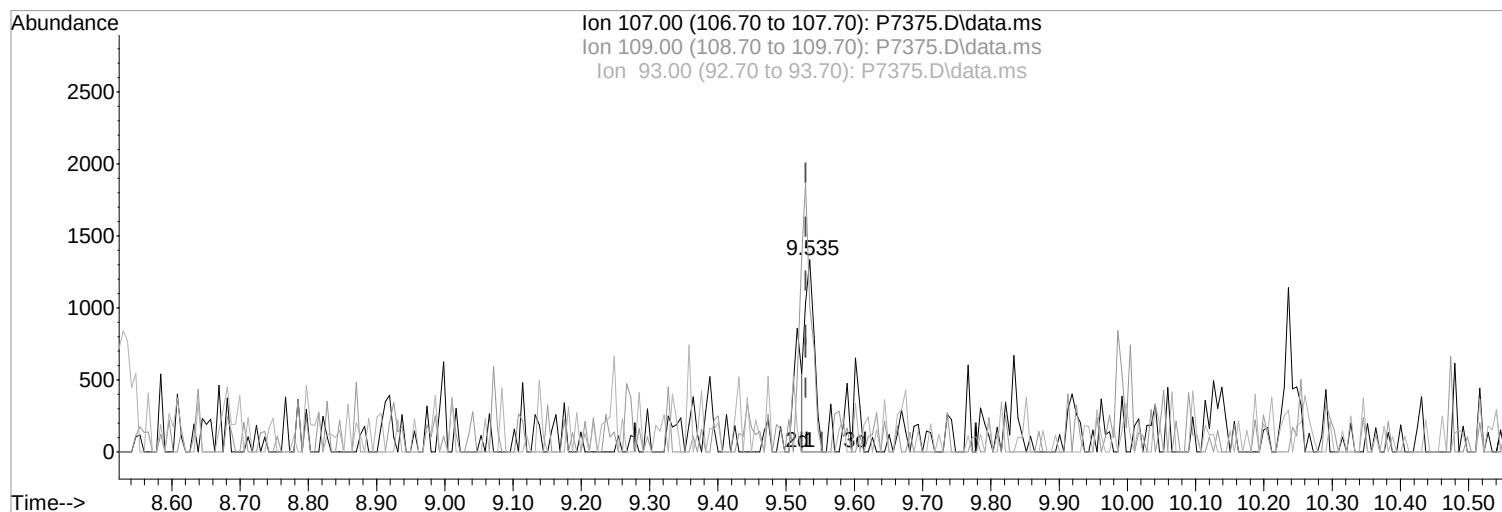
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(77) 1,2-Dibromoethane (P)

Manual Integration:

9.535min (+0.006) 0.30 ppb

Before

response 1253

Ion	Exp%	Act%

01/05/17

107.00	100	100

109.00	85.50	76.37

93.00	5.50	0.00

0.00	0.00	0.00

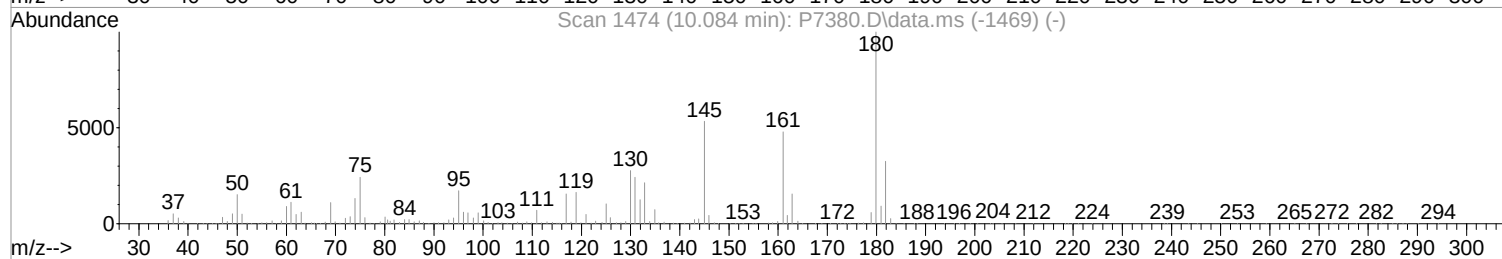
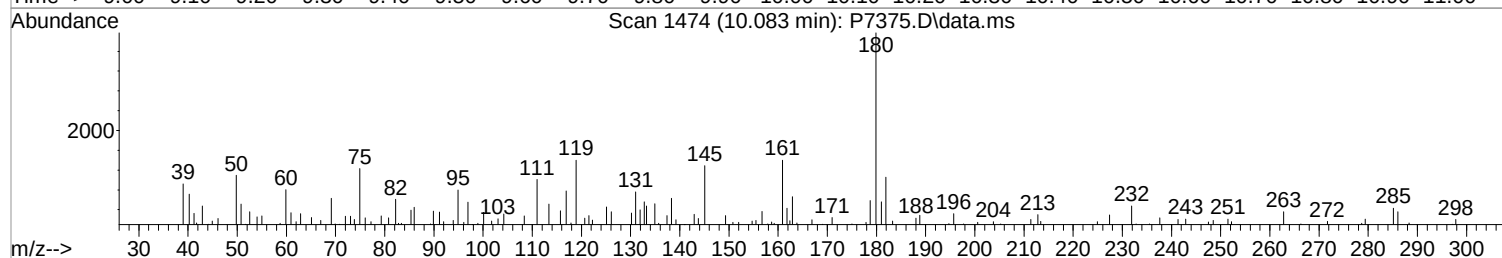
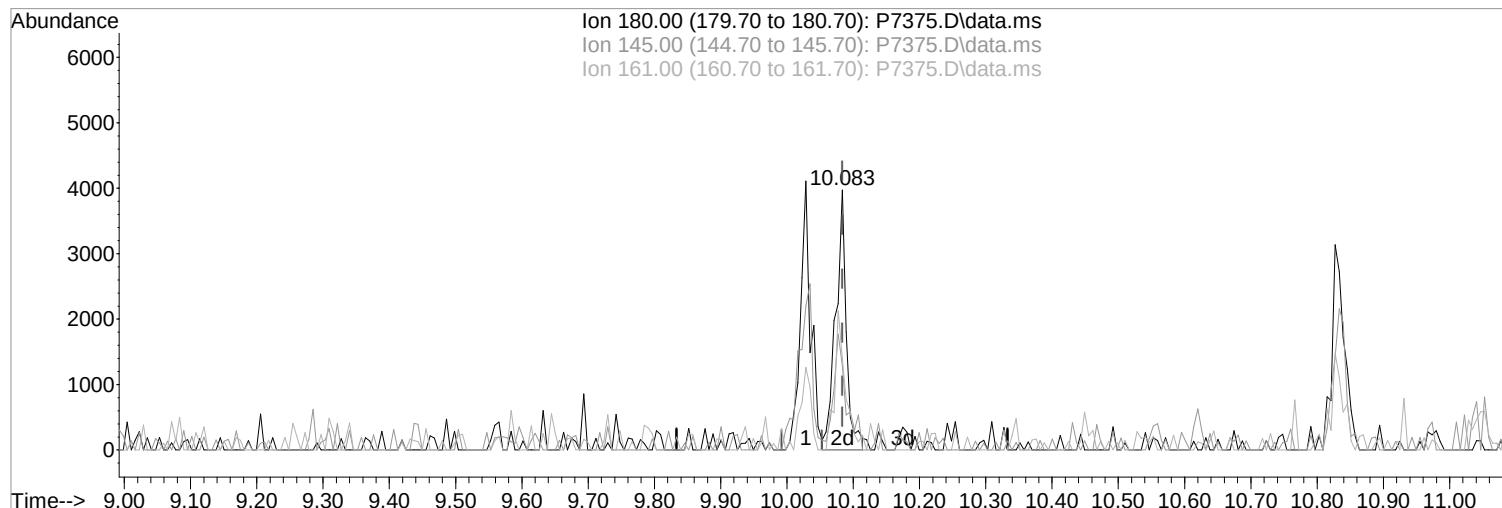
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(80) 4-CBTF

10.083min (+0.000) 0.51 ppb m

response 4477

Ion	Exp%	Act%
180.00	100	100
145.00	53.40	32.40#
161.00	47.80	35.19
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

01/05/17

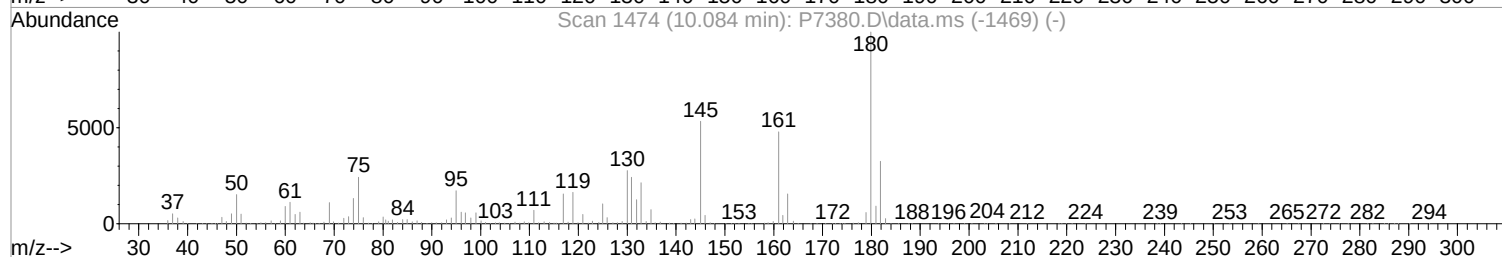
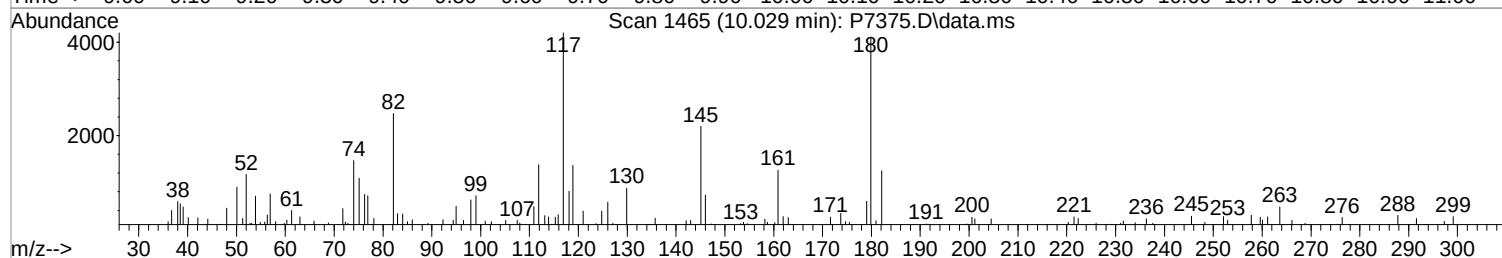
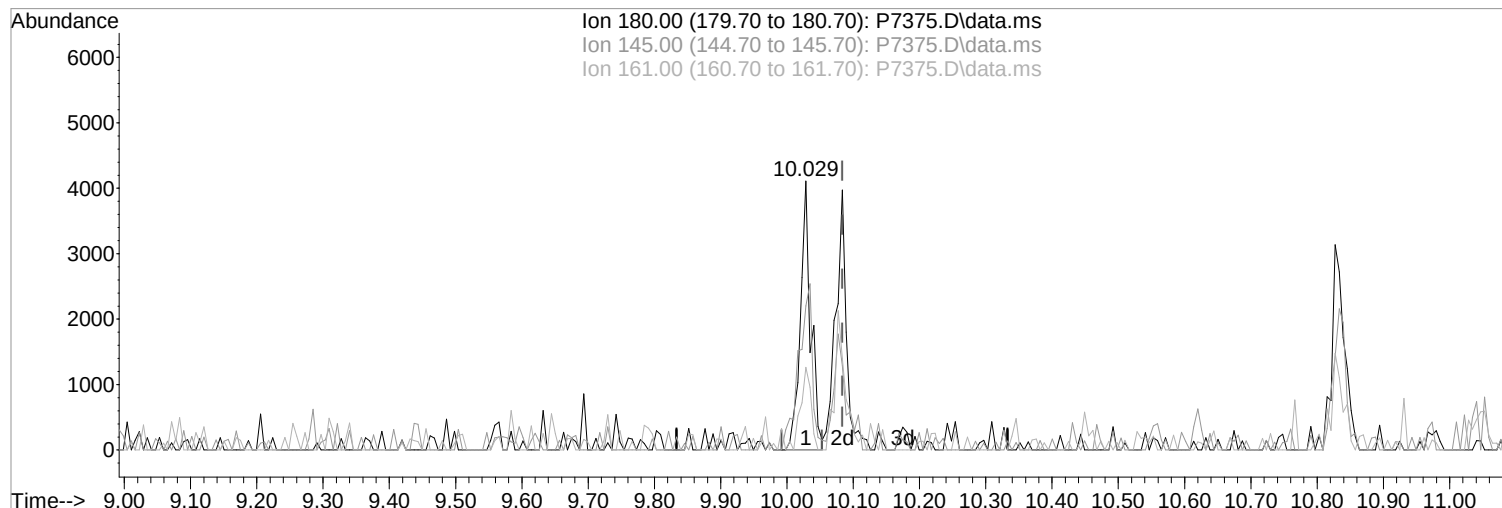
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(80) 4-CBTF

Manual Integration:

10.029min (-0.055) 0.52 ppb

Before

response 4525

Ion Exp% Act%

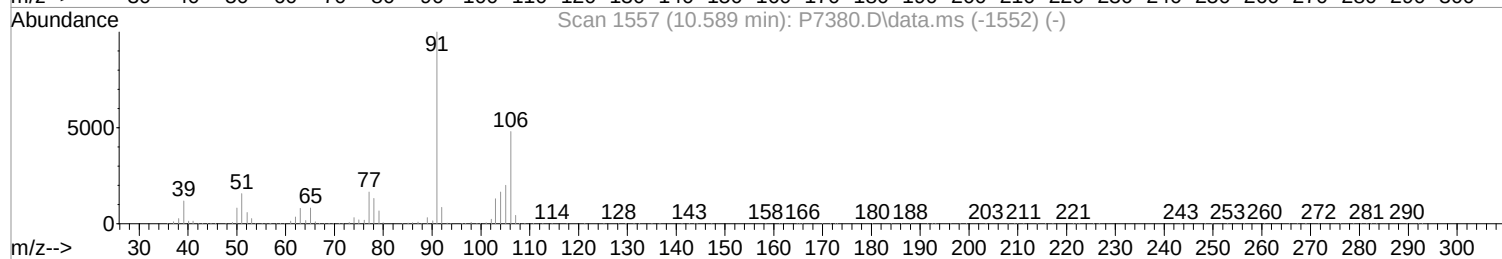
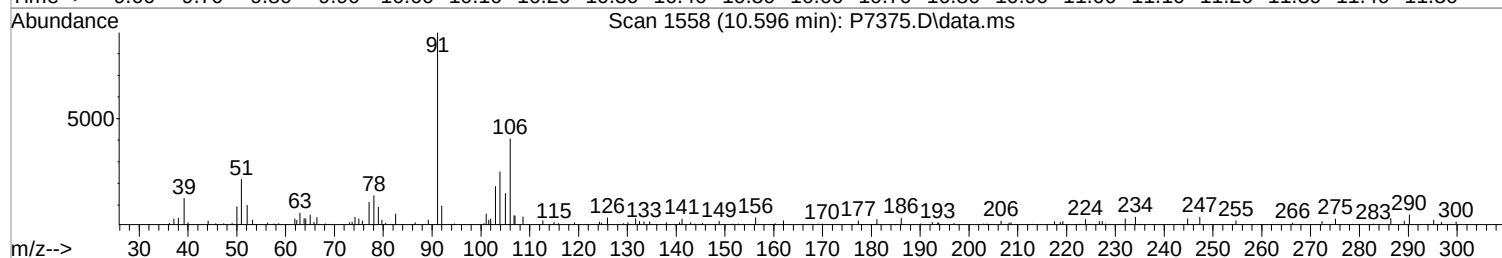
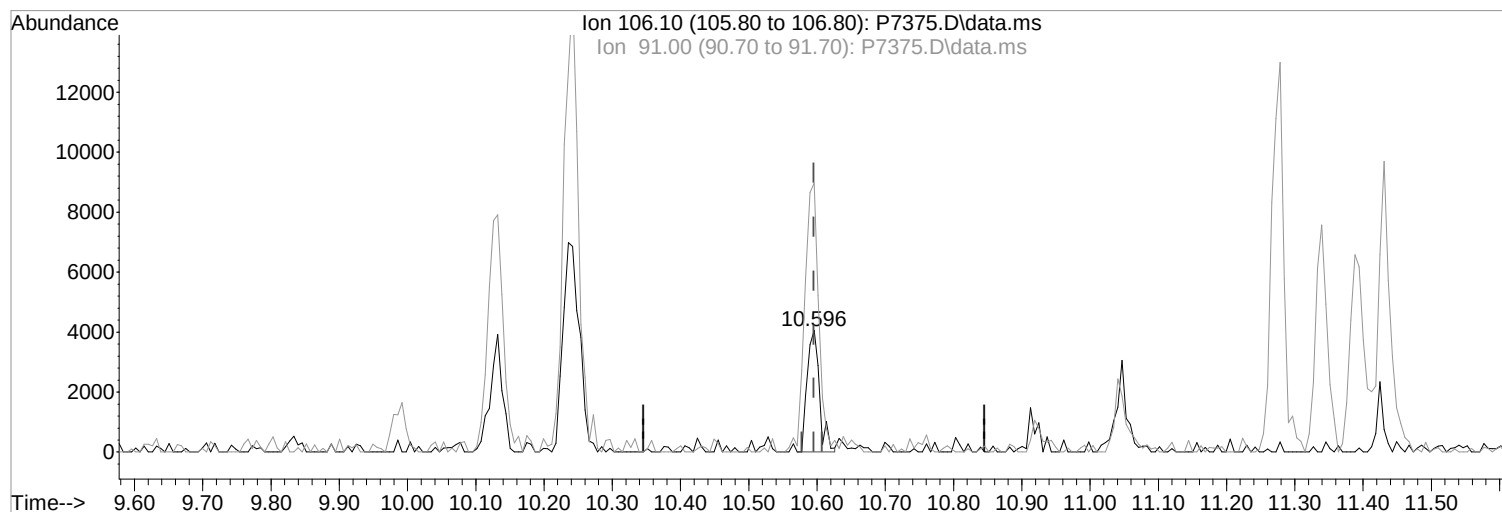
01/05/17

180.00	100	100
145.00	53.40	53.55
161.00	47.80	30.75
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(84) o-Xylene (P)

10.596min (+0.000) 0.46 ppb m

response 5099

Ion	Exp%	Act%
106.10	100	100
91.00	208.20	220.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

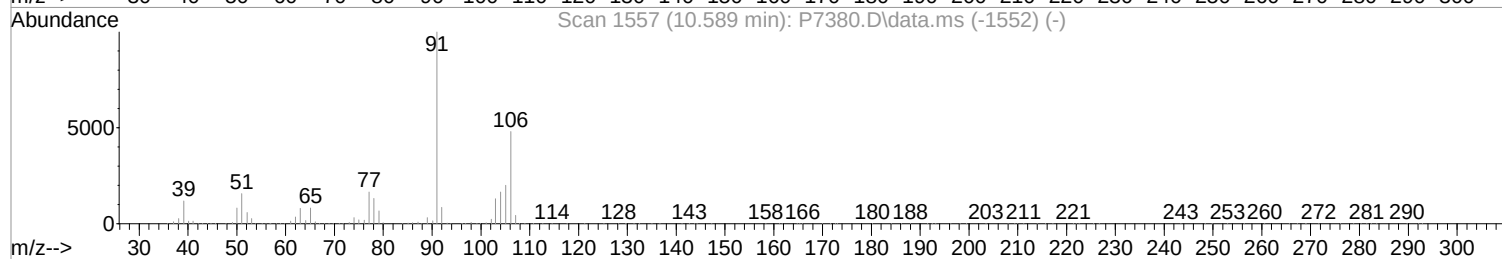
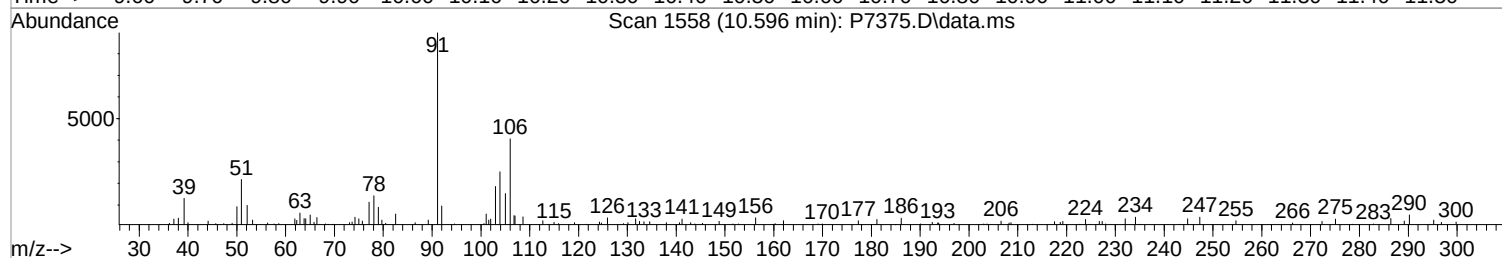
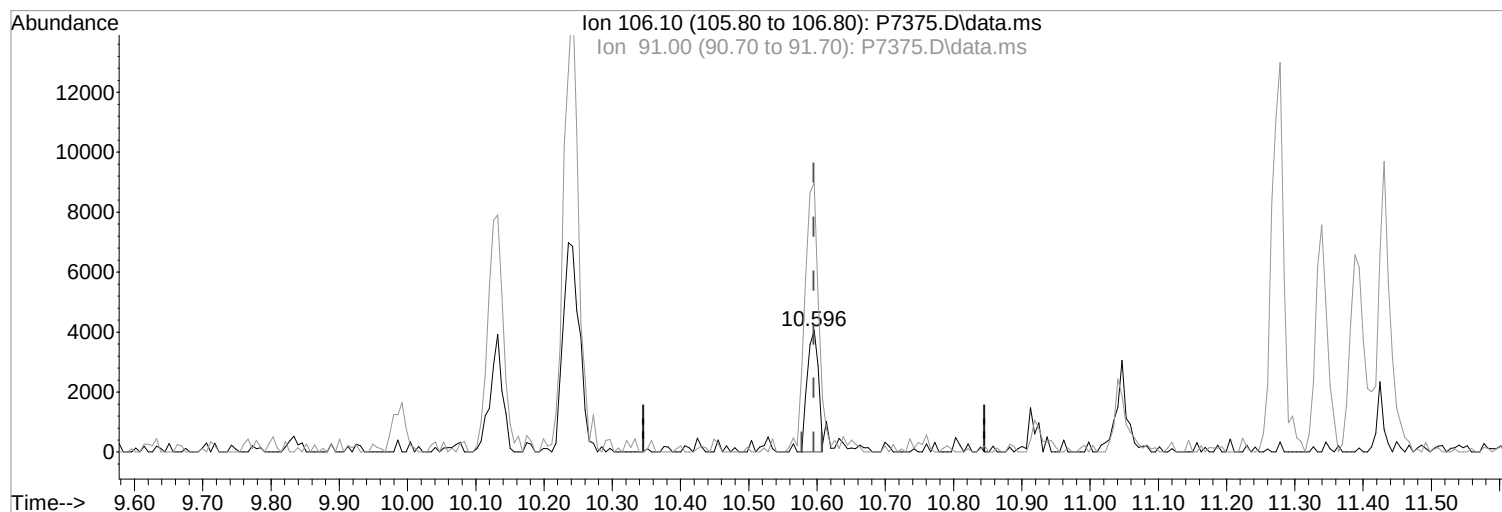
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(84) o-Xylene (P)

Manual Integration:

10.596min (+0.000) 0.42 ppb

Before

response 4631

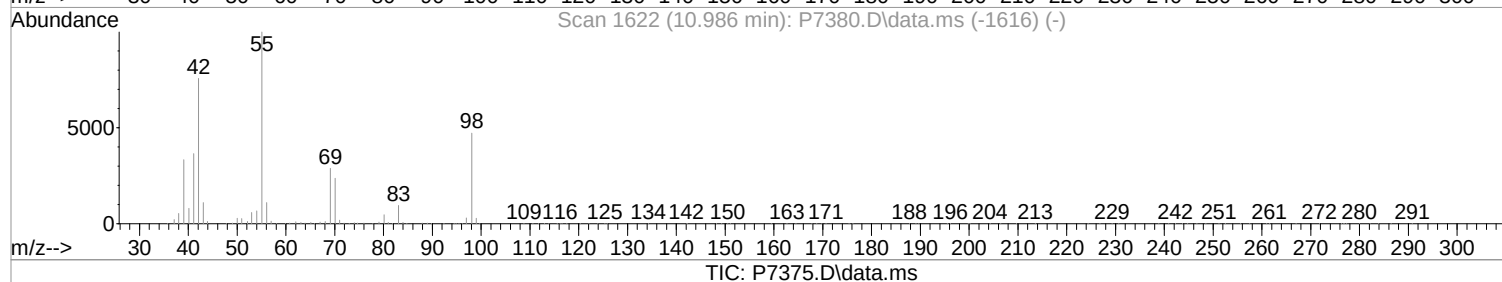
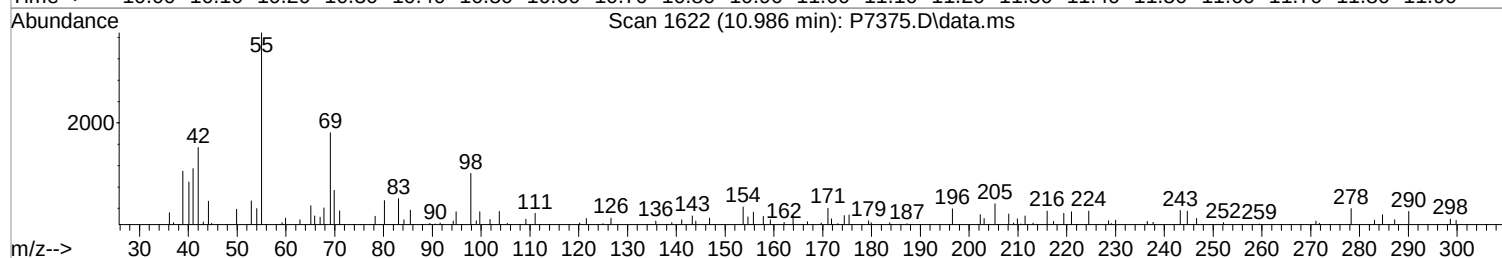
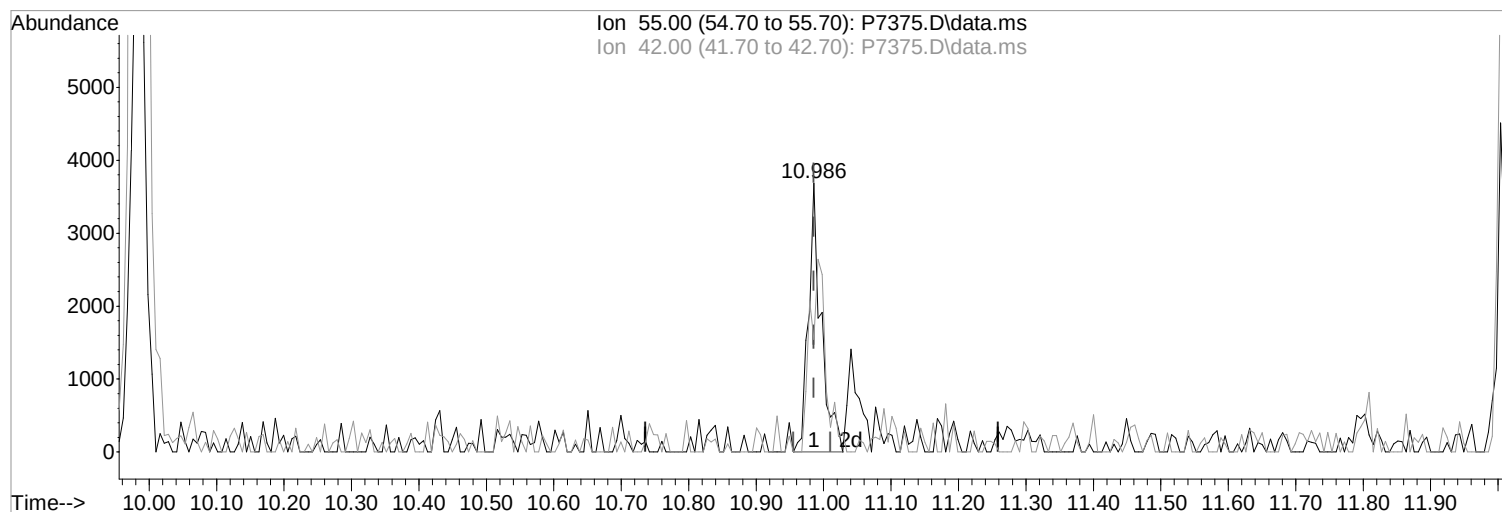
Ion	Exp%	Act%
106.10	100	100
91.00	208.20	196.39
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(90) Cyclohexanone

Manual Integration:

10.986min (+0.000) 10.52 ppb m

After

response 4832

Split Peak

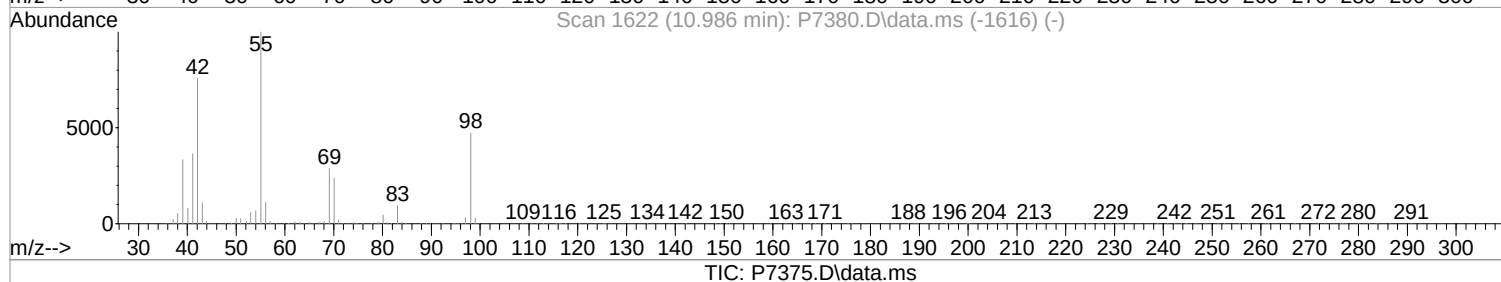
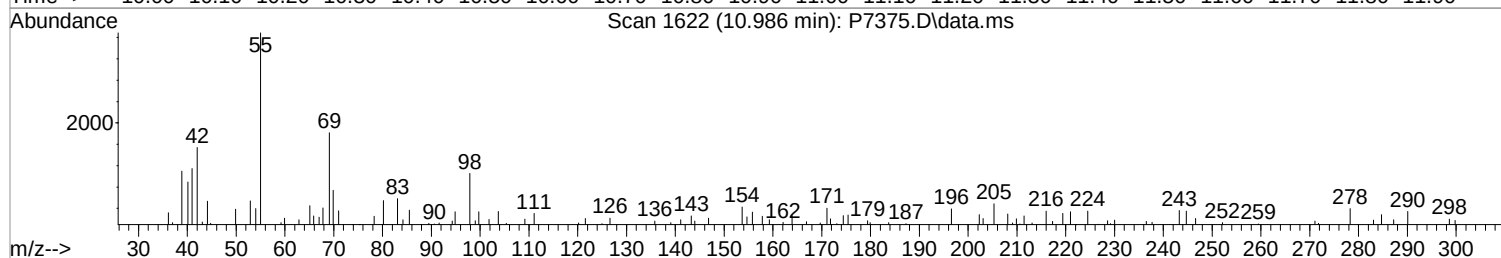
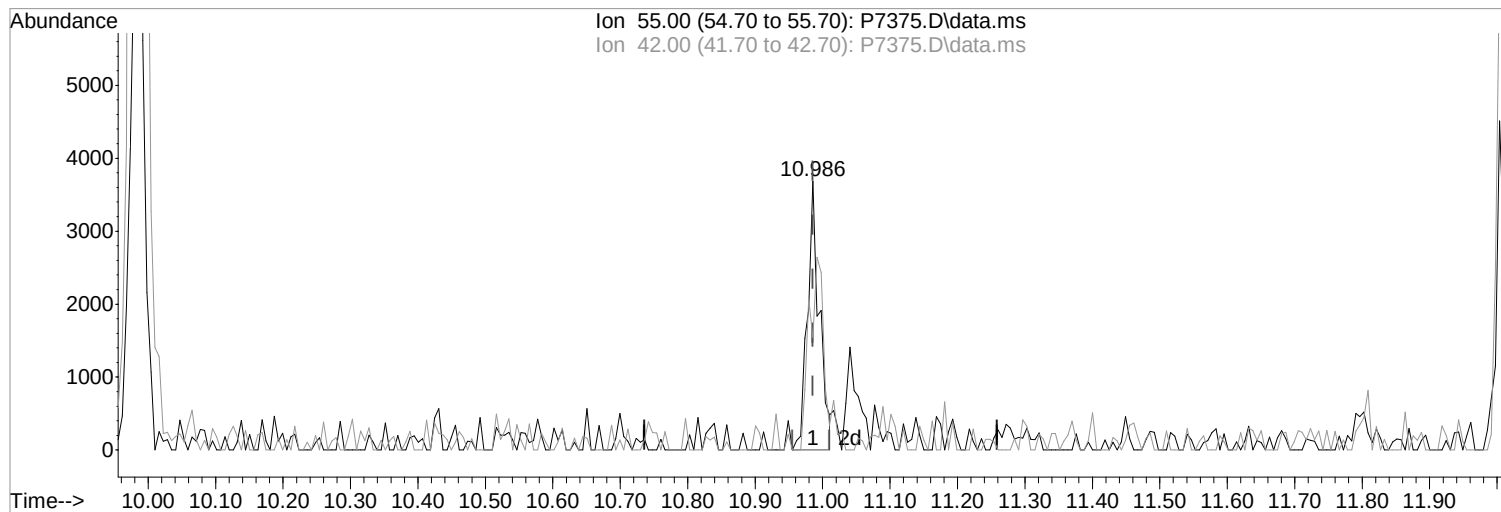
Ion	Exp%	Act%
55.00	100	100
42.00	75.70	41.76#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(90) Cyclohexanone

Manual Integration:

10.986min (+0.000) 9.83 ppb

Before

response 4517

Ion	Exp%	Act%
55.00	100	100
42.00	75.70	41.76#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

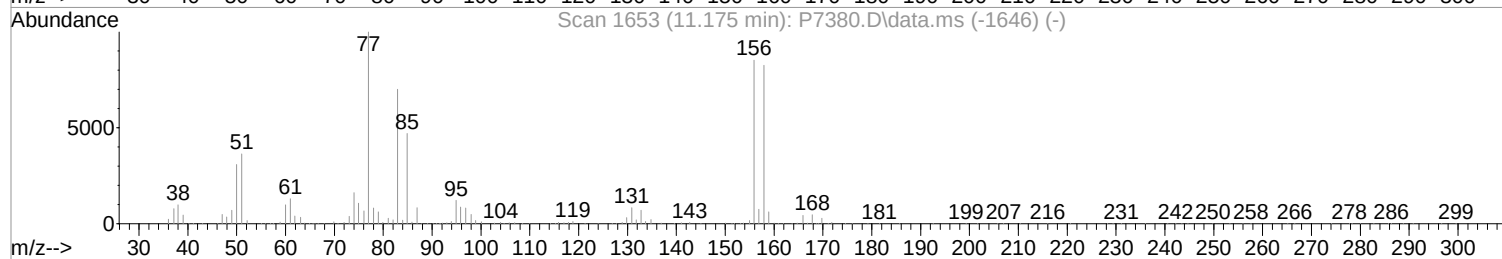
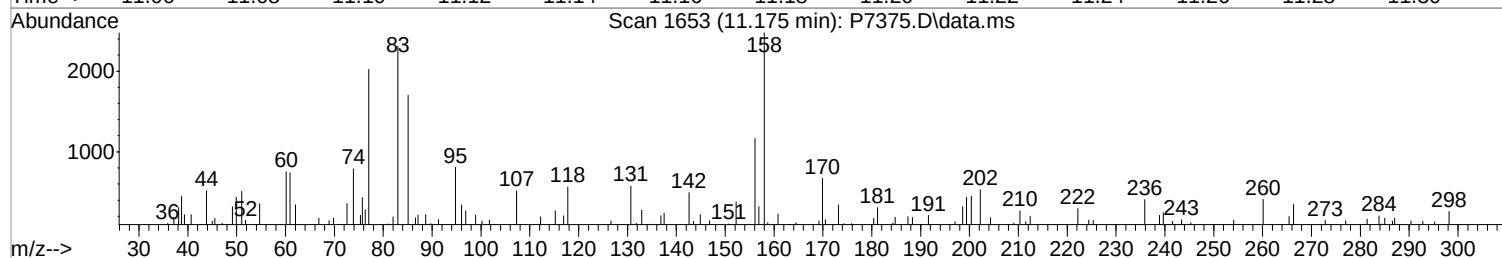
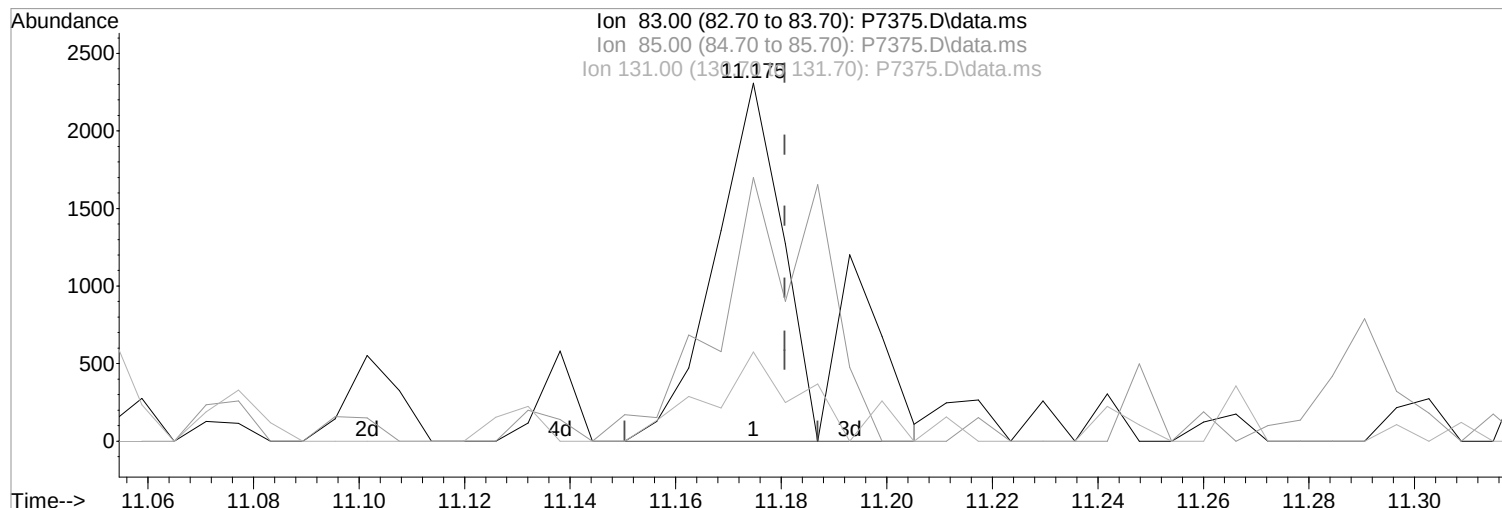
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(92) 1,1,2,2-Tetrachloroethane (P)

11.175min (-0.006) 0.55 ppb m

response 2752

Ion	Exp%	Act%
83.00	100	100
85.00	67.20	73.62
131.00	11.70	24.86
0.00	0.00	0.00

Manual Integration:

After

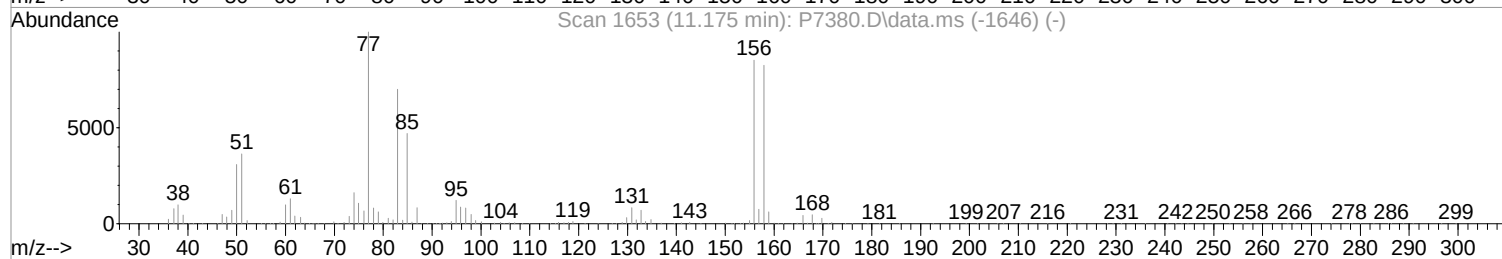
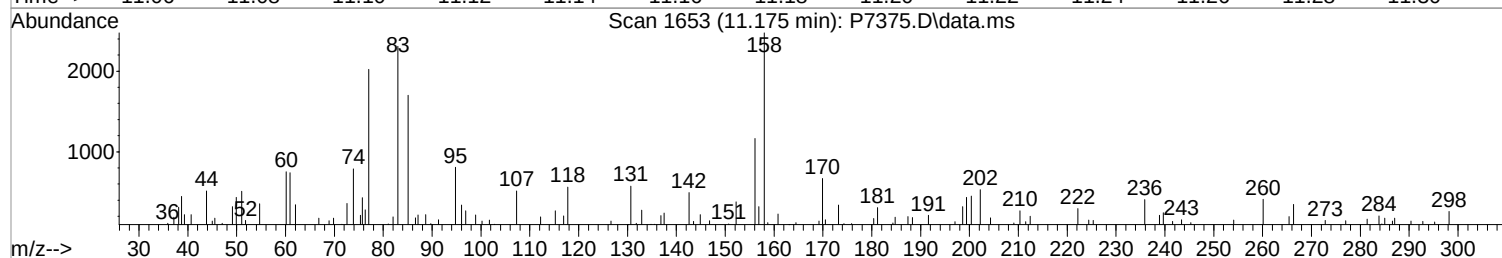
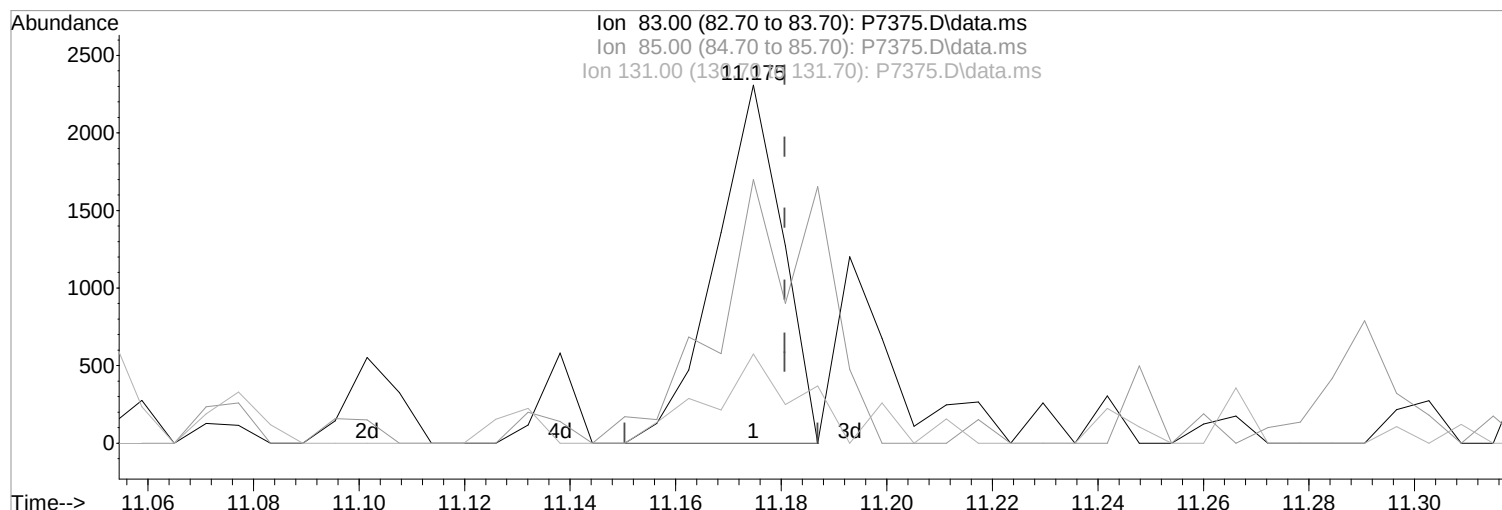
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(92) 1,1,2,2-Tetrachloroethane (P)

Manual Integration:

11.175min (-0.006) 0.41 ppb

Before

response 2025

Ion	Exp%	Act%
83.00	100	100
85.00	67.20	73.62
131.00	11.70	24.86
0.00	0.00	0.00

01/05/17

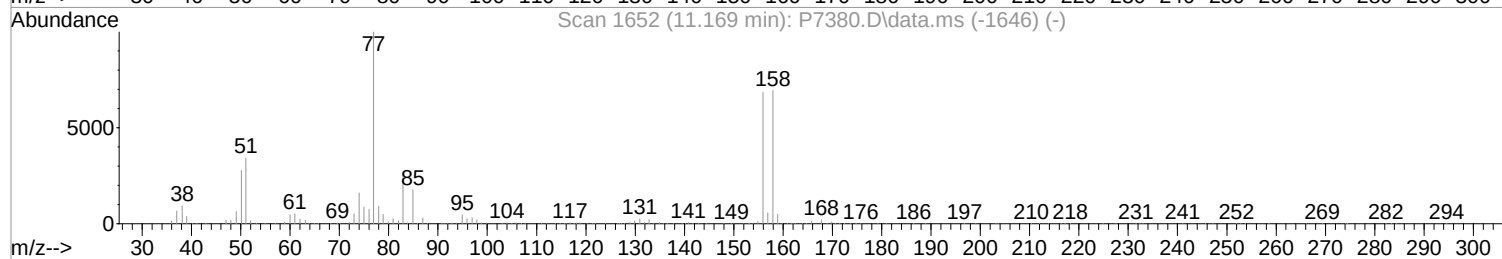
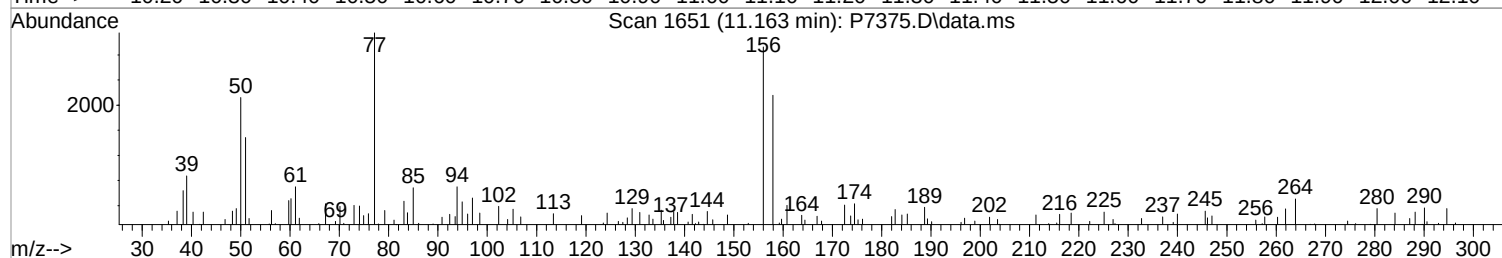
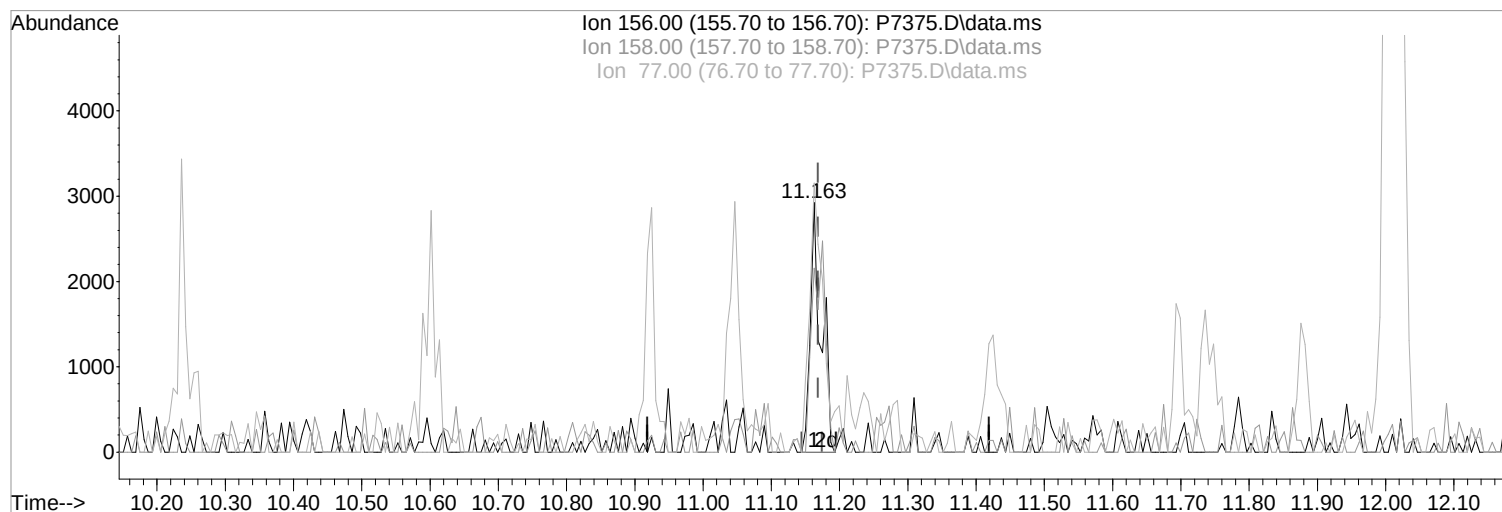
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(93) Bromobenzene

Manual Integration:

11.163min (-0.006) 0.46 ppb m

After

response 3228

Split Peak

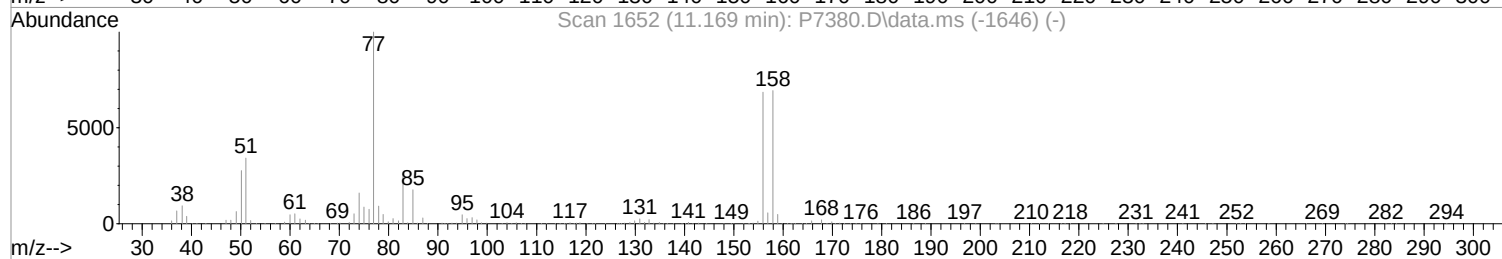
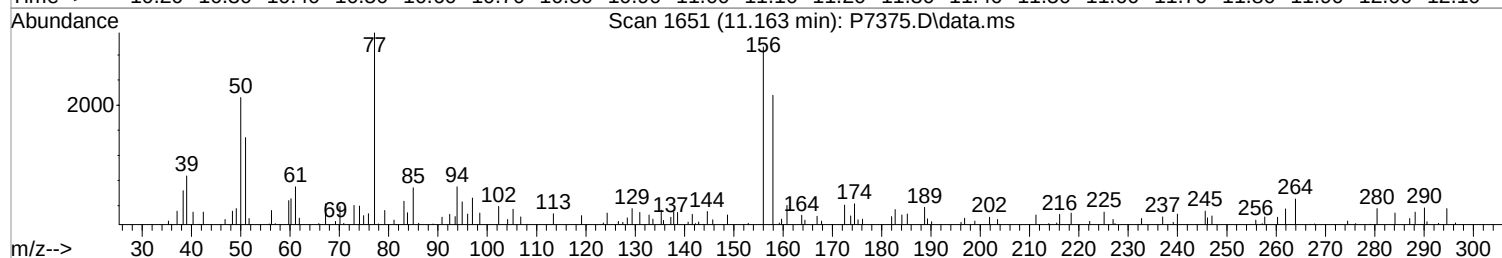
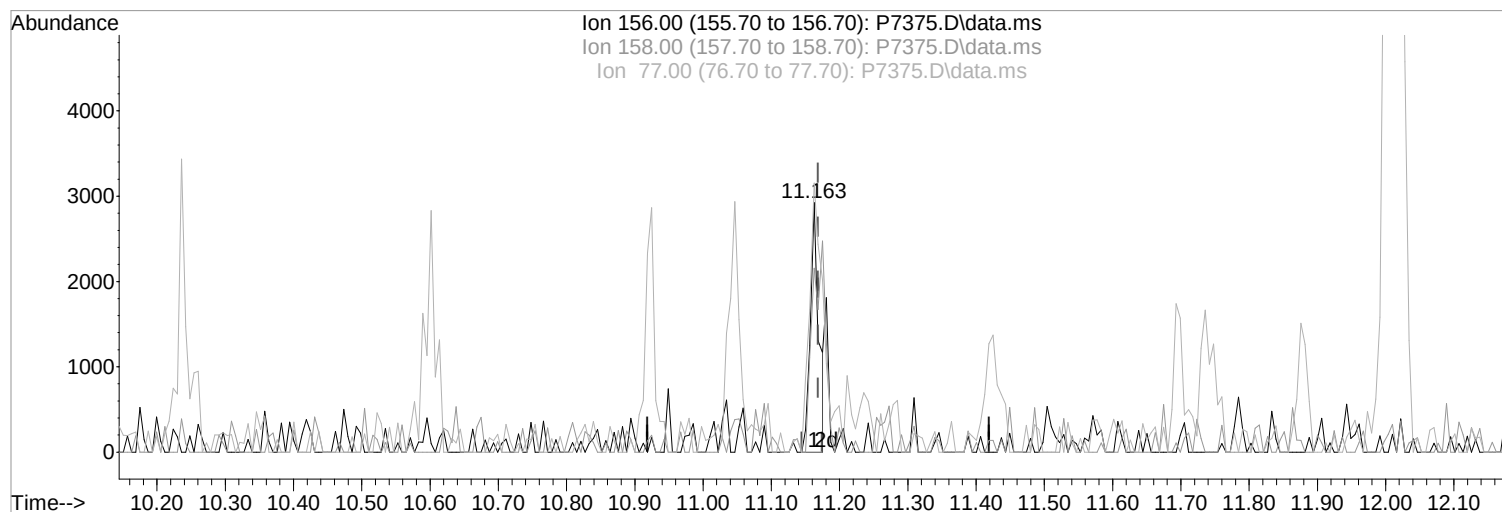
Ion	Exp%	Act%
156.00	100	100
158.00	101.20	73.72#
77.00	146.10	107.79#
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7375.D\data.ms

(93) Bromobenzene

Manual Integration:

11.163min (-0.006) 0.36 ppb

Before

response 2525

Ion	Exp%	Act%

01/05/17

156.00	100	100

158.00	101.20	73.72#

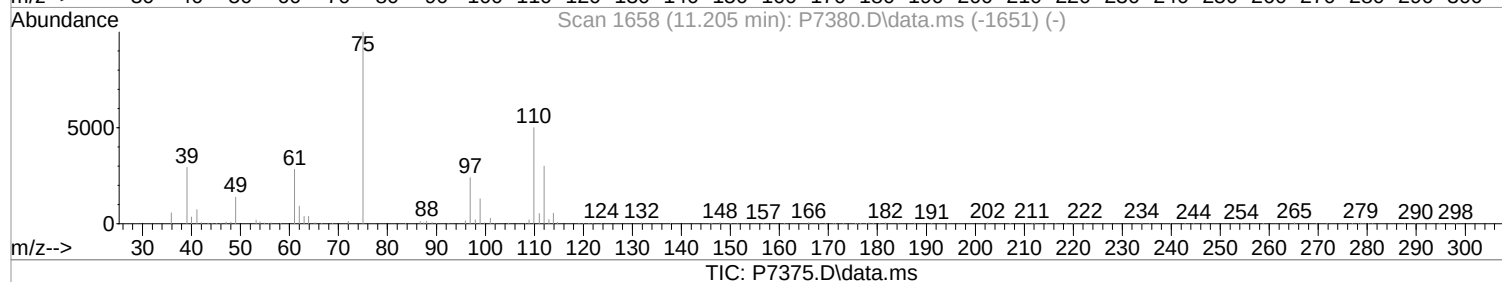
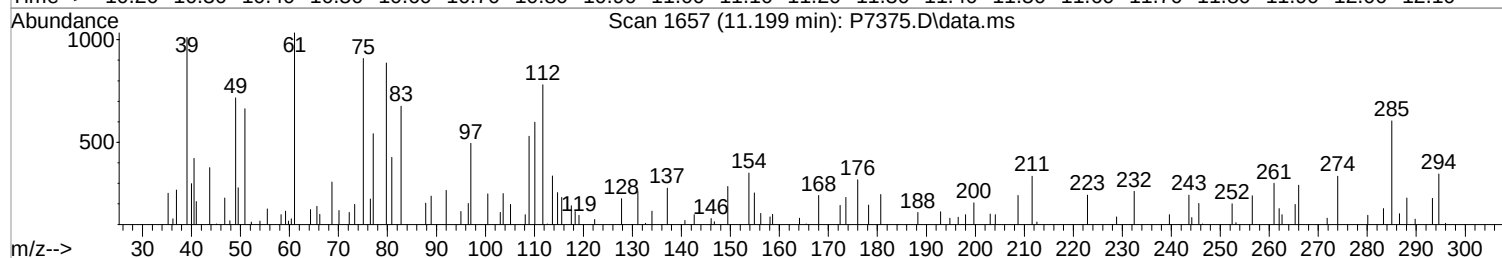
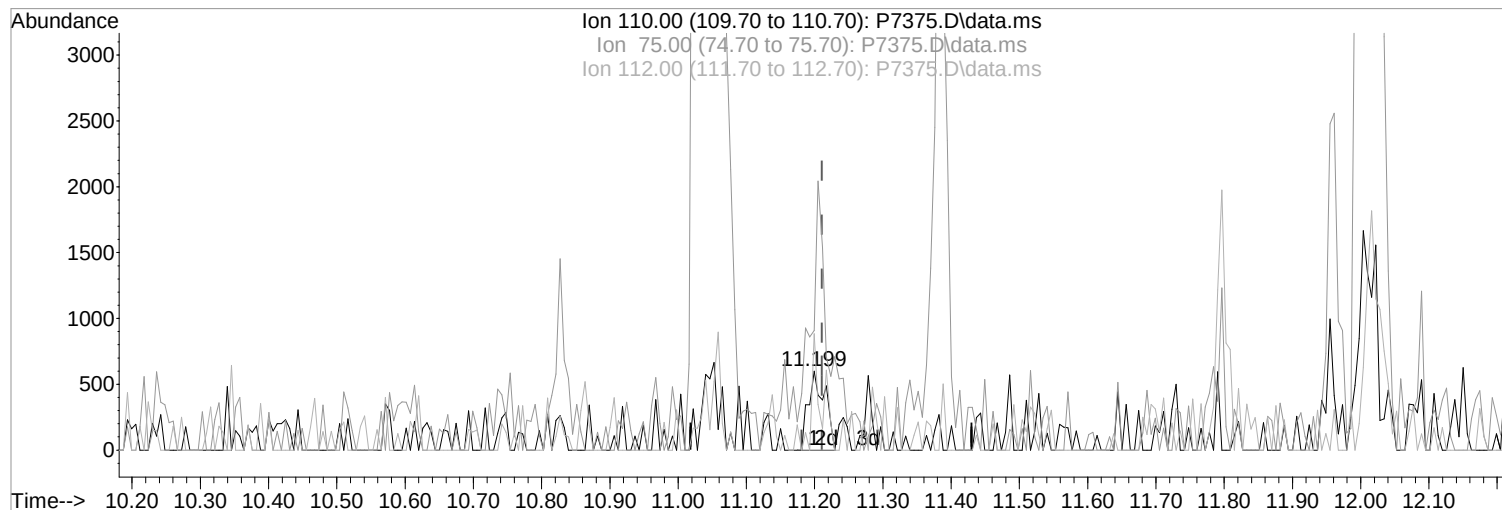
77.00	146.10	107.79#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(94) 1,2,3-Trichloropropane

Manual Integration:

11.199min (-0.012) 0.64 ppb m

After

response 1016

Split Peak

Ion	Exp%	Act%
110.00	100	100
75.00	257.80	151.59#
112.00	59.90	130.22#
0.00	0.00	0.00

01/05/17

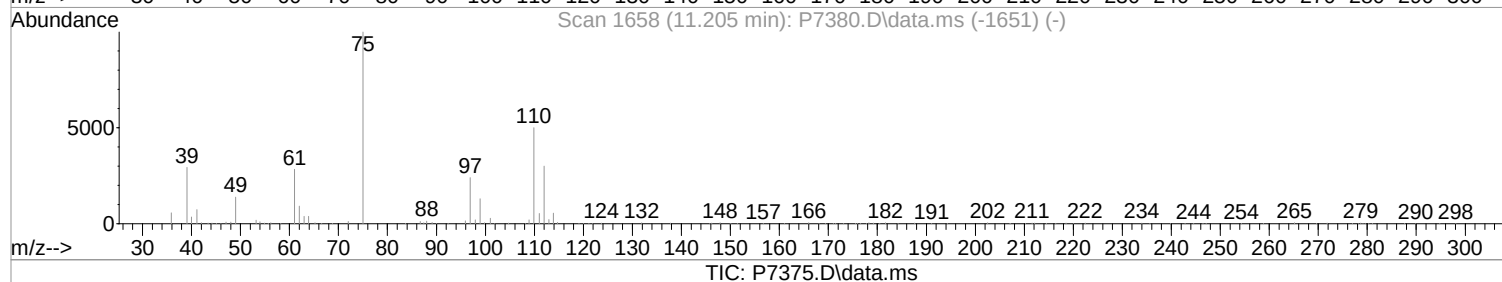
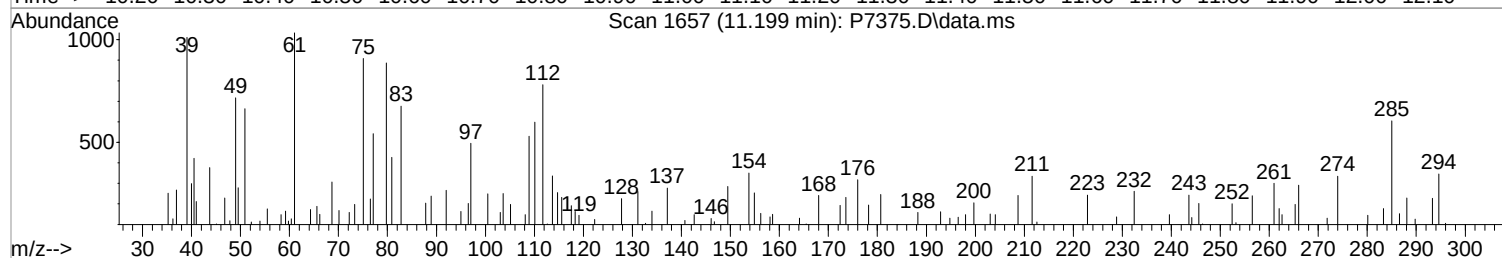
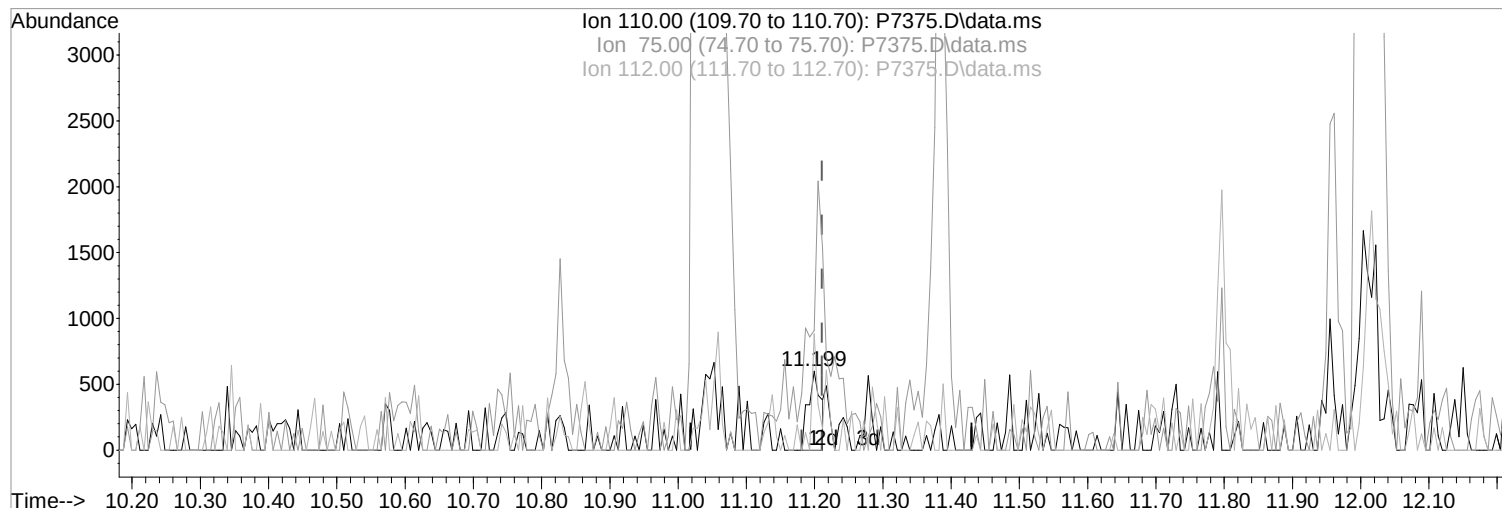
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:57:59 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(94) 1,2,3-Trichloropropane

Manual Integration:

11.199min (-0.012) 0.48 ppb

Before

response 762

Ion	Exp%	Act%
110.00	100	100
75.00	257.80	151.59#
112.00	59.90	147.41#
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7375.D
 Acq On : 4 Jan 2017 1:23 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:09:49 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	772583	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1235919	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1197822	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	638887	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.590	113	354133	53.10	ppb	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	106.20%
48) surr1,1,2-dichloroetha...	6.090	65	402191	54.32	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	108.64%
65) SURR3,Toluene-d8	8.523	98	1519556	55.11	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.22%
70) SURR2,BFB	11.047	95	567532	53.11	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	106.22%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	5216m	0.55	ppb	
3) Chloromethane	1.347	50	4757	0.56	ppb	89
4) Vinyl Chloride	1.427	62	2934	0.39	ppb	98
5) Bromomethane	1.683	94	1646m	0.44	ppb	
6) Chloroethane	1.762	64	1787	0.45	ppb	97
7) Freon 21	1.920	67	4937	0.53	ppb	78
8) Trichlorofluoromethane	1.969	101	4487	0.54	ppb	85
9) Diethyl Ether	2.219	59	2082	0.59	ppb	# 68
10) Freon 123a	2.231	67	3192	0.54	ppb	# 43
11) Freon 123	2.286	83	3190	0.47	ppb	94
12) Acrolein	2.335	56	1586m	2.71	ppb	
13) 1,1-Dicethene	2.433	96	3397	0.62	ppb	# 59
14) Freon 113	2.439	101	3069	0.52	ppb	# 67
16) 2-Propanol	2.640	45	2729m	15.15	ppb	
17) Iodomethane	2.561	142	4797m	0.60	ppb	
18) Carbon Disulfide	2.634	76	7779	0.47	ppb	98
20) Allyl Chloride	2.786	76	2029	0.62	ppb	# 35
22) Methylene Chloride	2.920	84	3649m	0.61	ppb	
23) TBA	3.079	59	2535	8.15	ppb	62
24) Acrylonitrile	3.213	53	3000m	2.23	ppb	
25) Methyl-t-Butyl Ether	3.256	73	7610	0.53	ppb	83
26) trans-1,2-Dichloroethene	3.237	96	3799m	0.60	ppb	
28) 1,1-Dicethane	3.792	63	5820m	0.55	ppb	
30) DIPE	3.938	45	10701	0.54	ppb	84
31) 2-Chloro-1,3-Butadiene	3.932	53	5032	0.56	ppb	91
32) ETBE	4.511	59	7719m	0.46	ppb	
33) 2,2-Dichloropropane	4.694	77	3907m	0.47	ppb	
34) cis-1,2-Dichloroethene	4.694	96	4064m	0.61	ppb	
36) Propionitrile	4.853	54	1593	3.11	ppb	100
37) Bromochloromethane	5.127	130	1828m	0.50	ppb	
40) Chloroform	5.310	83	5115m	0.50	ppb	
41) 1,1,1-Trichloroethane	5.597	97	5498m	0.61	ppb	
42) TAME	6.389	73	7344	0.50	ppb	82
44) Cyclohexane	5.657	41	4660m	0.71	ppb	
46) Carbontetrachloride	5.859	121	1233m	0.54	ppb	
47) 1,1-Dichloropropene	5.871	75	4601	0.56	ppb	80
49) Benzene	6.163	78	9921m	0.45	ppb	
50) 1,2-Dichloroethane	6.206	62	4998	0.65	ppb	# 68
52) n-Heptane	6.633	43	3627	0.49	ppb	84

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7375.D
 Acq On : 4 Jan 2017 1:23 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:09:49 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 1-Butanol	7.121	56	1578	20.46	ppb	88
54) Trichloroethene	7.078	130	2961	0.46	ppb	# 78
55) Methylcyclohexane	7.310	55	4526m	0.60	ppb	
56) 1,2-Dicloropropane	7.346	63	3382	0.55	ppb	# 32
57) Dibromomethane	7.474	93	1480m	0.47	ppb	
59) Methyl Methacrylate	7.578	69	2032m	0.68	ppb	
60) Bromodichloromethane	7.706	83	4809	0.63	ppb	91
62) 2-Chloroethylvinyl Ether	8.114	63	1609m	0.54	ppb	
63) cis-1,3-Dichloropropene	8.236	75	3815m	0.43	ppb	
66) Toluene	8.596	91	11813	0.46	ppb	94
67) trans-1,3-Dichloropropene	8.864	75	2828m	0.39	ppb	
68) Ethyl Methacrylate	9.004	69	2791m	0.49	ppb	
69) 1,1,2-Trichloroethane	9.047	97	1929	0.44	ppb	89
72) Tetrachloroethene	9.181	164	3049	0.59	ppb	# 66
74) 1,3-Dichloropropane	9.206	76	4307	0.53	ppb	96
75) Dibromochloromethane	9.437	129	2370m	0.51	ppb	
76) N-Butyl Acetate	9.480	43	3193	0.49	ppb	93
77) 1,2-Dibromoethane	9.535	107	1941m	0.46	ppb	
78) Chlorobenzene	10.010	112	9565	0.57	ppb	80
79) 3-CBTF	10.029	180	4525	0.48	ppb	87
80) 4-CBTF	10.083	180	4477m	0.51	ppb	
81) 1,1,1,2-Tetrachloroethane	10.096	131	2523	0.45	ppb	91
82) Ethylbenzene	10.132	106	4864	0.52	ppb	# 50
83) (m+p)Xylene	10.236	106	11807	1.07	ppb	# 90
84) o-Xylene	10.596	106	5099m	0.46	ppb	
85) Styrene	10.608	104	9144	0.50	ppb	86
87) Bromoform	10.754	173	984	0.43	ppb	# 28
88) 2-CBTF	10.827	180	4174	0.48	ppb	# 75
89) Isopropylbenzene	10.925	105	12972	0.50	ppb	78
90) Cyclohexanone	10.986	55	4832m	10.52	ppb	
91) trans-1,4-Dichloro-2-B...	11.223	53	1082	0.78	ppb	80
92) 1,1,2,2-Tetrachloroethane	11.175	83	2752m	0.55	ppb	
93) Bromobenzene	11.163	156	3228m	0.46	ppb	
94) 1,2,3-Trichloropropane	11.199	110	1016m	0.64	ppb	
95) n-Propylbenzene	11.278	91	15414	0.51	ppb	96
96) 2-Chlorotoluene	11.339	91	9119	0.50	ppb	84
97) 3-Chlorotoluene	11.388	91	9852	0.49	ppb	# 91
98) 4-Chlorotoluene	11.431	91	11210	0.53	ppb	94
99) 1,3,5-Trimethylbenzene	11.425	105	10493	0.46	ppb	88
100) tert-Butylbenzene	11.699	119	7467	0.40	ppb	97
101) 1,2,4-Trimethylbenzene	11.736	105	10501	0.45	ppb	76
102) 3,4-DCBTF	11.797	214	3697	0.54	ppb	# 80
103) sec-Butylbenzene	11.876	105	13537	0.50	ppb	93
104) p-Isopropyltoluene	11.998	119	10963	0.48	ppb	92
105) 1,3-Dclbenz	11.961	146	7397	0.55	ppb	97
106) 1,4-Dclbenz	12.034	146	7387	0.52	ppb	# 75
107) 2,4-DCBTF	12.083	214	2864	0.46	ppb	89
108) 2,5-DCBTF	12.126	214	2707	0.41	ppb	# 66
109) n-Butylbenzene	12.327	91	9821	0.47	ppb	90
110) 1,2-Dclbenz	12.339	146	6591	0.52	ppb	# 68
112) Trielution Dichlorotol...	13.065	125	14621	1.34	ppb	# 73
113) 1,3,5 Trichlorobenzene	13.126	180	4918	0.51	ppb	# 89
114) Coelution Dichlorotoluene	13.400	125	12503	1.06	ppb	98
115) 1,2,4-Tcbenzene	13.607	180	4826	0.57	ppb	# 81
116) Hexachlorobt	13.753	225	2623	0.68	ppb	# 42
117) Naphthalen	13.796	128	7512	0.48	ppb	87

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7375.D
Acq On : 4 Jan 2017 1:23 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:09:49 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration

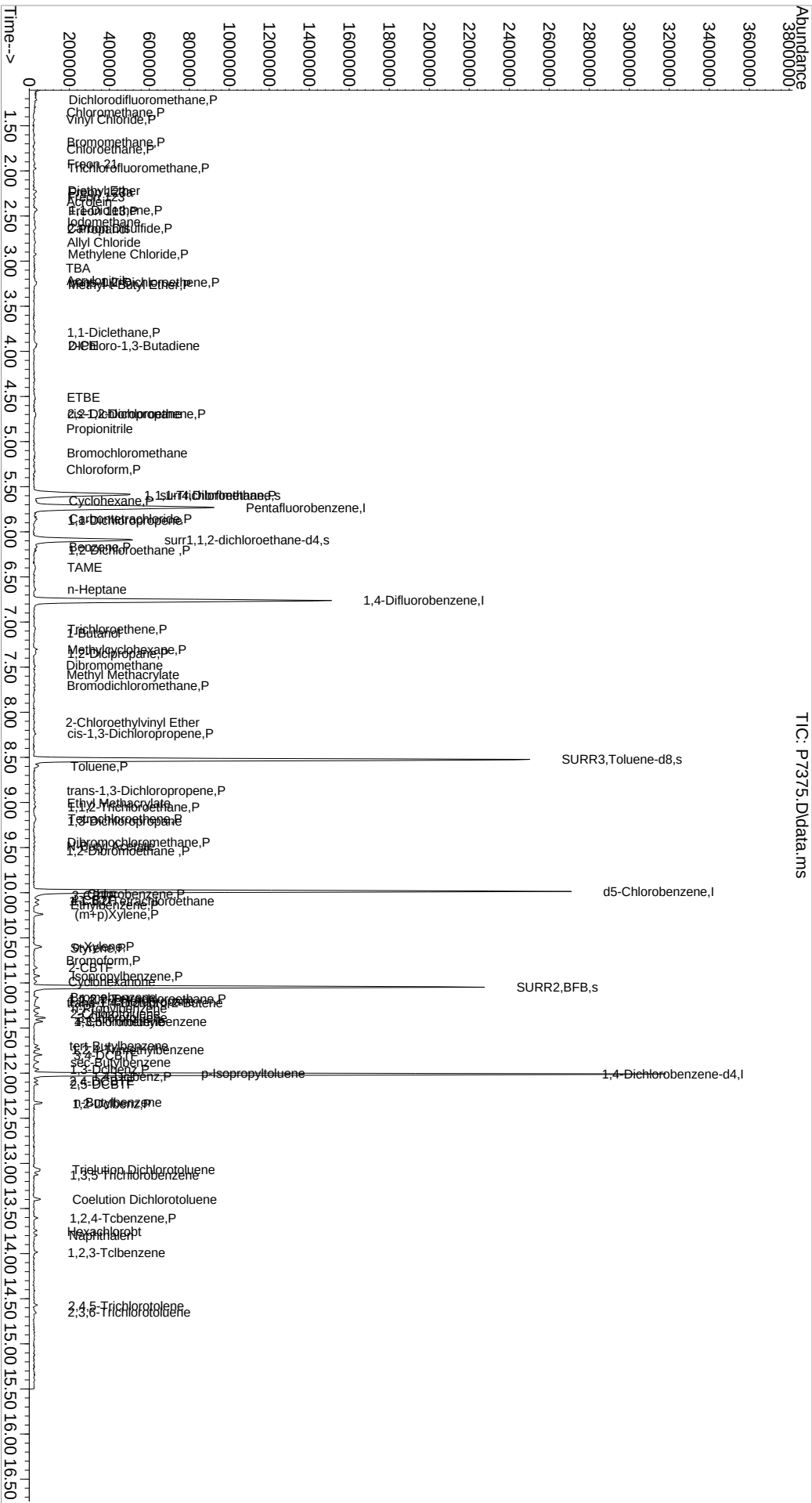
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
118) 1,2,3-Tclbenzene	13.991	180	3475	0.50	ppb	# 65
119) 2,4,5-Trichlorotolene	14.576	159	3202	0.60	ppb	# 49
120) 2,3,6-Trichlorotoluene	14.650	159	2012	0.45	ppb	# 67

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

1st 01/05/17
 2nd 01/05/17
 Data Path : I:\ACQDATA\msvoa12\Data\010417\
 Data File : P7375.D
 Acq On : 4 Jan 2017 1:23 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Disc : 8260/624 WATER ICAL
 Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

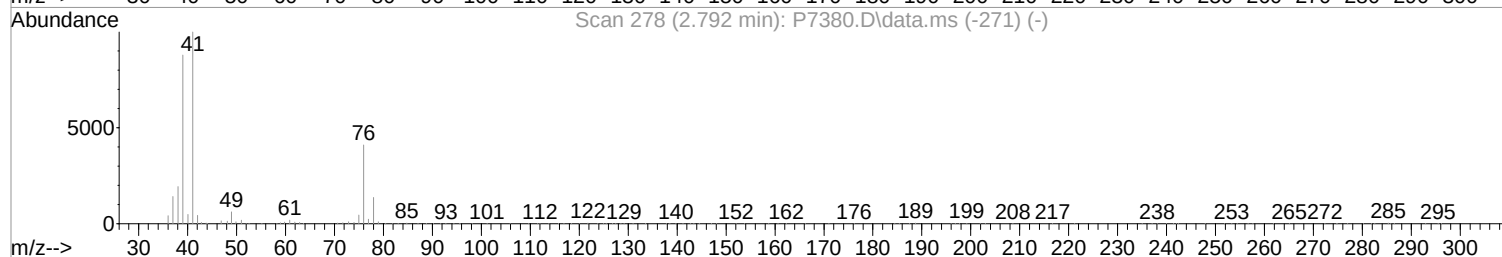
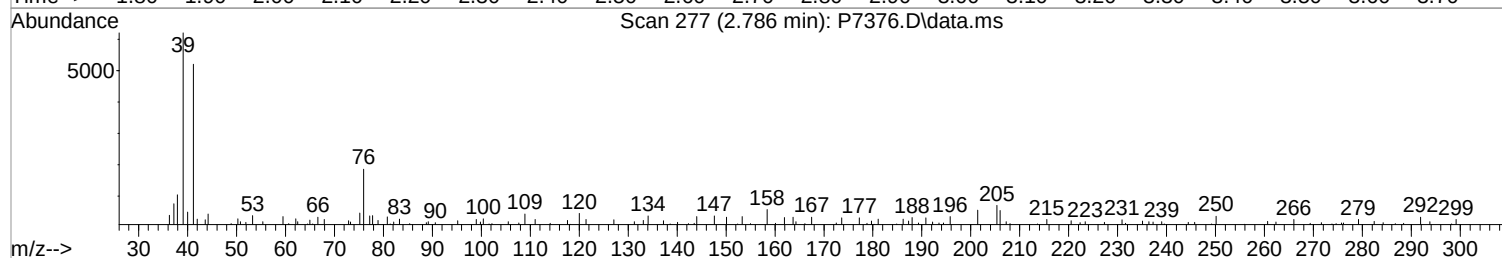
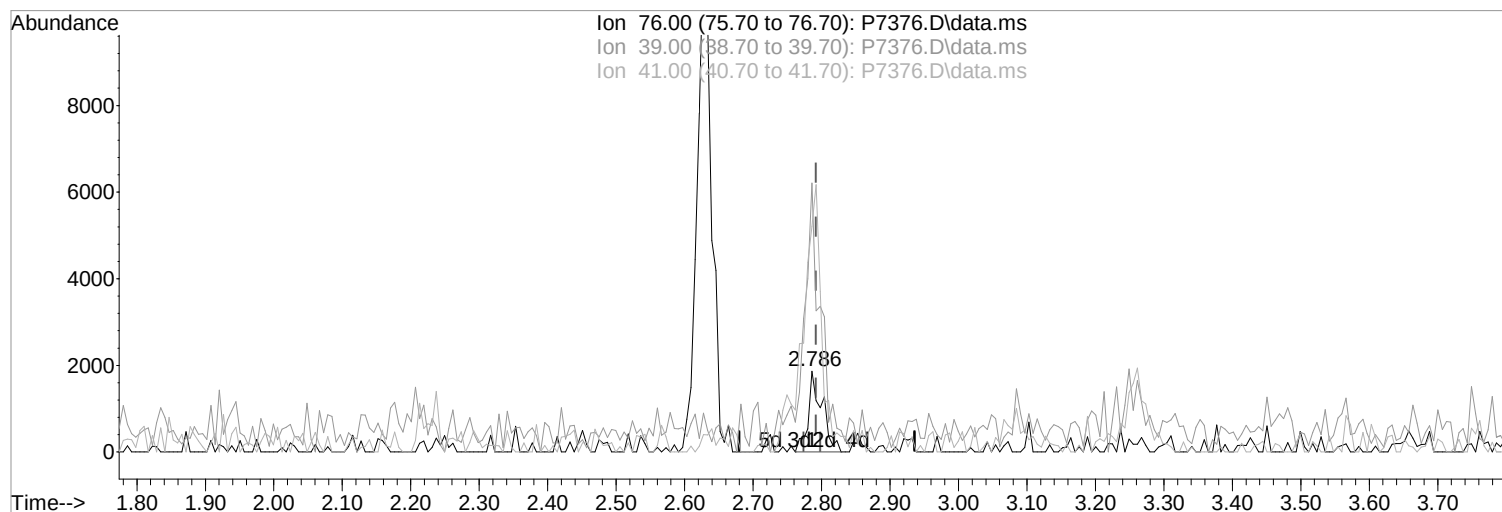
Quant Time: Jan 05 09:09:49 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(20) Allyl Chloride

Manual Integration:

2.786min (-0.006) 0.83 ppb m

After

response 2664

Split Peak

Ion	Exp%	Act%

01/05/17

76.00	100	100

39.00	220.70	333.33#

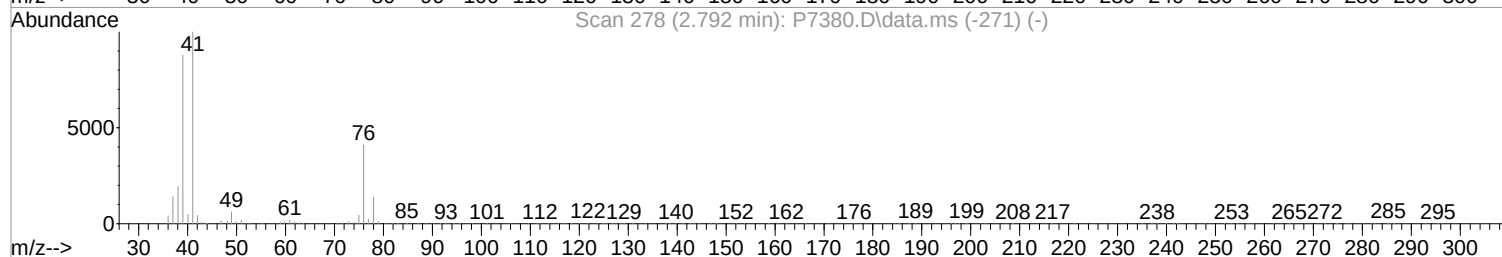
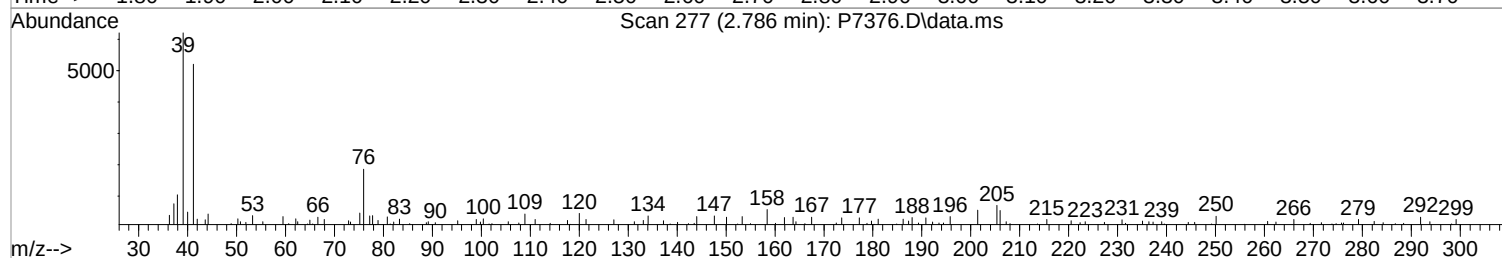
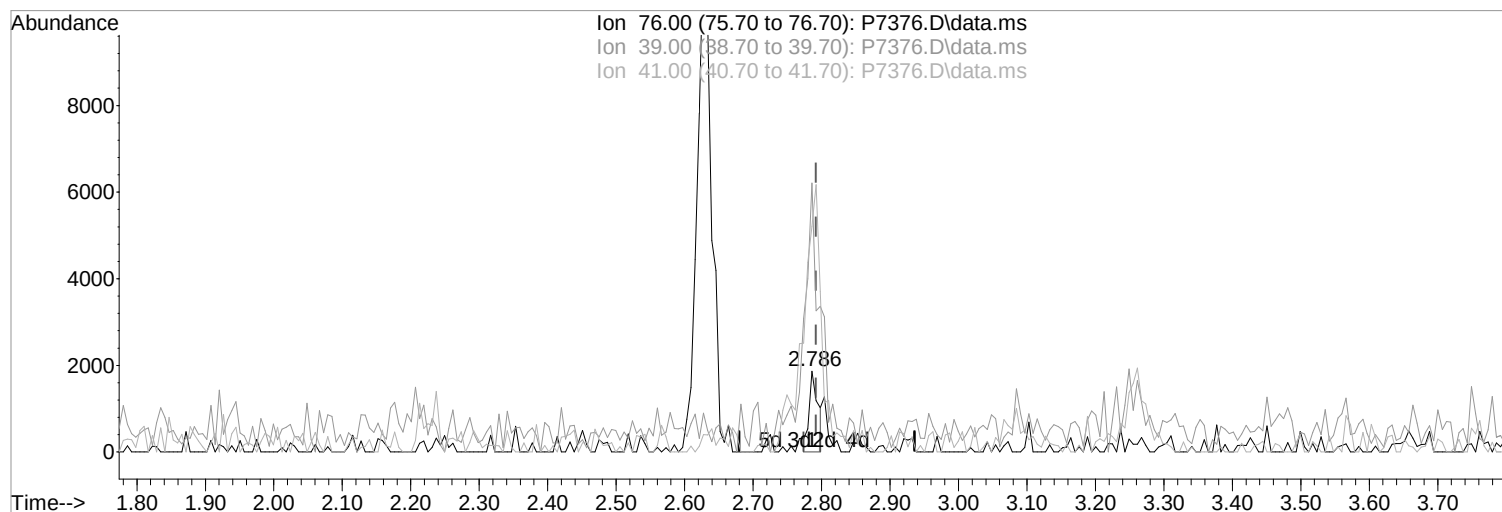
41.00	283.10	279.60

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(20) Allyl Chloride

Manual Integration:

2.786min (-0.006) 0.52 ppb

Before

response 1685

Ion	Exp%	Act%

01/05/17

76.00	100	100

39.00	220.70	333.33#

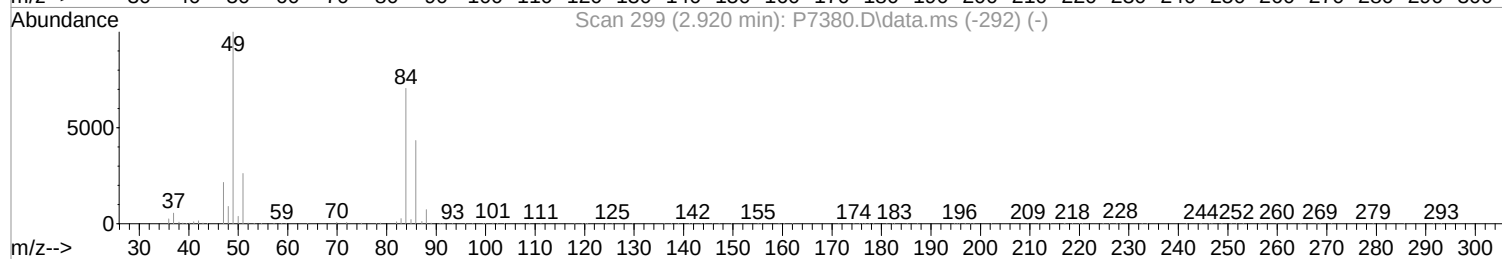
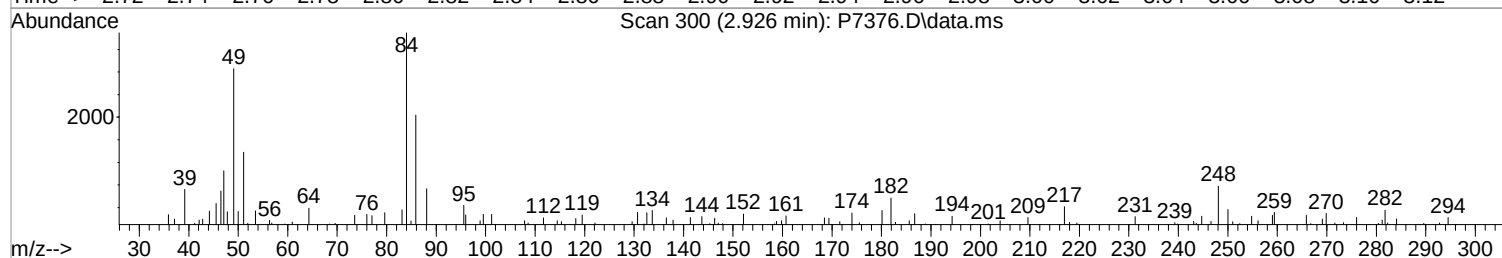
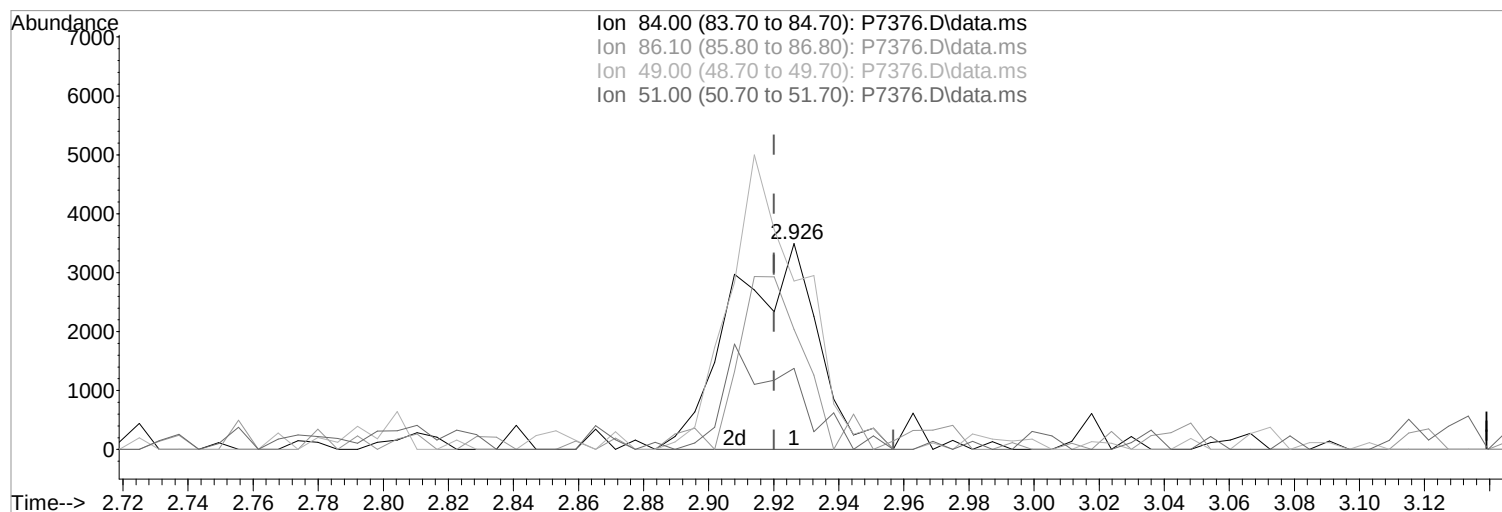
41.00	283.10	279.60

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(22) Methylene Chloride (P)

2.926min (+0.006) 1.08 ppb m

response 6424

Ion	Exp%	Act%
84.00	100	100
86.10	61.50	58.28
49.00	142.00	81.83#
51.00	37.20	39.46

Manual Integration:

After

Split Peak

01/05/17

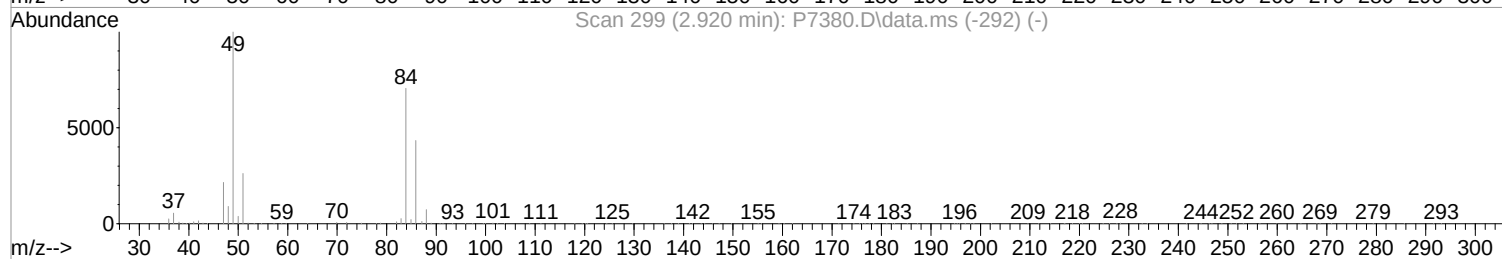
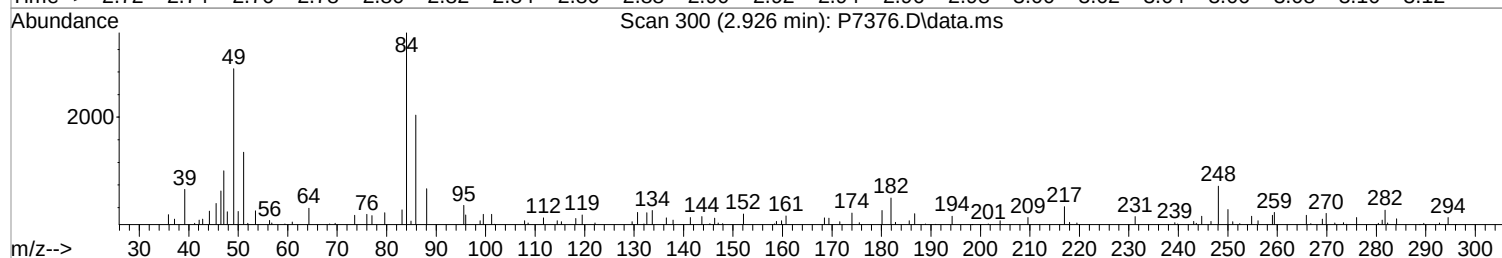
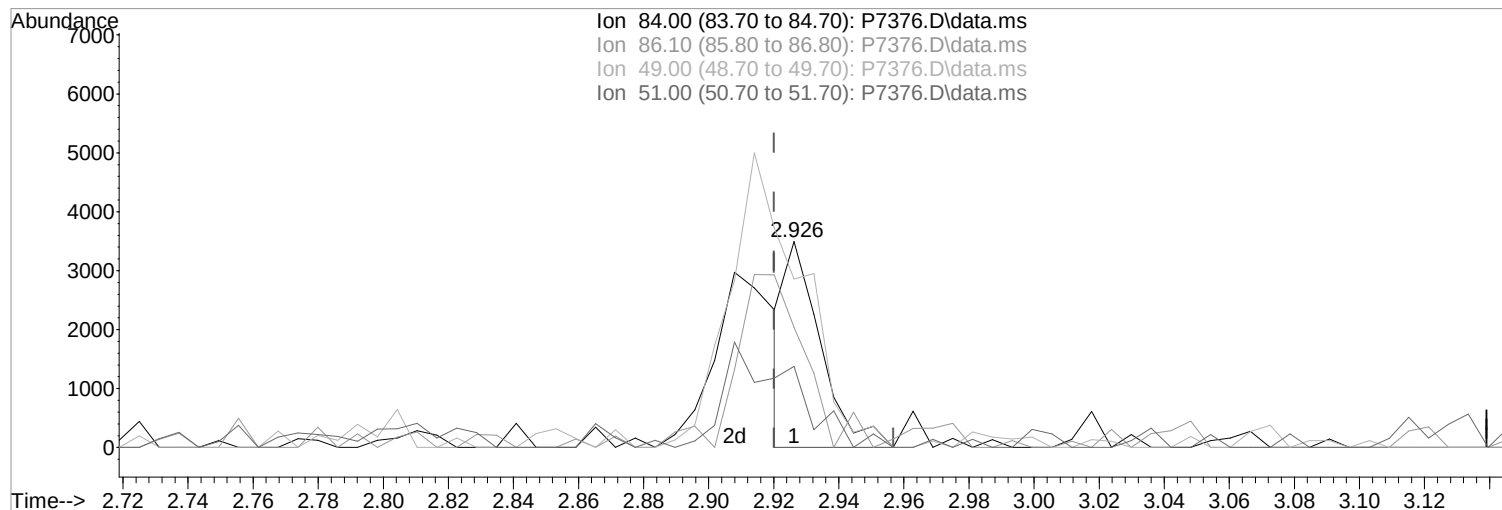
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(22) Methylene Chloride (P)

Manual Integration:

2.926min (+0.006) 0.44 ppb

Before

response 2640

Ion	Exp%	Act%

01/05/17

84.00	100	100

86.10	61.50	58.28

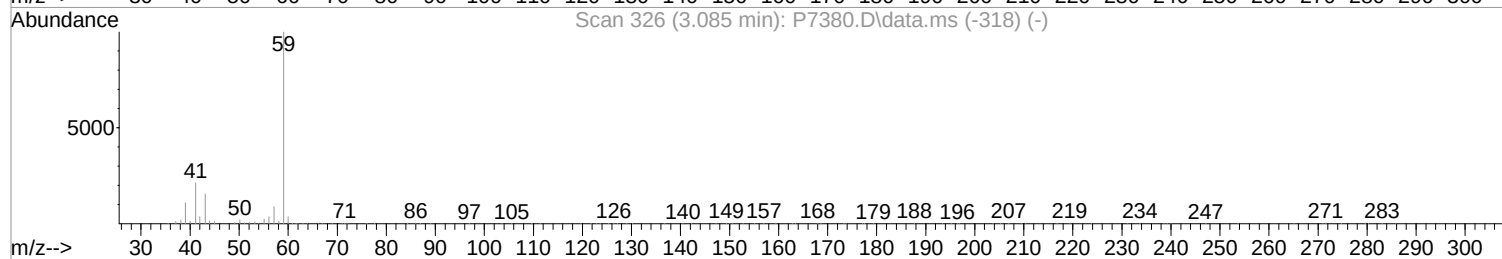
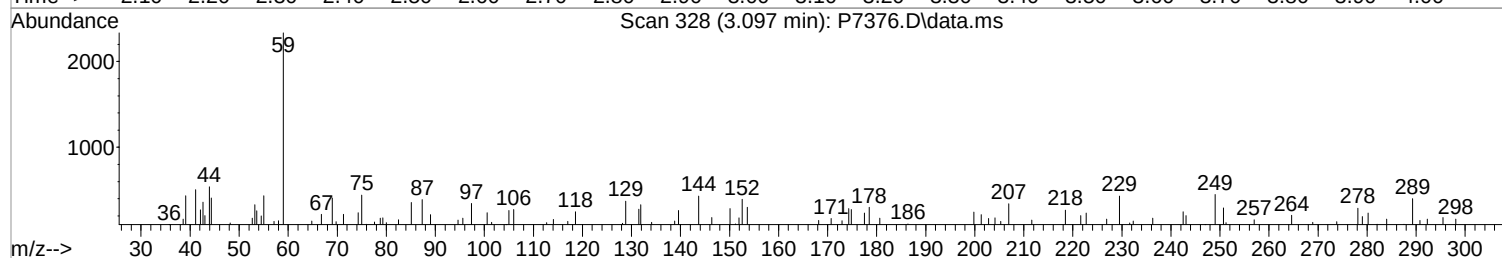
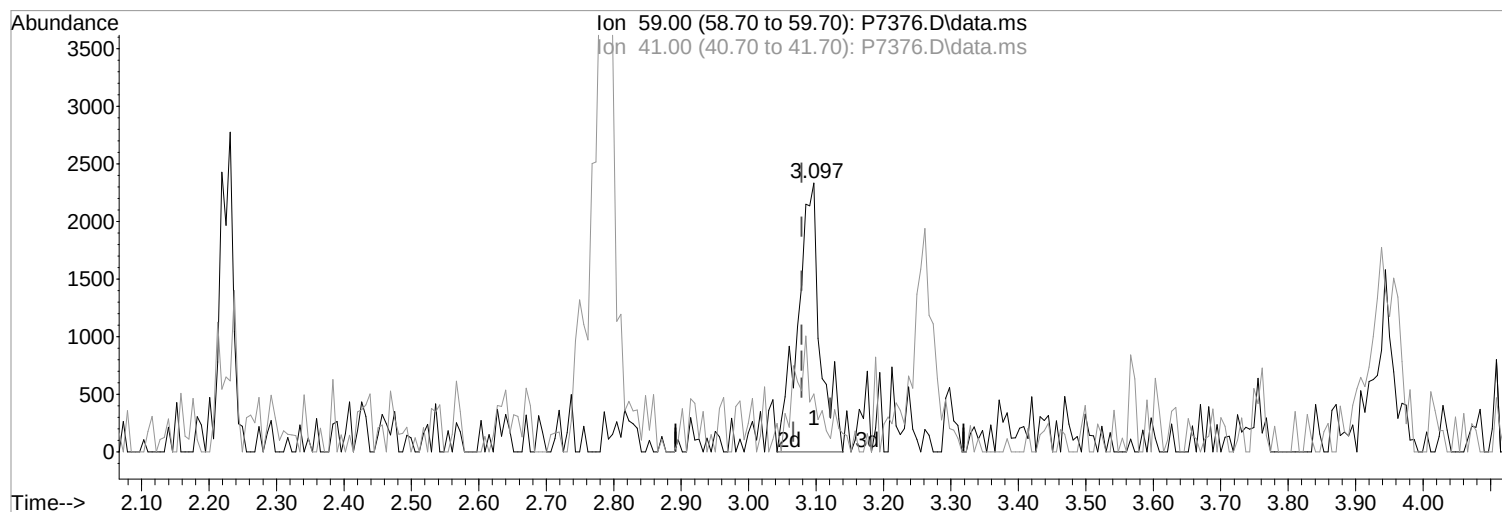
49.00	142.00	81.83#

51.00	37.20	39.46

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(23) TBA

3.097min (+0.018) 17.79 ppb m

response 5474

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	21.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

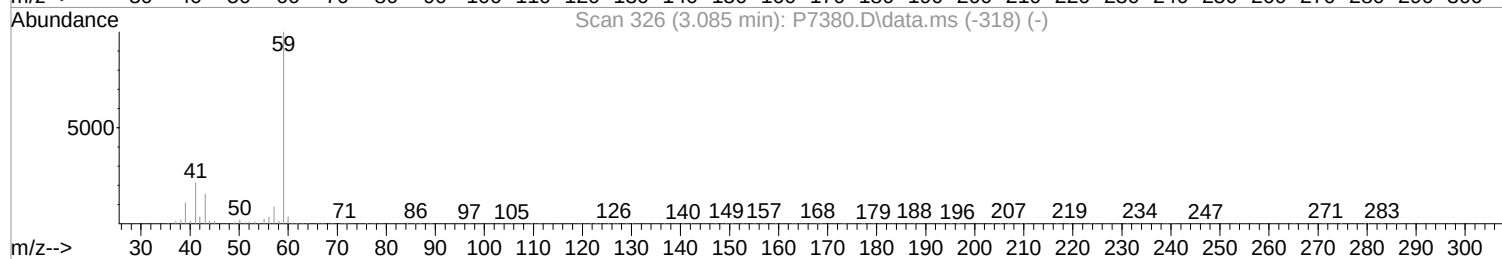
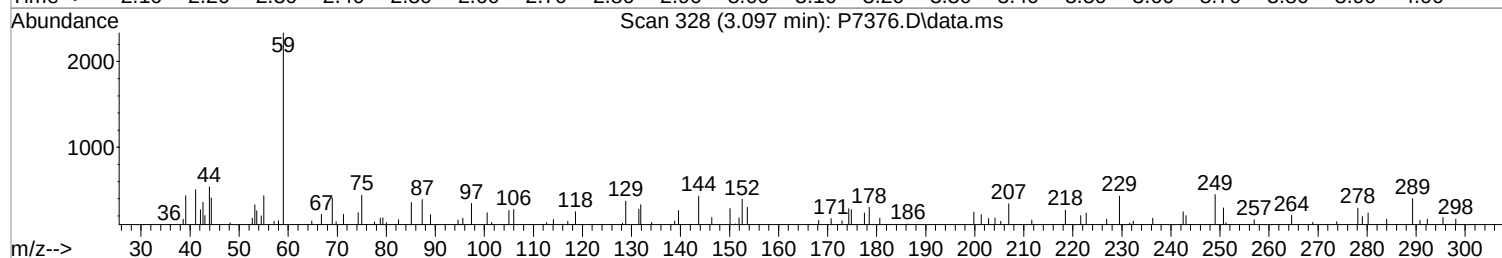
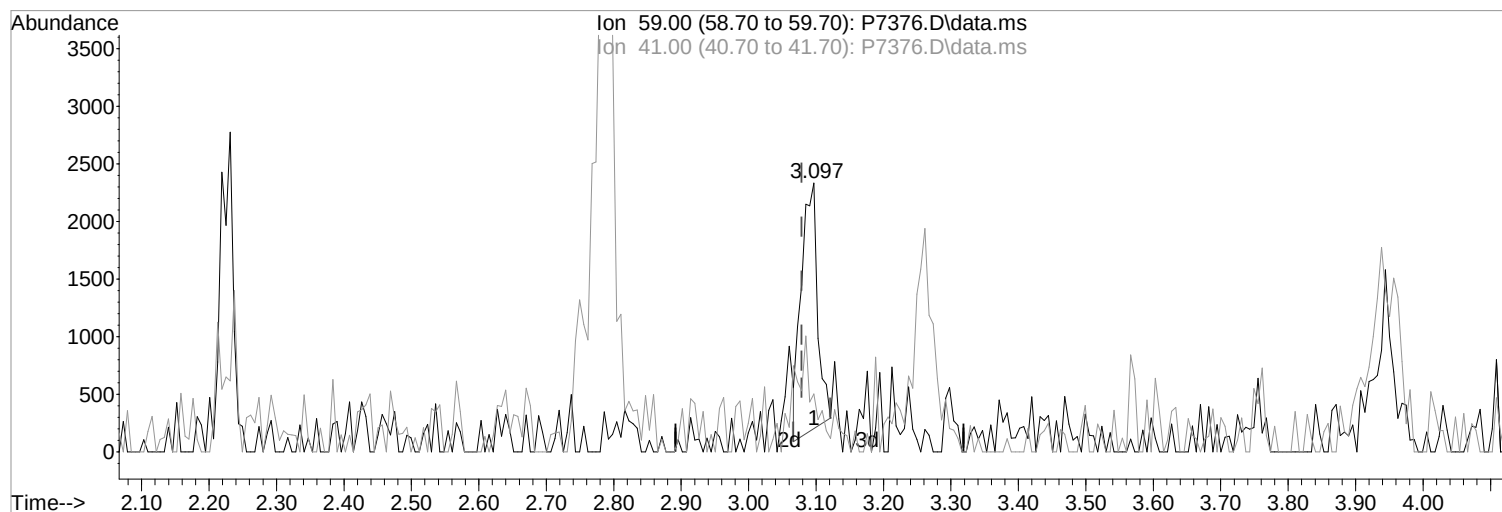
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(23) TBA

Manual Integration:

3.097min (+0.018) 11.82 ppb

Before

response 3638

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	21.58
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

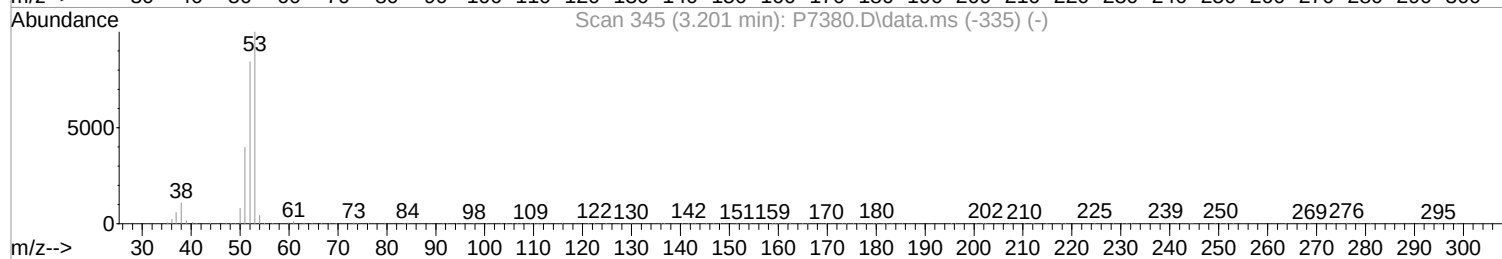
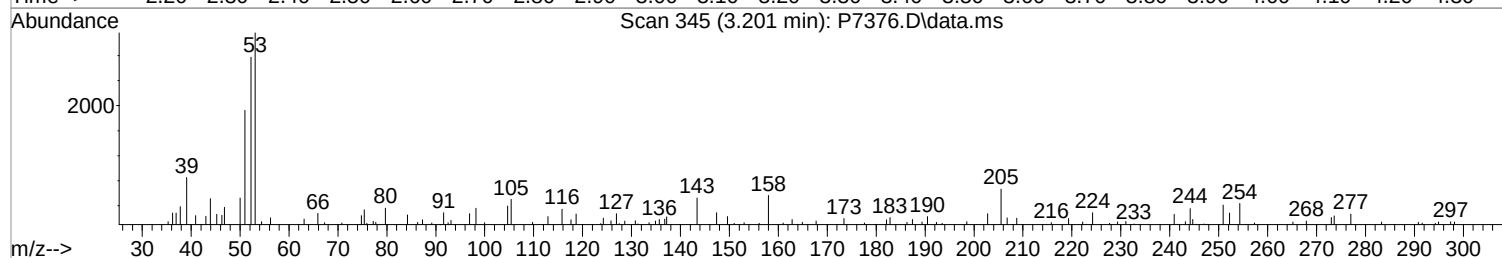
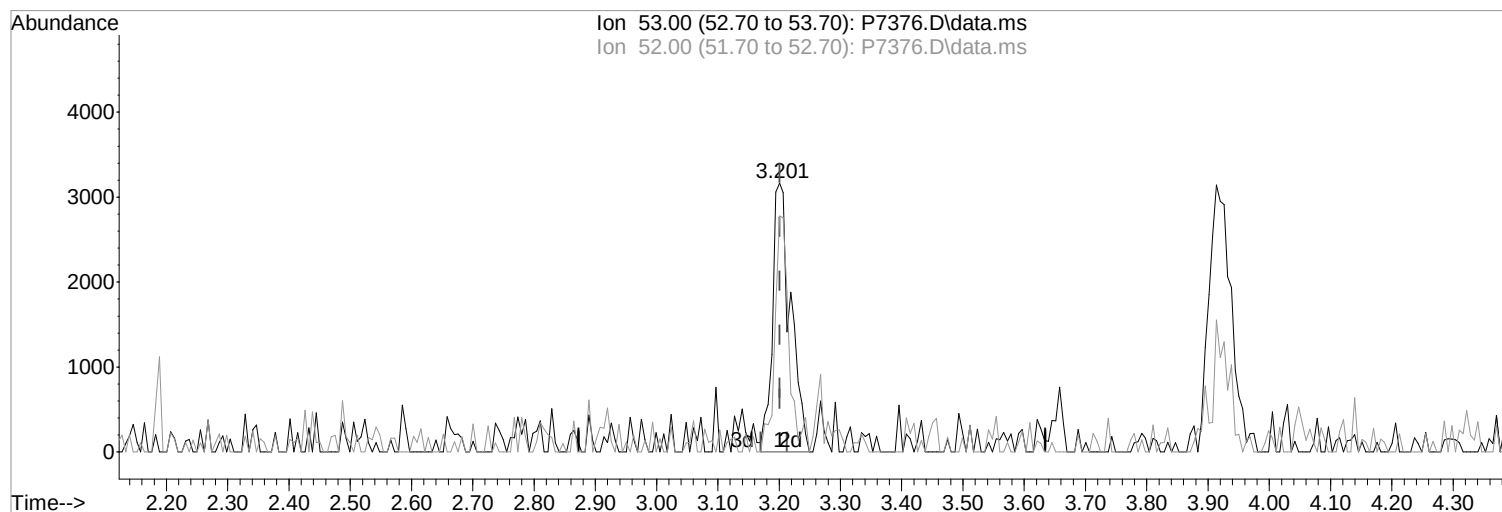
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(24) Acrylonitrile

Manual Integration:

3.201min (0.000) 4.89 ppb m

After

response 6517

Split Peak

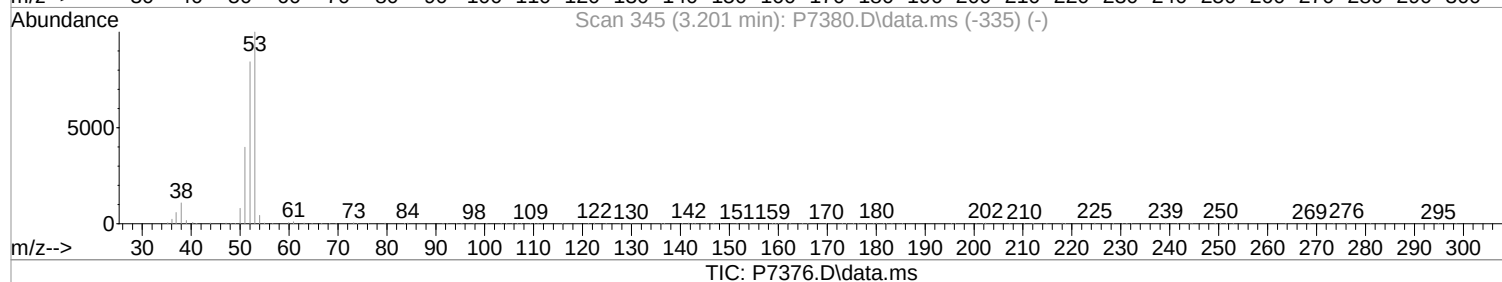
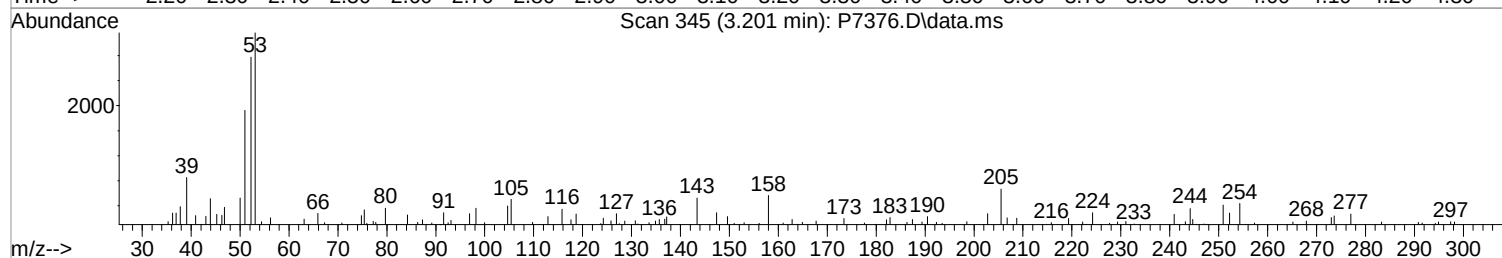
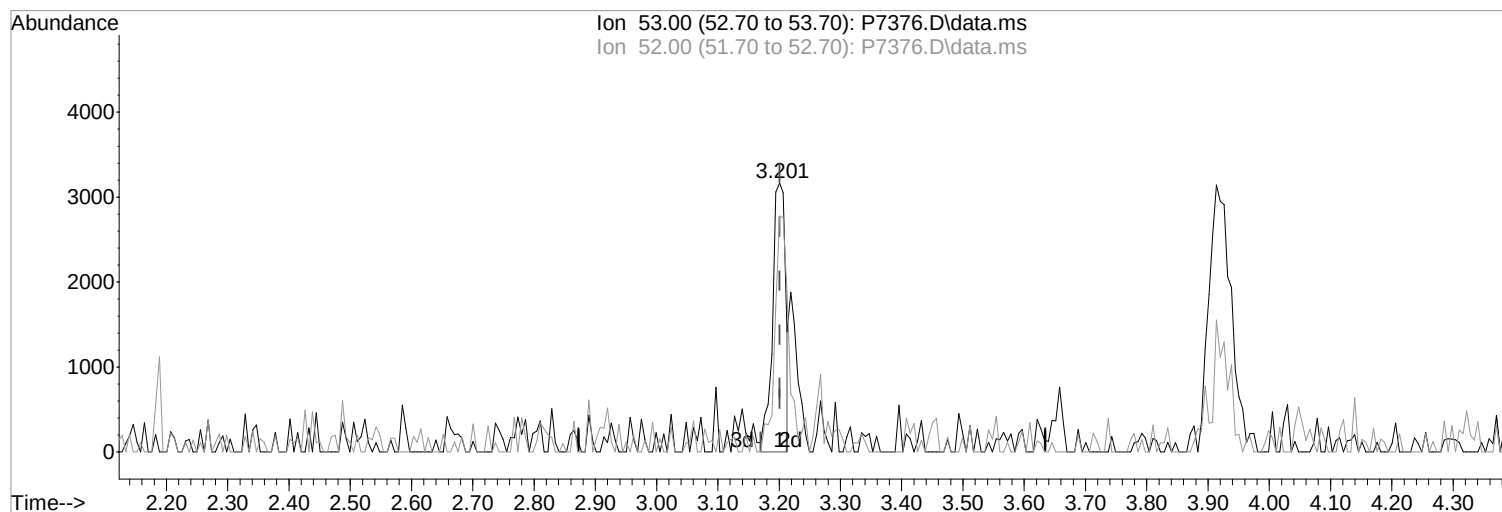
Ion	Exp%	Act%
53.00	100	100
52.00	84.30	87.71
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(24) Acrylonitrile

Manual Integration:

3.201min (0.000) 3.52 ppb

Before

response 4694

Ion	Exp%	Act%
53.00	100	100
52.00	84.30	87.71
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

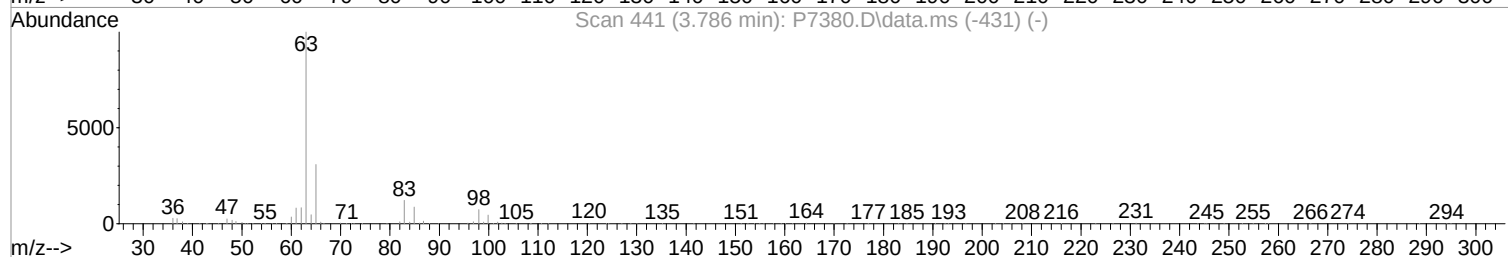
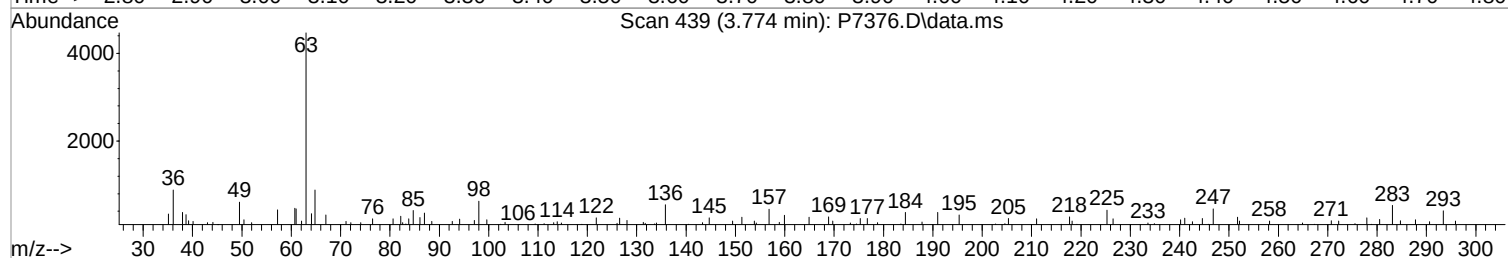
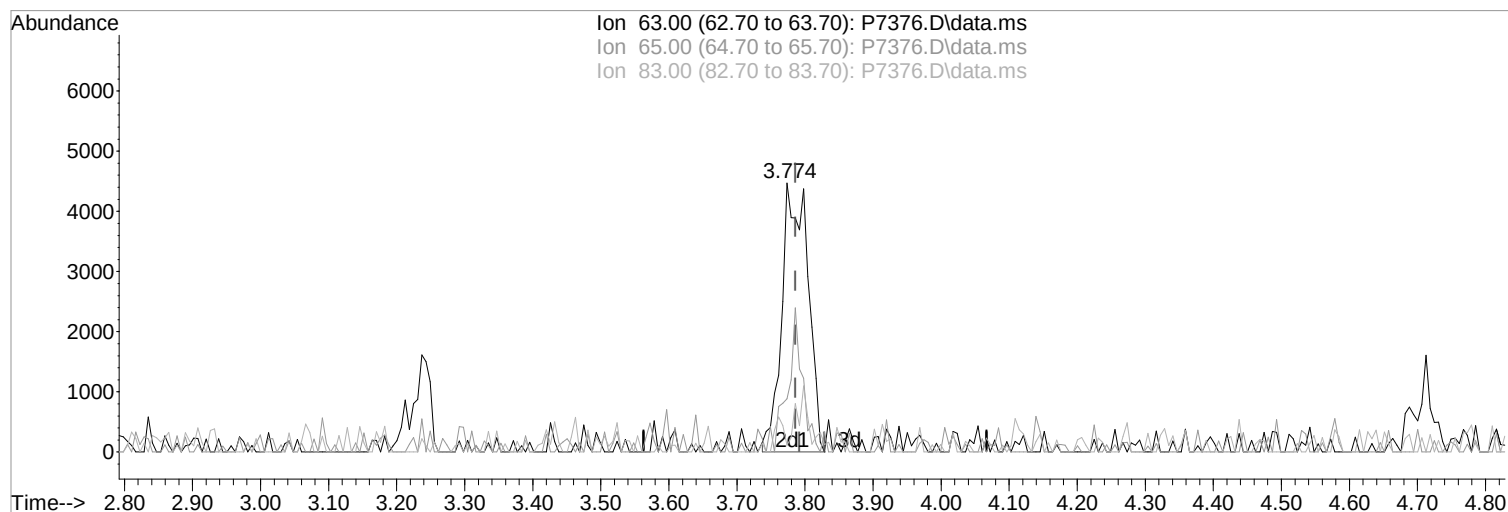
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(28) 1,1-Dicethane (P)

3.774min (-0.012) 1.12 ppb m

response 11785

Ion	Exp%	Act%
63.00	100	100
65.00	30.80	19.80
83.00	12.10	2.53
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

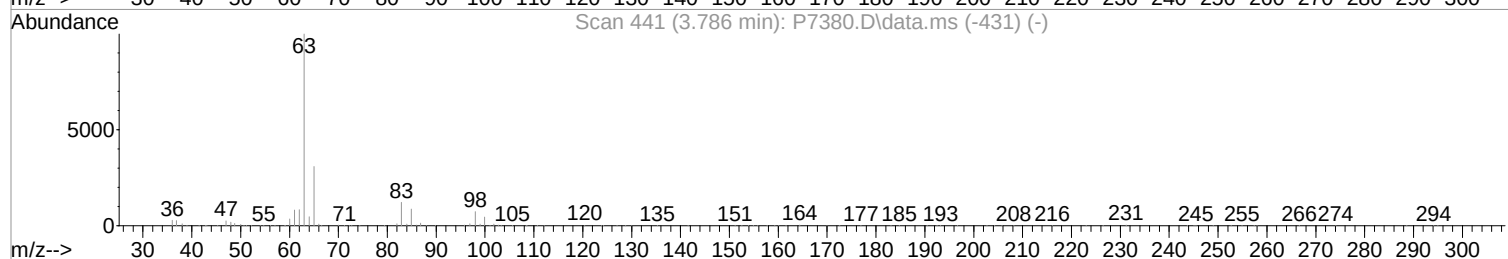
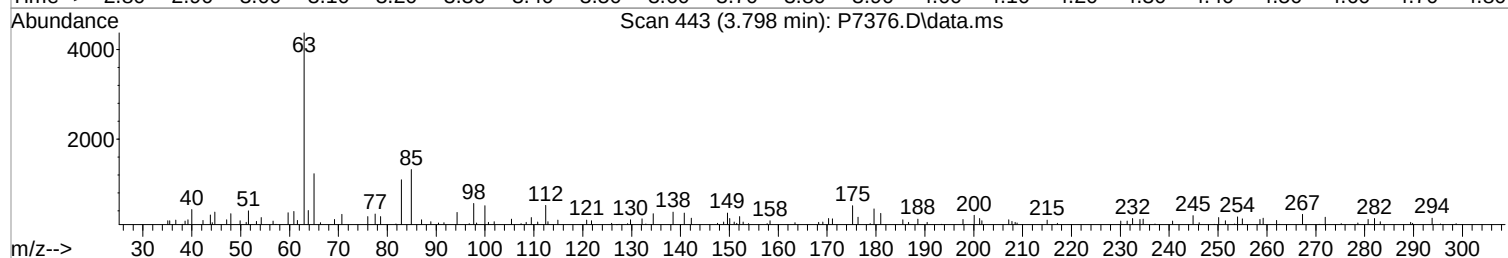
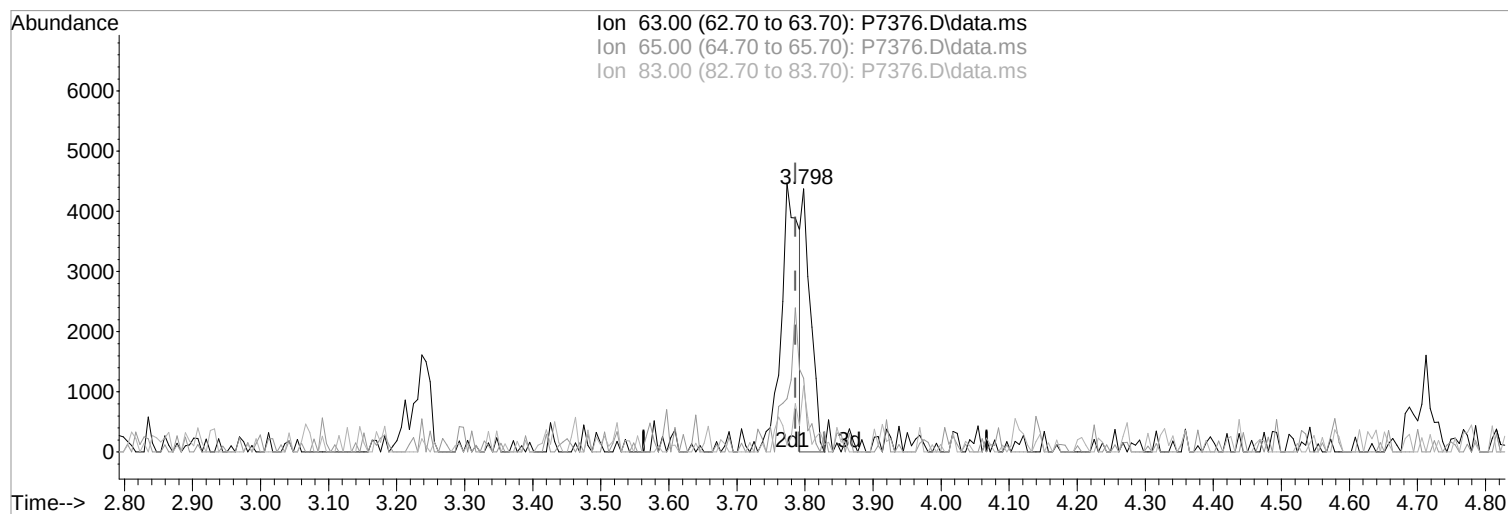
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(28) 1,1-Dicethane (P)

Manual Integration:

3.798min (+0.012) 0.37 ppb

Before

response 3935

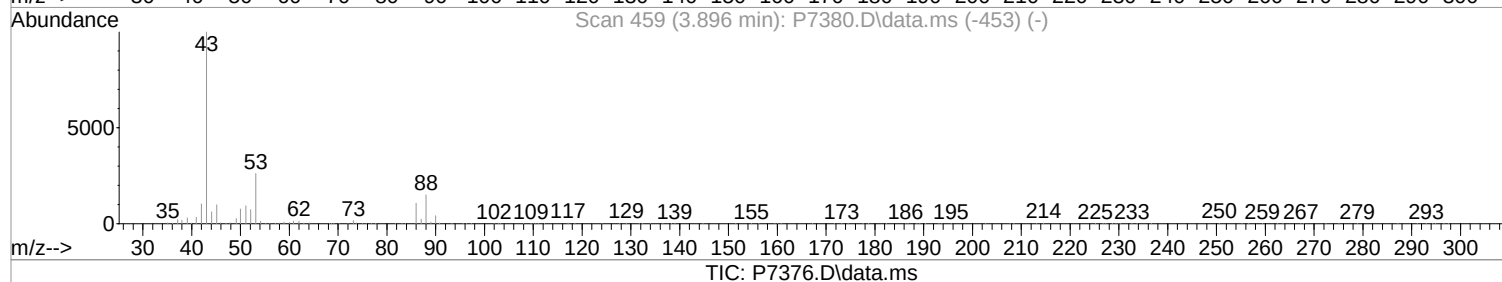
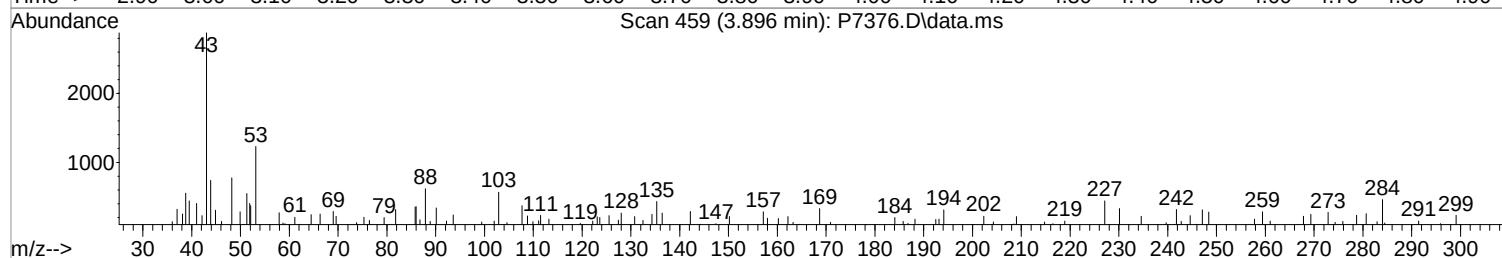
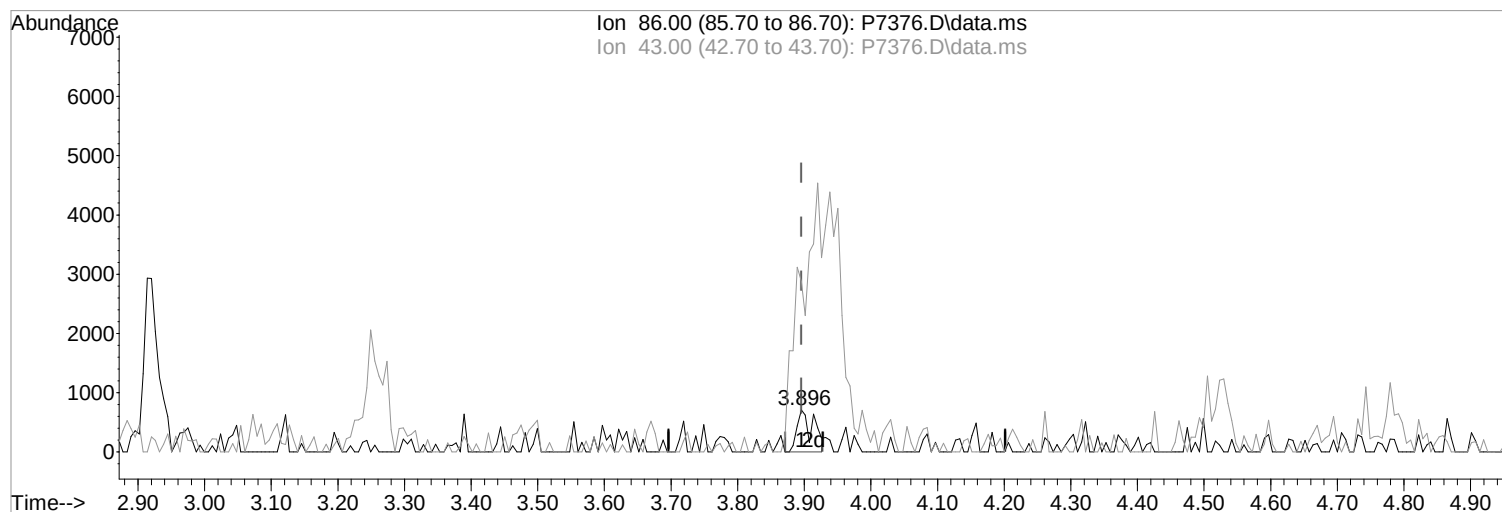
Ion	Exp%	Act%
63.00	100	100
65.00	30.80	28.07
83.00	12.10	25.13
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(29) Vinyl Acetate

Manual Integration:

3.896min (+0.000) 1.19 ppb m

After

response 1218

Poor integration.

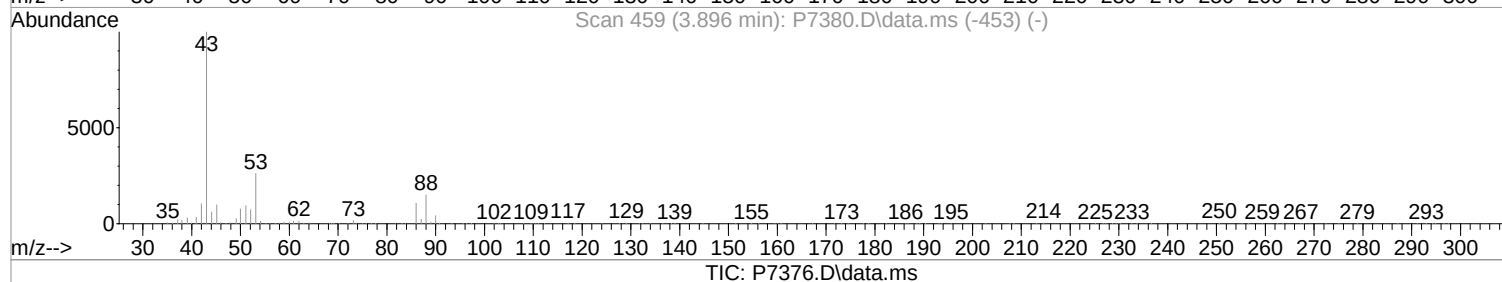
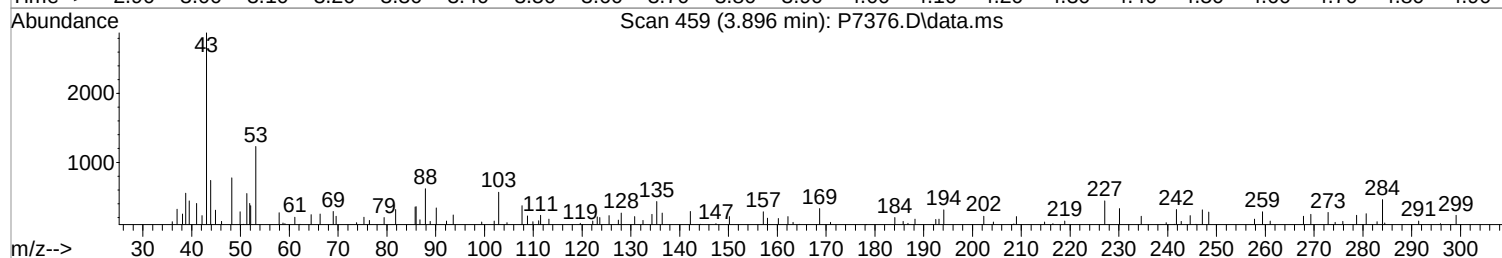
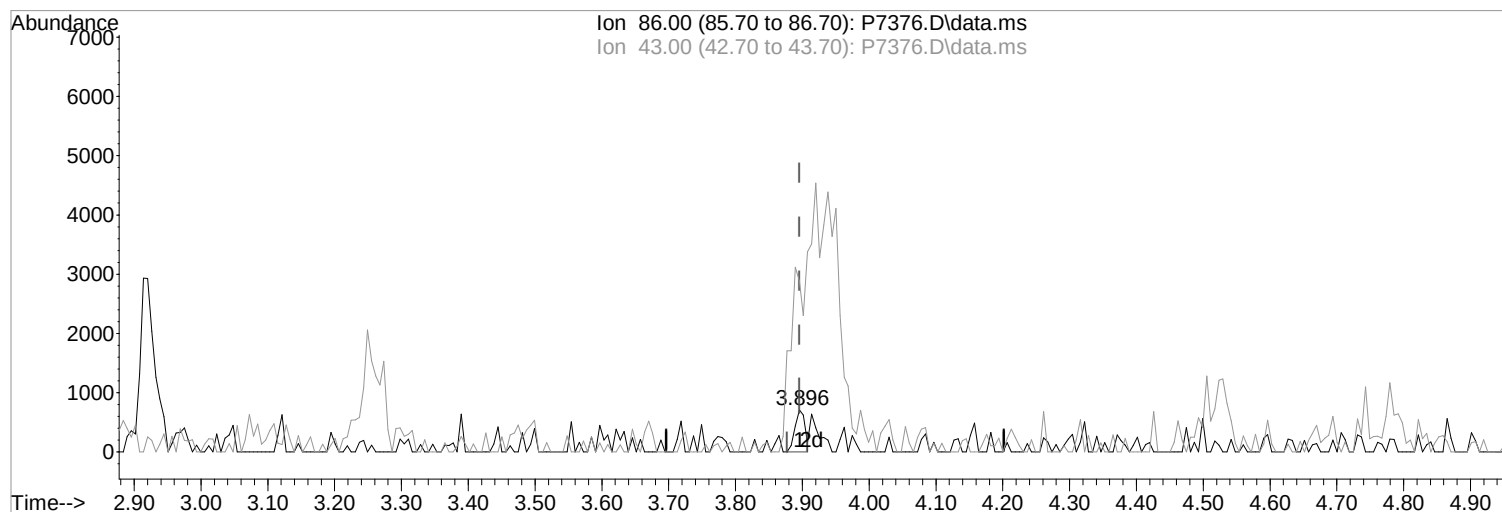
Ion	Exp%	Act%
86.00	100	100
43.00	951.10	806.44#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(29) Vinyl Acetate

Manual Integration:

3.896min (+0.000) 0.73 ppb

Before

response 748

Ion	Exp%	Act%

01/05/17

86.00	100	100

43.00	951.10	406.06#

0.00	0.00	0.00

0.00	0.00	0.00

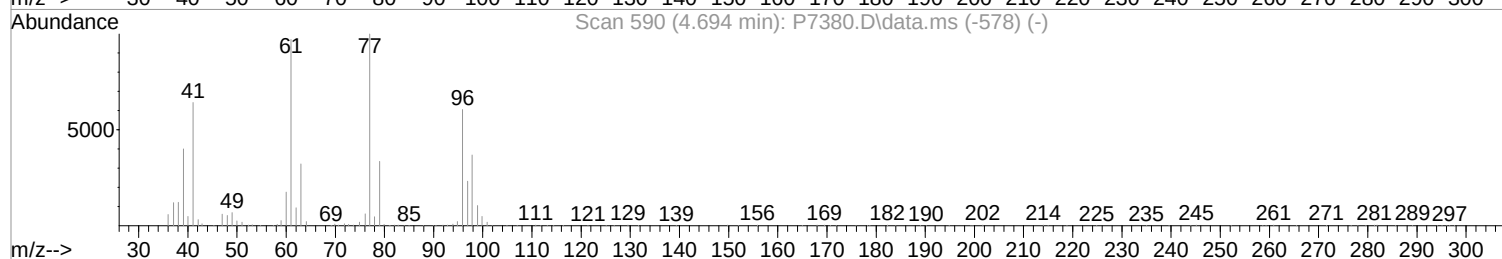
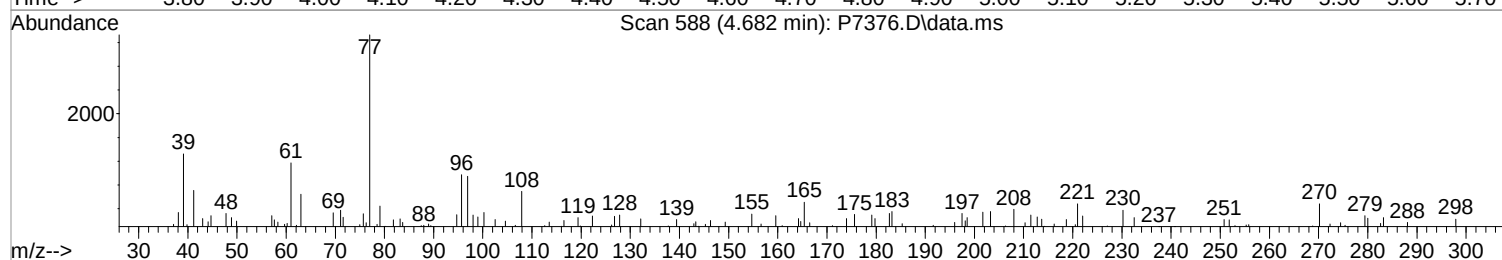
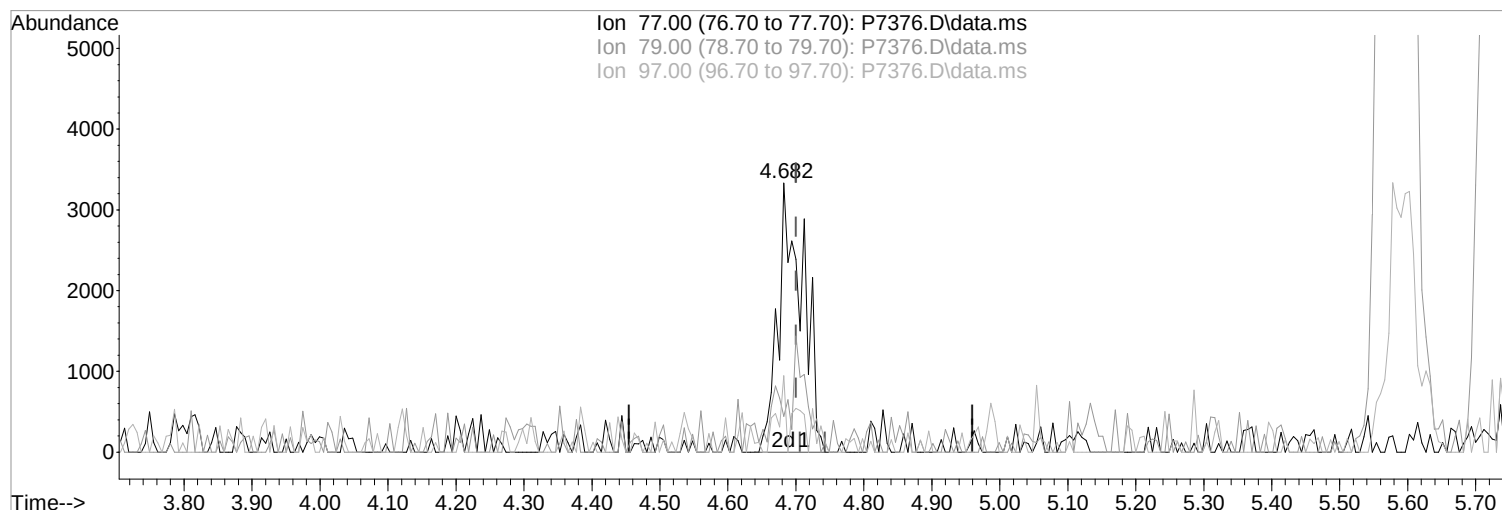
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(33) 2,2-Dichloropropane

4.682min (-0.018) 1.01 ppb m

response 8369

Ion	Exp%	Act%
77.00	100	100
79.00	33.80	13.27#
97.00	23.20	28.39
0.00	0.00	0.00

Manual Integration:

After

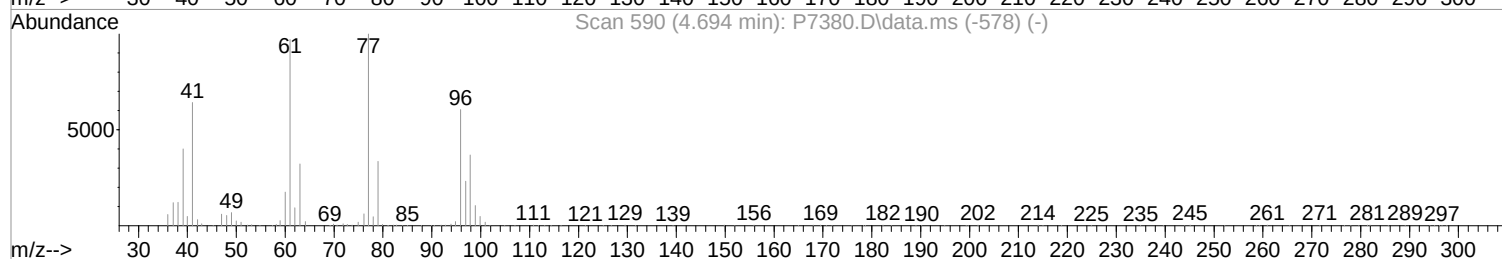
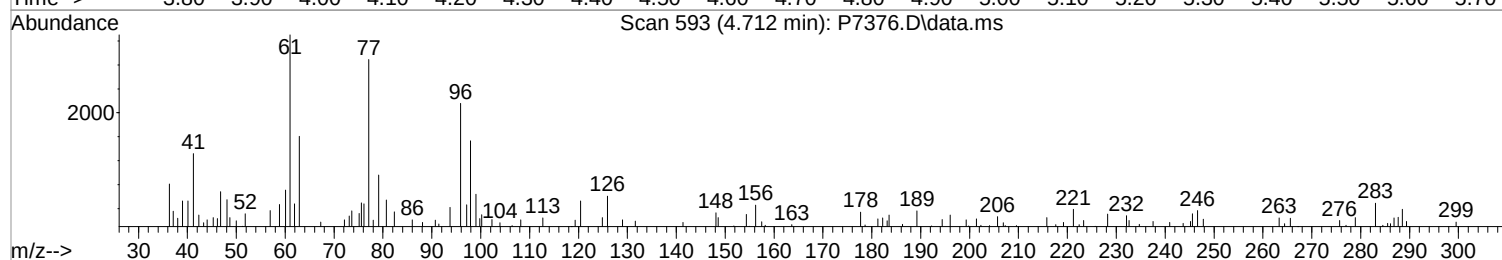
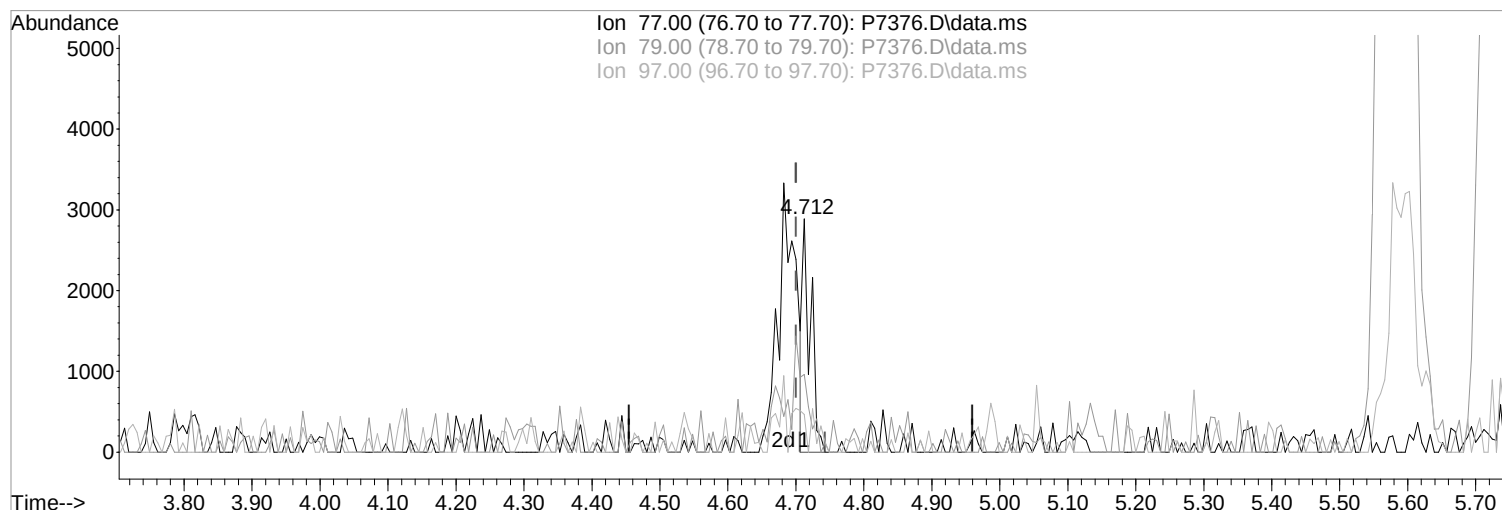
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(33) 2,2-Dichloropropane

Manual Integration:

4.712min (+0.012) 0.29 ppb

Before

response 2365

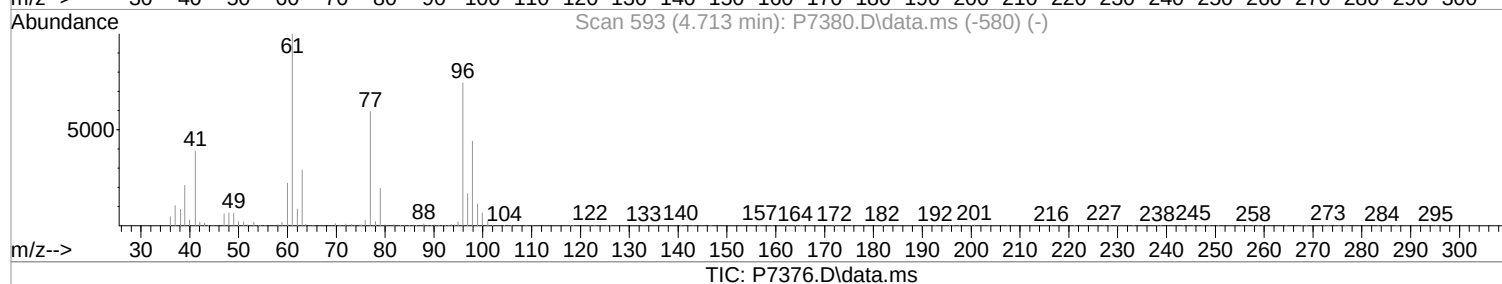
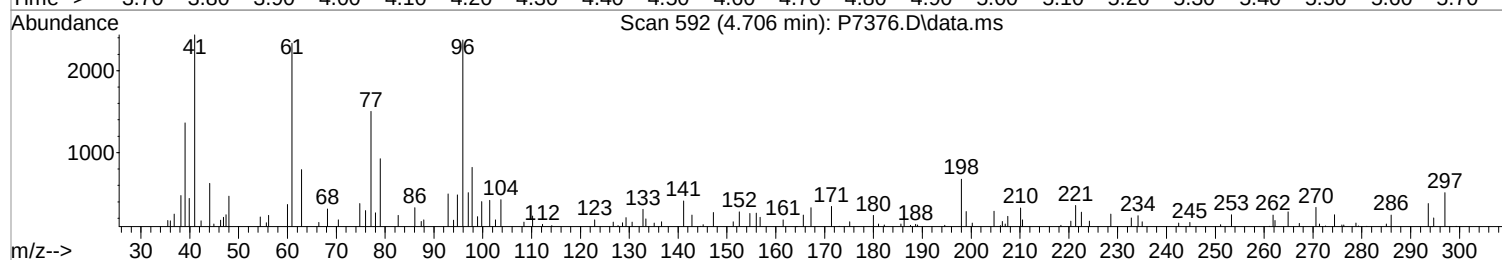
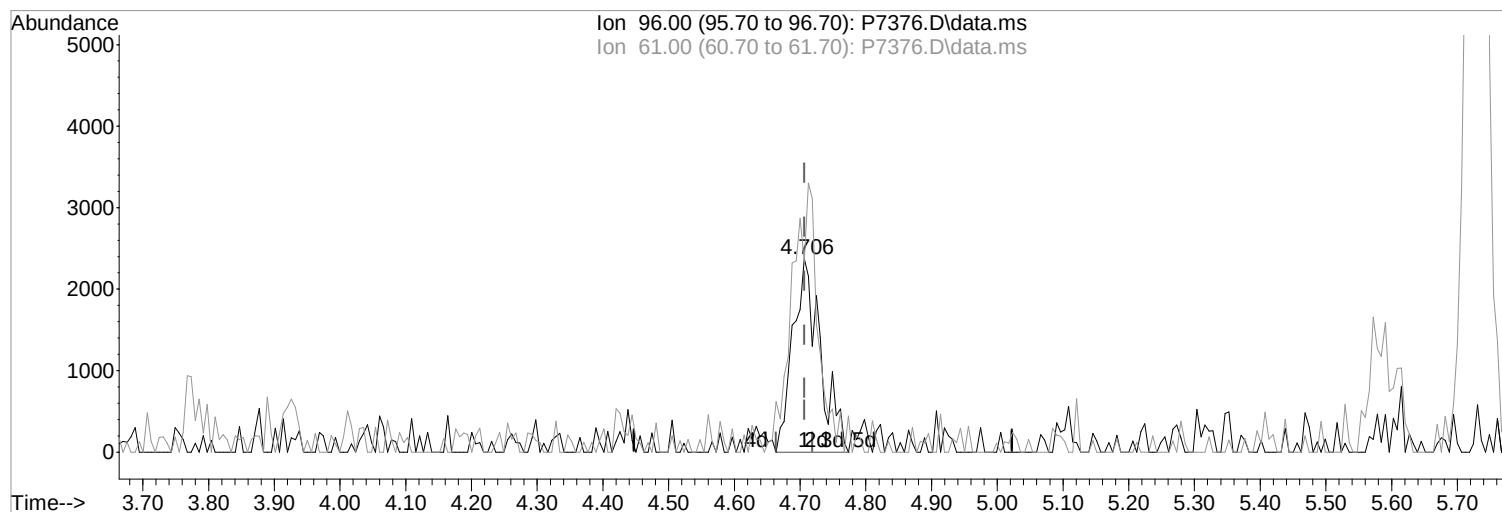
Ion	Exp%	Act%
77.00	100	100
79.00	33.80	33.30
97.00	23.20	16.11
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(34) cis-1,2-Dichloroethene (P)

Manual Integration:

4.706min (+0.000) 1.03 ppb m

After

response 6828

Split Peak

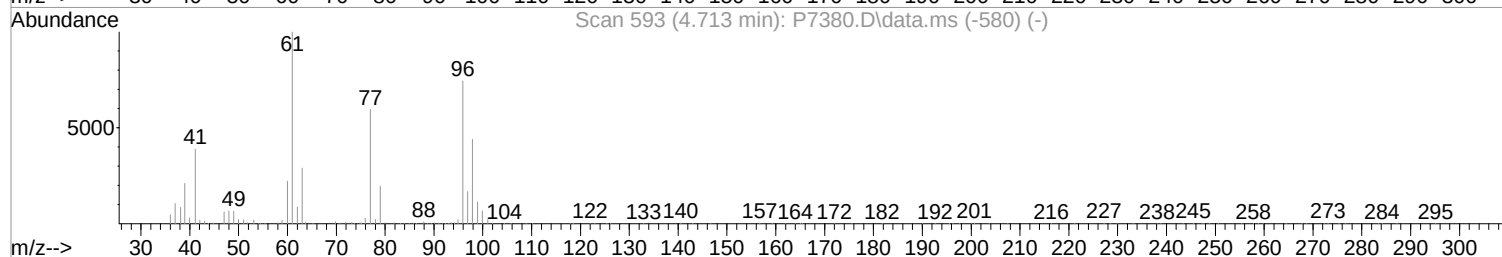
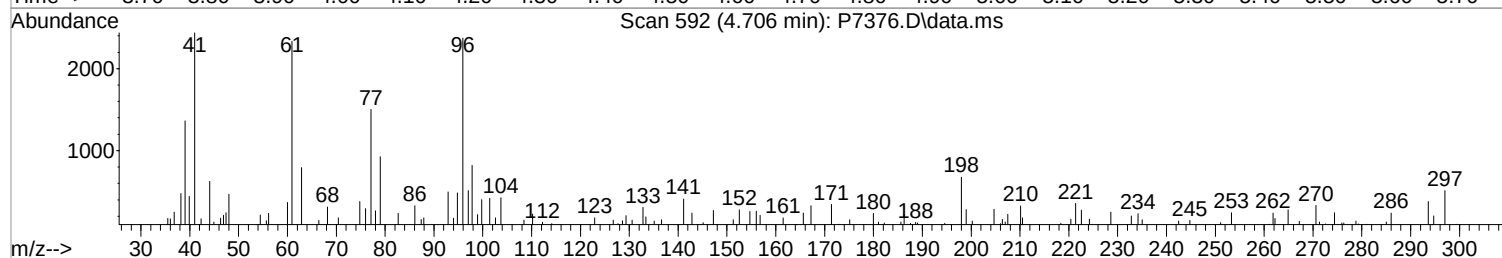
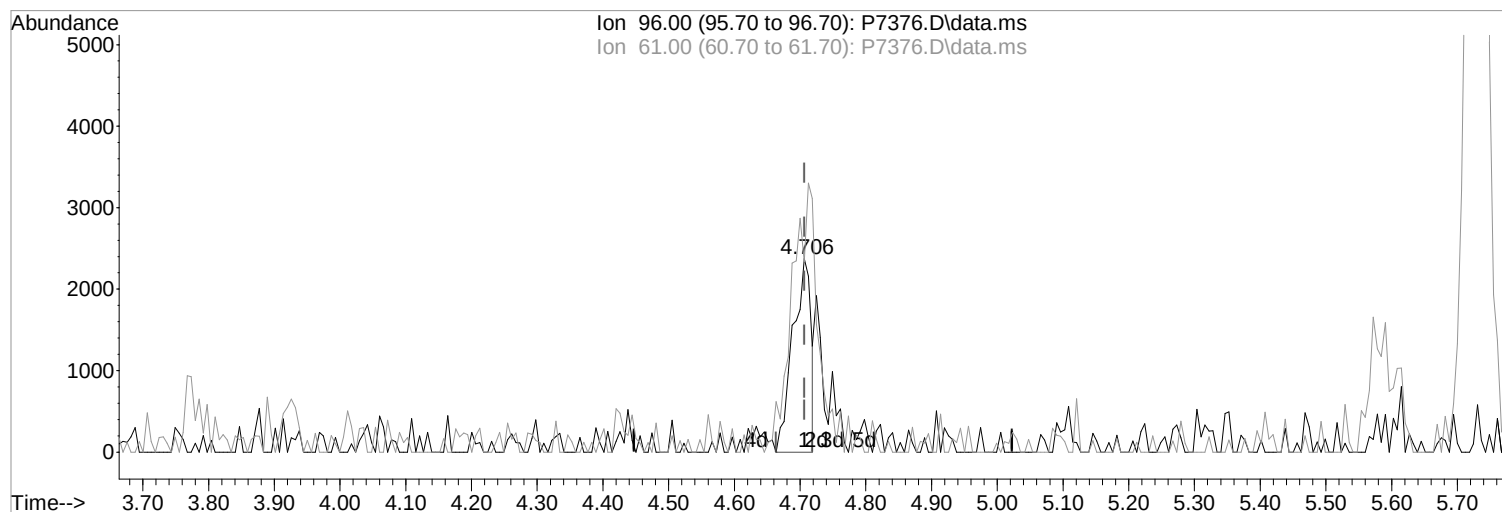
Ion	Exp%	Act%
96.00	100	100
61.00	134.80	98.36#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(34) cis-1,2-Dichloroethene (P)

Manual Integration:

4.706min (+0.000) 0.69 ppb

Before

response 4537

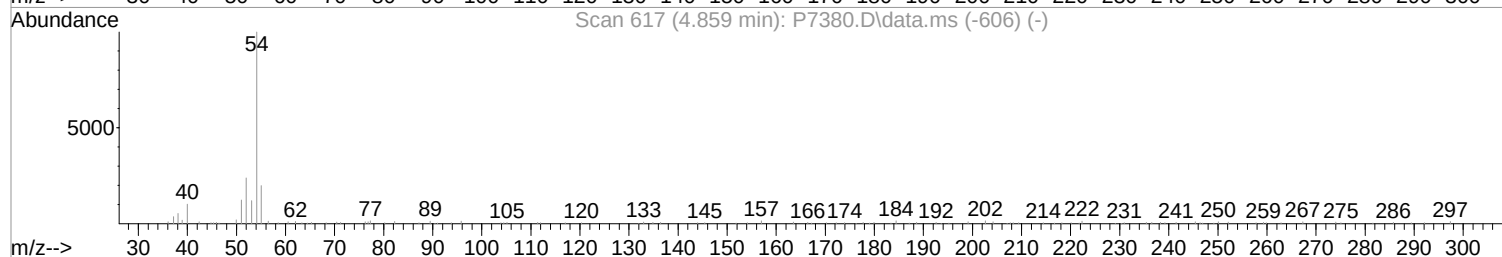
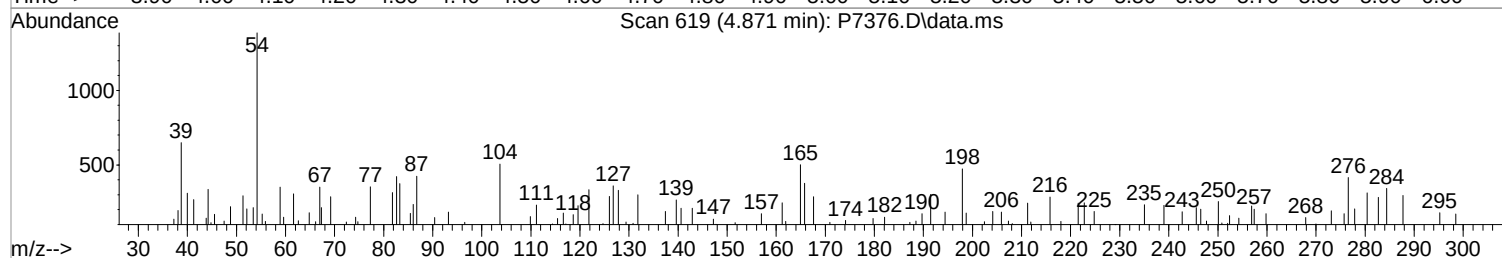
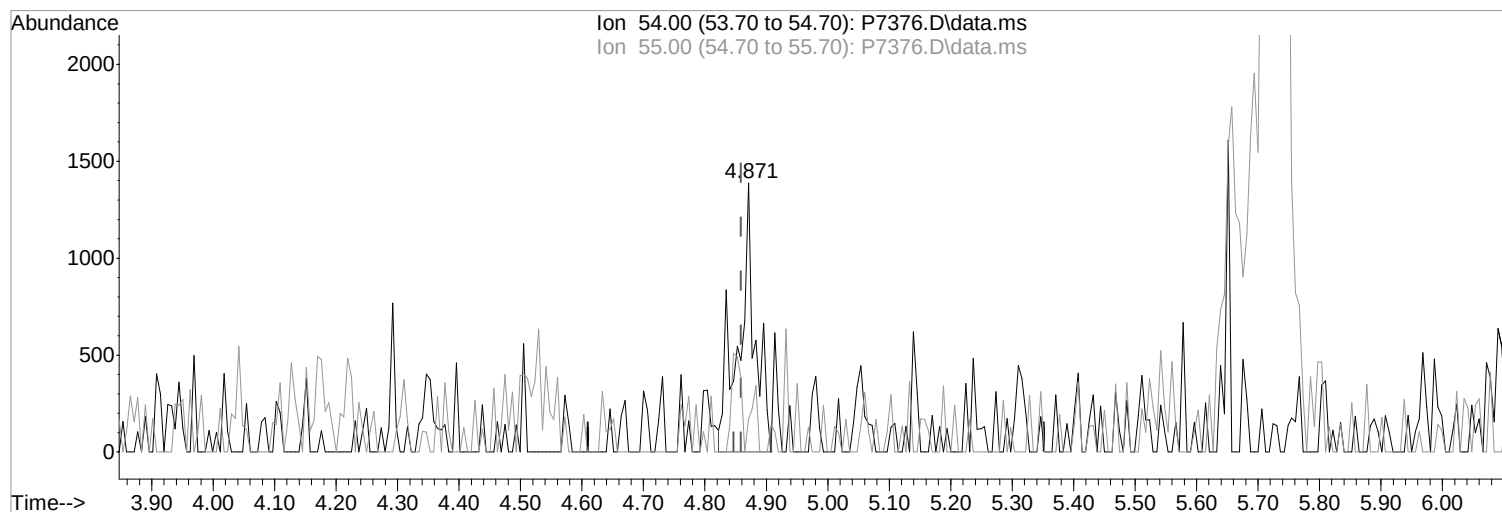
Ion	Exp%	Act%
96.00	100	100
61.00	134.80	98.36#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(36) Propionitrile

Manual Integration:

4.871min (+0.012) 5.07 ppb m

After

response 2571

Split Peak

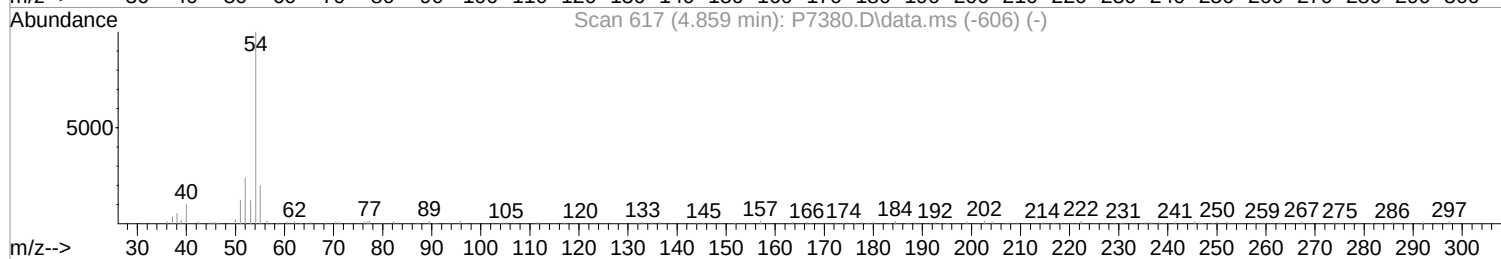
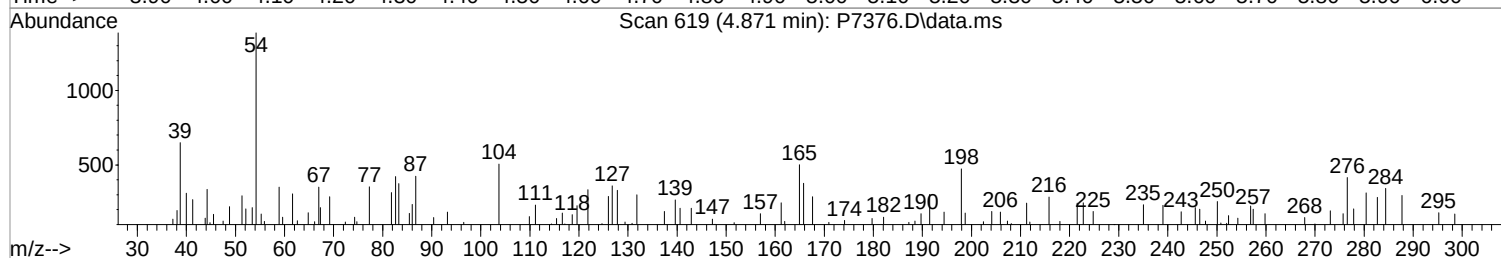
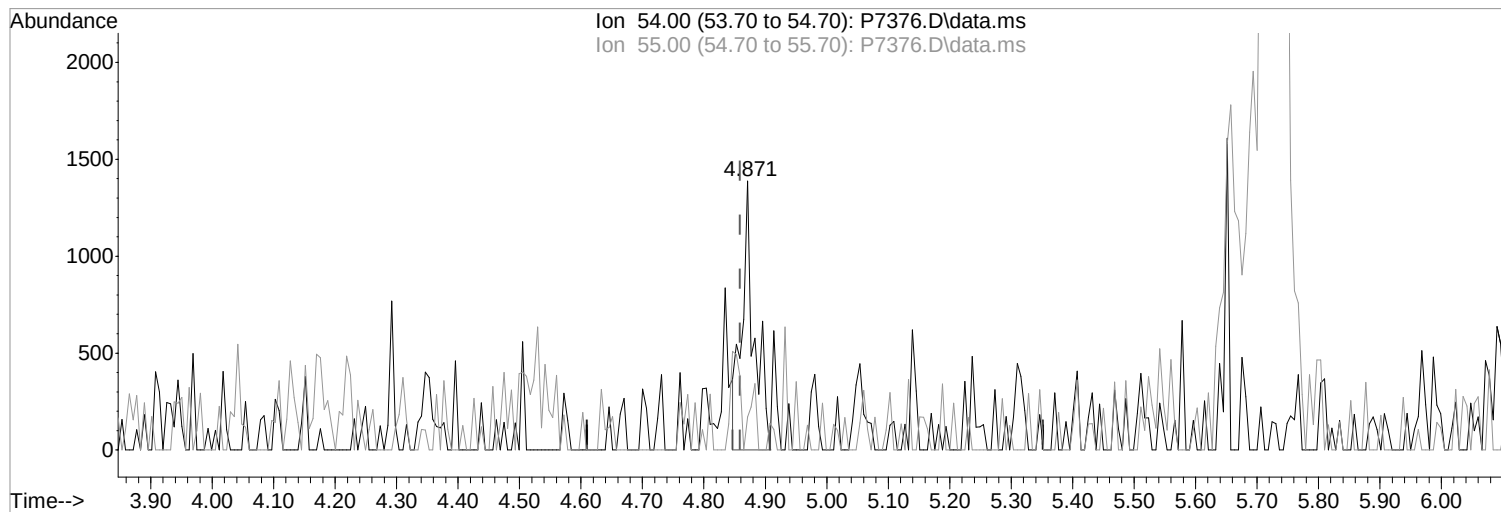
Ion	Exp%	Act%
54.00	100	100
55.00	20.30	12.25
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(36) Propionitrile

Manual Integration:

4.871min (+0.012) 3.83 ppb

Before

response 1942

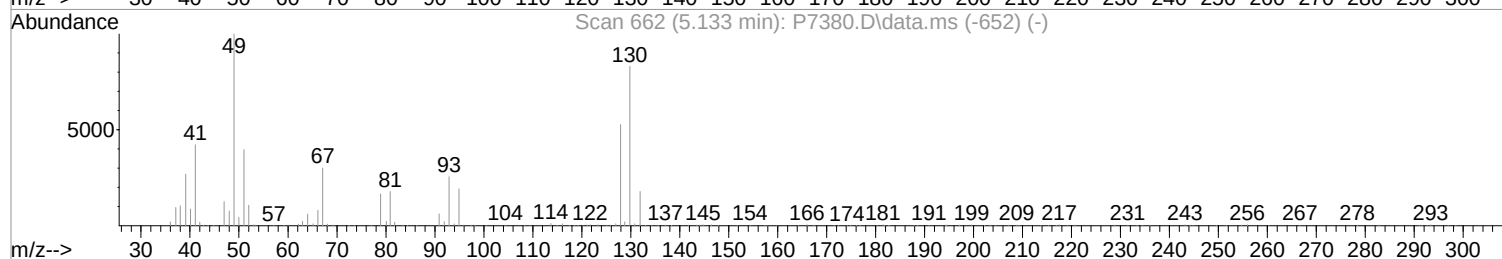
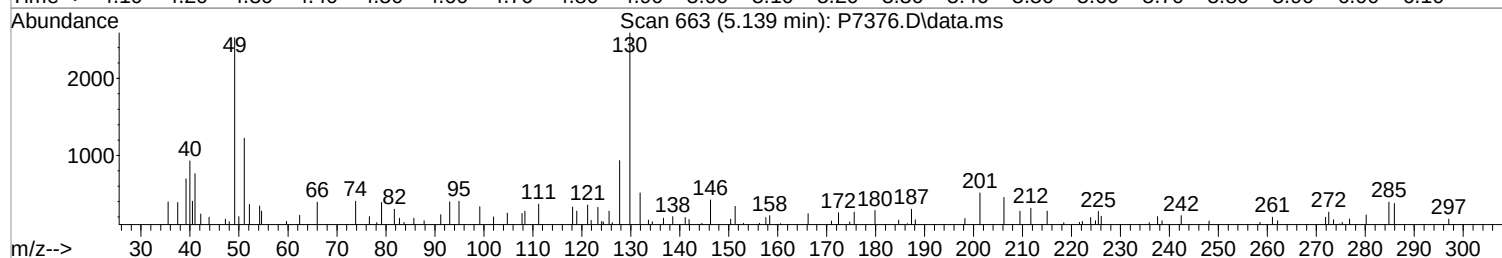
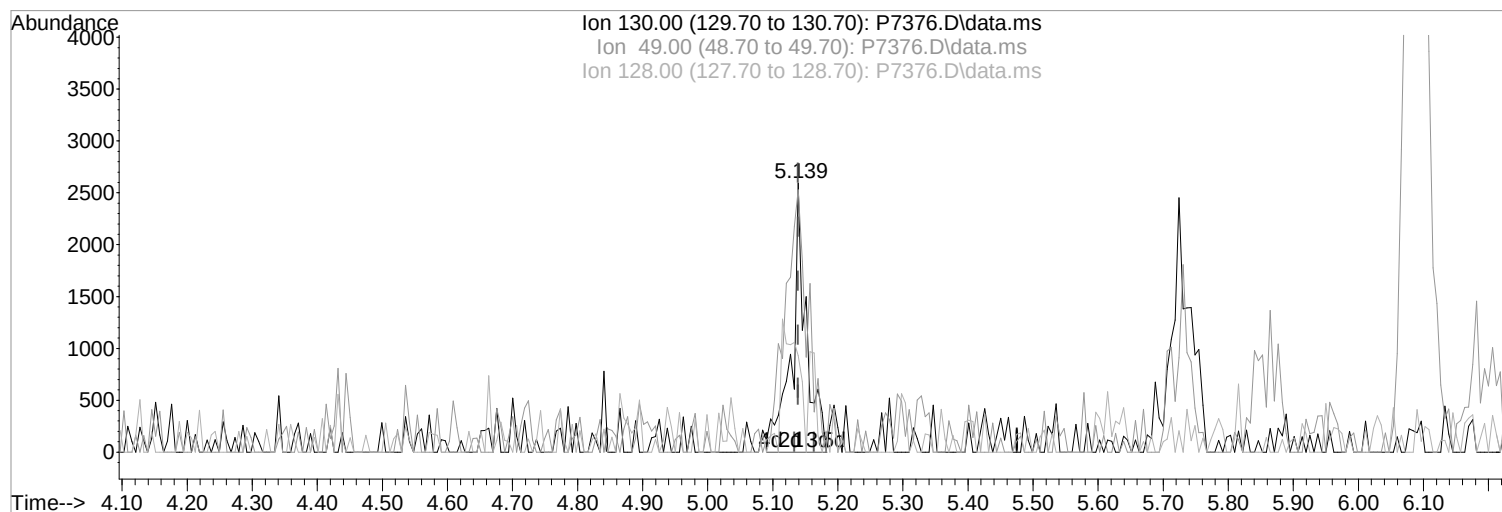
Ion	Exp%	Act%
54.00	100	100
55.00	20.30	12.25
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(37) Bromochloromethane

Manual Integration:

5.139min (+0.000) 1.10 ppb m

After

response 4002

Split Peak

Ion	Exp%	Act%
130.00	100	100
49.00	120.70	97.46#
128.00	64.20	35.89#
0.00	0.00	0.00

01/05/17

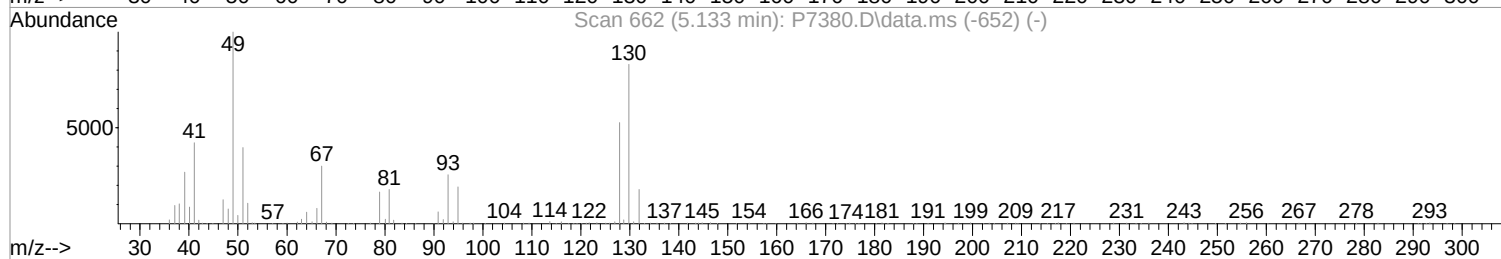
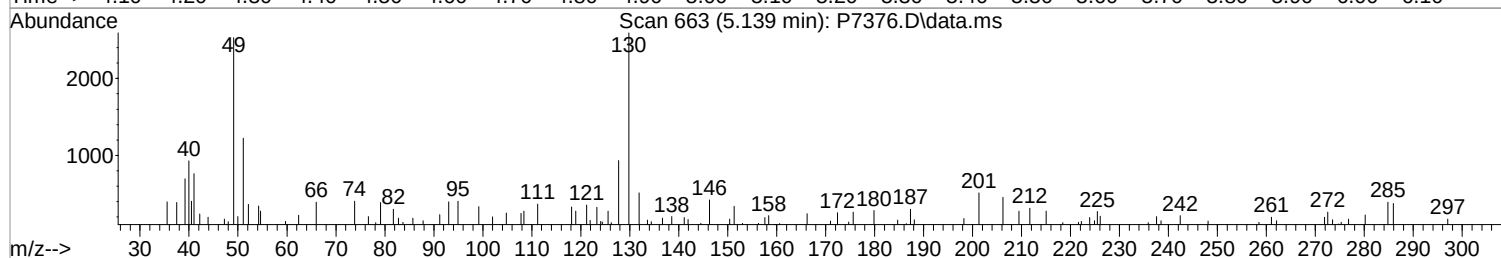
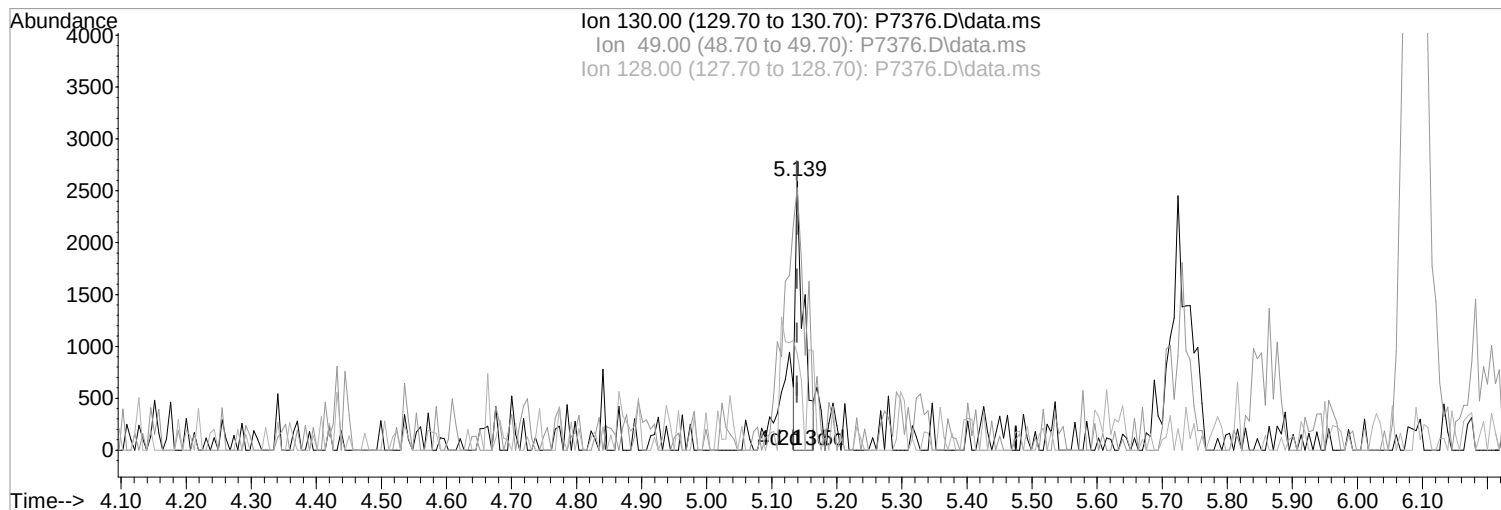
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(37) Bromochloromethane

Manual Integration:

5.139min (+0.000) 0.63 ppb

Before

response 2276

Ion Exp% Act%

01/05/17

130.00 100 100

49.00 120.70 97.46#

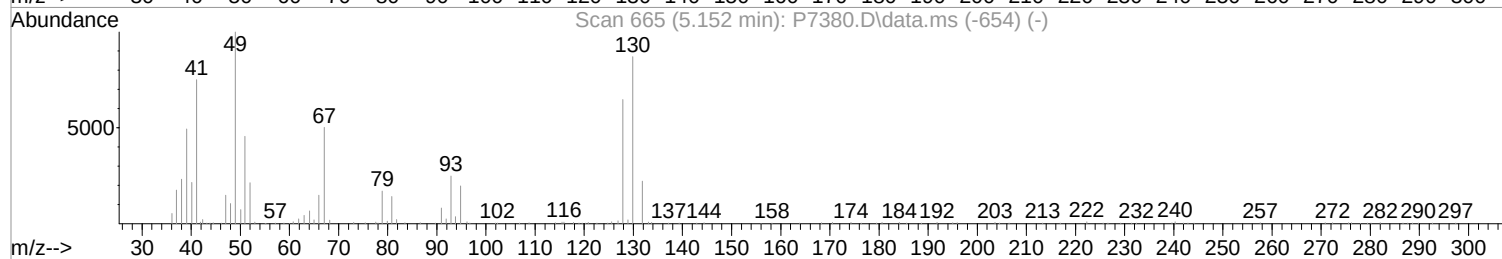
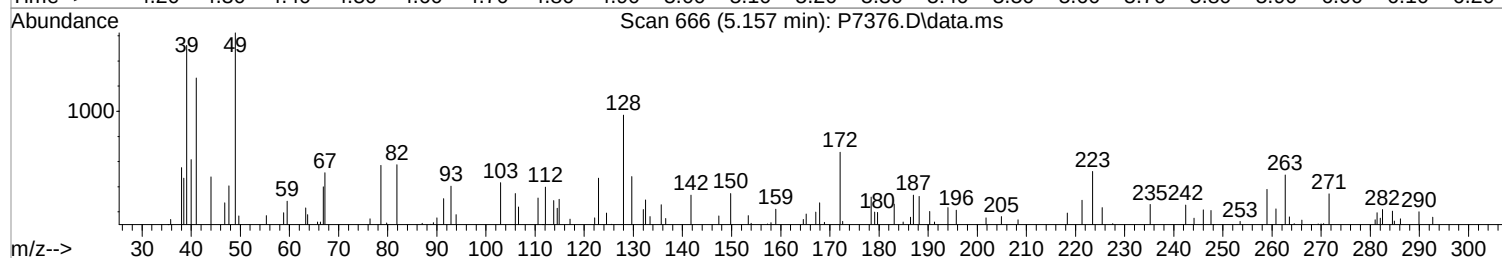
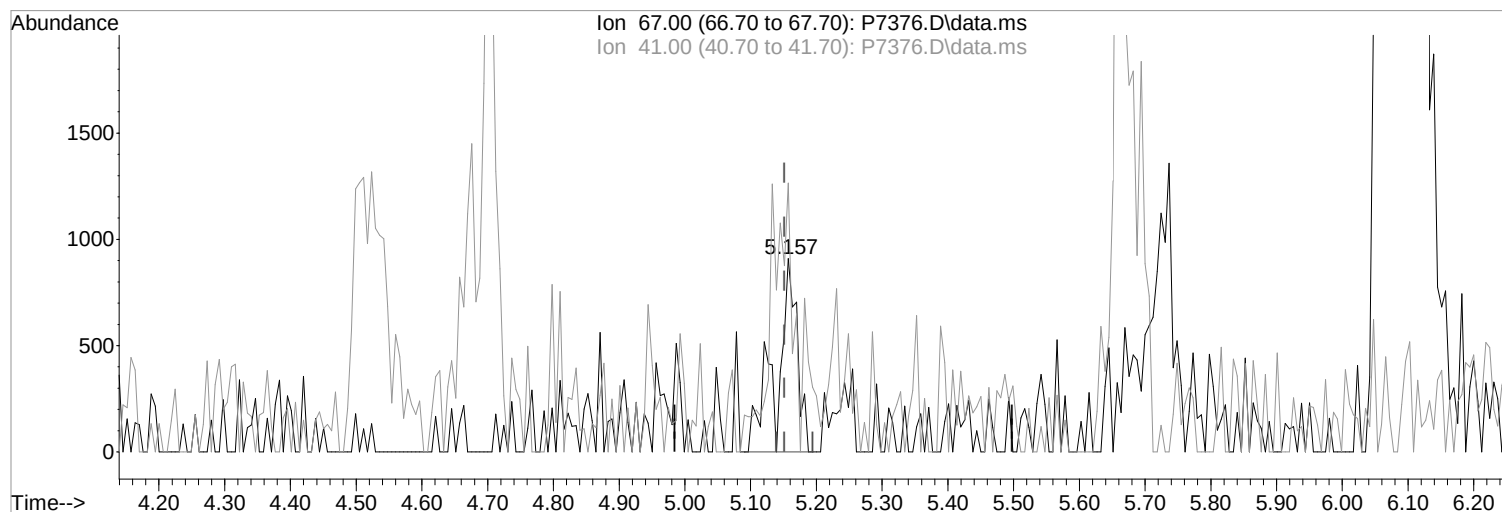
128.00 64.20 35.89#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(38) Methacrylonitrile

Manual Integration:

5.157min (+0.006) 1.24 ppb m

After

response 2018

Split Peak

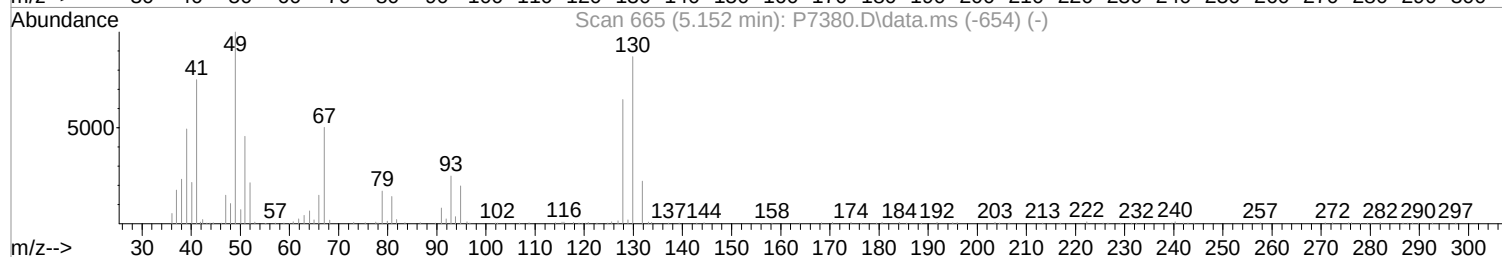
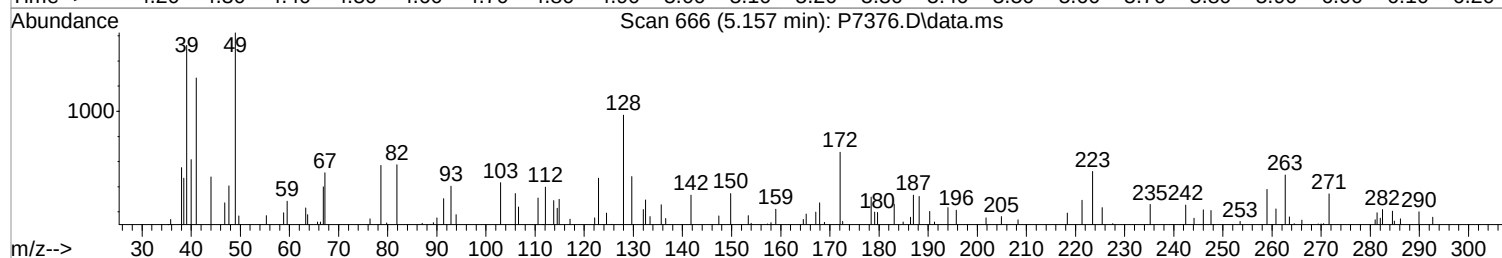
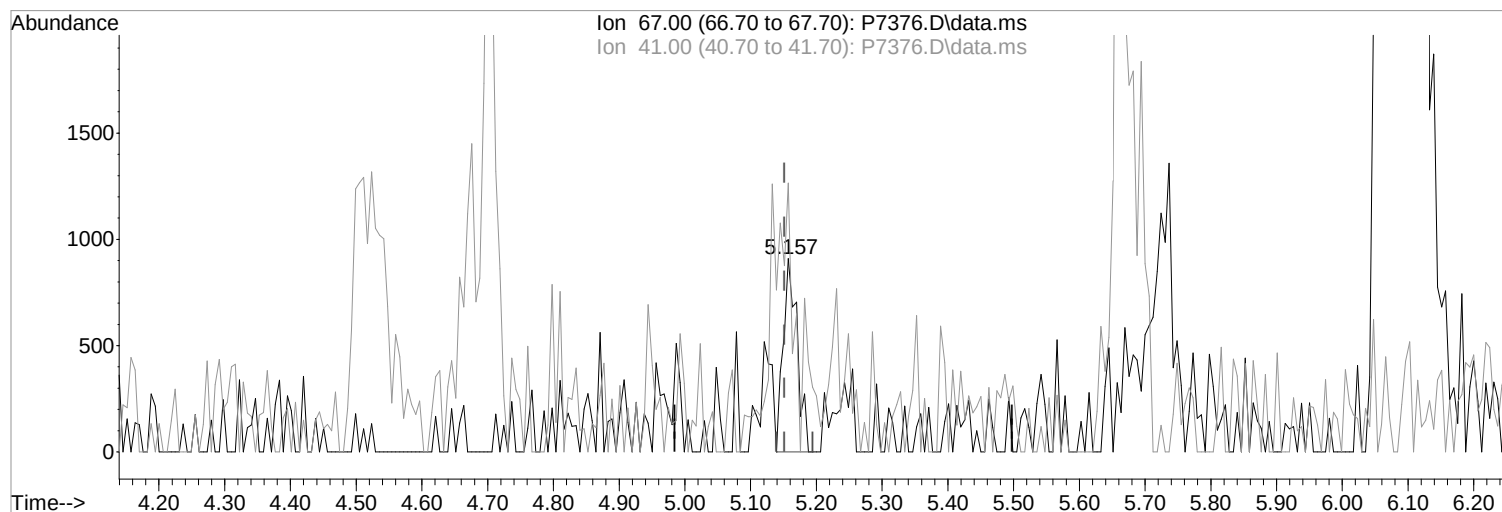
Ion	Exp%	Act%
67.00	100	100
41.00	150.60	247.55#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(38) Methacrylonitrile

Manual Integration:

5.157min (+0.006) 0.82 ppb

Before

response 1341

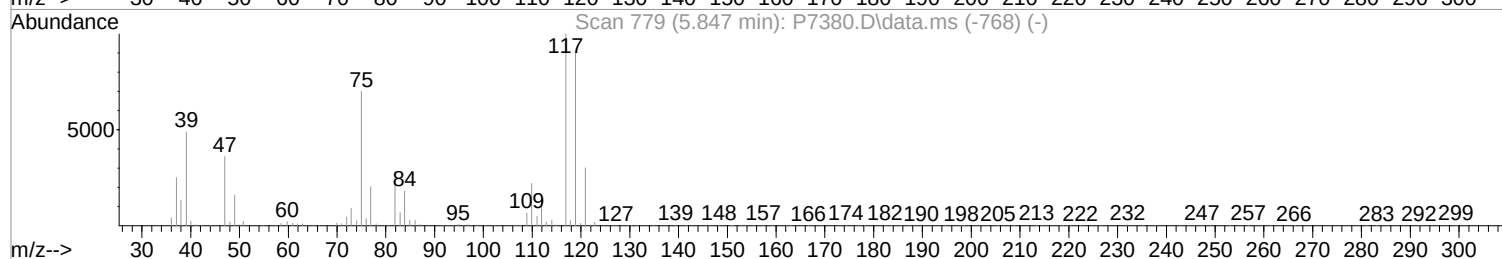
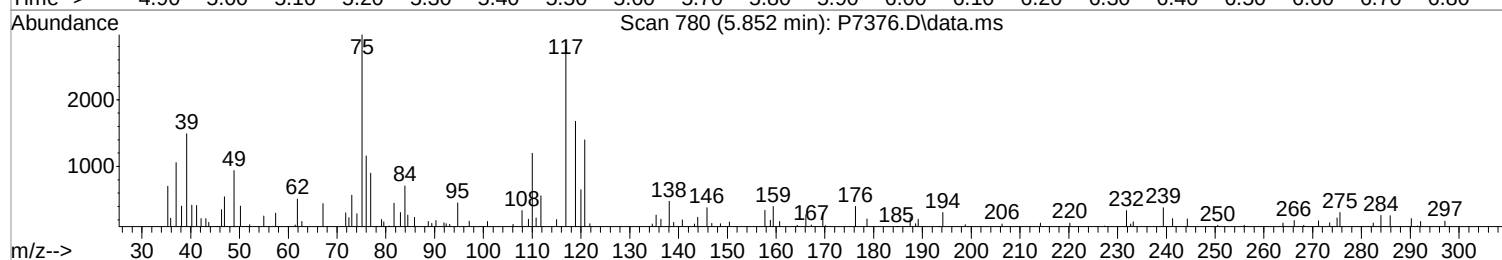
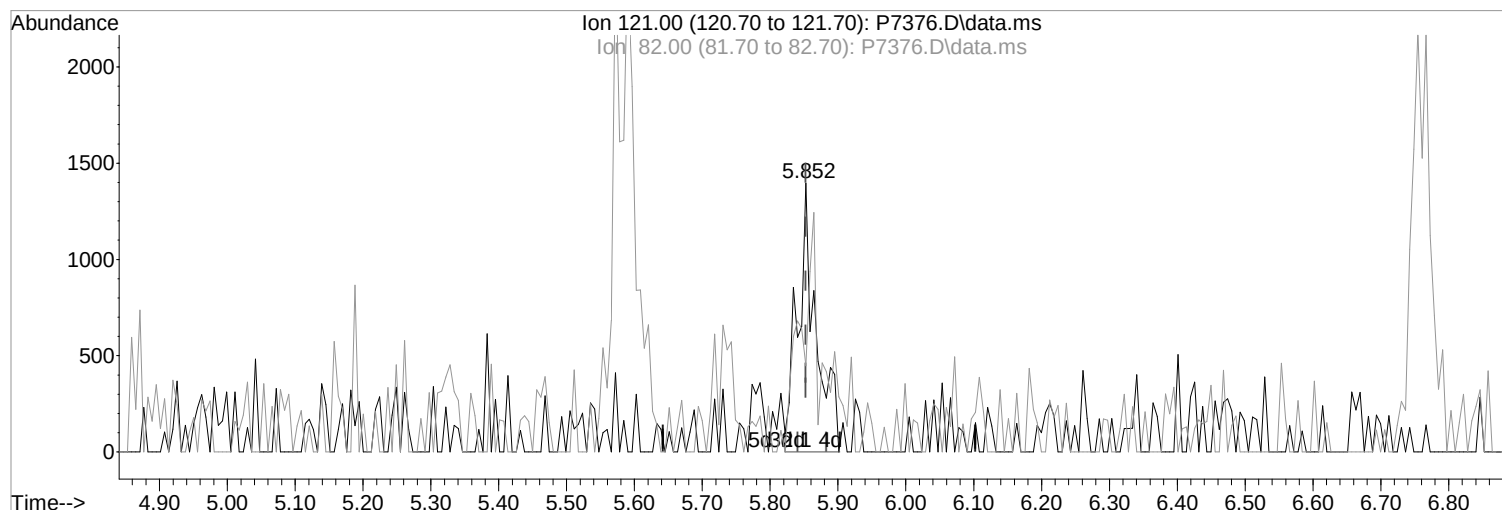
Ion	Exp%	Act%
67.00	100	100
41.00	150.60	139.16
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(46) Carbontetrachloride (P)

Manual Integration:

5.852min (+0.000) 1.16 ppb m

After

response 2625

Split Peak

Ion	Exp%	Act%

01/05/17

121.00	100	100

82.00	93.70	32.00#

0.00	0.00	0.00

0.00	0.00	0.00

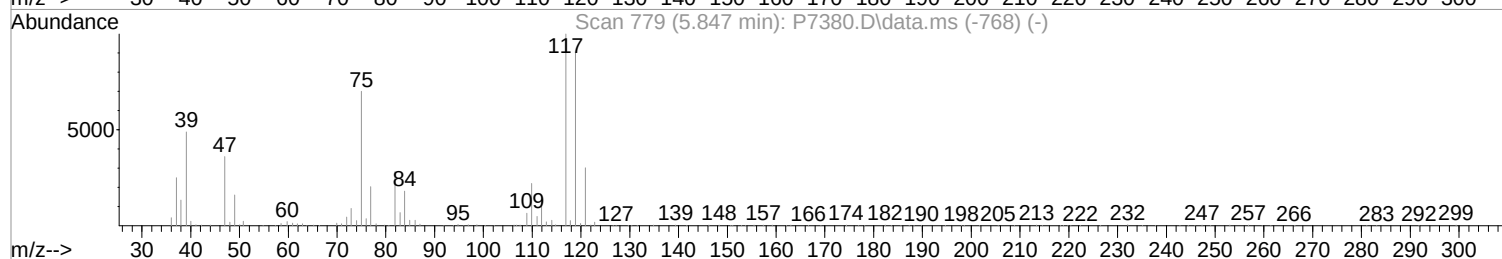
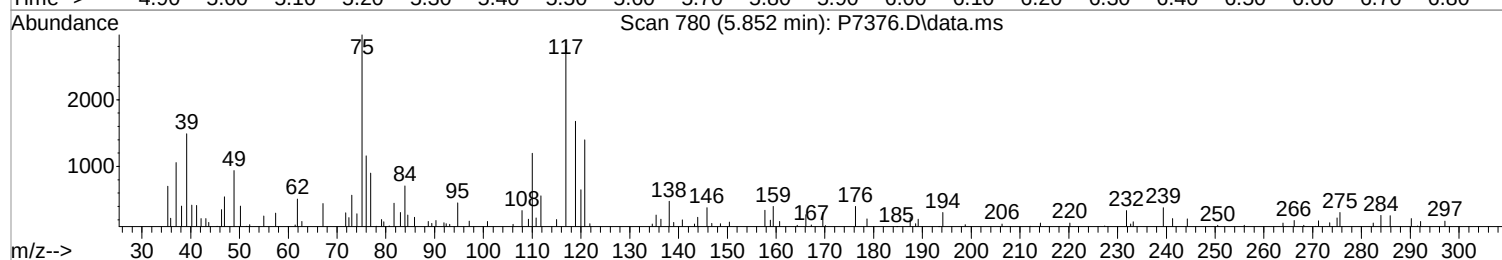
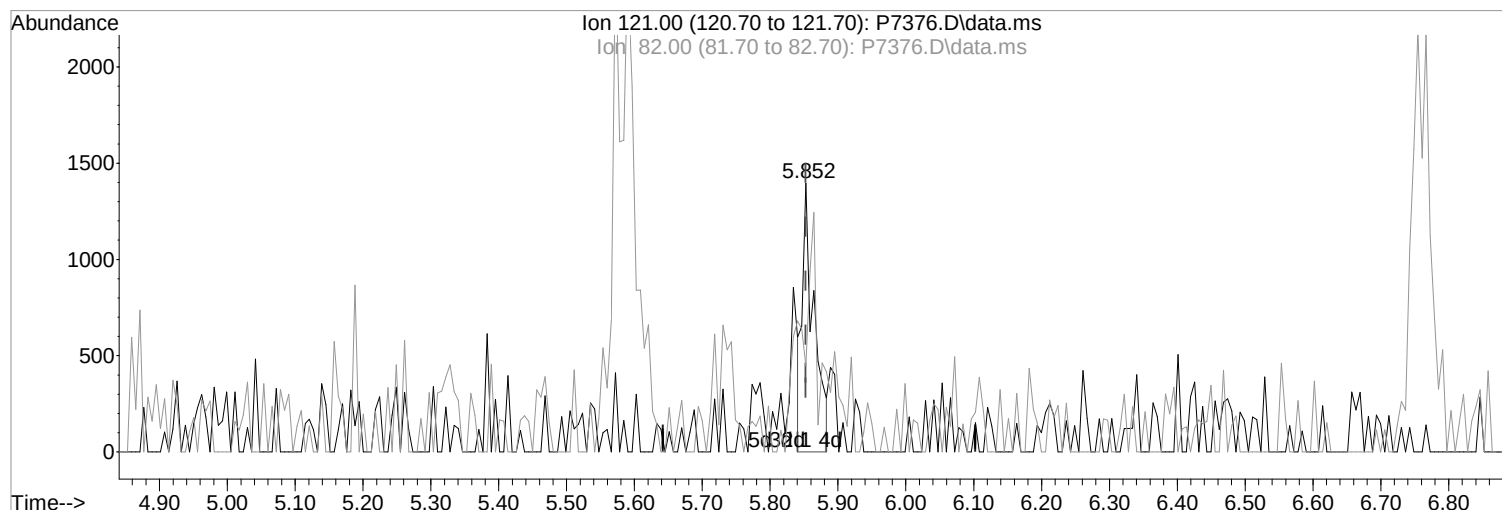
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(46) Carbontetrachloride (P)

Manual Integration:

5.852min (+0.000) 0.75 ppb

Before

response 1693

Ion	Exp%	Act%

01/05/17

121.00	100	100

82.00	93.70	32.00#

0.00	0.00	0.00

0.00	0.00	0.00

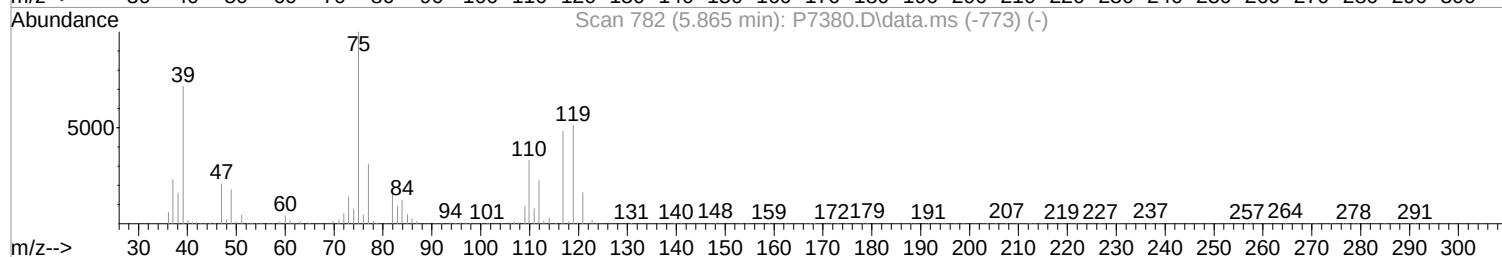
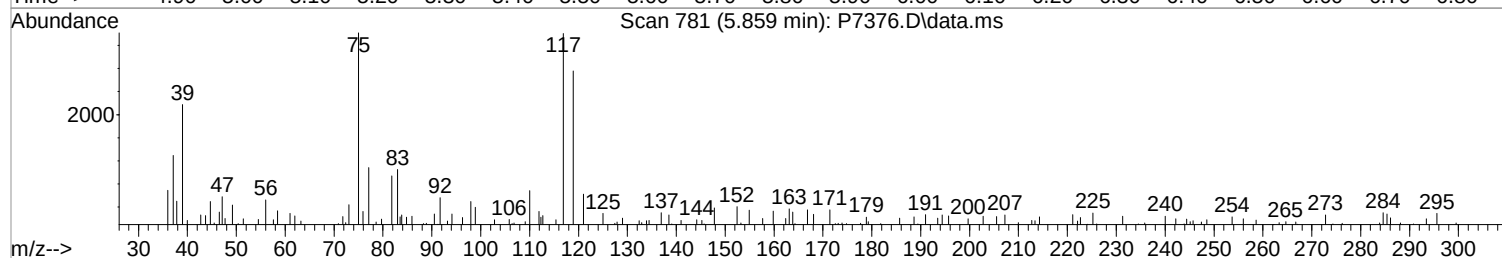
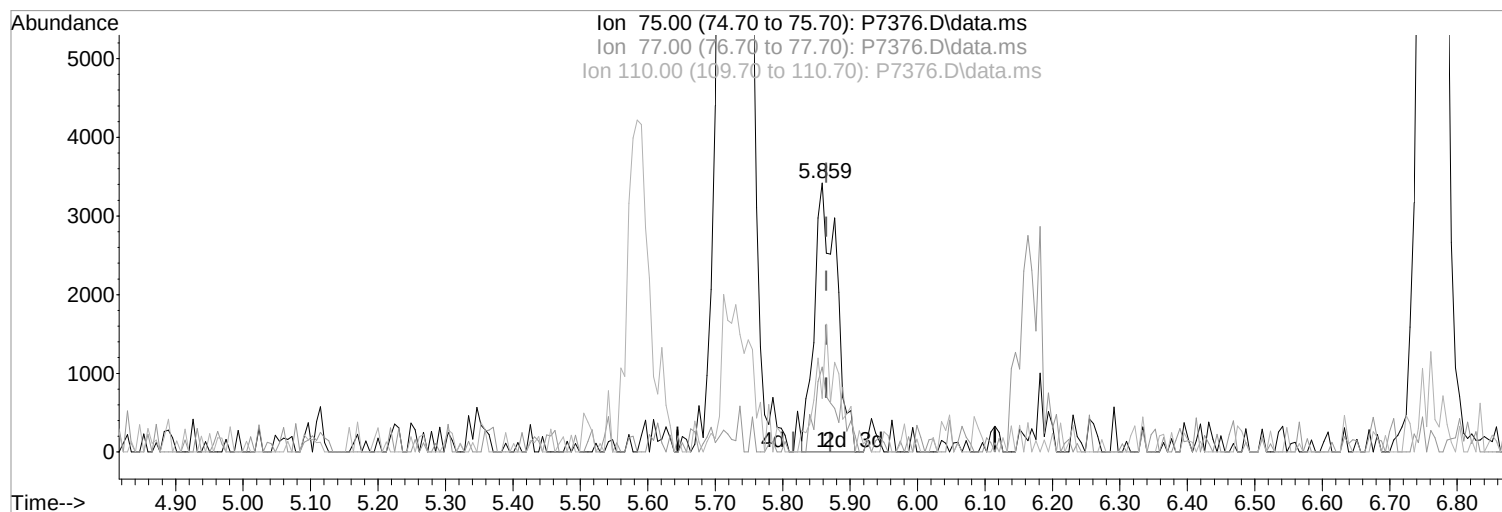
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(47) 1,1-Dichloropropene

5.859min (-0.006) 0.96 ppb m

response 7733

Ion	Exp%	Act%
75.00	100	100
77.00	30.90	31.62
110.00	33.10	19.98
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

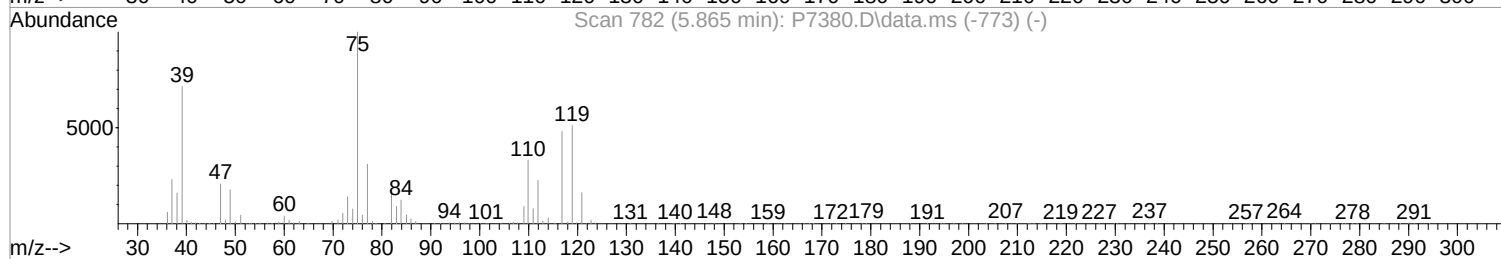
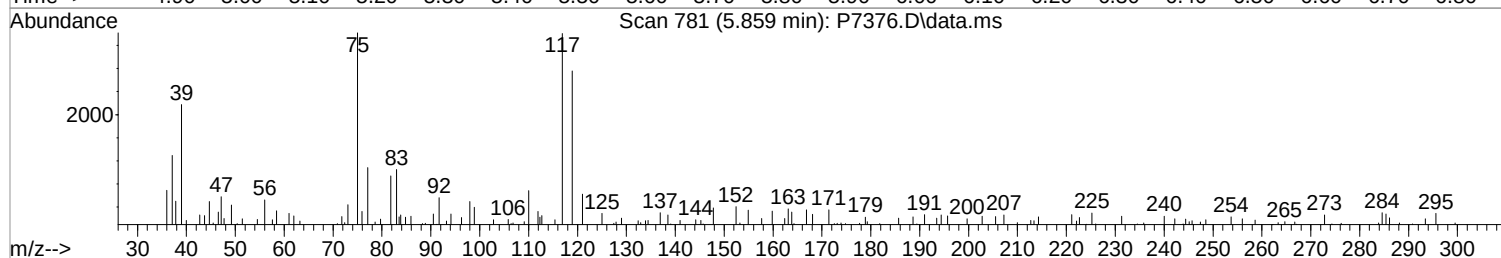
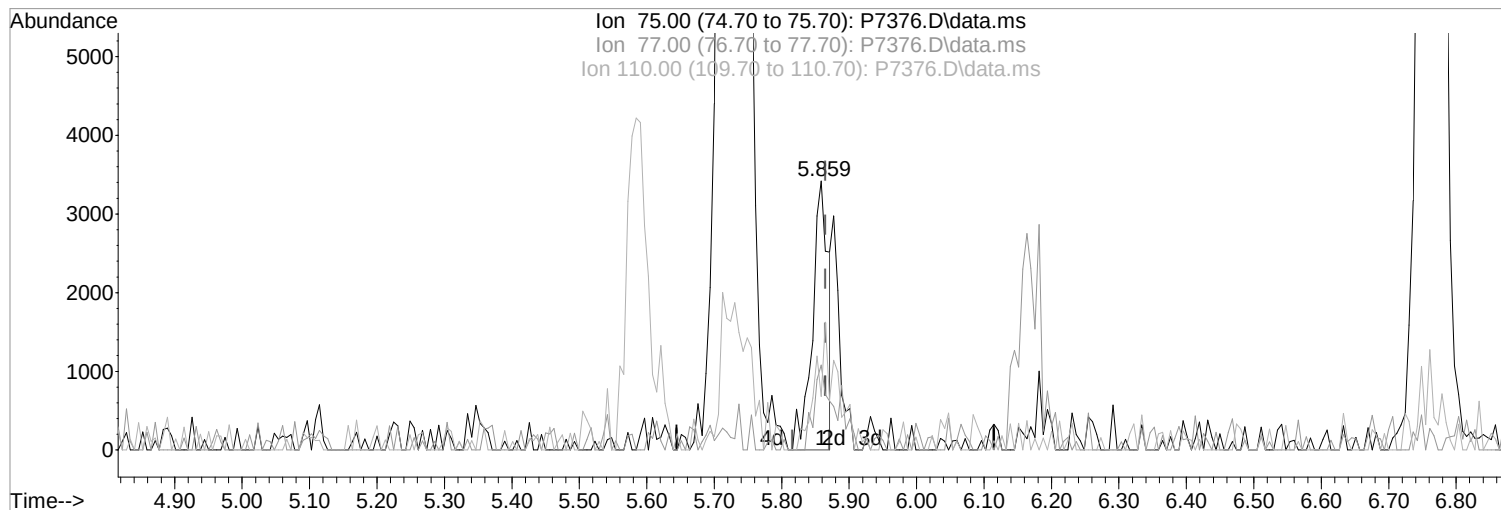
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(47) 1,1-Dichloropropene
5.859min (-0.006) 0.68 ppb
response 5514

Manual Integration:

Before

01/05/17

Ion	Exp%	Act%
75.00	100	100
77.00	30.90	31.62
110.00	33.10	19.98
0.00	0.00	0.00

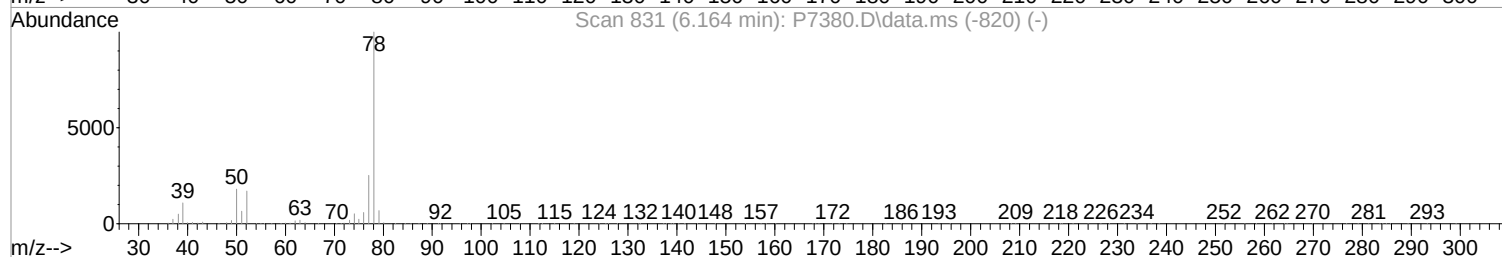
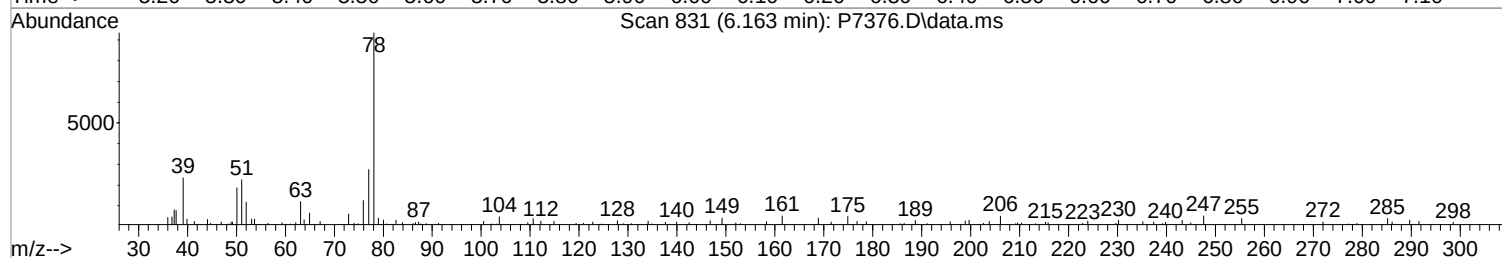
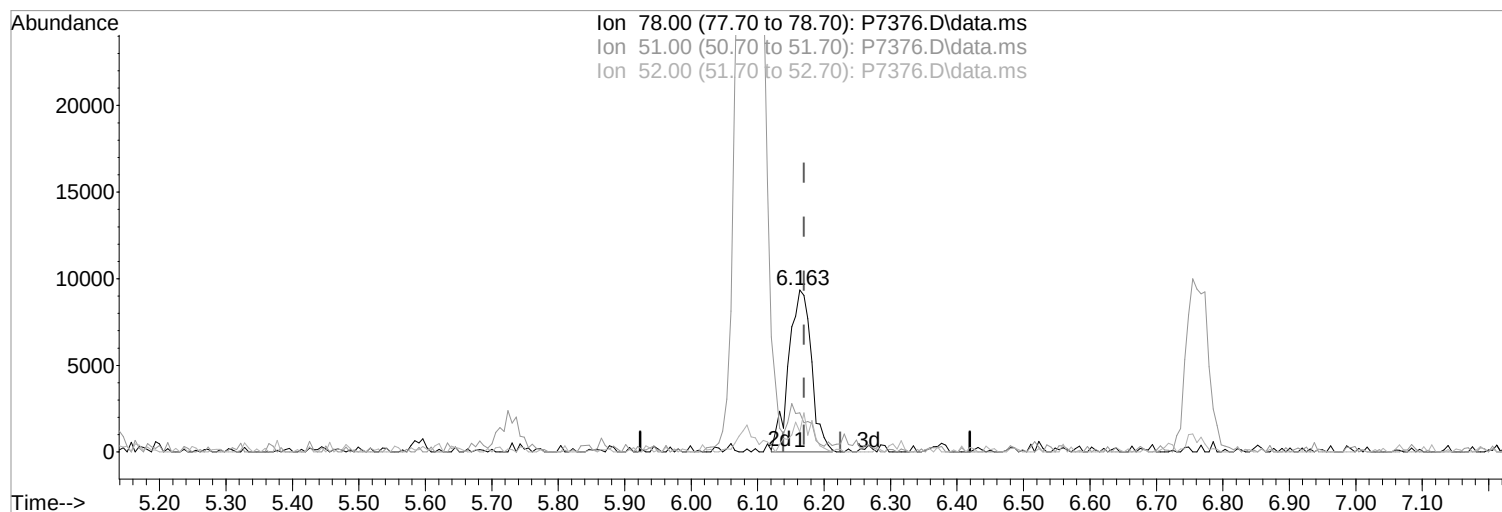
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(49) Benzene (P)

6.163min (-0.006) 1.03 ppb m

response 22254

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	24.17
52.00	16.90	12.58
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

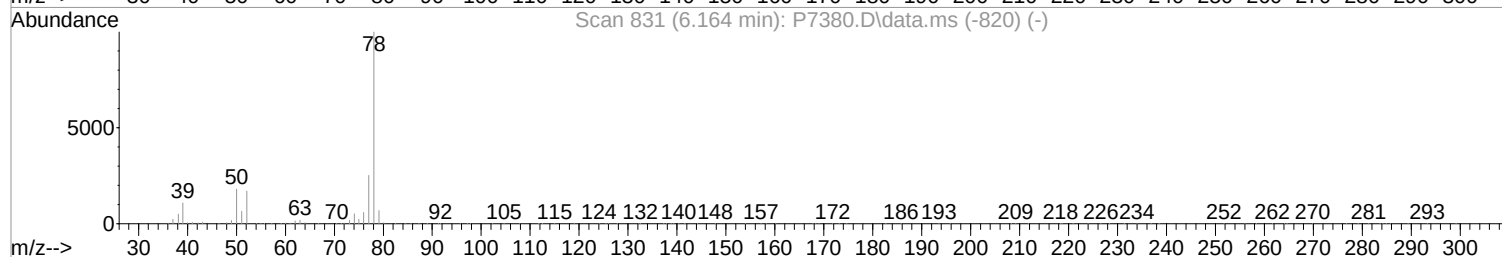
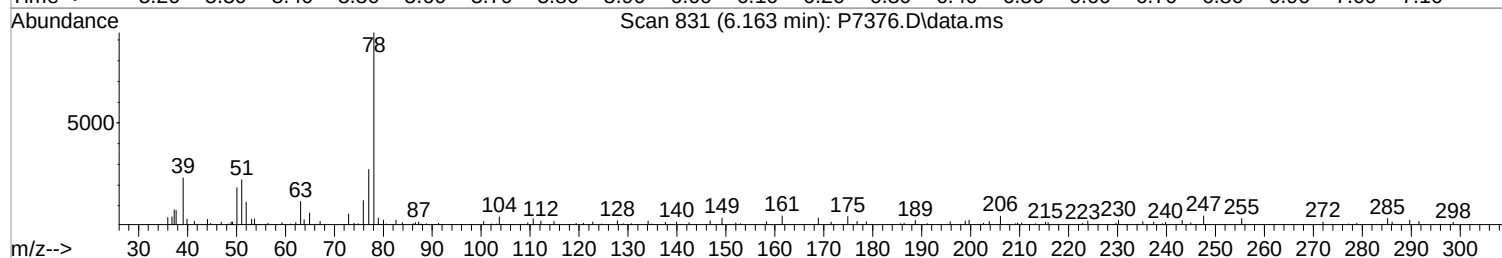
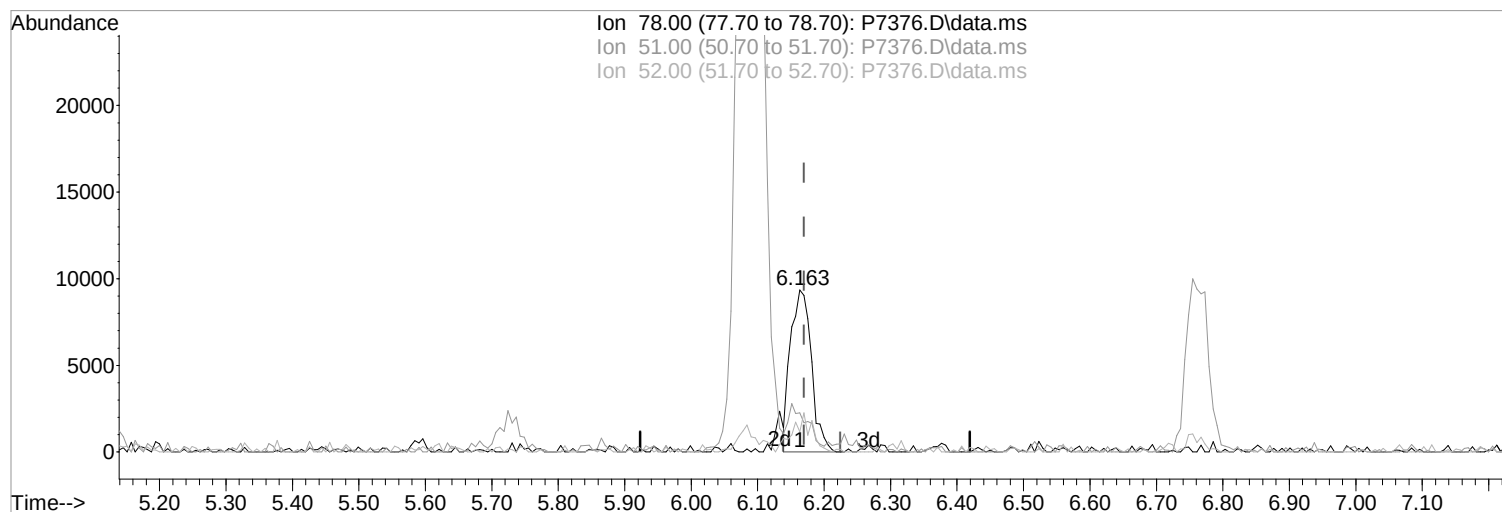
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(49) Benzene (P)

Manual Integration:

6.163min (-0.006) 0.95 ppb

Before

response 20455

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	24.17
52.00	16.90	12.58
0.00	0.00	0.00

01/05/17

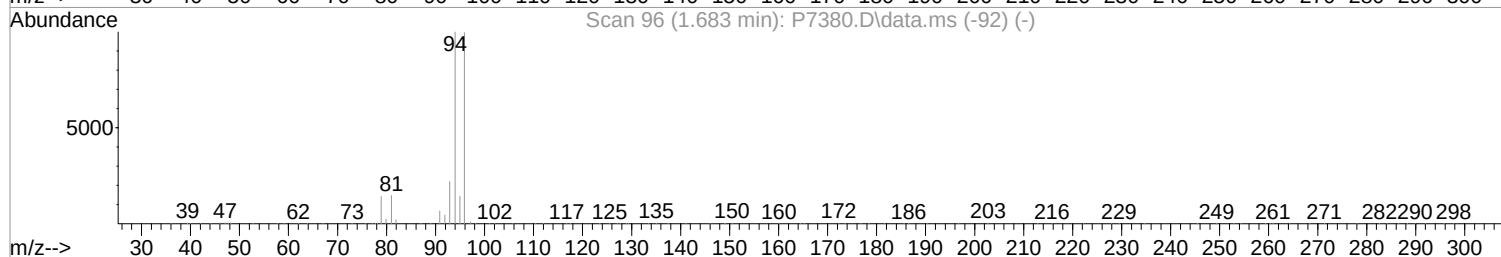
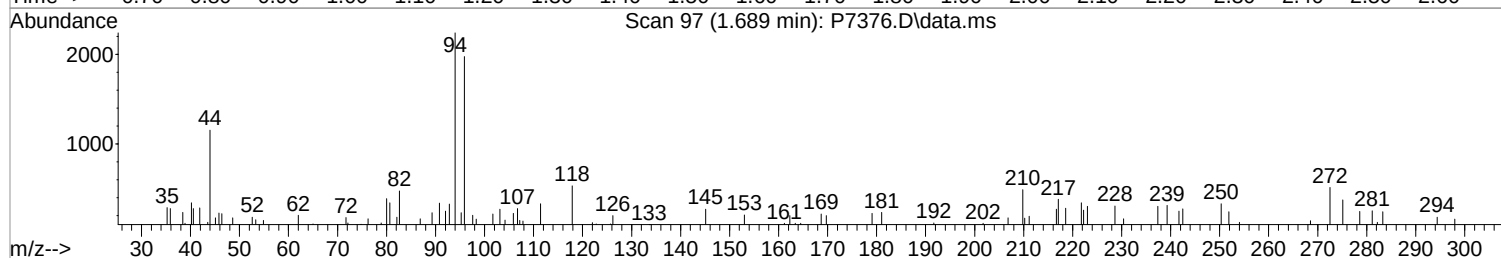
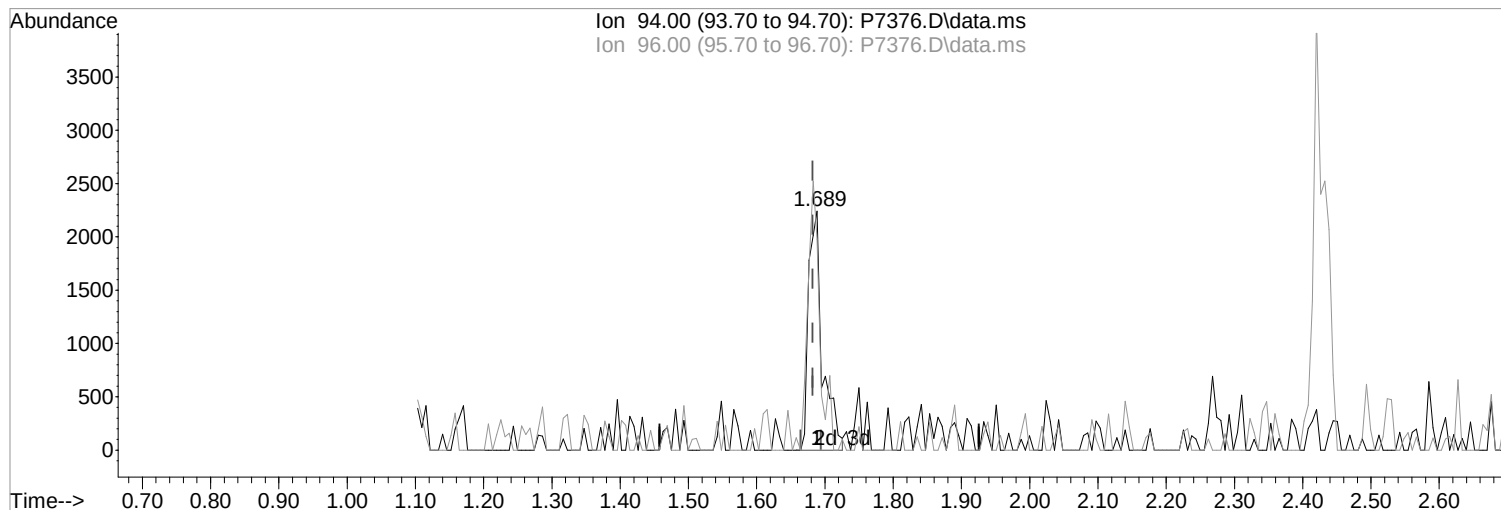
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(5) Bromomethane (P)

1.689min (+0.006) 0.85 ppb m

response 3177

Ion	Exp%	Act%
94.00	100	100
96.00	99.40	88.18
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

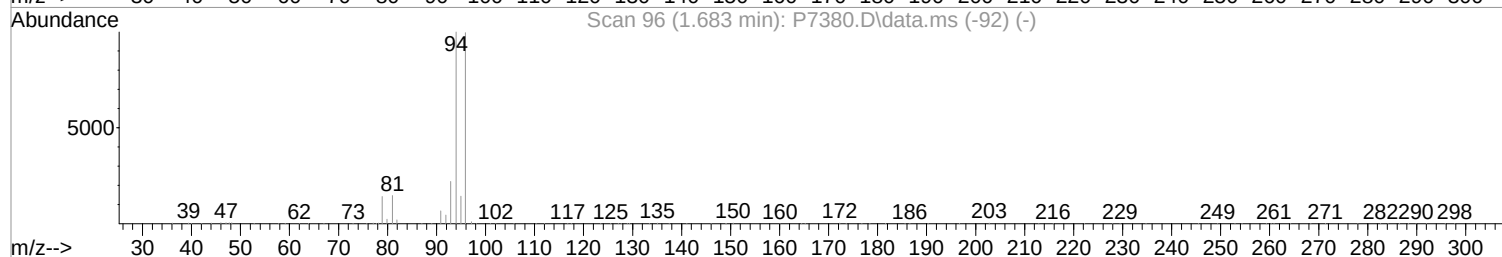
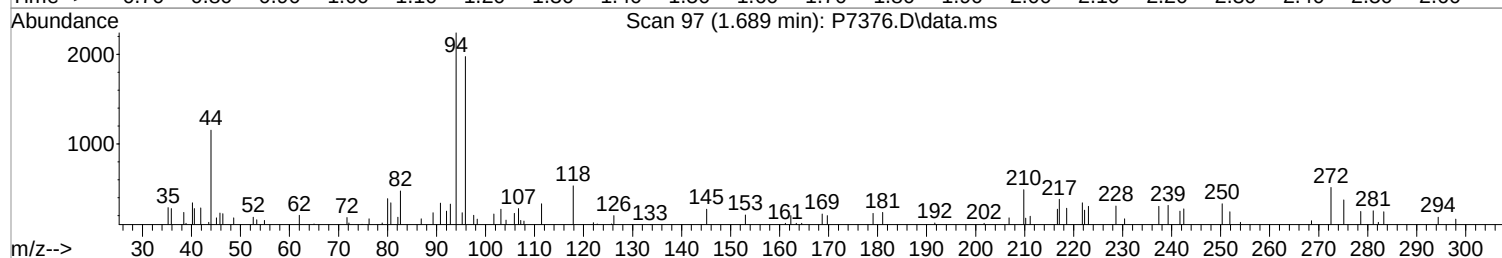
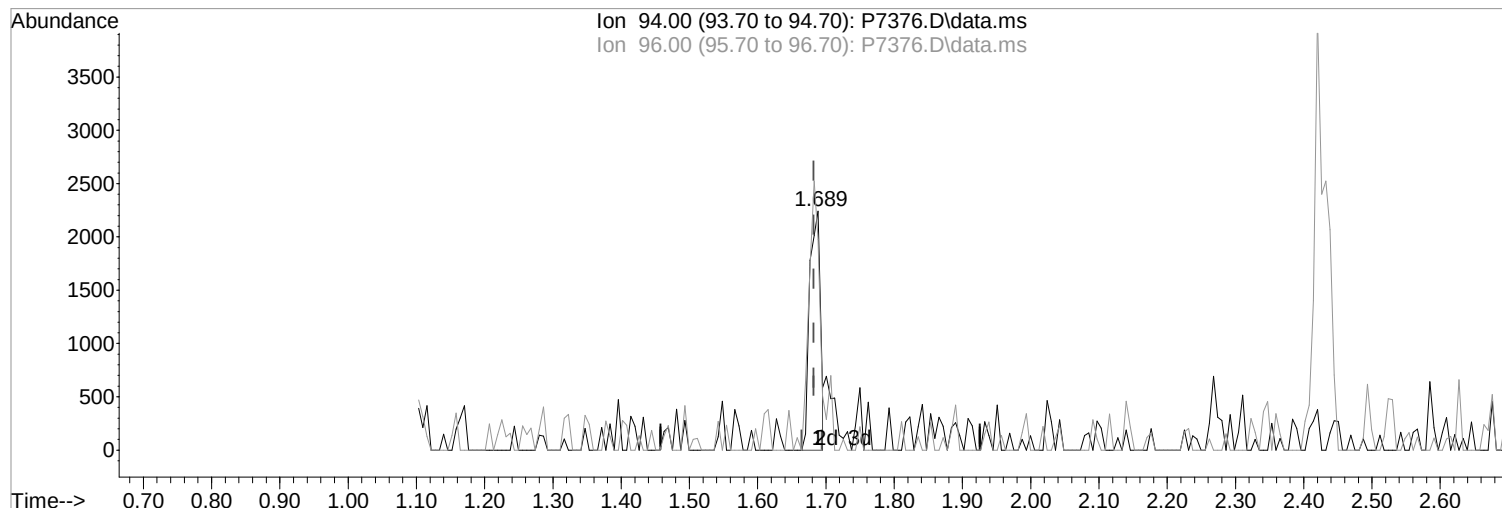
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(5) Bromomethane (P)

Manual Integration:

1.689min (+0.006) 0.66 ppb

Before

response 2478

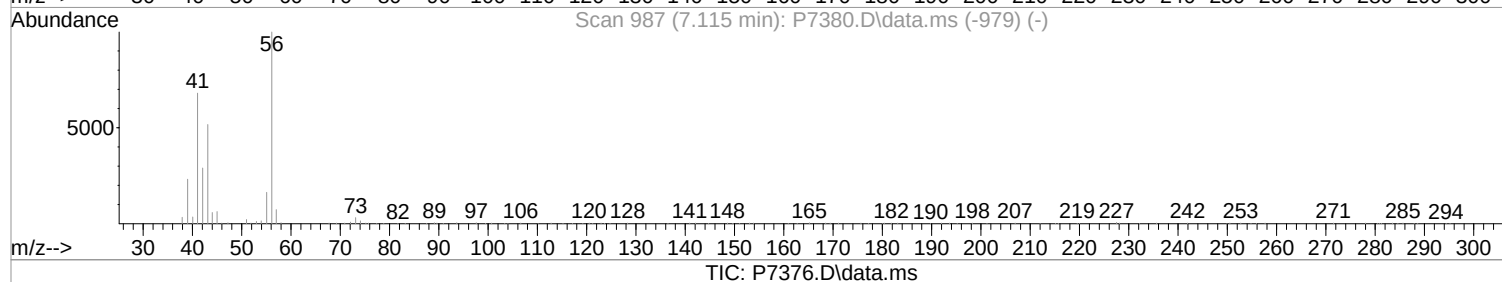
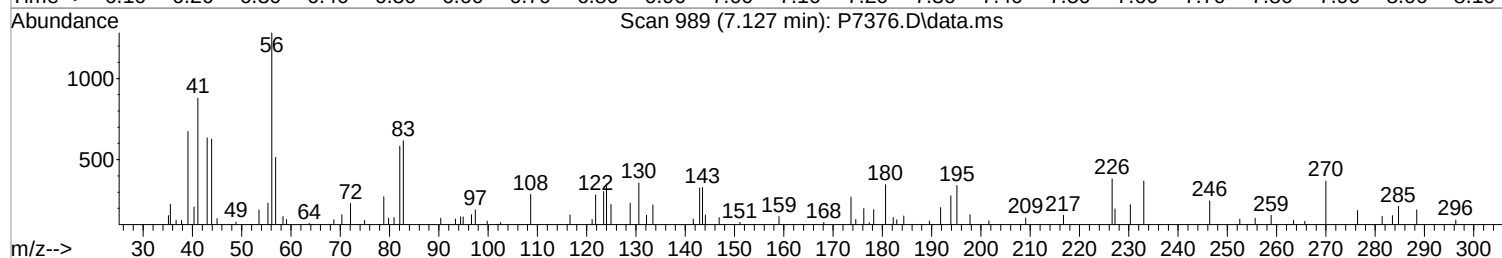
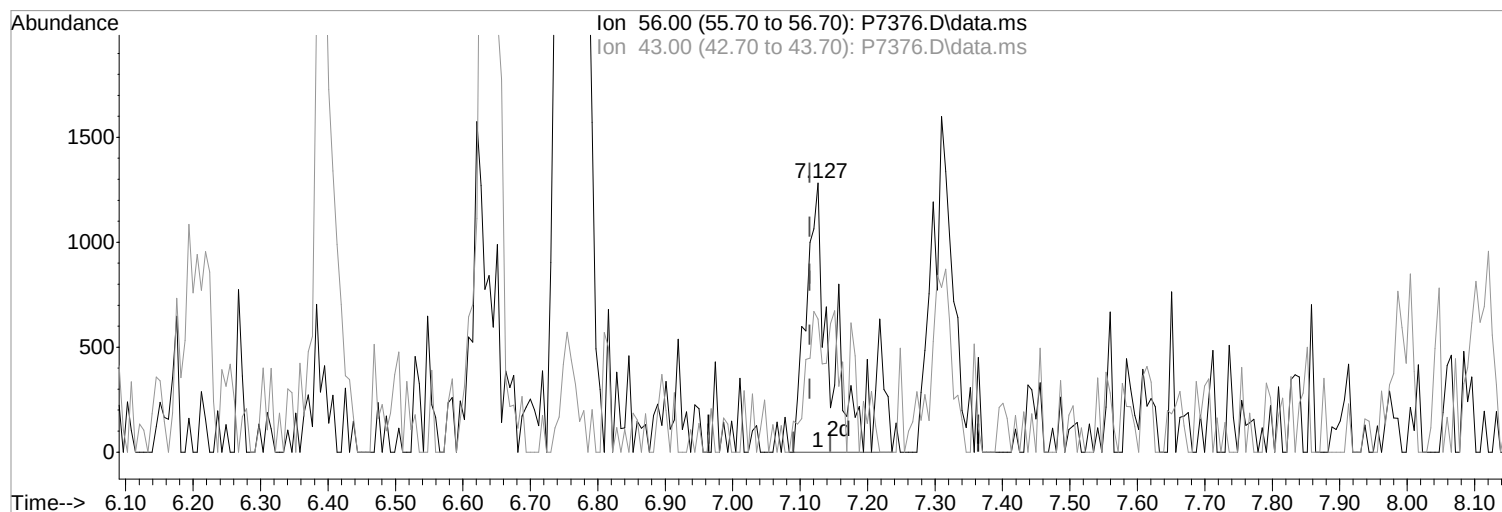
Ion	Exp%	Act%
94.00	100	100
96.00	99.40	88.18
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(53) 1-Butanol

Manual Integration:

7.127min (+0.012) 49.69 ppb m

After

response 3768

Split Peak

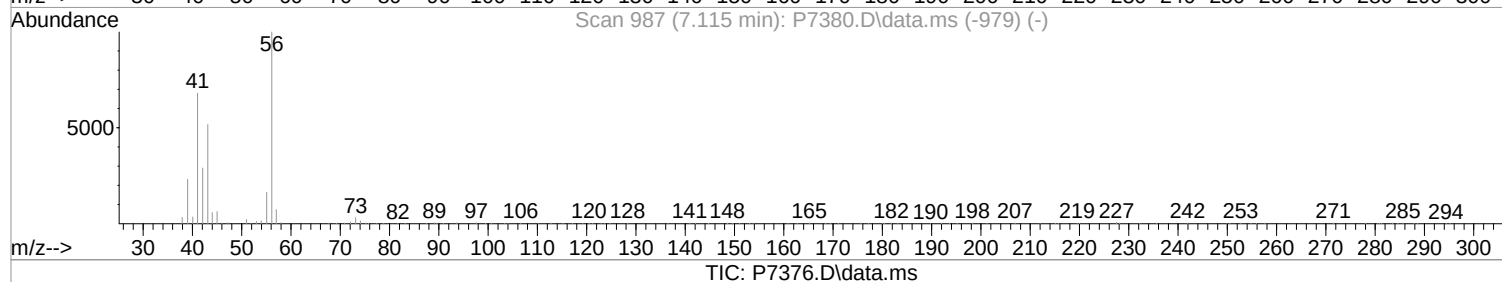
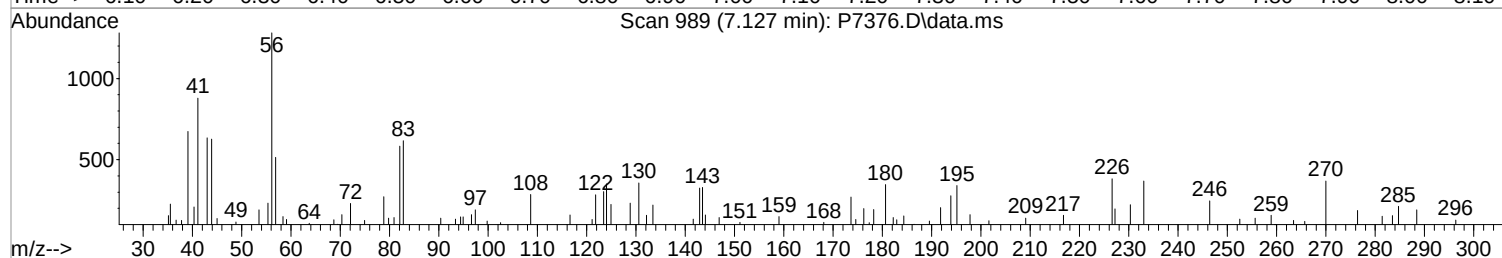
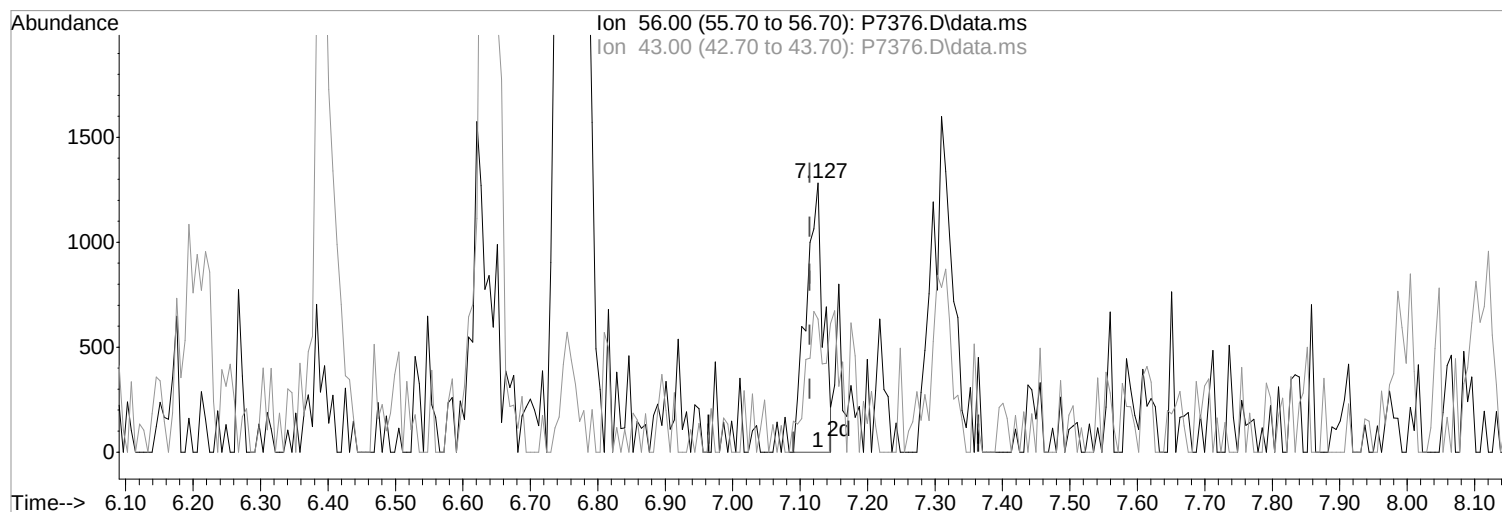
Ion	Exp%	Act%
56.00	100	100
43.00	57.60	29.67#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(53) 1-Butanol

Manual Integration:

7.127min (+0.012) 29.83 ppb

Before

response 2262

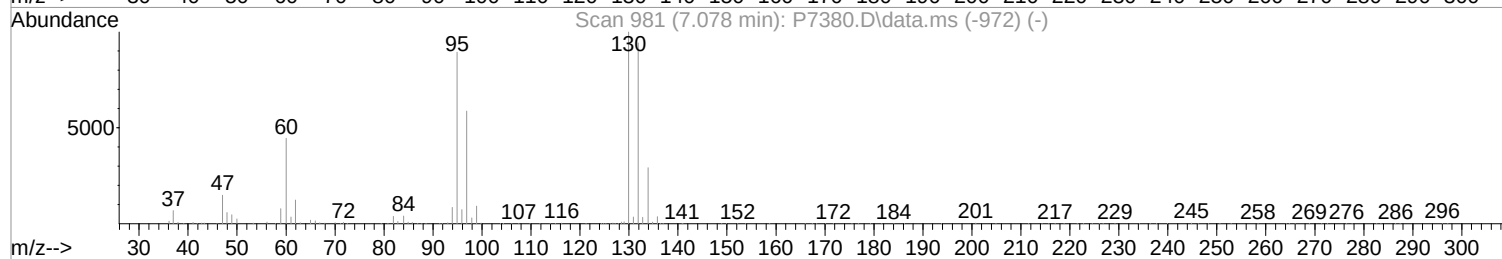
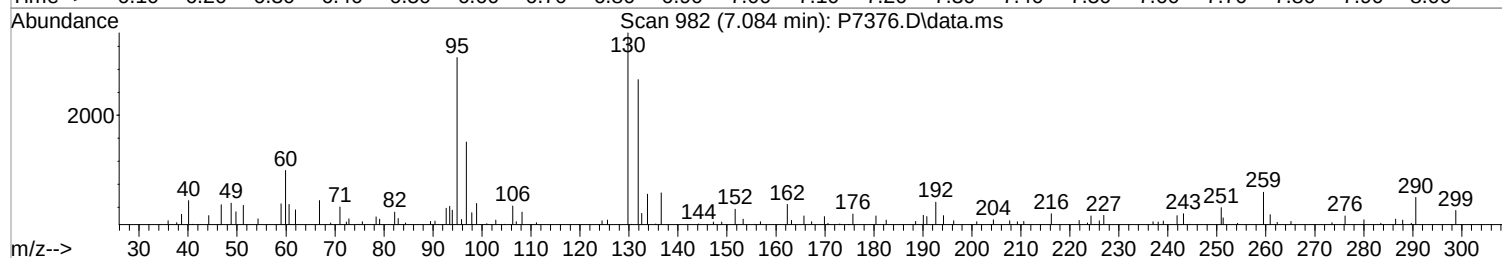
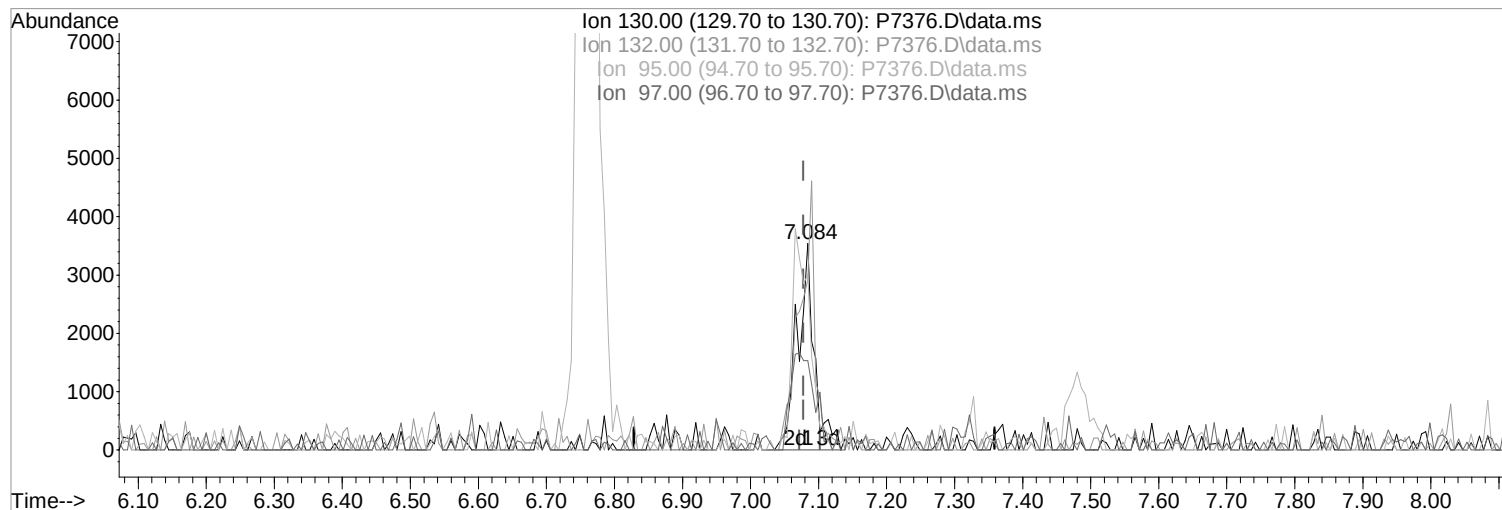
Ion	Exp%	Act%
56.00	100	100
43.00	57.60	49.43
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(54) Trichloroethene (P)

Manual Integration:

7.084min (+0.006) 1.00 ppb m

After

response 6245

Split Peak

Ion Exp% Act%

01/05/17

130.00	100	100
132.00	94.20	76.31
95.00	89.40	87.49
97.00	58.80	44.64

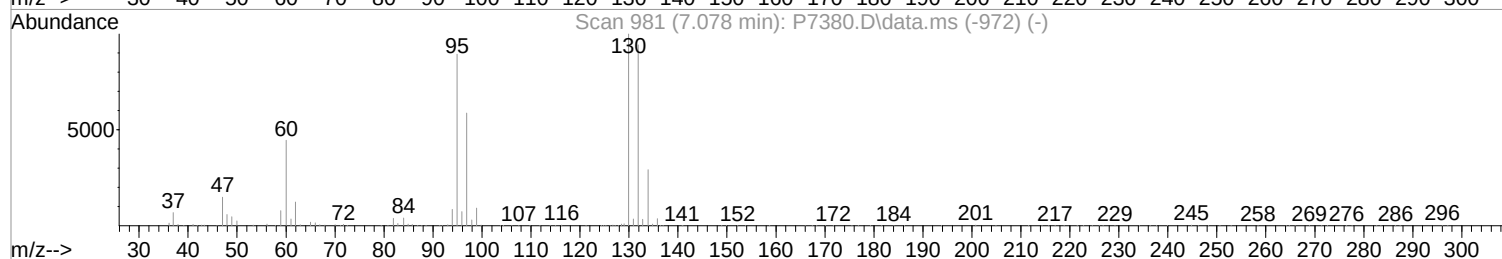
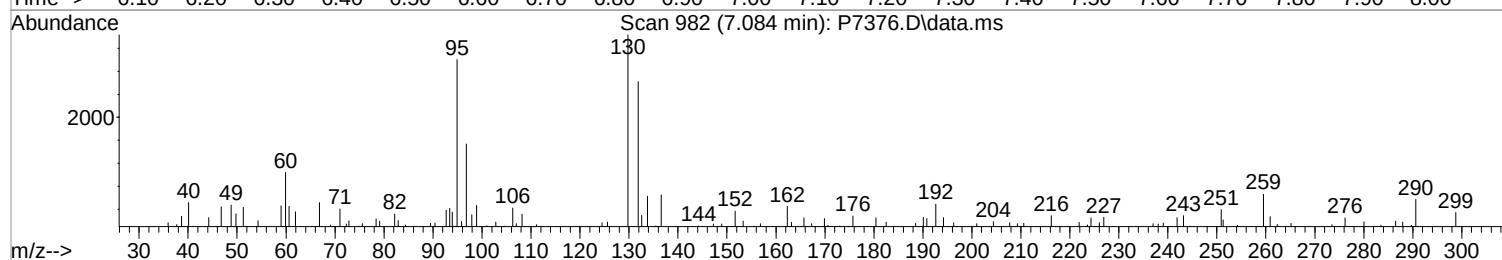
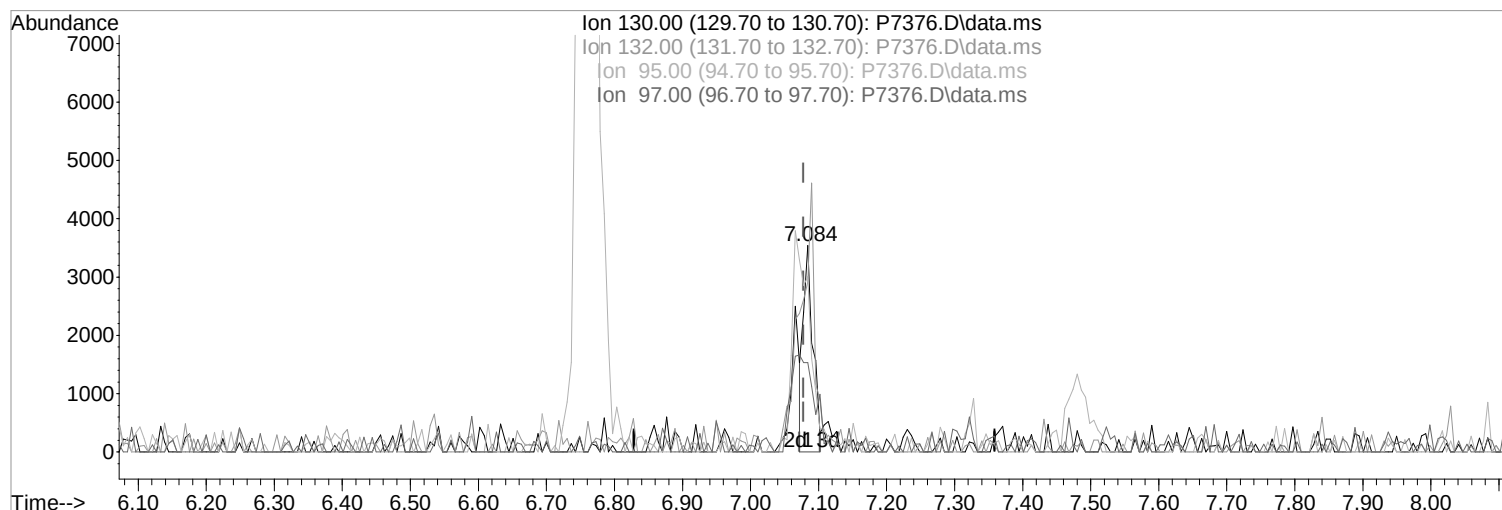
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(54) Trichloroethene (P)

Manual Integration:

7.084min (+0.006) 0.57 ppb

Before

response 3544

Ion Exp% Act%

01/05/17

130.00	100	100
132.00	94.20	82.32
95.00	89.40	84.92
97.00	58.80	43.33

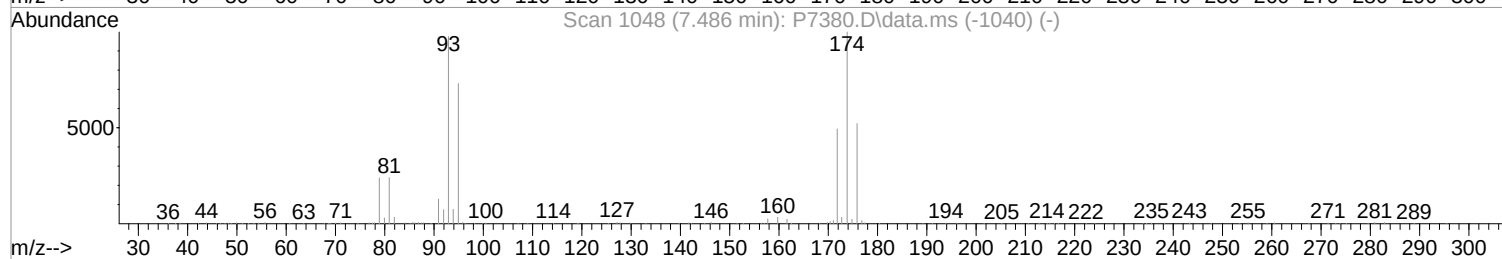
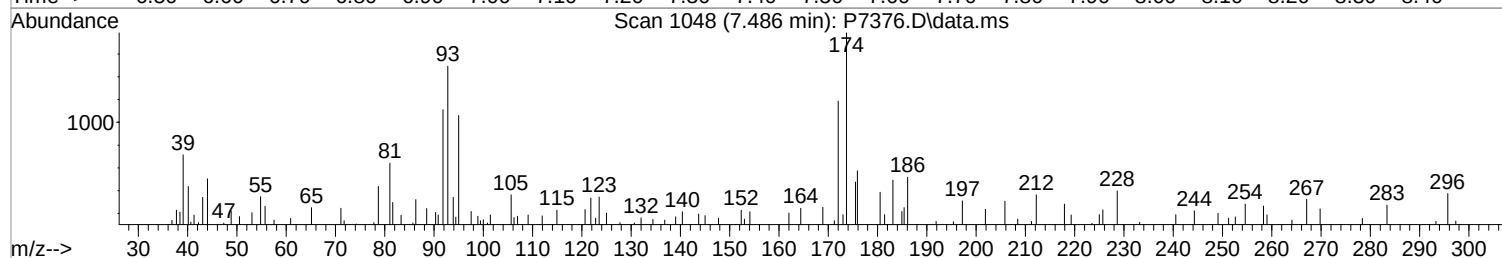
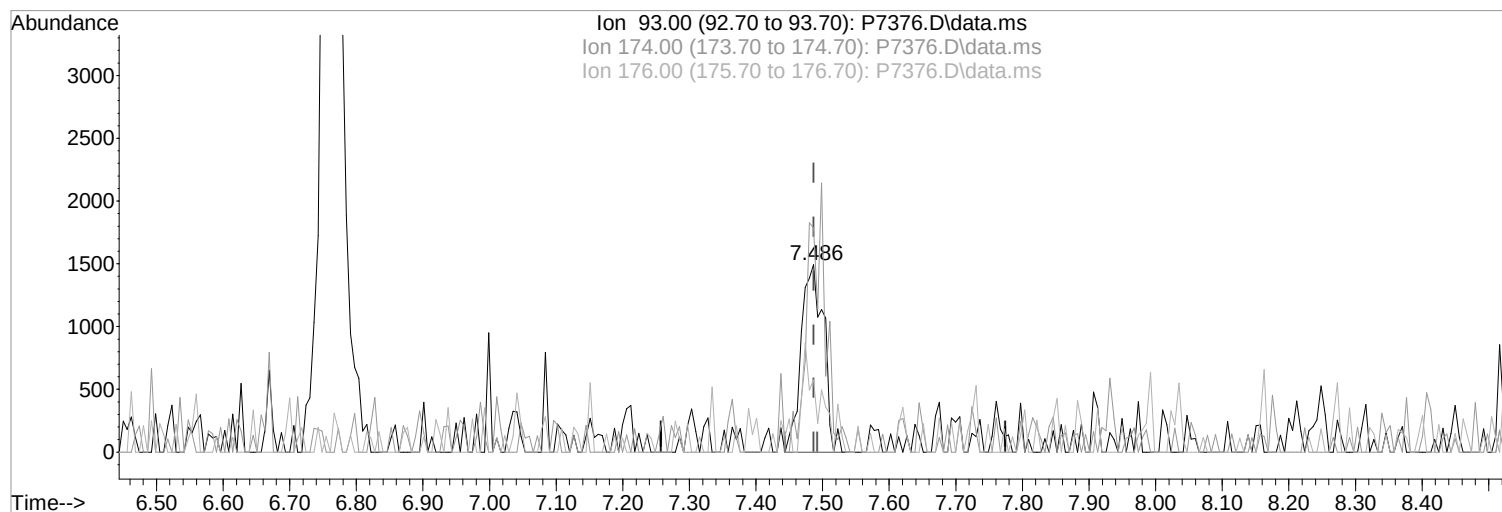
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(57) Dibromomethane

Manual Integration:

7.486min (0.000) 1.13 ppb m

After

response 3487

Split Peak

Ion Exp% Act%

01/05/17

93.00 100 100

174.00 102.80 119.61

176.00 53.50 38.42

0.00 0.00 0.00

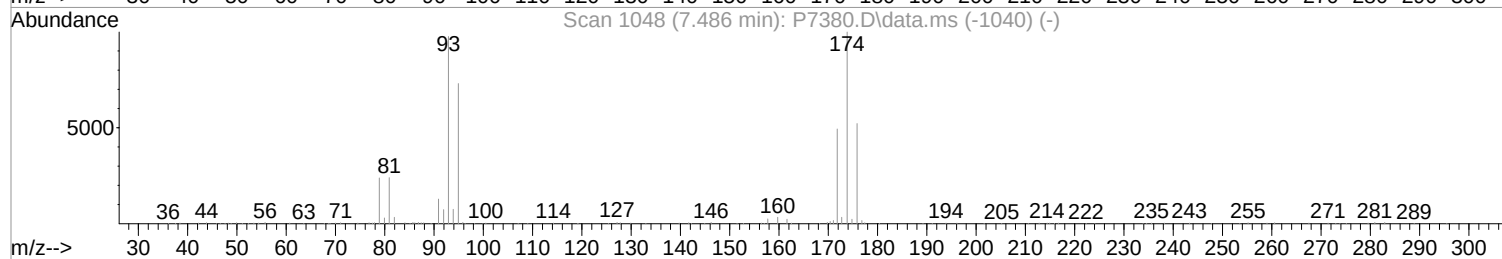
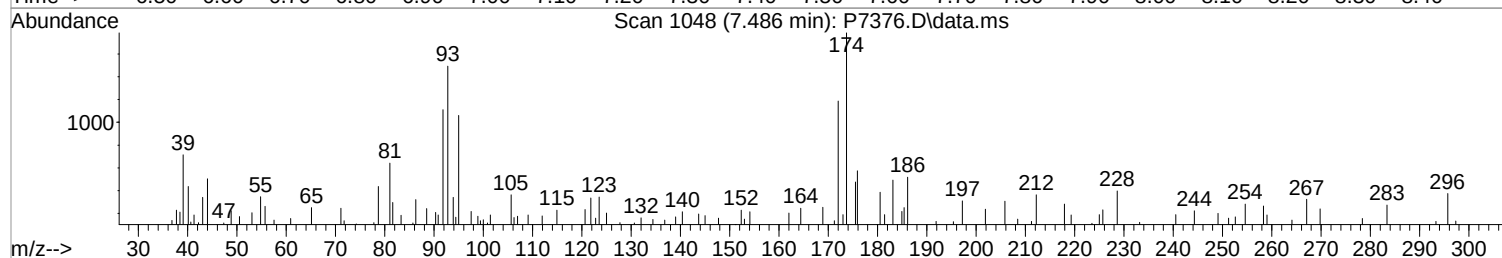
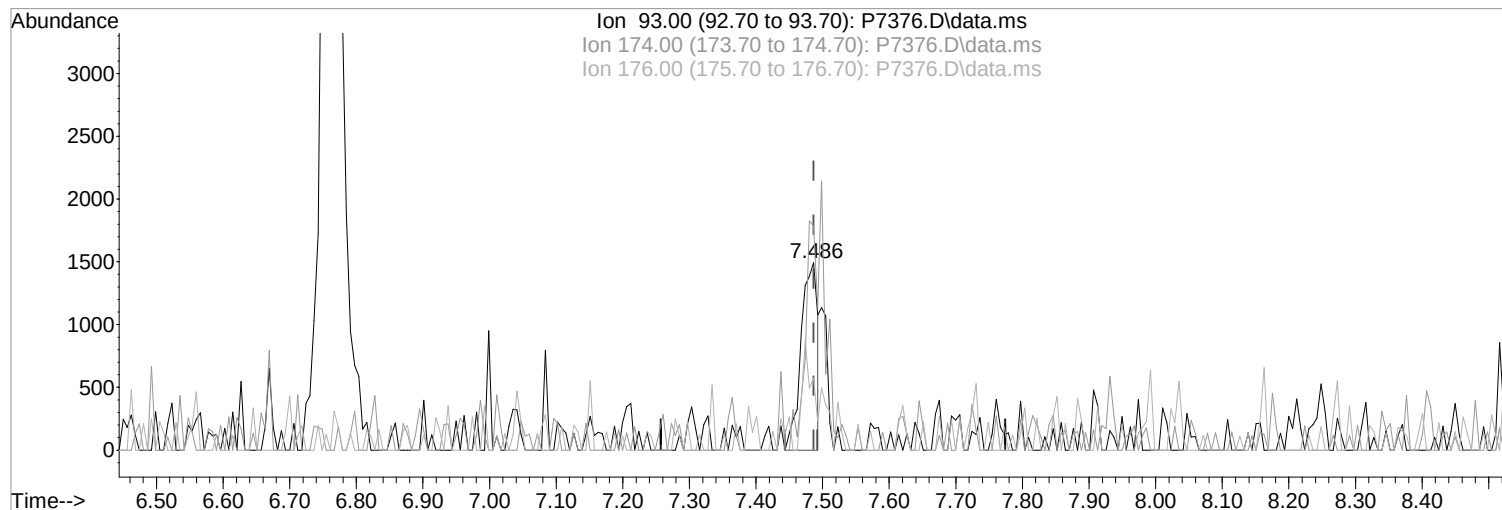
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(57) Dibromomethane

Manual Integration:

7.486min (0.000) 0.82 ppb

Before

response 2535

Ion	Exp%	Act%

01/05/17

93.00	100	100

174.00	102.80	119.61

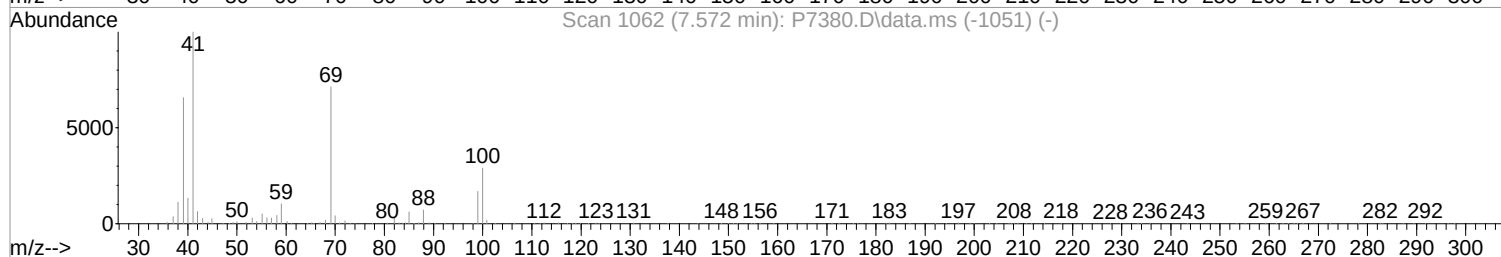
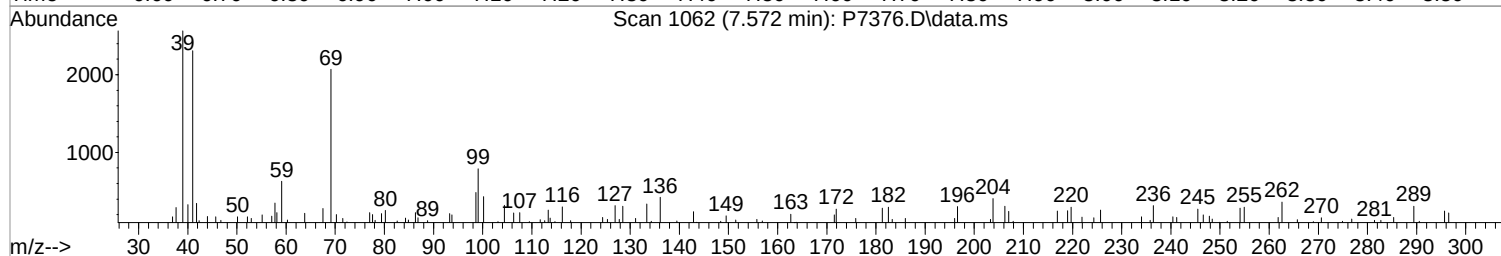
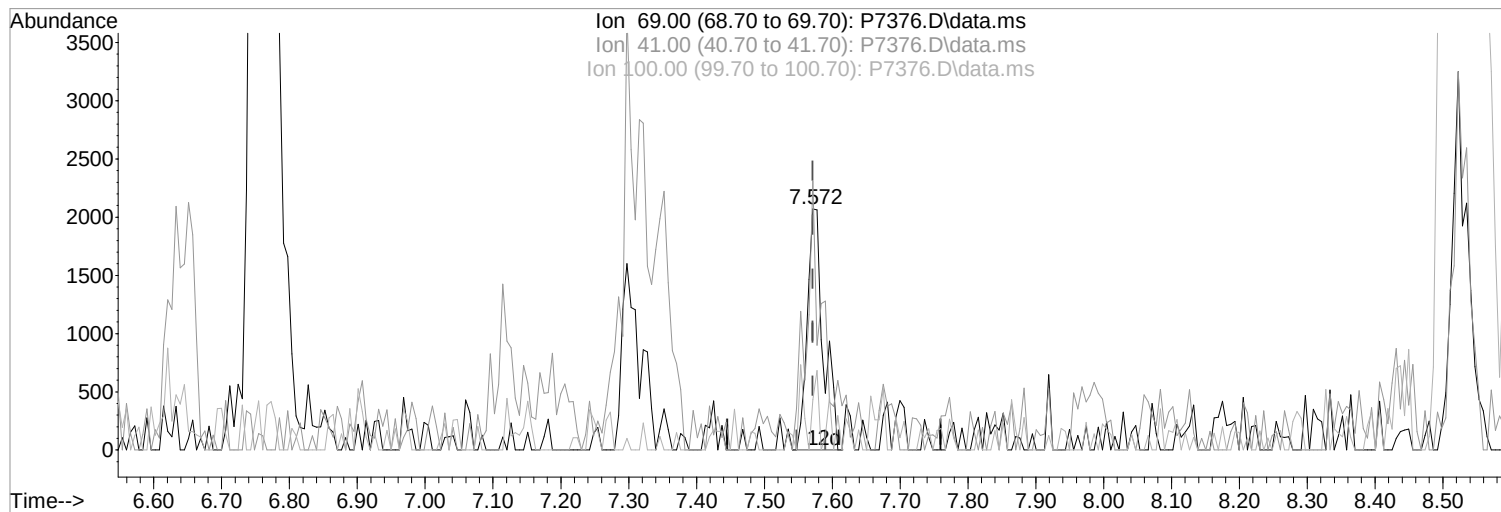
176.00	53.50	38.42

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(59) Methyl Methacrylate

Manual Integration:

7.572min (0.000) 1.18 ppb m

After

response 3440

Split Peak

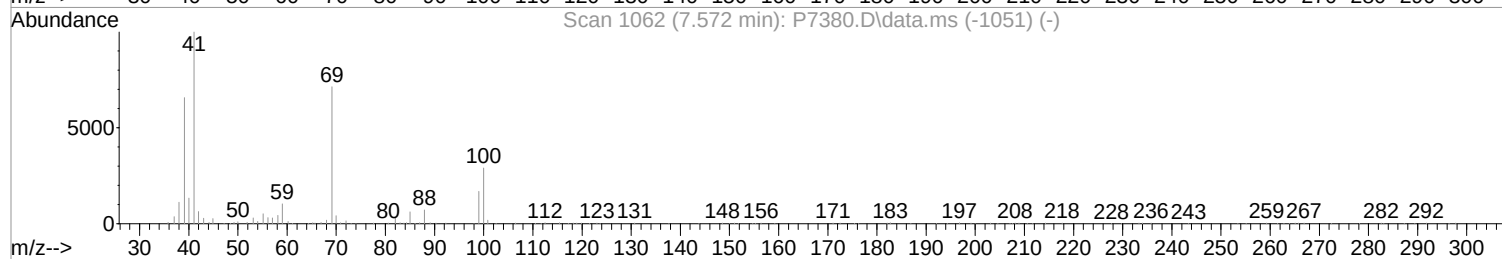
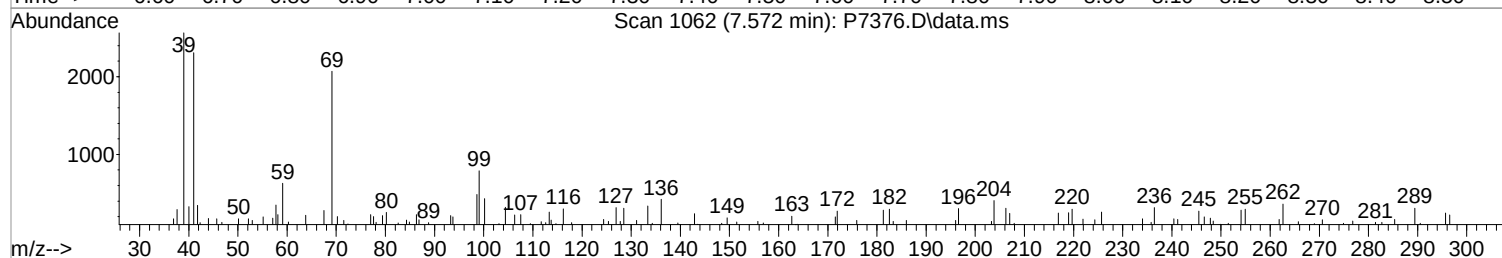
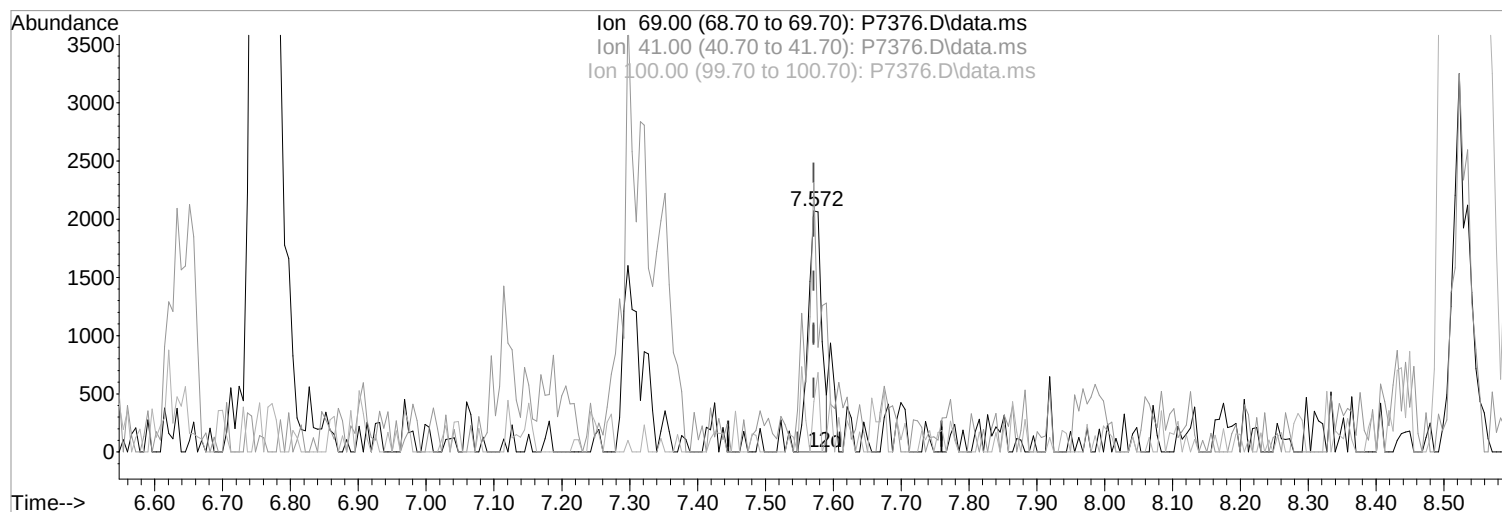
Ion	Exp%	Act%
69.00	100	100
41.00	141.20	111.59#
100.00	40.80	20.92
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(59) Methyl Methacrylate

Manual Integration:

7.572min (0.000) 0.99 ppb

Before

response 2901

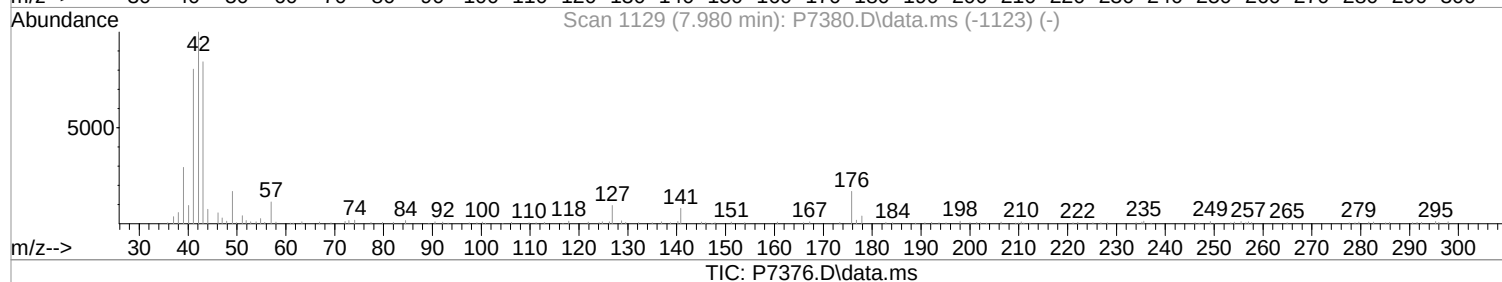
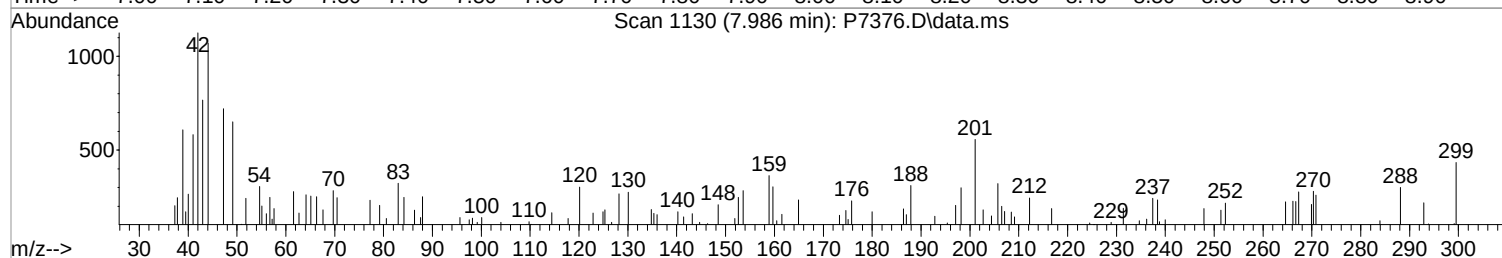
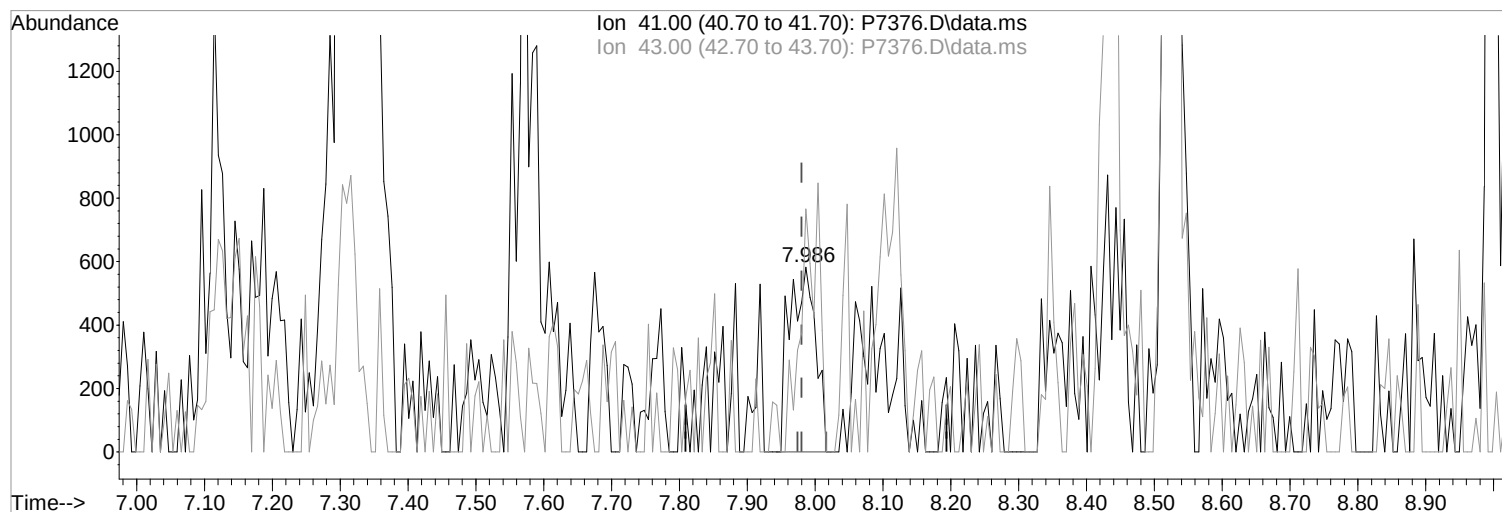
Ion	Exp%	Act%
69.00	100	100
41.00	141.20	111.59#
100.00	40.80	20.92
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(61) 2-Nitropropane

Manual Integration:

7.986min (+0.006) 2.68 ppb m

After

response 1562

Split Peak

Ion	Exp%	Act%
41.00	100	100
43.00	104.90	131.62#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

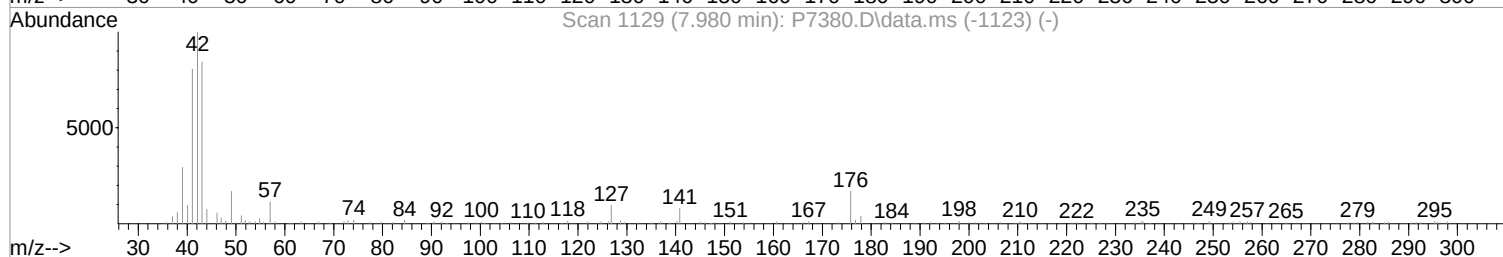
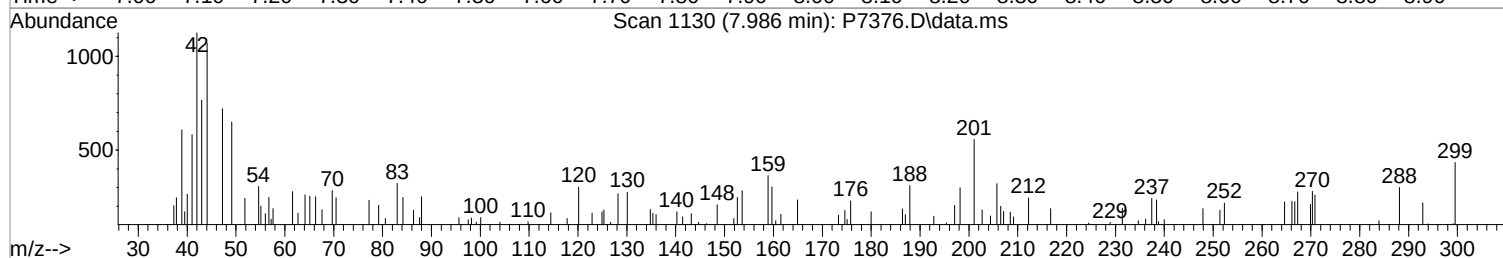
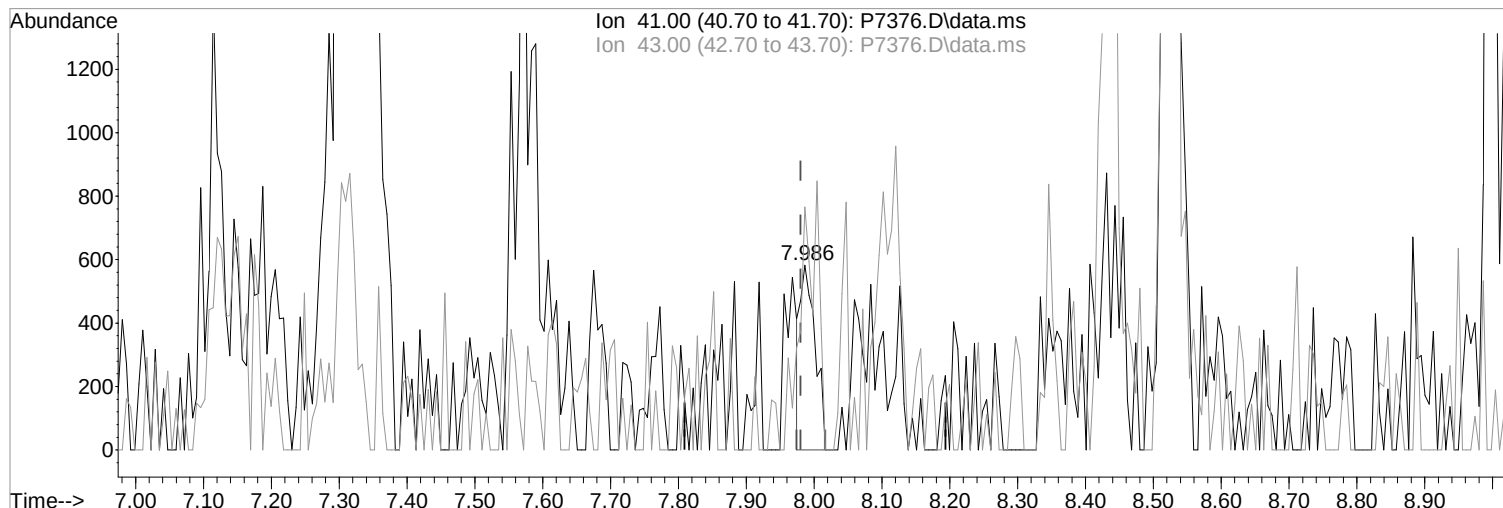
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(61) 2-Nitropropane

Manual Integration:

7.986min (+0.006) 1.55 ppb

Before

response 903

Ion Exp% Act%

01/05/17

41.00 100 100

43.00 104.90 131.62#

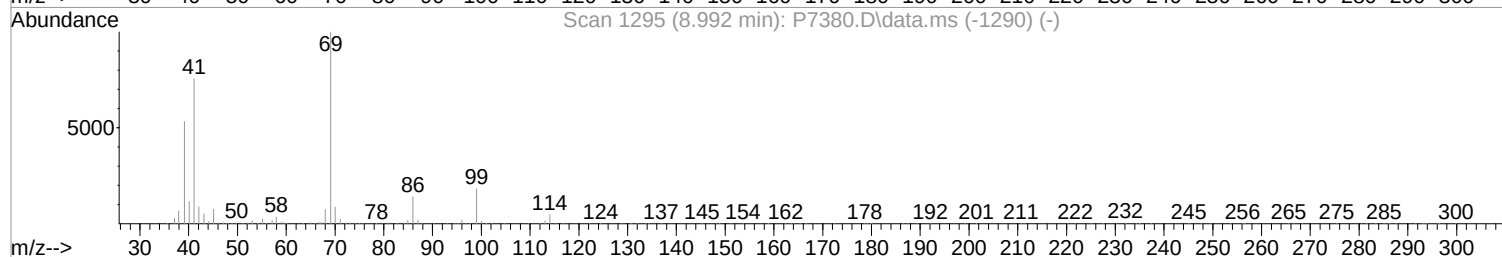
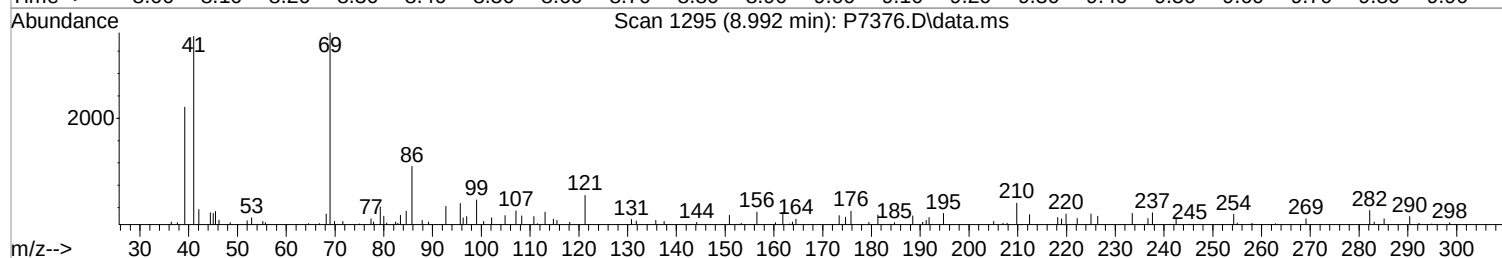
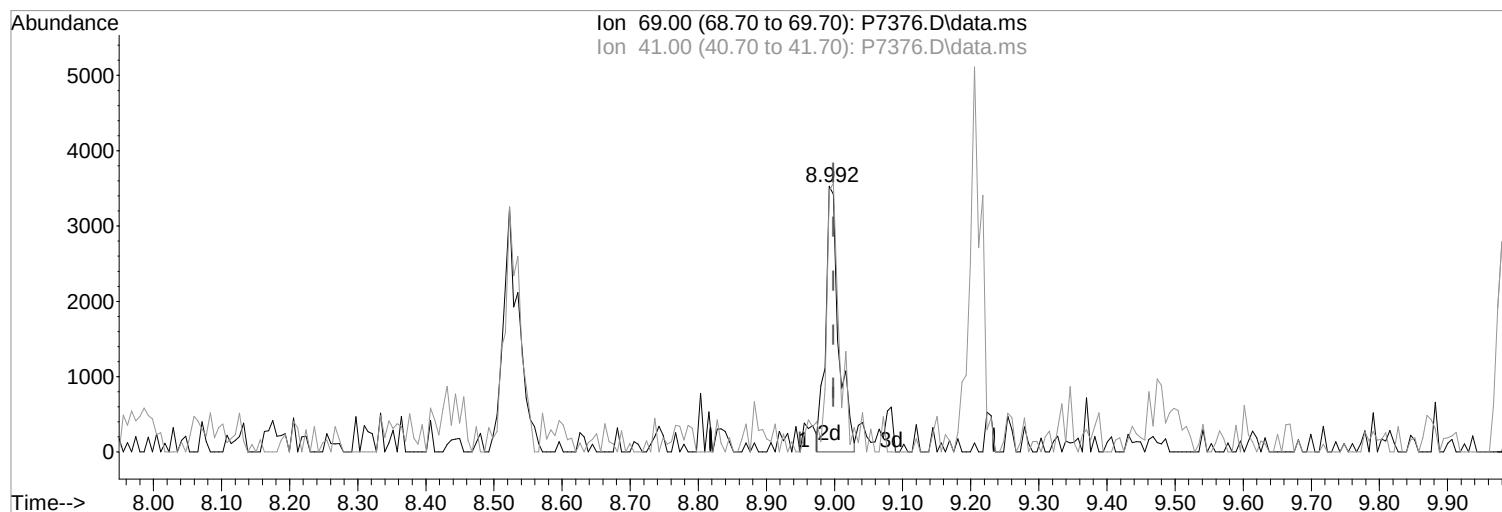
0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(68) Ethyl Methacrylate

8.992min (-0.006) 0.85 ppb m

response 4729

Ion	Exp%	Act%
69.00	100	100
41.00	75.90	98.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

01/05/17

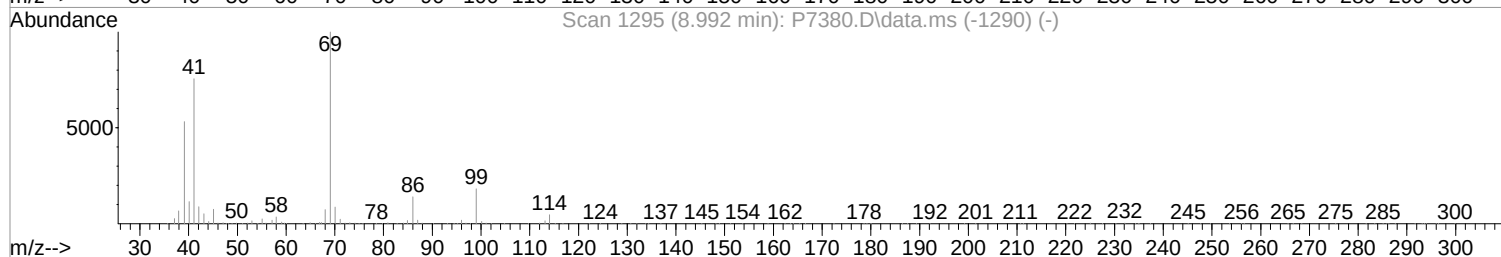
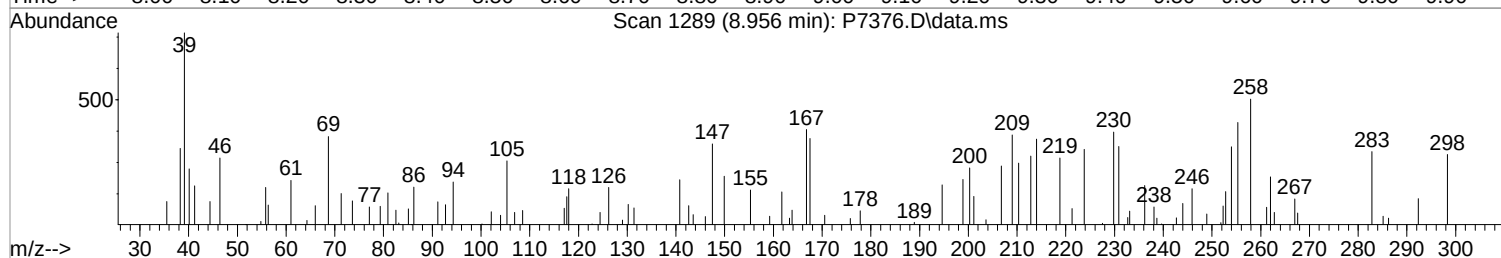
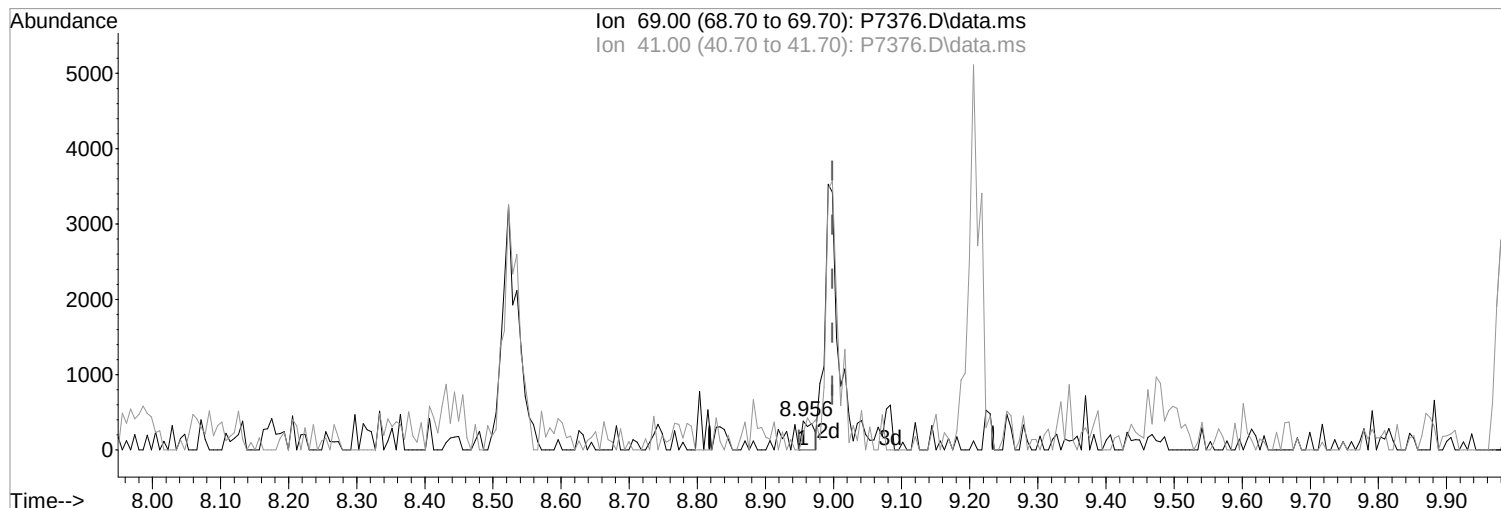
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(68) Ethyl Methacrylate

Manual Integration:

8.956min (-0.043) 0.08 ppb

Before

response 466

Ion	Exp%	Act%
69.00	100	100
41.00	75.90	58.75
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

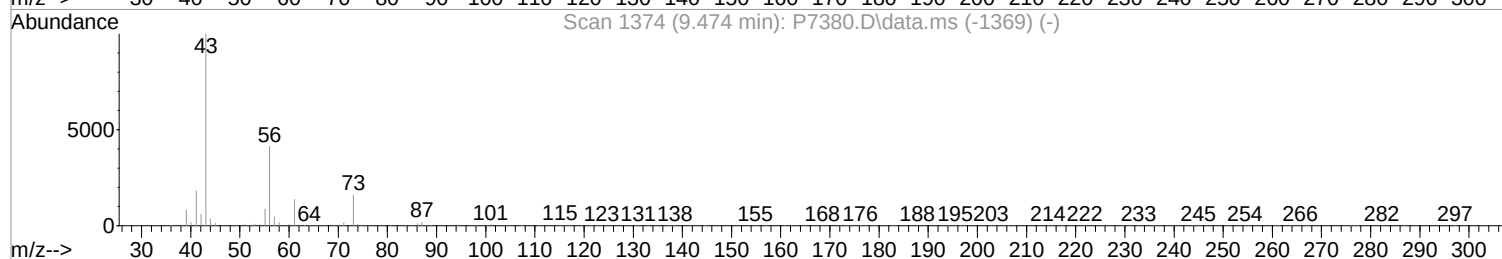
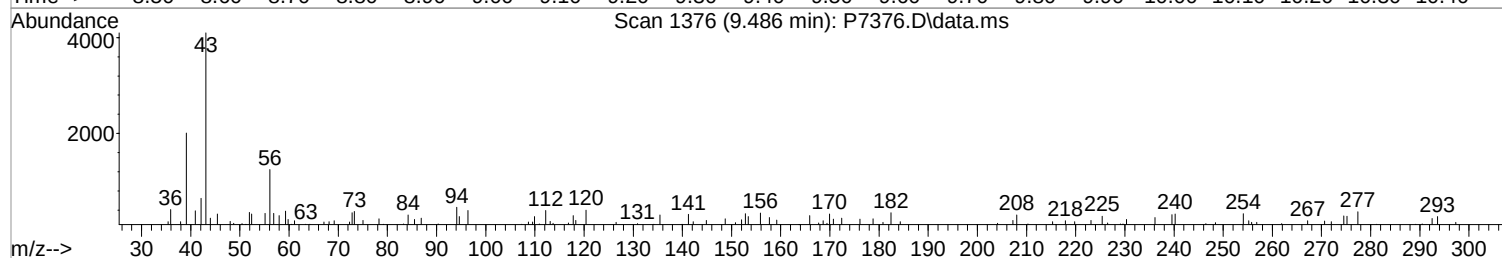
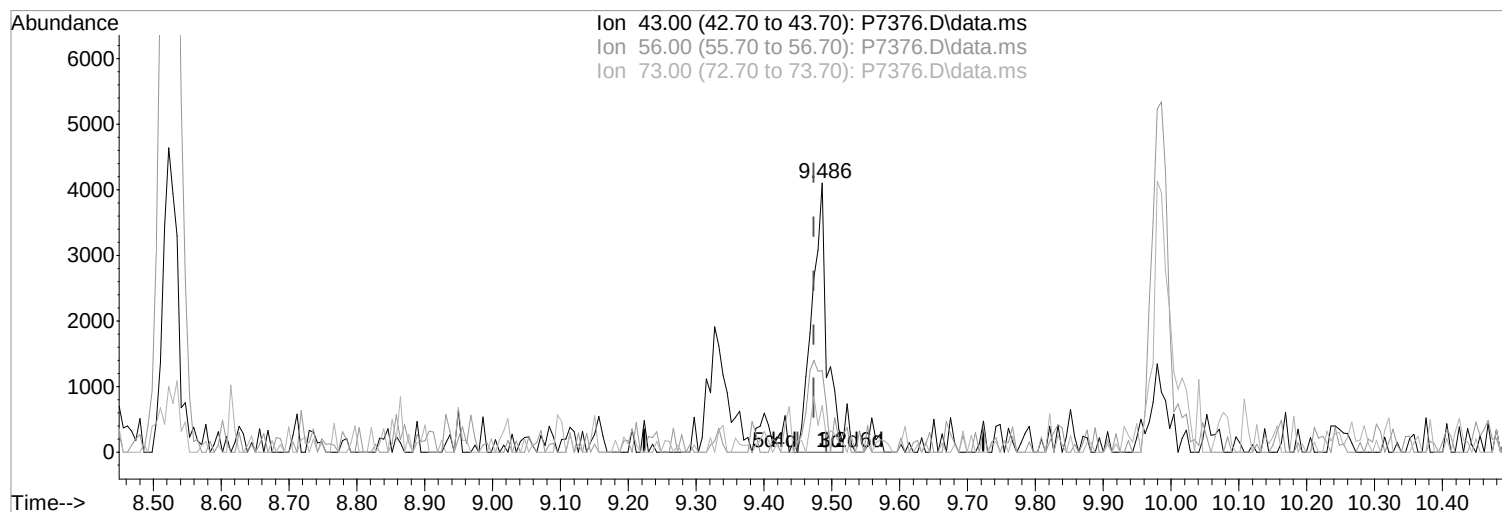
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(76) N-Butyl Acetate

Manual Integration:

9.486min (+0.012) 0.96 ppb m

After

response 6240

Split Peak

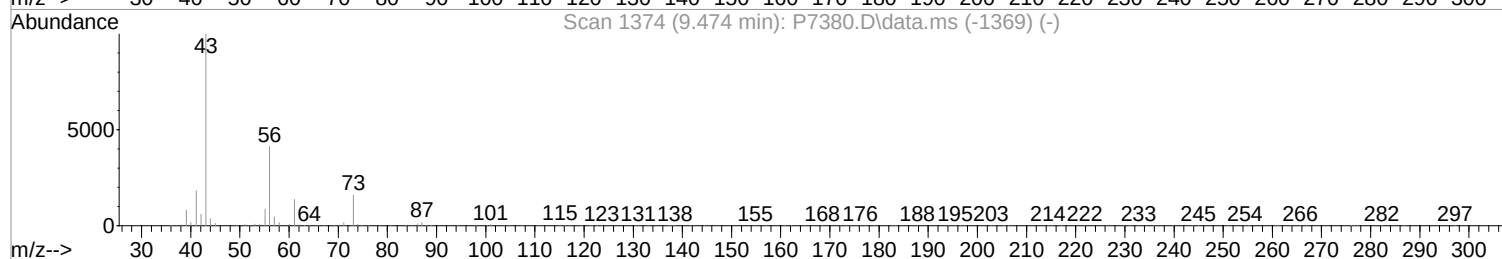
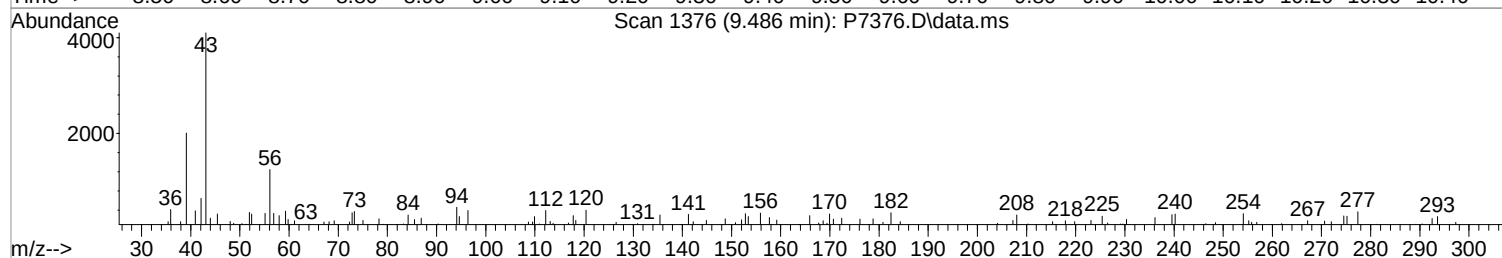
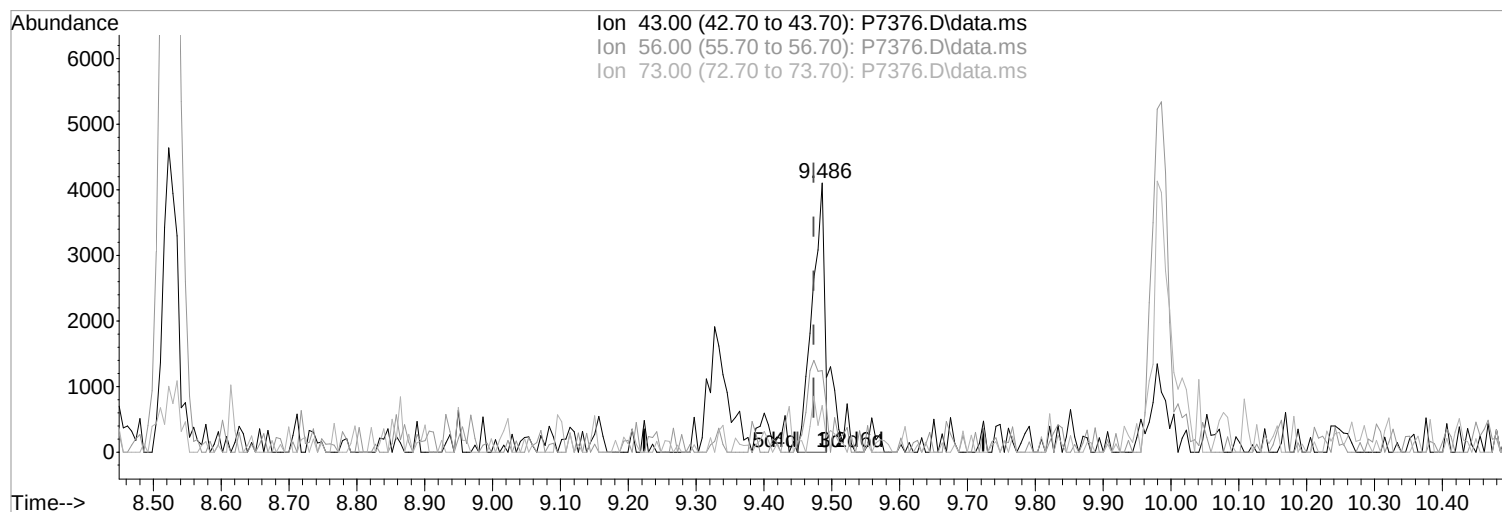
Ion	Exp%	Act%
43.00	100	100
56.00	41.30	30.30
73.00	15.90	9.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(76) N-Butyl Acetate

Manual Integration:

9.486min (+0.012) 0.81 ppb

Before

response 5243

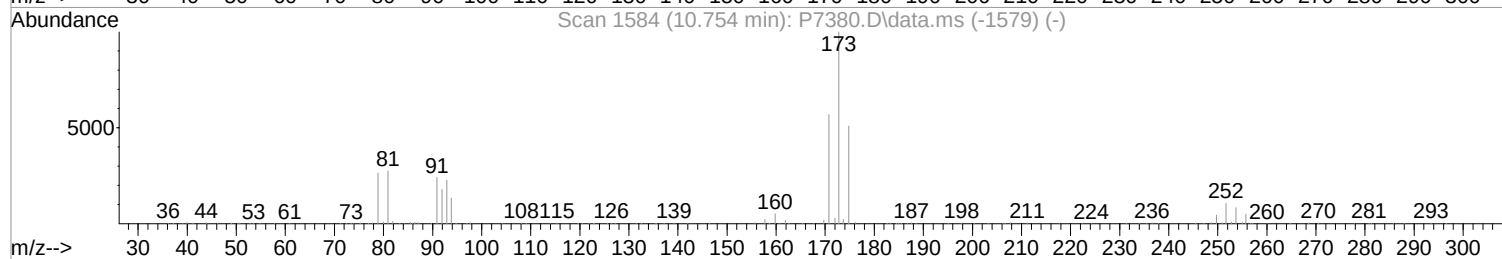
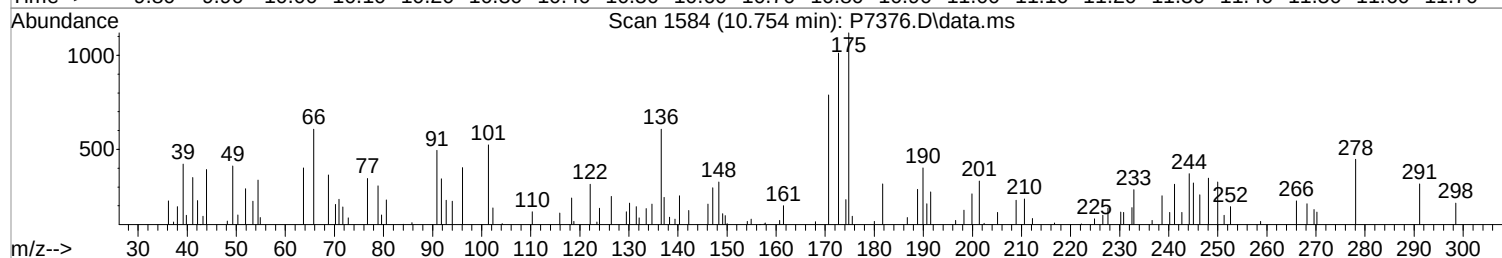
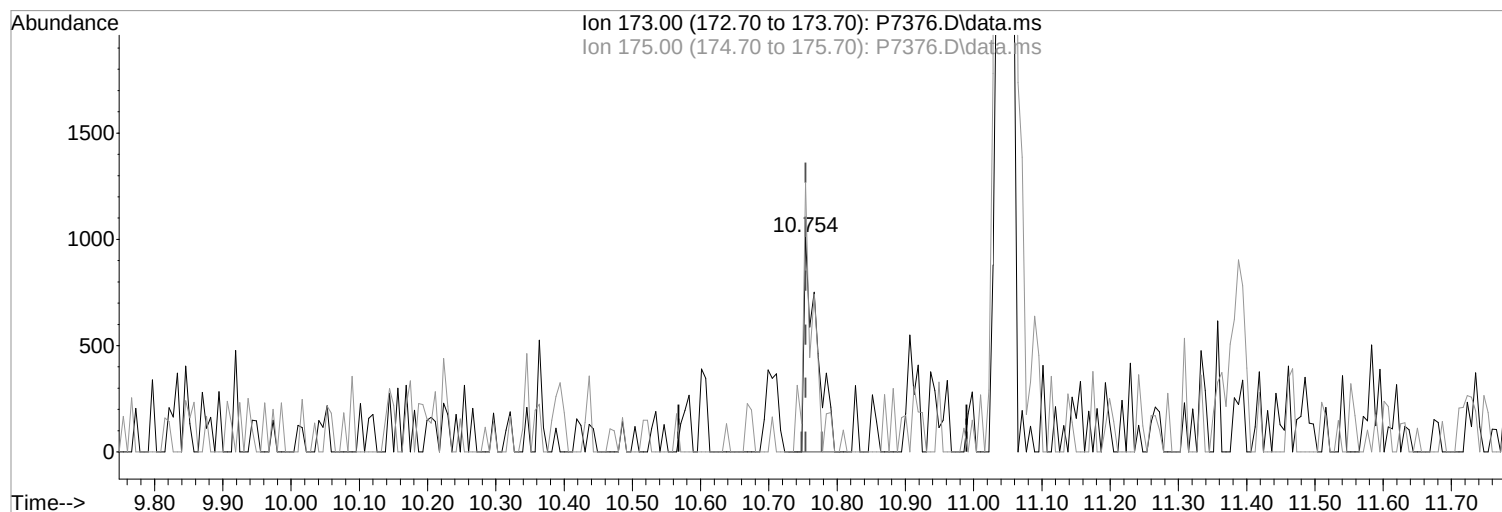
Ion	Exp%	Act%
43.00	100	100
56.00	41.30	30.30
73.00	15.90	17.31
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(87) Bromoform (P)

10.754min (+0.000) 0.58 ppb m

response 1318

Ion	Exp%	Act%
173.00	100	100
175.00	49.80	110.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

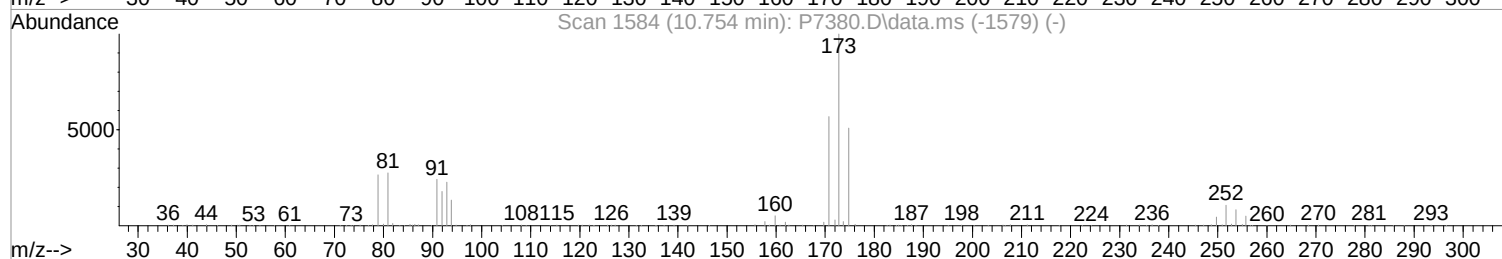
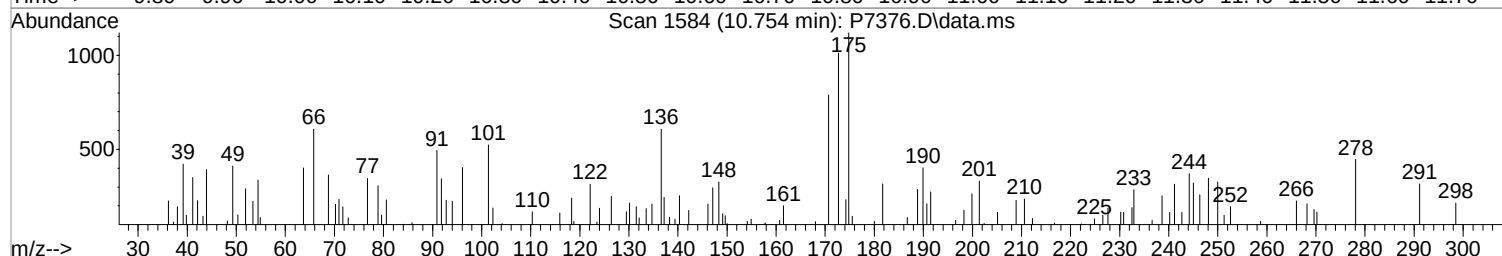
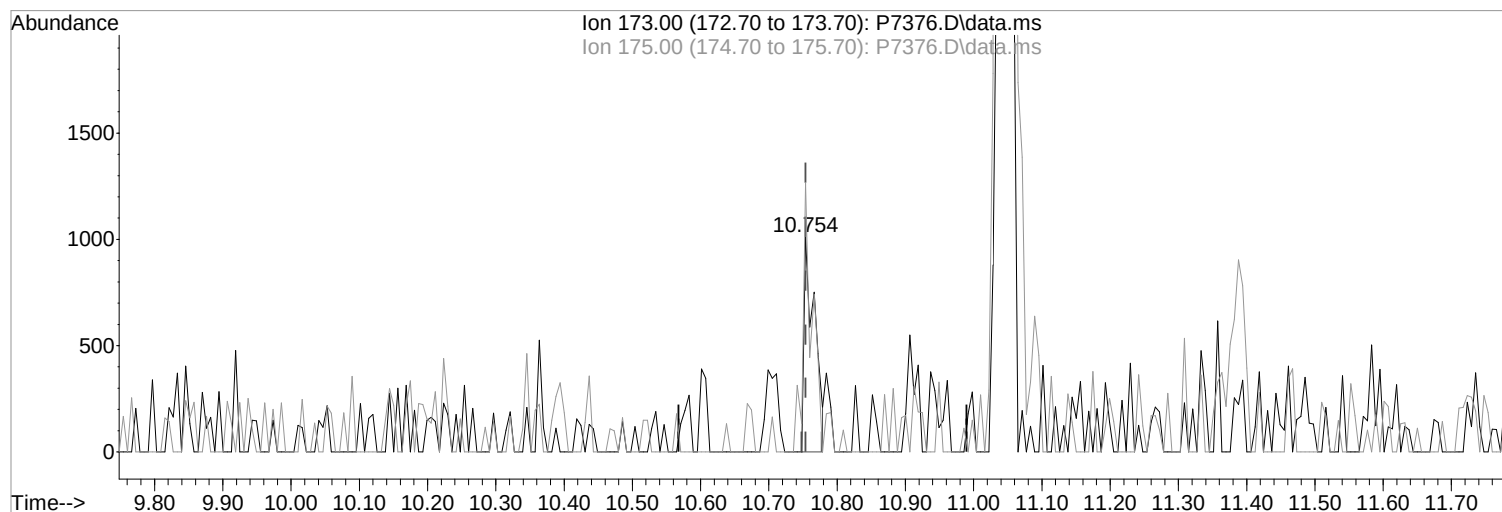
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(87) Bromoform (P)

Manual Integration:

10.754min (+0.000) 0.49 ppb

Before

response 1105

Ion Exp% Act%

01/05/17

173.00 100 100

175.00 49.80 125.00#

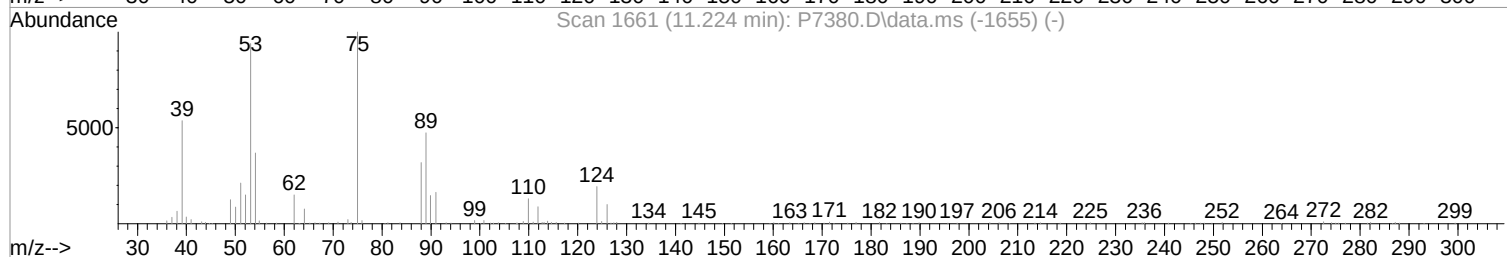
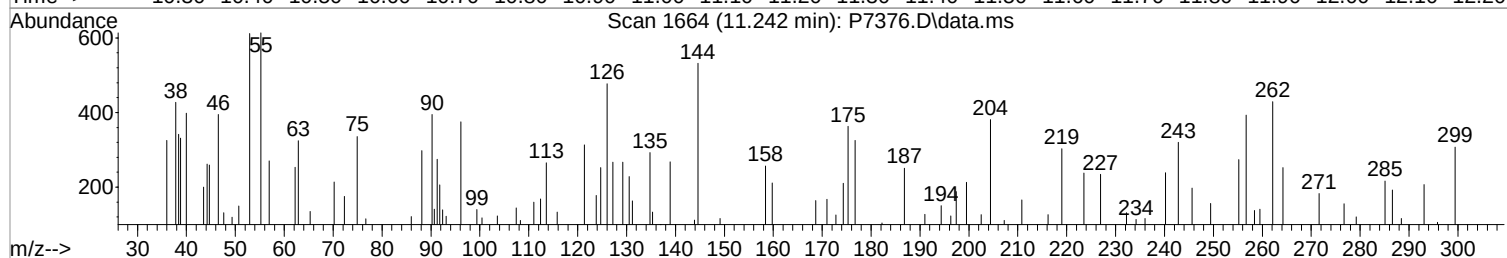
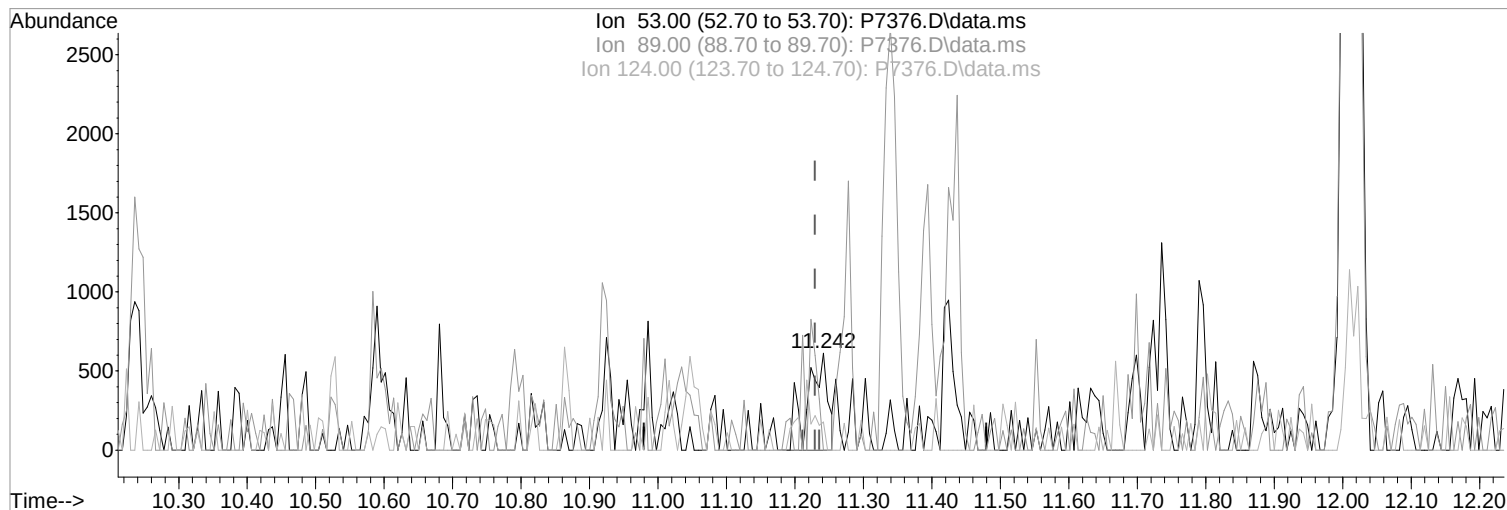
0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(91) trans-1,4-Dichloro-2-Butene

11.242min (+0.012) 0.91 ppb m

response 1260

Ion	Exp%	Act%
53.00	100	100
89.00	50.40	0.00#
124.00	20.60	41.18#
0.00	0.00	0.00

Manual Integration:

After

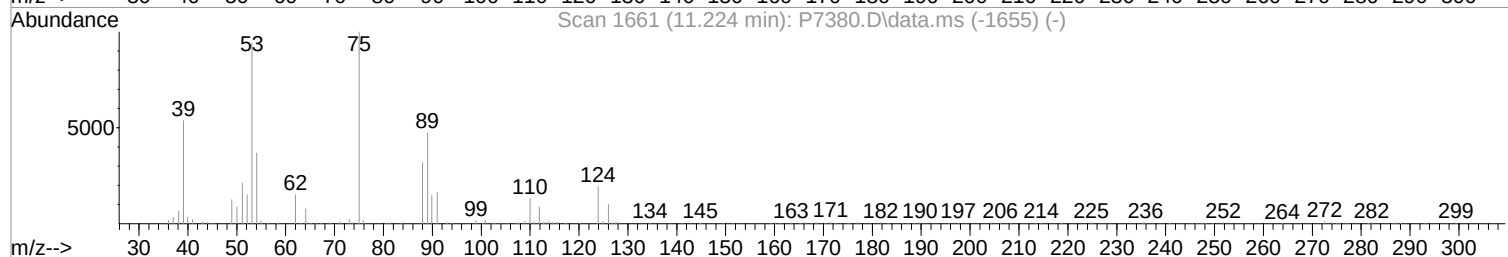
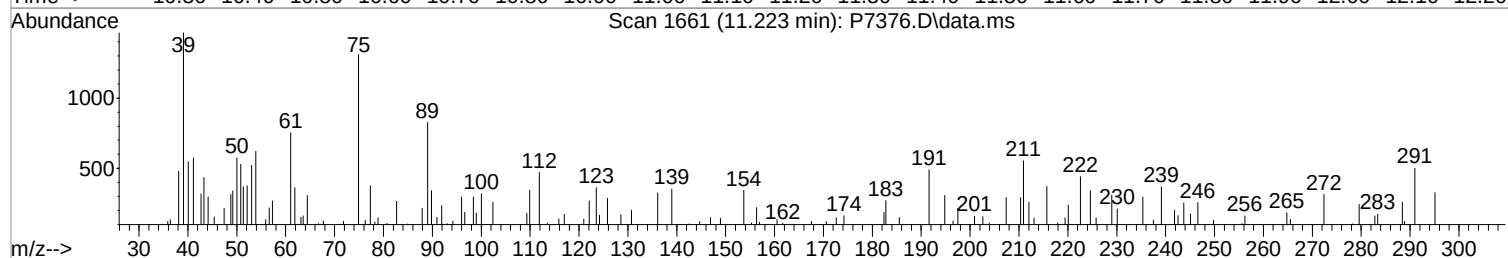
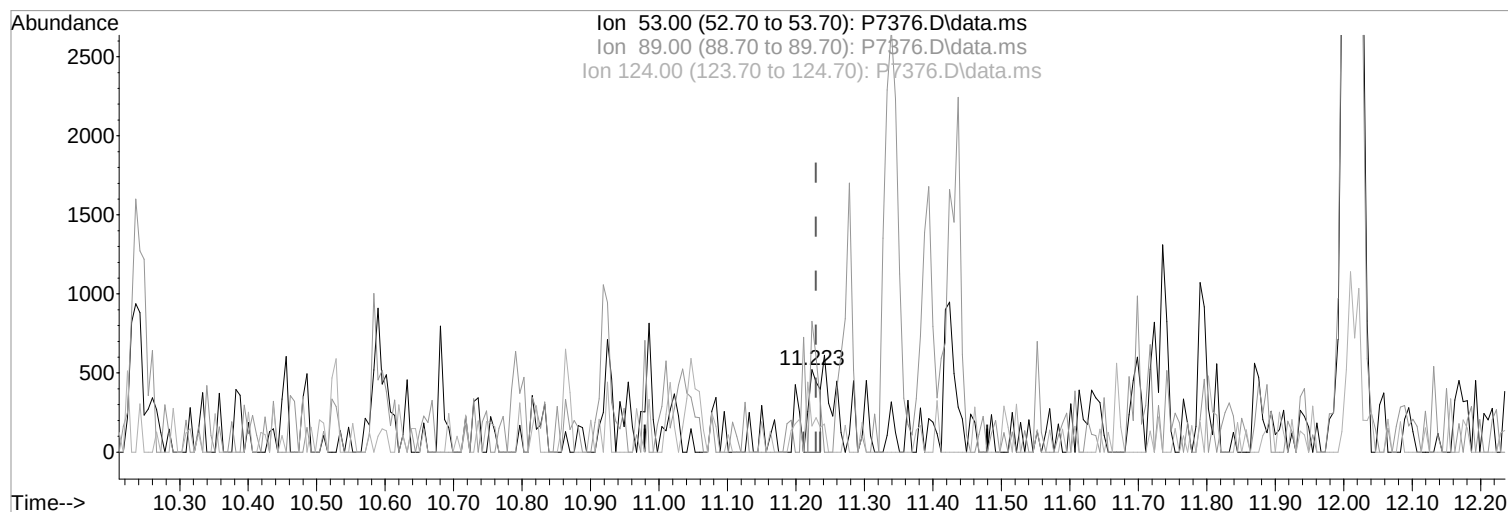
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:02 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7376.D\data.ms

(91) trans-1,4-Dichloro-2-Butene

Manual Integration:

11.223min (-0.006) 0.43 ppb

Before

response 590

Ion	Exp%	Act%

01/05/17

53.00	100	100

89.00	50.40	158.73#

124.00	20.60	31.48

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7376.D
 Acq On : 4 Jan 2017 1:53 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:18:18 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	764731	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1215266	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1179180	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	638396	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	353916	53.97	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	107.94%	
48) surr1,1,2-dichloroetha...	6.090	65	388369	53.34	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.68%	
65) SURR3,Toluene-d8	8.523	98	1523813	56.20	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	112.40%	
70) SURR2,BFB	11.047	95	572302	54.47	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	108.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	8132	0.87	ppb	81
3) Chloromethane	1.341	50	8543	1.02	ppb	83
4) Vinyl Chloride	1.427	62	7204	0.98	ppb	97
5) Bromomethane	1.689	94	3177m	0.85	ppb	
6) Chloroethane	1.762	64	3803	0.97	ppb	84
7) Freon 21	1.926	67	8970	0.97	ppb	93
8) Trichlorofluoromethane	1.969	101	7443	0.90	ppb	95
9) Diethyl Ether	2.231	59	3677	1.05	ppb	# 74
10) Freon 123a	2.231	67	6640	1.14	ppb	84
11) Freon 123	2.286	83	7564	1.13	ppb	90
12) Acrolein	2.323	56	2993	5.17	ppb	85
13) 1,1-Dicethene	2.420	96	5073	0.94	ppb	# 69
14) Freon 113	2.432	101	6244	1.07	ppb	97
16) 2-Propanol	2.640	45	4360	24.46	ppb	89
17) Iodomethane	2.573	142	8355	1.05	ppb	85
18) Carbon Disulfide	2.627	76	17090	1.03	ppb	95
20) Allyl Chloride	2.786	76	2664m	0.83	ppb	
21) Methyl Acetate	2.829	43	3186	1.19	ppb	92
22) Methylene Chloride	2.926	84	6424m	1.08	ppb	
23) TBA	3.097	59	5474m	17.79	ppb	
24) Acrylonitrile	3.201	53	6517m	4.89	ppb	
25) Methyl-t-Butyl Ether	3.255	73	15287	1.07	ppb	80
26) trans-1,2-Dichloroethene	3.243	96	6770	1.08	ppb	# 73
28) 1,1-Dicethane	3.774	63	11785m	1.12	ppb	
29) Vinyl Acetate	3.896	86	1218m	1.19	ppb	
30) DIPE	3.938	45	17670	0.90	ppb	96
31) 2-Chloro-1,3-Butadiene	3.914	53	7920	0.89	ppb	86
32) ETBE	4.523	59	15378	0.93	ppb	92
33) 2,2-Dichloropropane	4.682	77	8369m	1.01	ppb	
34) cis-1,2-Dichloroethene	4.706	96	6828m	1.03	ppb	
36) Propionitrile	4.871	54	2571m	5.07	ppb	
37) Bromochloromethane	5.139	130	4002m	1.10	ppb	
38) Methacrylonitrile	5.157	67	2018m	1.24	ppb	
40) Chloroform	5.310	83	11724	1.15	ppb	98
41) 1,1,1-Trichloroethane	5.578	97	9654	1.08	ppb	83
42) TAME	6.401	73	13984	0.96	ppb	90
44) Cyclohexane	5.657	41	6481	1.01	ppb	88
46) Carbontetrachloride	5.852	121	2625m	1.16	ppb	
47) 1,1-Dichloropropene	5.859	75	7733m	0.96	ppb	

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7376.D
 Acq On : 4 Jan 2017 1:53 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:18:18 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Benzene	6.163	78	22254m	1.03	ppb	
50) 1,2-Dichloroethane	6.200	62	7309	0.97	ppb	77
51) Iso-Butyl Alcohol	6.194	43	2712	20.71	ppb	# 45
52) n-Heptane	6.639	43	7989	1.10	ppb	90
53) 1-Butanol	7.127	56	3768m	49.69	ppb	
54) Trichloroethene	7.084	130	6245m	1.00	ppb	
55) Methylcyclohexane	7.309	55	6160	0.83	ppb	# 55
56) 1,2-Dicloropropane	7.346	63	6251	1.03	ppb	85
57) Dibromomethane	7.486	93	3487m	1.13	ppb	
59) Methyl Methacrylate	7.572	69	3440m	1.18	ppb	
60) Bromodichloromethane	7.700	83	7040	0.94	ppb	75
61) 2-Nitropropane	7.986	41	1562m	2.68	ppb	
62) 2-Chloroethylvinyl Ether	8.102	63	3075	1.05	ppb	80
63) cis-1,3-Dichloropropene	8.242	75	7991	0.91	ppb	75
64) 4-Methyl-2-pentanone	8.431	43	4173	1.09	ppb	80
66) Toluene	8.602	91	25332	1.01	ppb	91
67) trans-1,3-Dichloropropene	8.864	75	6400	0.89	ppb	89
68) Ethyl Methacrylate	8.992	69	4729m	0.85	ppb	
69) 1,1,2-Trichloroethane	9.047	97	4905	1.15	ppb	81
72) Tetrachloroethene	9.175	164	4811	0.94	ppb	# 75
73) 2-Hexanone	9.327	43	3037	1.14	ppb	81
74) 1,3-Dichloropropane	9.205	76	7878	0.99	ppb	# 70
75) Dibromochloromethane	9.425	129	4013	0.88	ppb	# 24
76) N-Butyl Acetate	9.486	43	6240m	0.96	ppb	
77) 1,2-Dibromoethane	9.522	107	4417	1.06	ppb	88
78) Chlorobenzene	10.010	112	16046	0.97	ppb	82
79) 3-CBTF	10.028	180	10044	1.07	ppb	# 81
80) 4-CBTF	10.083	180	7763	0.90	ppb	81
81) 1,1,1,2-Tetrachloroethane	10.096	131	5194	0.94	ppb	# 84
82) Ethylbenzene	10.126	106	9141	0.99	ppb	# 78
83) (m+p)Xylene	10.242	106	20126	1.85	ppb	# 86
84) o-Xylene	10.595	106	10442	0.97	ppb	92
85) Styrene	10.608	104	16355	0.90	ppb	100
87) Bromoform	10.754	173	1318m	0.58	ppb	
88) 2-CBTF	10.833	180	8237	0.94	ppb	# 73
89) Isopropylbenzene	10.925	105	25912	0.99	ppb	90
90) Cyclohexanone	10.986	55	9588	20.89	ppb	# 69
91) trans-1,4-Dichloro-2-B...	11.242	53	1260m	0.91	ppb	
92) 1,1,2,2-Tetrachloroethane	11.181	83	4860	0.97	ppb	# 77
93) Bromobenzene	11.175	156	6955	0.98	ppb	# 62
94) 1,2,3-Trichloropropane	11.211	110	1590	0.99	ppb	# 54
95) n-Propylbenzene	11.272	91	28662	0.95	ppb	96
96) 2-Chlorotoluene	11.339	91	18884	1.04	ppb	79
97) 3-Chlorotoluene	11.388	91	19948	1.00	ppb	# 83
98) 4-Chlorotoluene	11.431	91	21242	1.00	ppb	93
99) 1,3,5-Trimethylbenzene	11.425	105	22896	1.01	ppb	92
100) tert-Butylbenzene	11.699	119	17465	0.94	ppb	92
101) 1,2,4-Trimethylbenzene	11.735	105	23889	1.03	ppb	88
102) 3,4-DCBTF	11.790	214	6592	0.97	ppb	# 83
103) sec-Butylbenzene	11.882	105	27404	1.01	ppb	94
104) p-Isopropyltoluene	11.998	119	21450	0.94	ppb	90
105) 1,3-Dclbenz	11.961	146	12248	0.90	ppb	83
106) 1,4-Dclbenz	12.034	146	15581	1.10	ppb	86
107) 2,4-DCBTF	12.083	214	6497	1.04	ppb	# 86
108) 2,5-DCBTF	12.120	214	6768	1.02	ppb	# 81
109) n-Butylbenzene	12.333	91	19003	0.91	ppb	84

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7376.D
Acq On : 4 Jan 2017 1:53 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:18:18 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2-Dclbenz	12.339	146	11461	0.91	ppb	80
111) 1,2-Dibromo-3-chloropr...	12.955	157	1362	1.40	ppb #	43
112) Trielution Dichlorotol...	13.064	125	31544	2.90	ppb #	83
113) 1,3,5 Trichlorobenzene	13.125	180	10033	1.04	ppb #	80
114) Coelution Dichlorotoluene	13.400	125	22219	1.89	ppb	95
115) 1,2,4-Tcbenzene	13.607	180	8275	0.98	ppb #	68
116) Hexachlorobt	13.741	225	4471	1.17	ppb #	68
117) Naphthalen	13.796	128	13527	0.87	ppb	87
118) 1,2,3-Tclbenzene	13.991	180	6246	0.90	ppb	97
119) 2,4,5-Trichlorotoluene	14.564	159	5323	0.99	ppb #	61
120) 2,3,6-Trichlorotoluene	14.656	159	4285	0.96	ppb	94

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

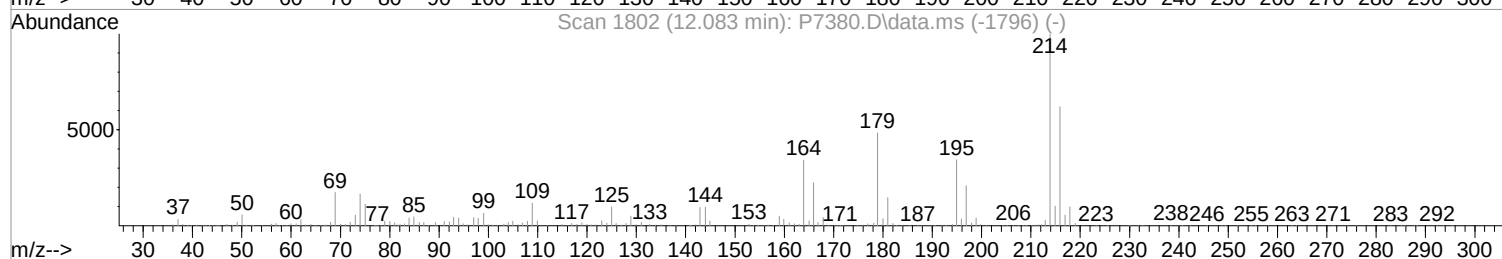
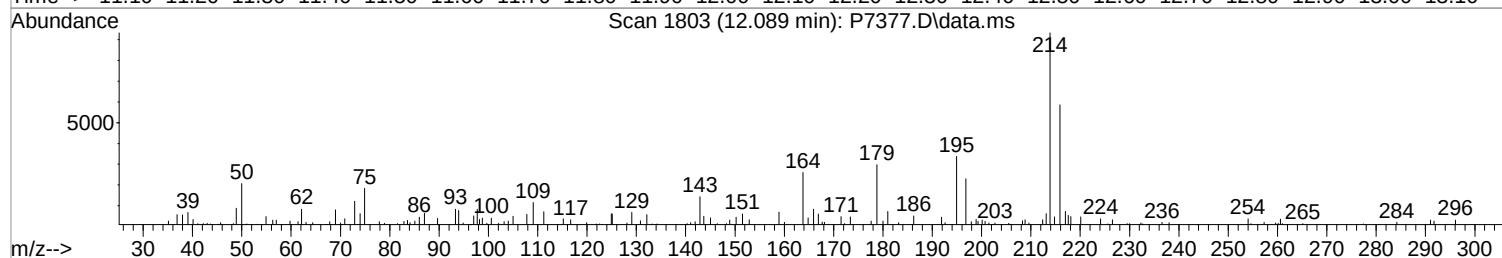
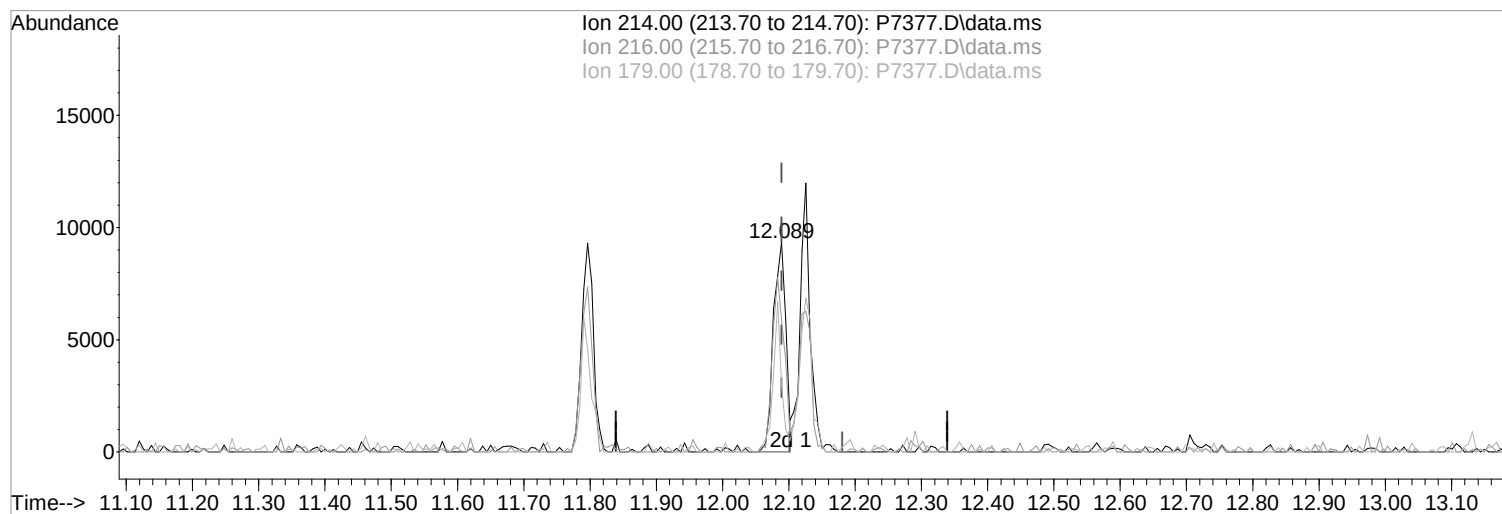
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(107) 2,4-DCBTF

12.089min (+0.000) 1.95 ppb m

response 12193

Ion	Exp%	Act%
214.00	100	100
216.00	62.00	62.84
179.00	48.30	31.87#
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

01/05/17

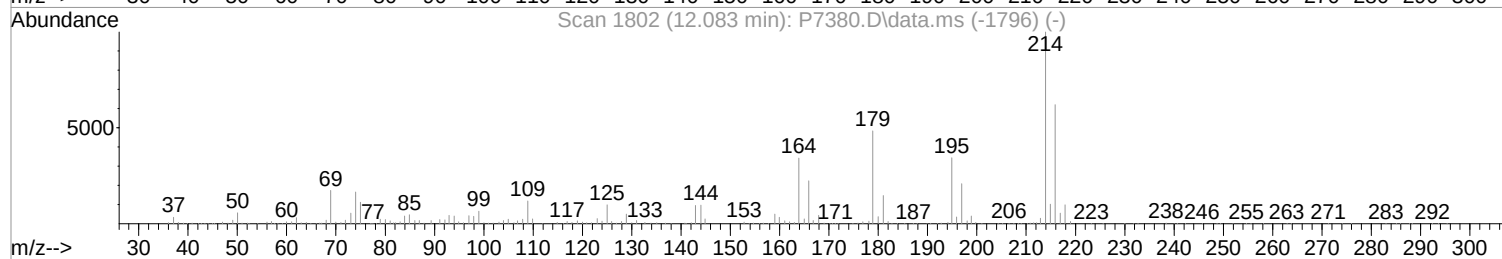
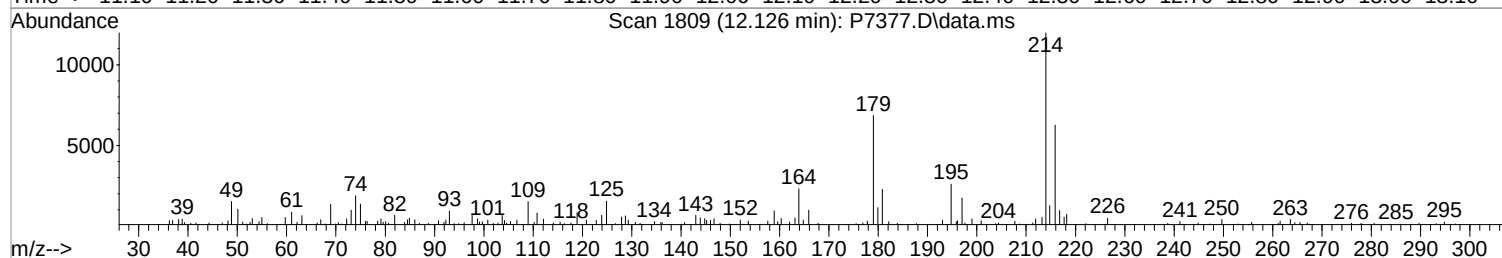
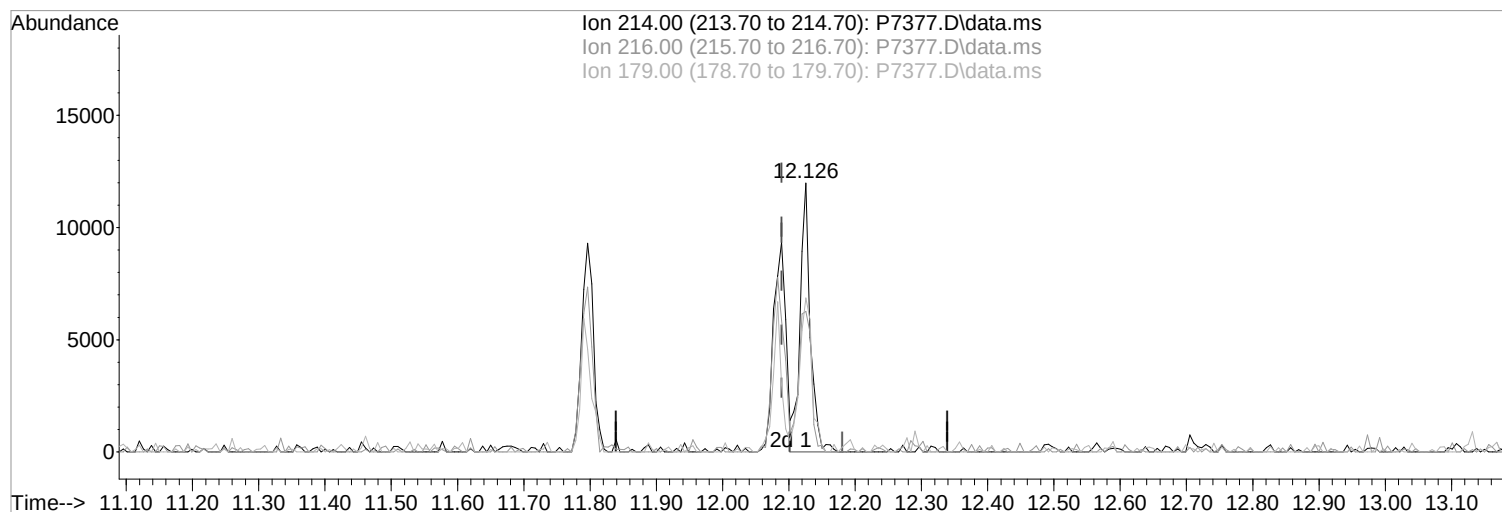
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(107) 2,4-DCBTF

Manual Integration:

12.126min (+0.037) 2.07 ppb

Before

response 12989

01/05/17

Ion	Exp%	Act%
214.00	100	100
216.00	62.00	52.34
179.00	48.30	57.28
0.00	0.00	0.00

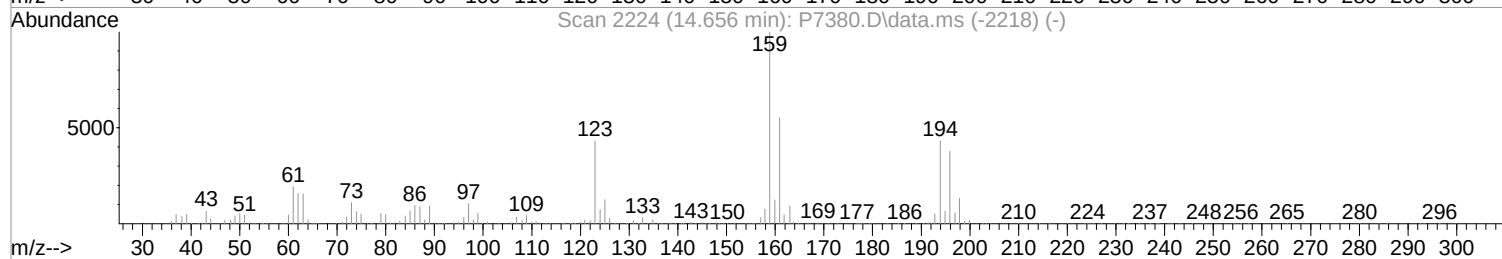
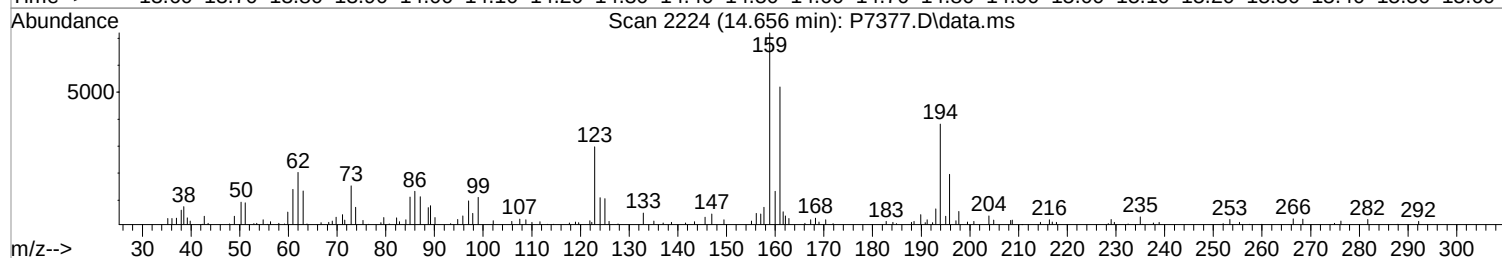
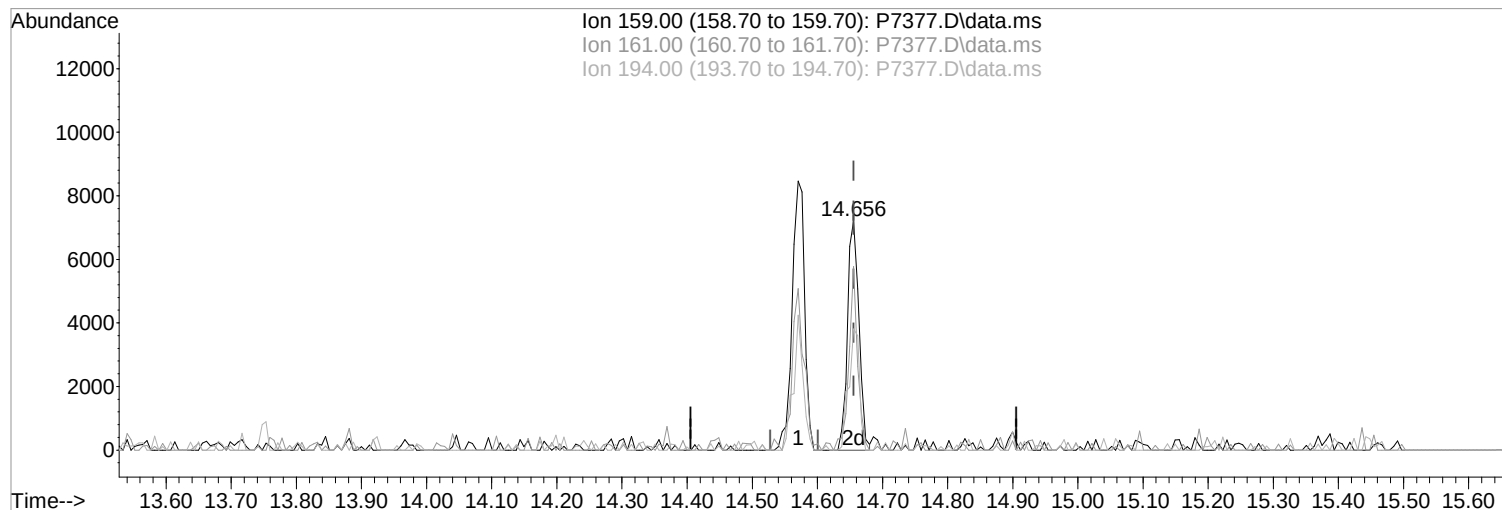
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.656min (+0.000) 1.97 ppb m

response 8826

Ion	Exp%	Act%

159.00	100	100

161.00	55.40	72.14#

194.00	43.50	52.96#

0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

01/05/17

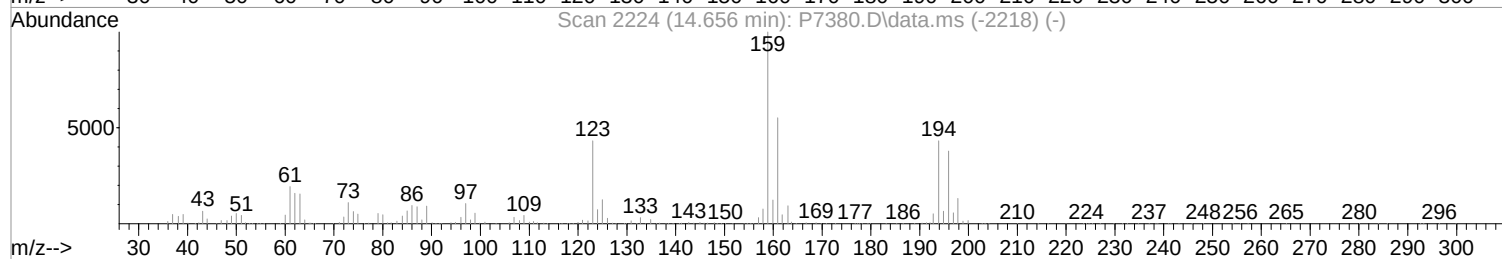
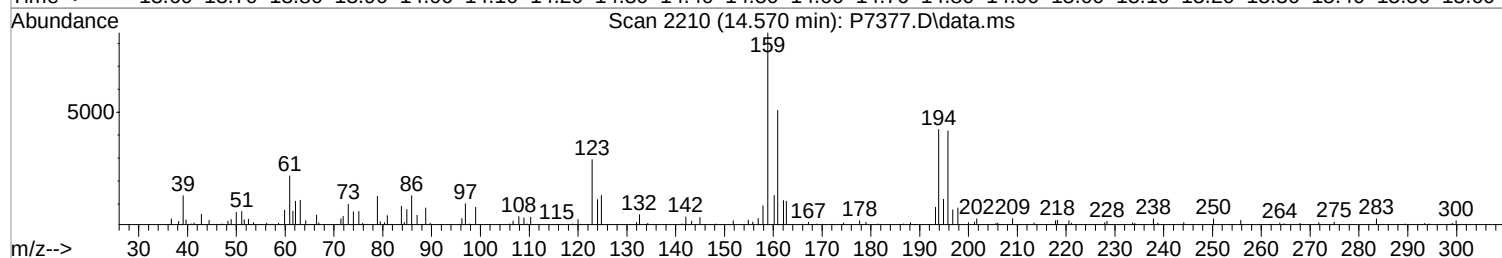
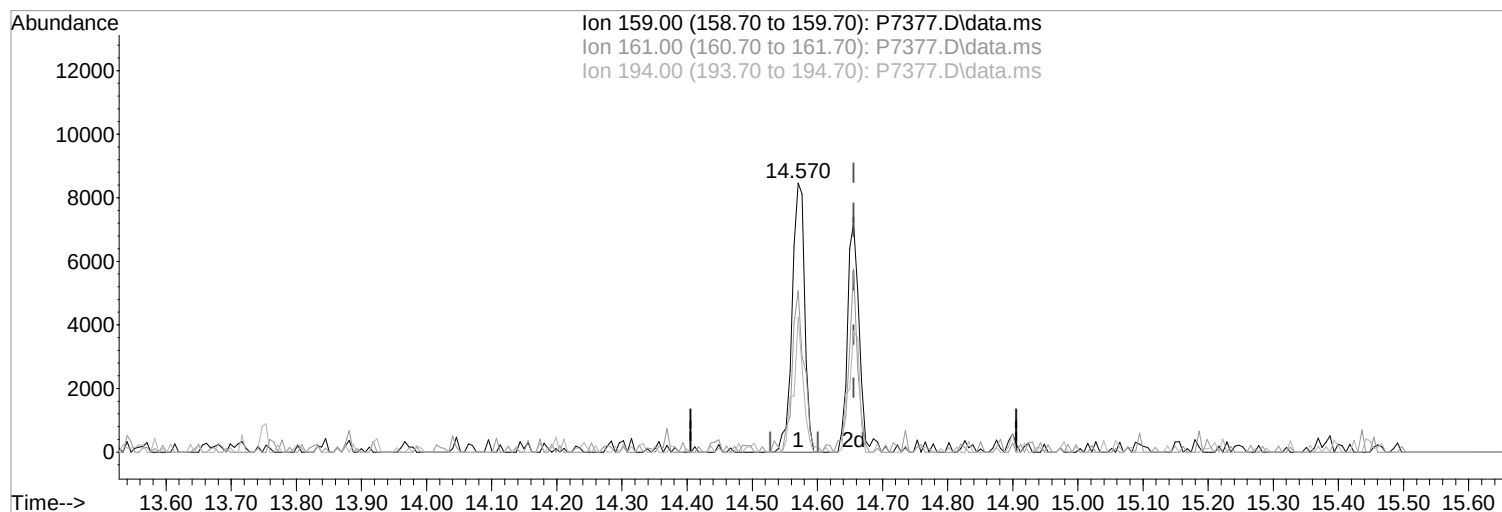
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(120) 2,3,6-Trichlorotoluene

Manual Integration:

14.570min (-0.085) 2.51 ppb

Before

response 11223

Ion	Exp%	Act%

01/05/17

159.00	100	100

161.00	55.40	59.97

194.00	43.50	50.19

0.00	0.00	0.00

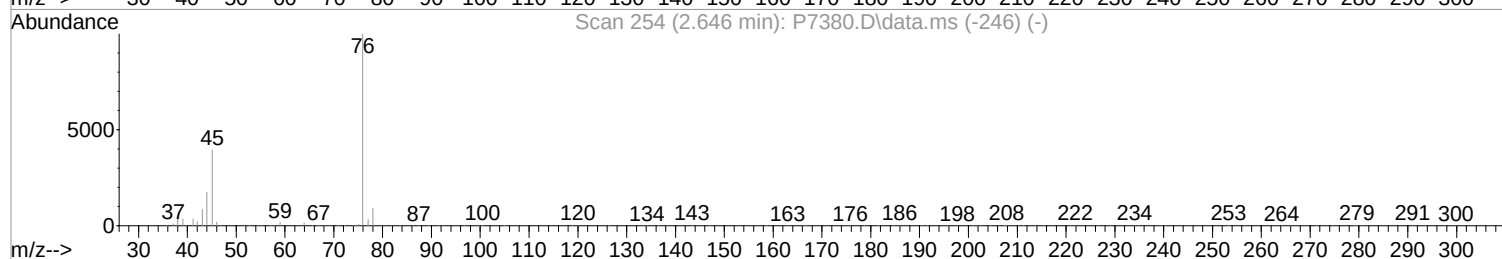
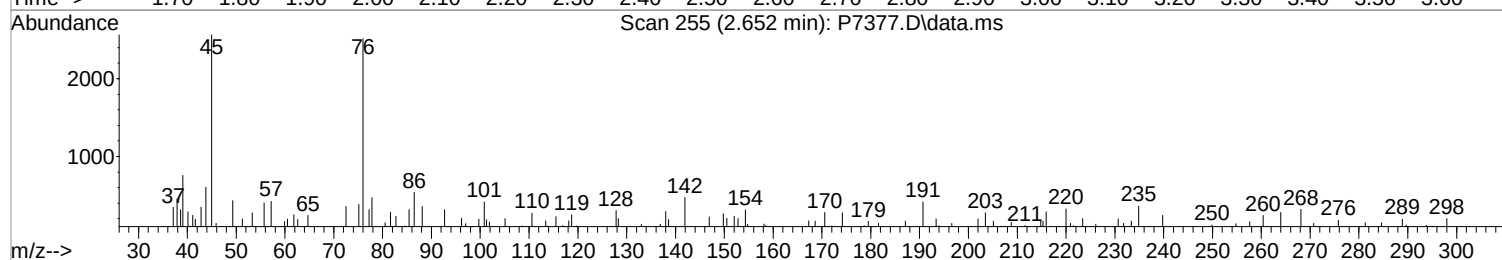
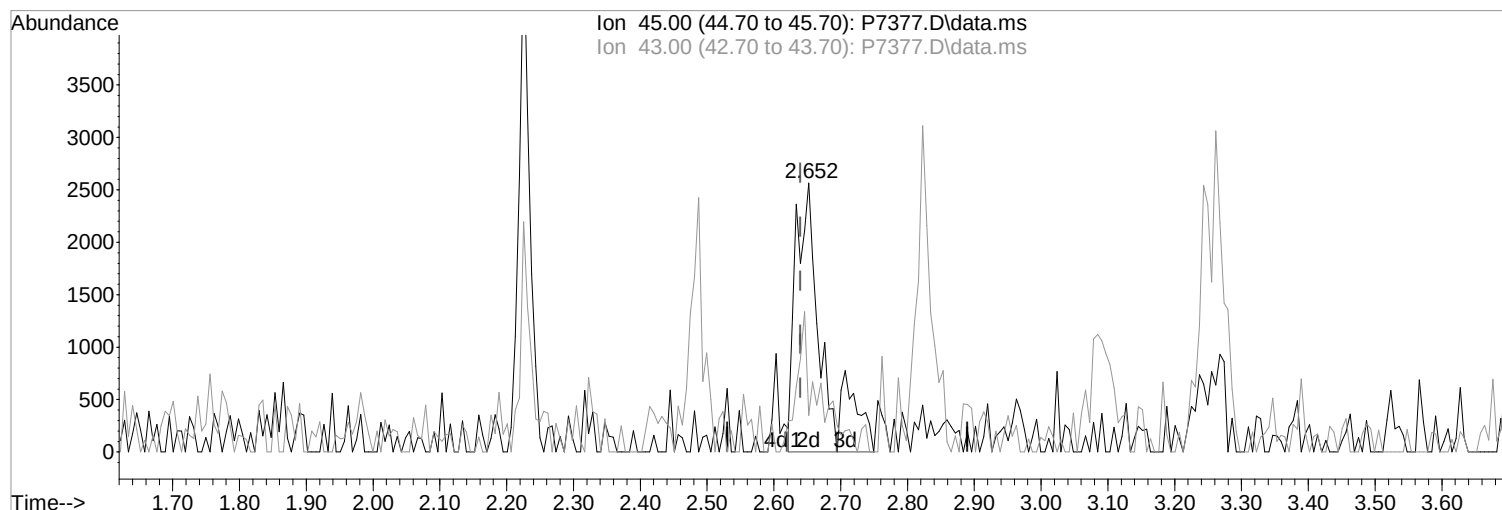
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(16) 2-Propanol

2.652min (+0.012) 40.47 ppb m

response 7151

Ion	Exp%	Act%
45.00	100	100
43.00	21.80	13.57
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

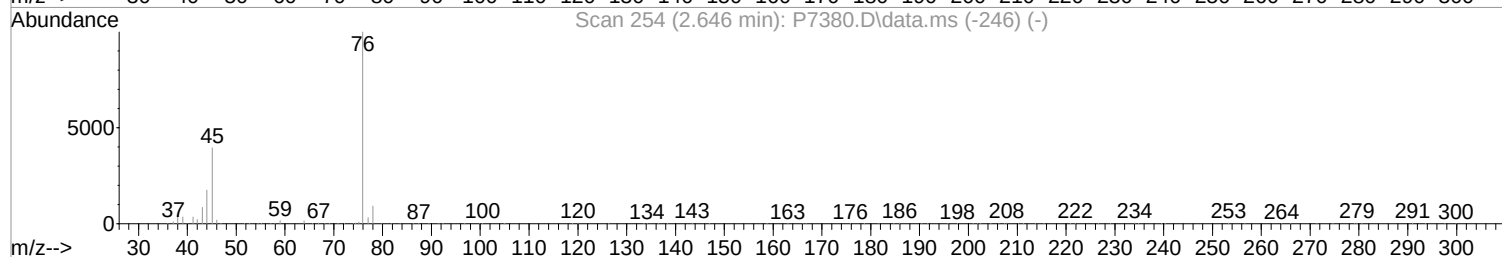
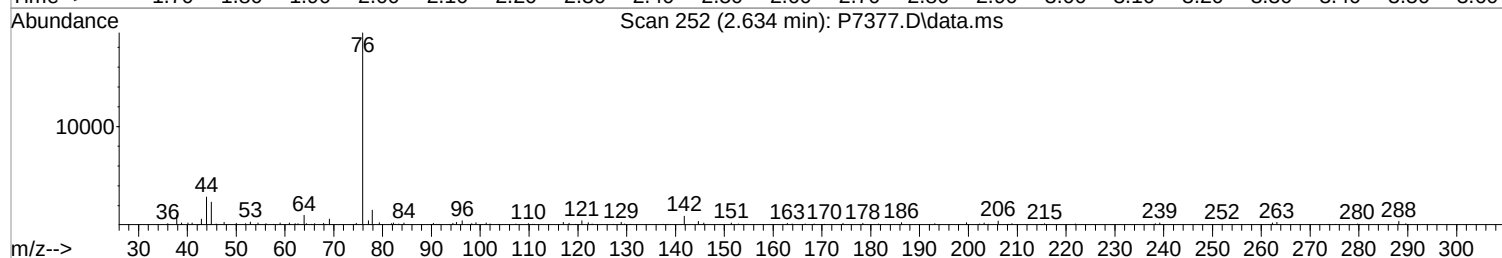
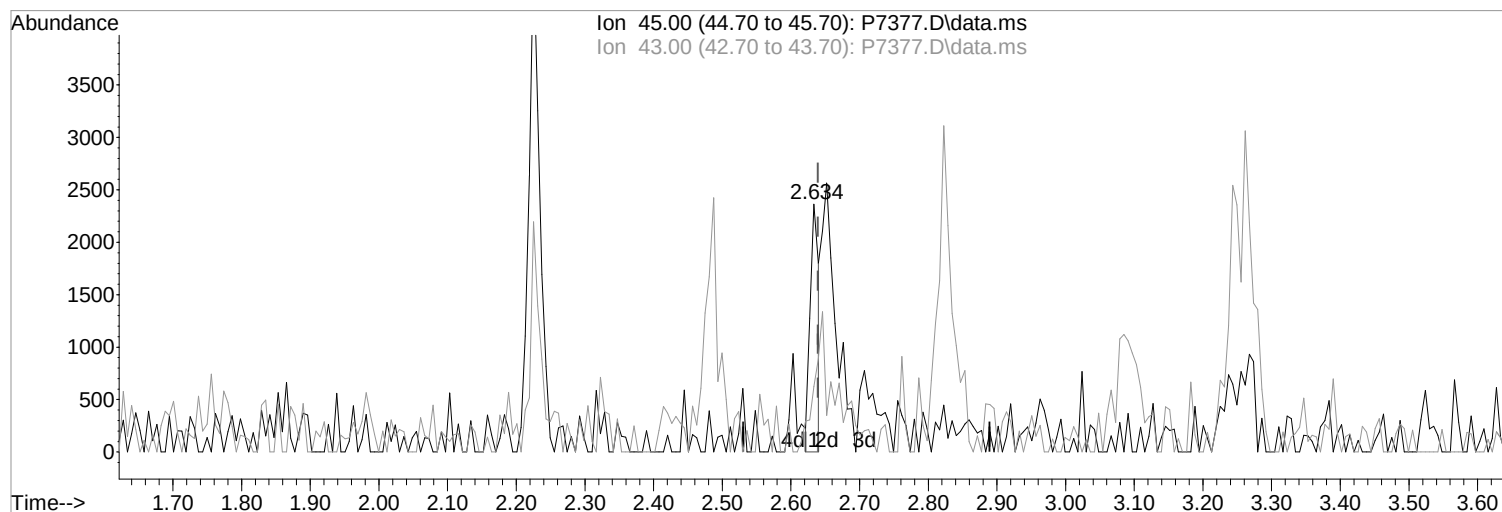
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(16) 2-Propanol

Manual Integration:

2.634min (-0.006) 11.25 ppb

Before

response 1988

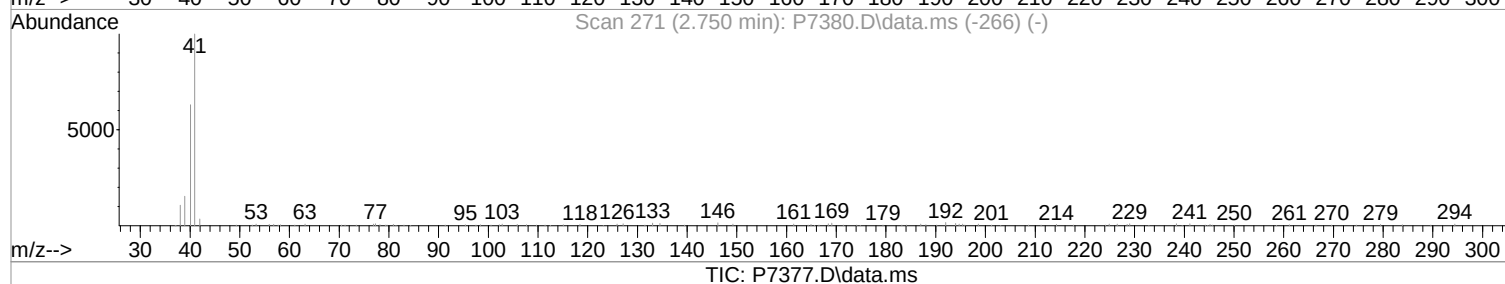
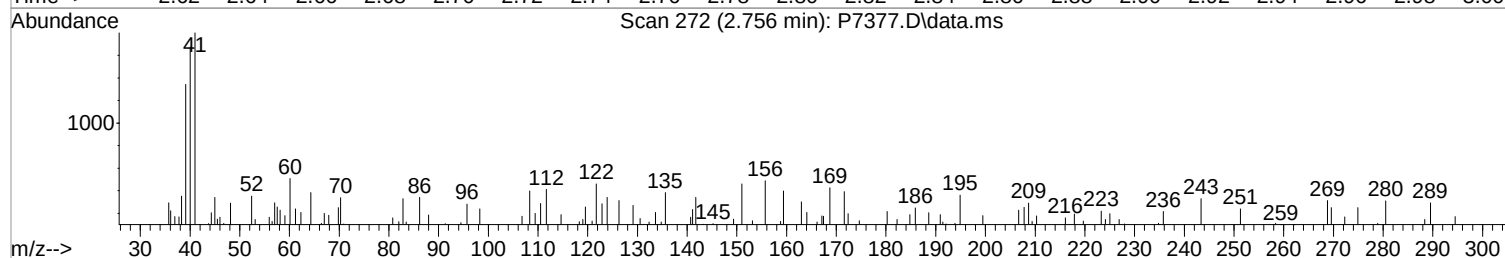
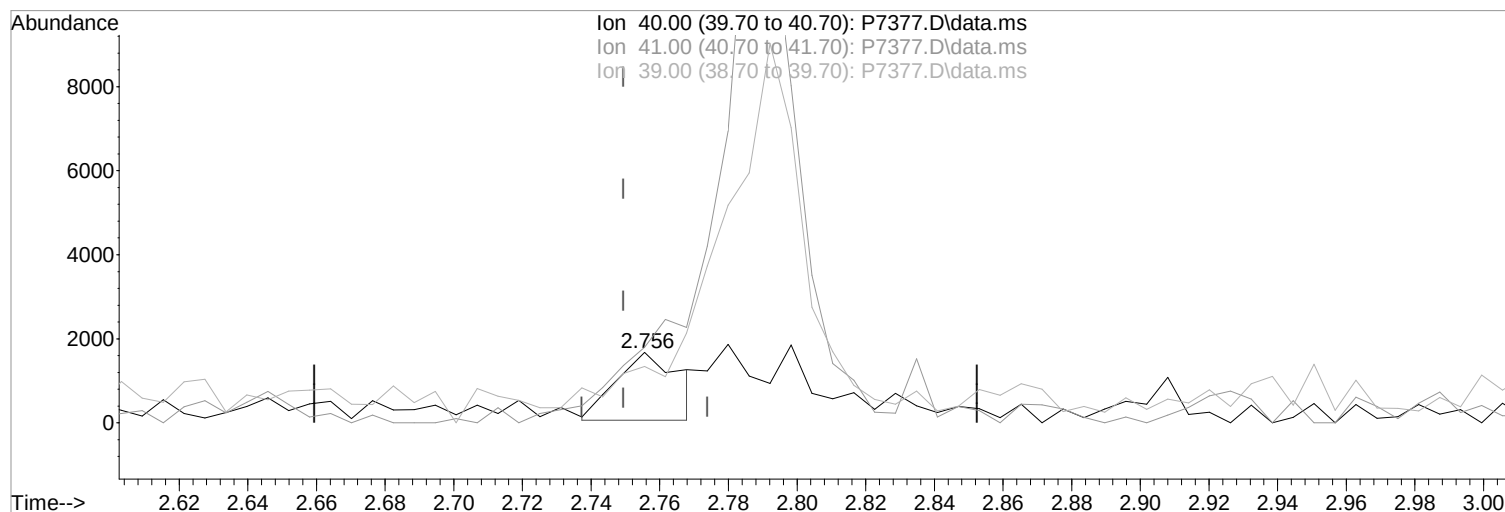
Ion	Exp%	Act%
45.00	100	100
43.00	21.80	26.42
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(19) Acetonitrile

2.756min (+0.006) 11.84 ppb m

response 2070

Ion	Exp%	Act%
40.00	100	100
41.00	161.50	107.46#
39.00	26.70	80.18#
0.00	0.00	0.00

Manual Integration:

After

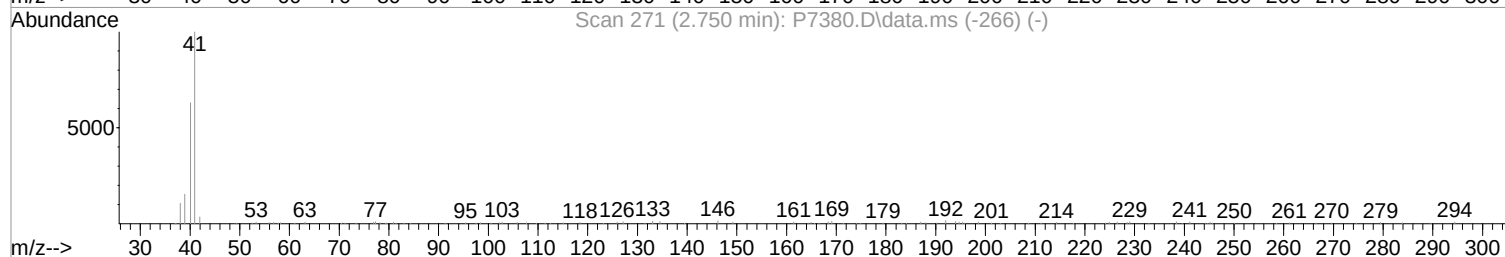
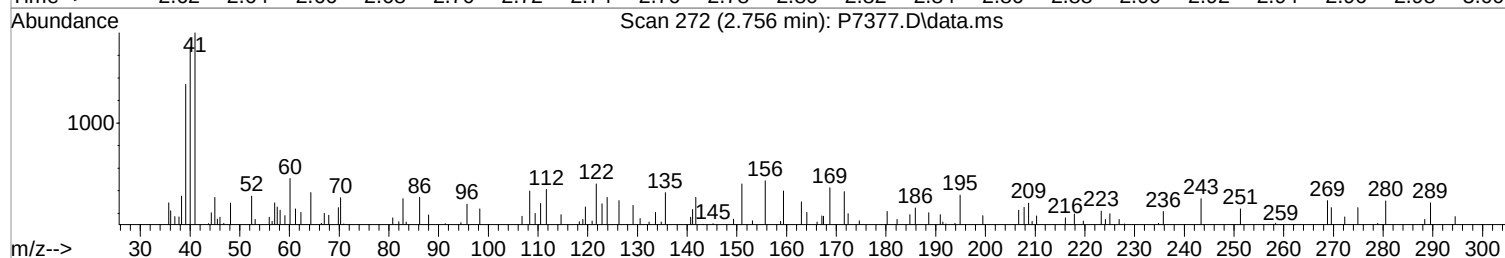
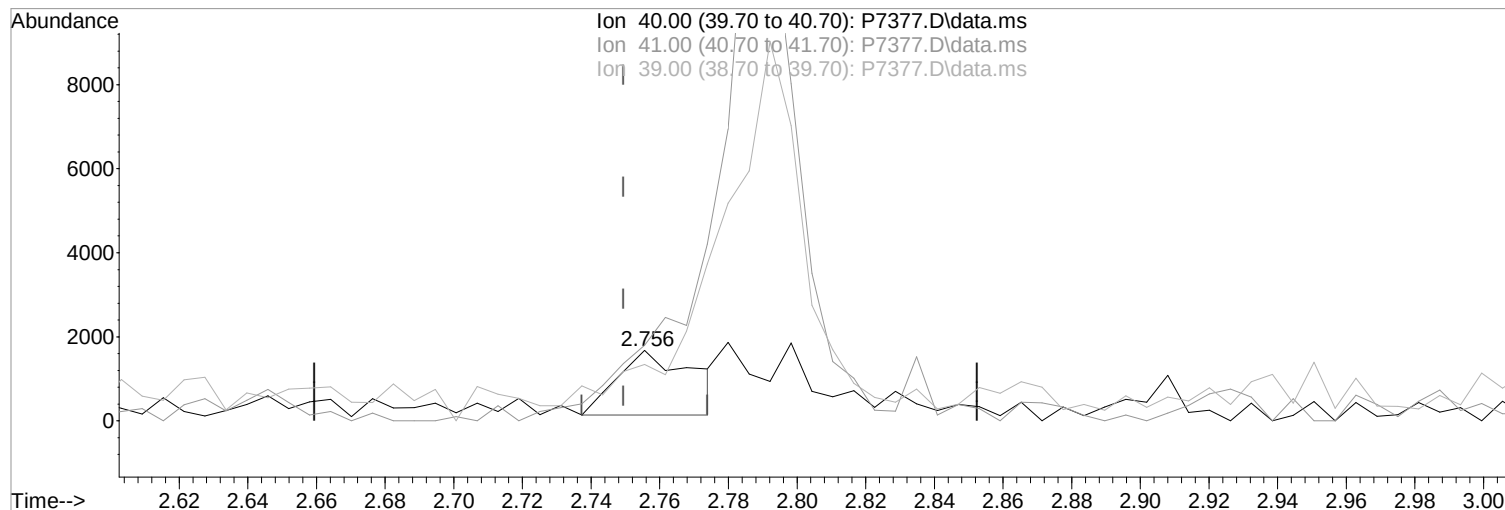
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(19) Acetonitrile

Manual Integration:

2.756min (+0.006) 13.36 ppb

Before

response 2336

Ion	Exp%	Act%

01/05/17

40.00	100	100

41.00	161.50	107.46#

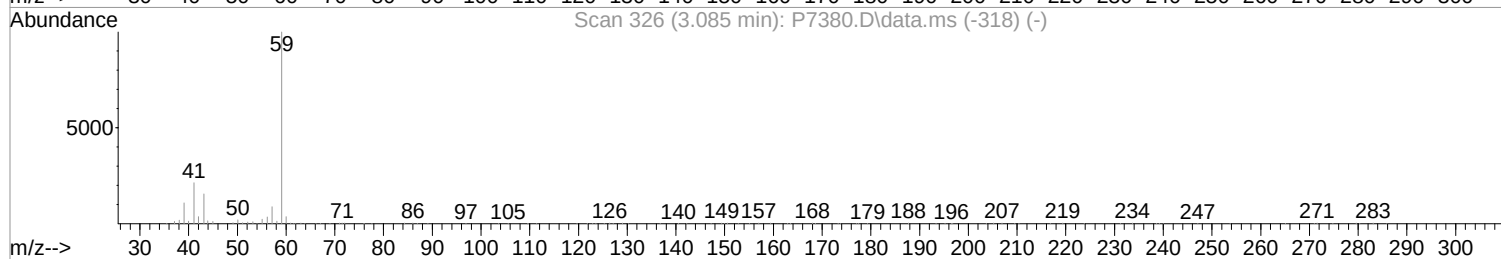
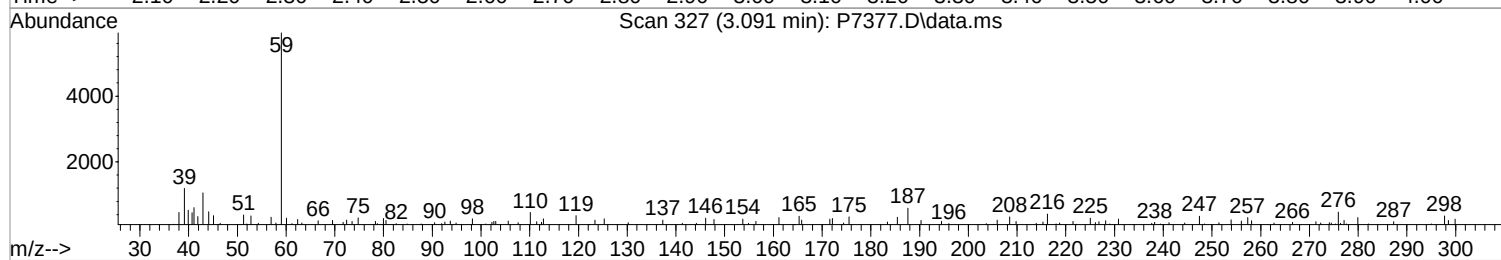
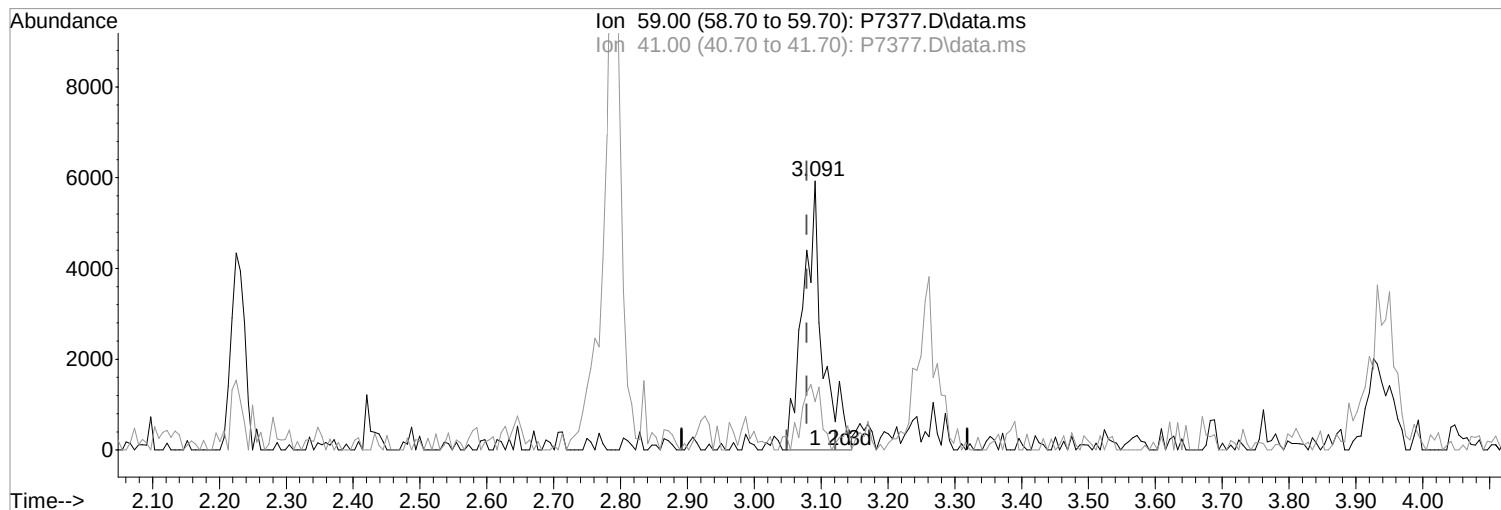
39.00	26.70	80.18#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(23) TBA

3.091min (+0.012) 39.23 ppb m

response 11970

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	10.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

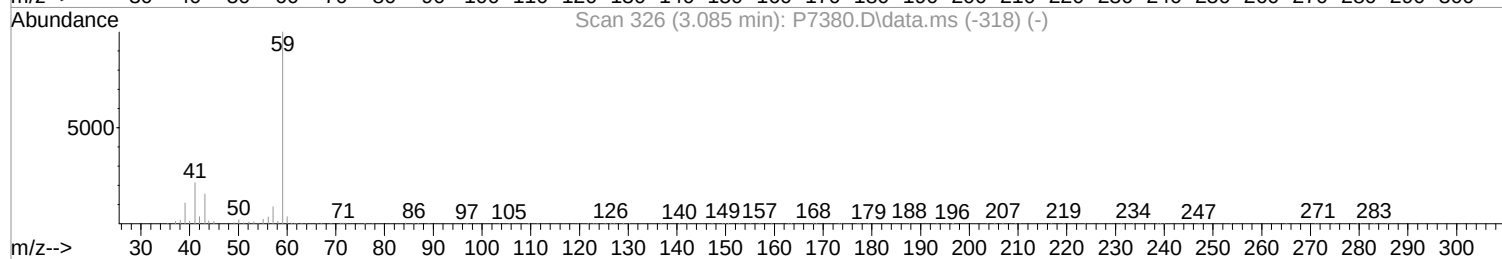
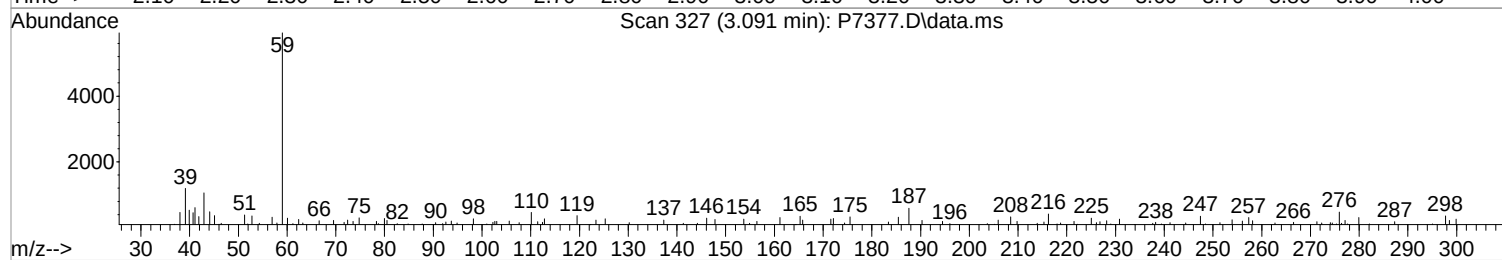
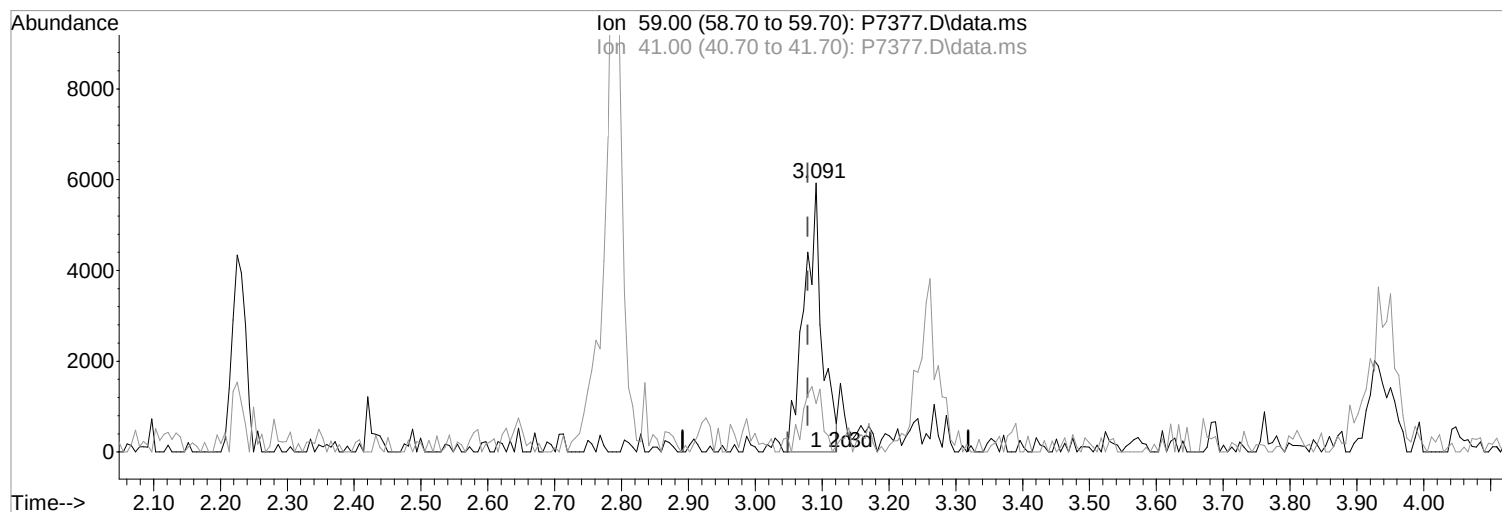
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(23) TBA

Manual Integration:

3.091min (+0.012) 35.76 ppb

Before

response 10910

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	18.01
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

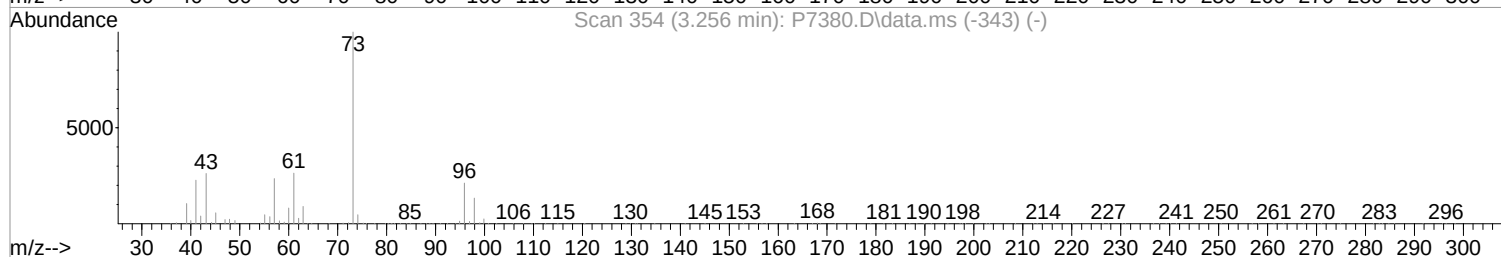
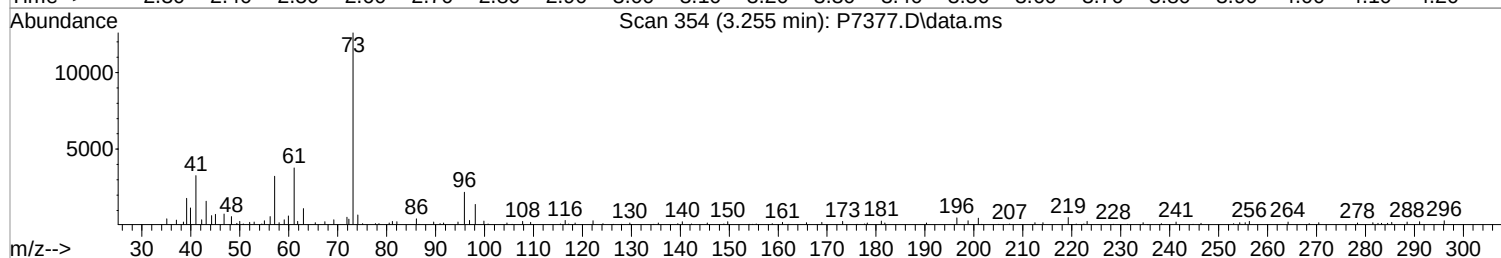
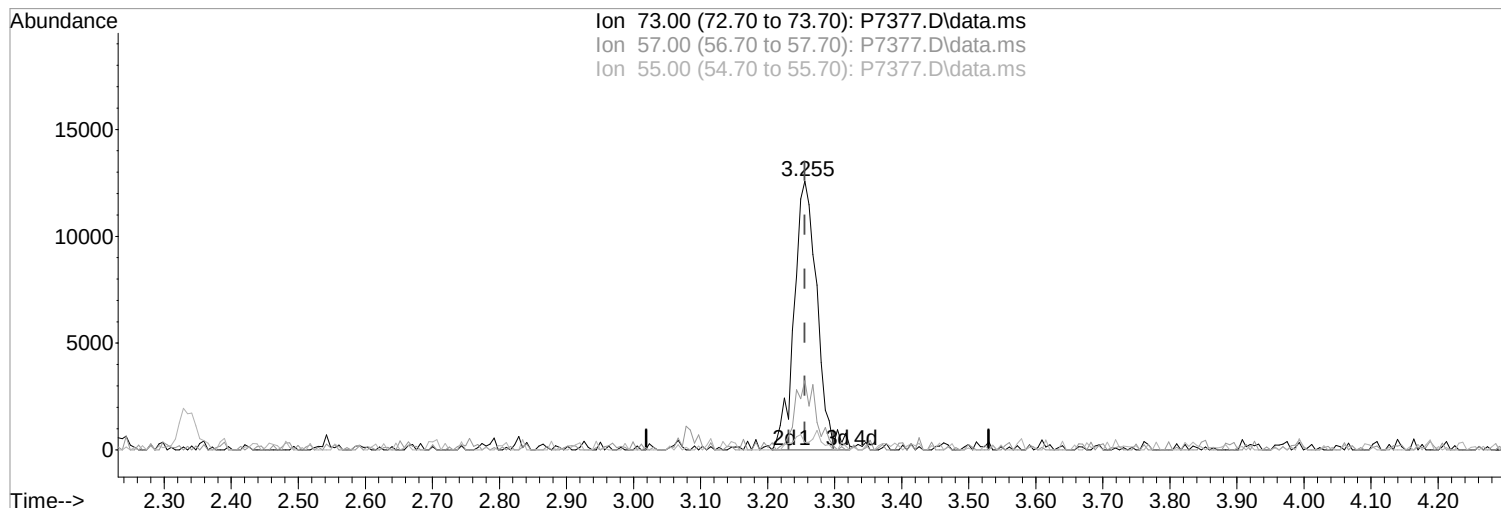
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(25) Methyl-t-Butyl Ether (P)

3.255min (+0.000) 2.11 ppb m

response 29852

Ion	Exp%	Act%
73.00	100	100
57.00	23.60	25.72
55.00	4.70	2.77
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

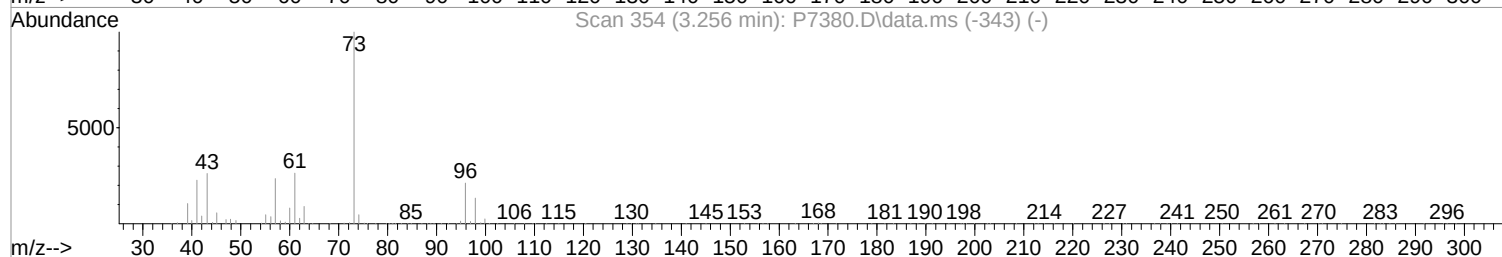
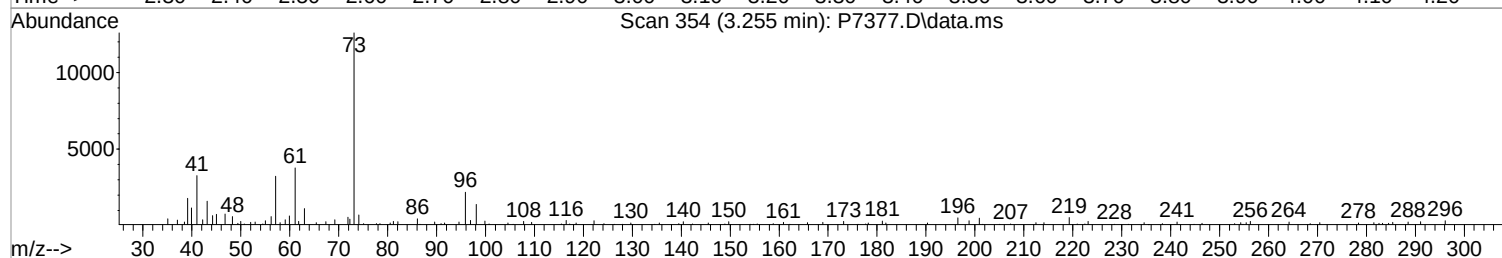
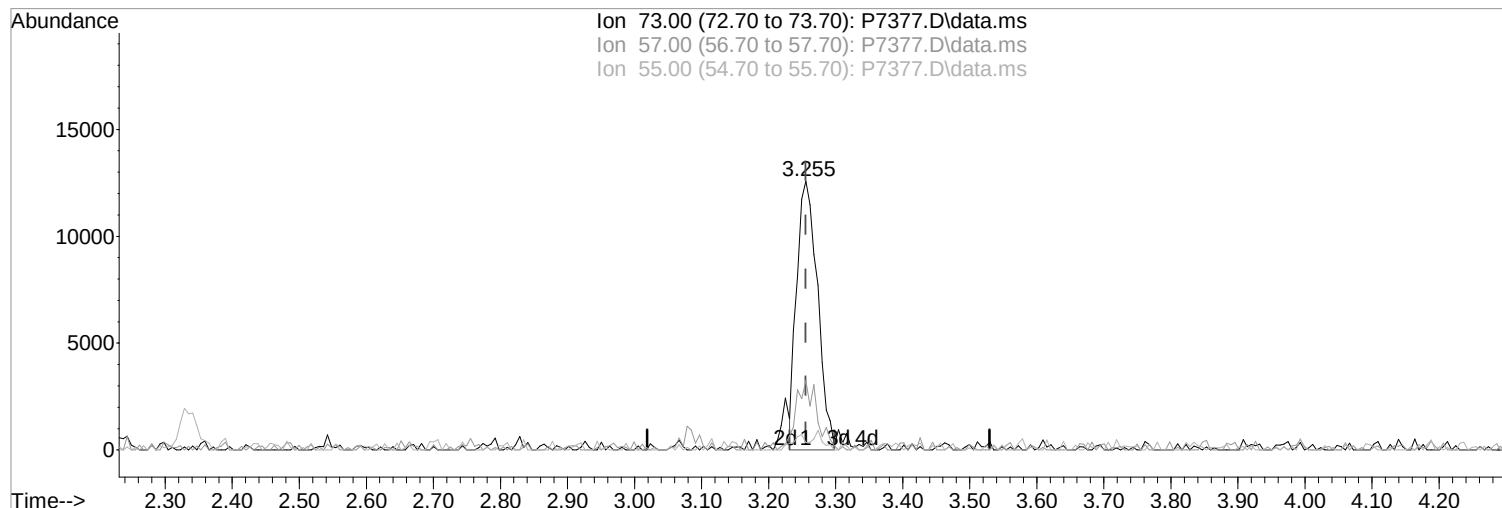
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(25) Methyl-t-Butyl Ether (P)

Manual Integration:

3.255min (+0.000) 1.91 ppb

Before

response 27055

Ion	Exp%	Act%
73.00	100	100
57.00	23.60	25.72
55.00	4.70	2.77
0.00	0.00	0.00

01/05/17

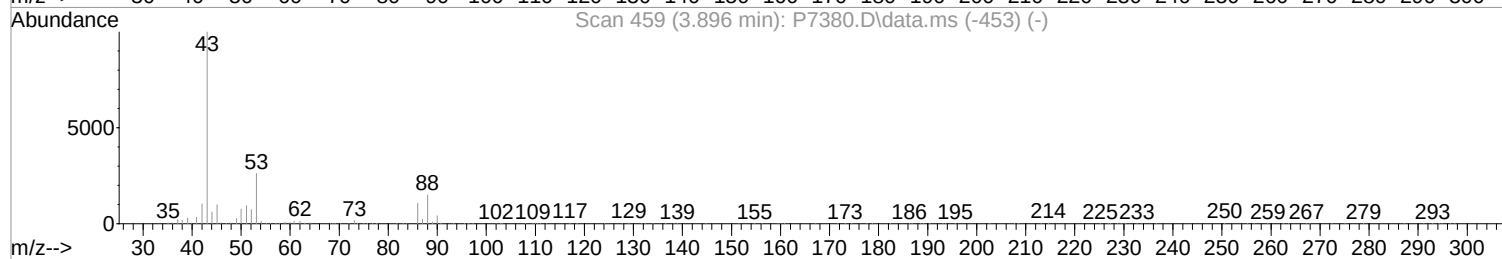
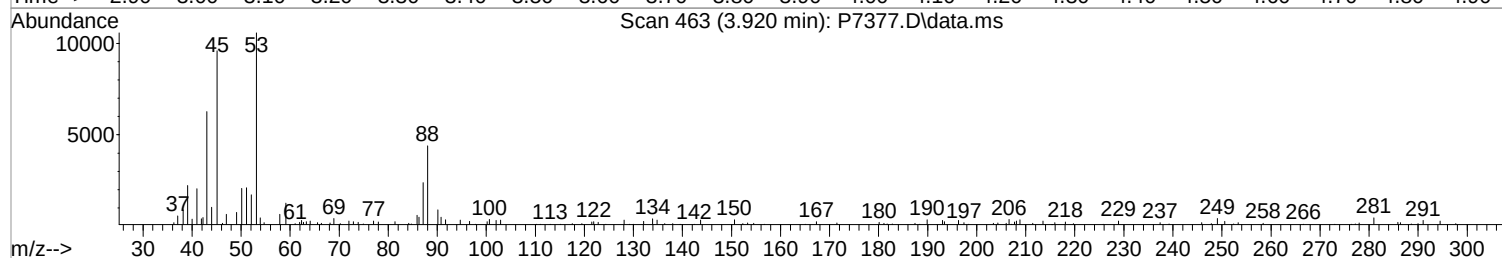
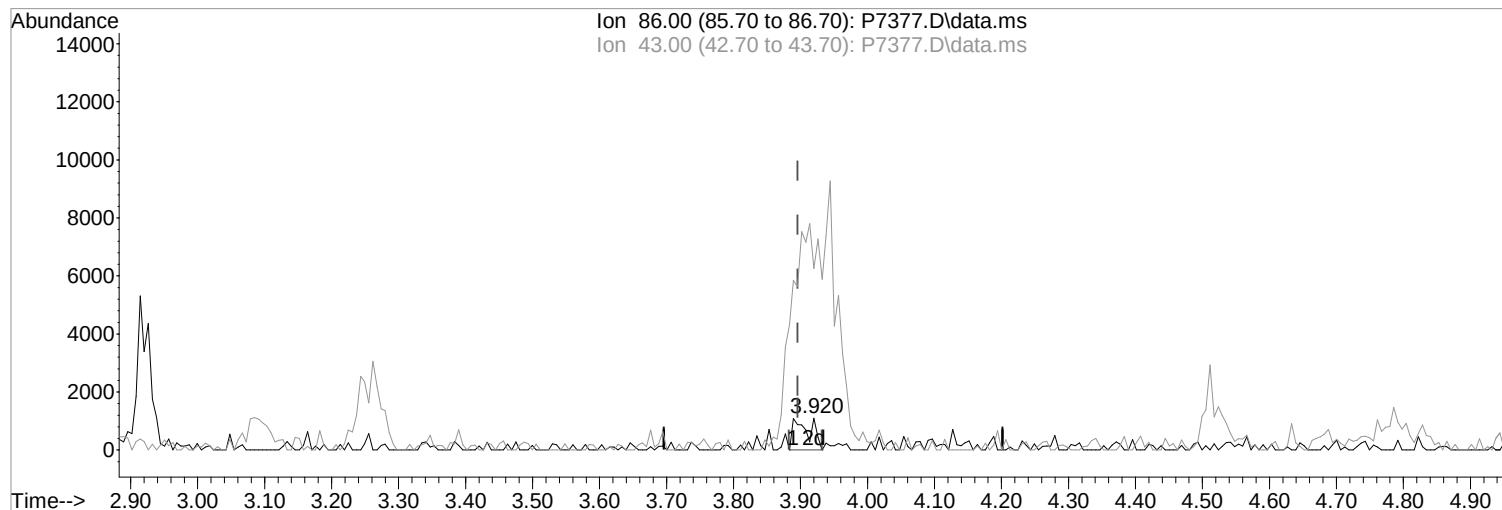
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(29) Vinyl Acetate

Manual Integration:

3.920min (+0.024) 1.92 ppb m

After

response 1949

Poor integration.

Ion	Exp%	Act%
86.00	100	100
43.00	951.10	1041.76#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

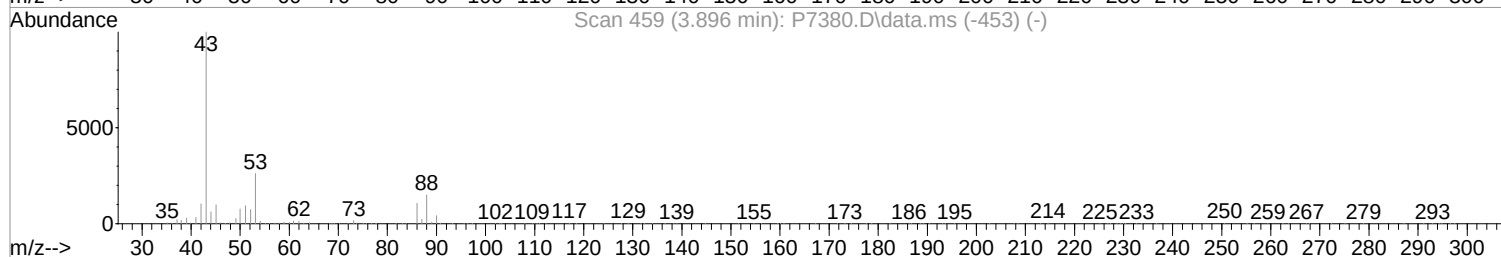
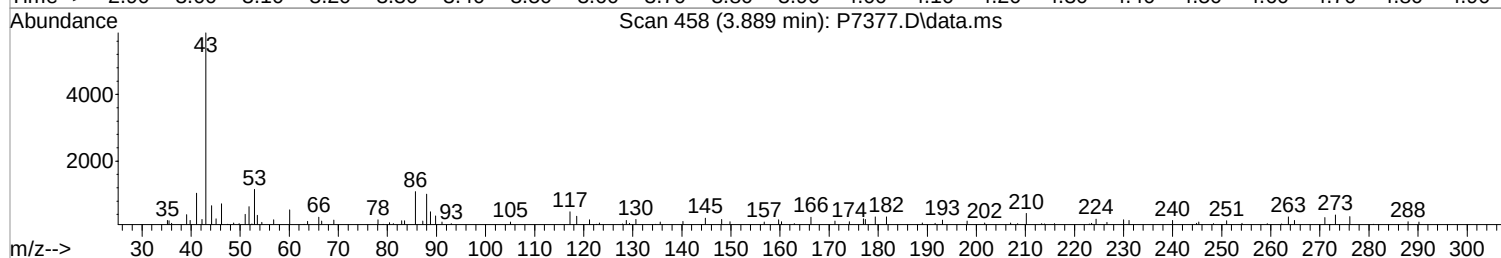
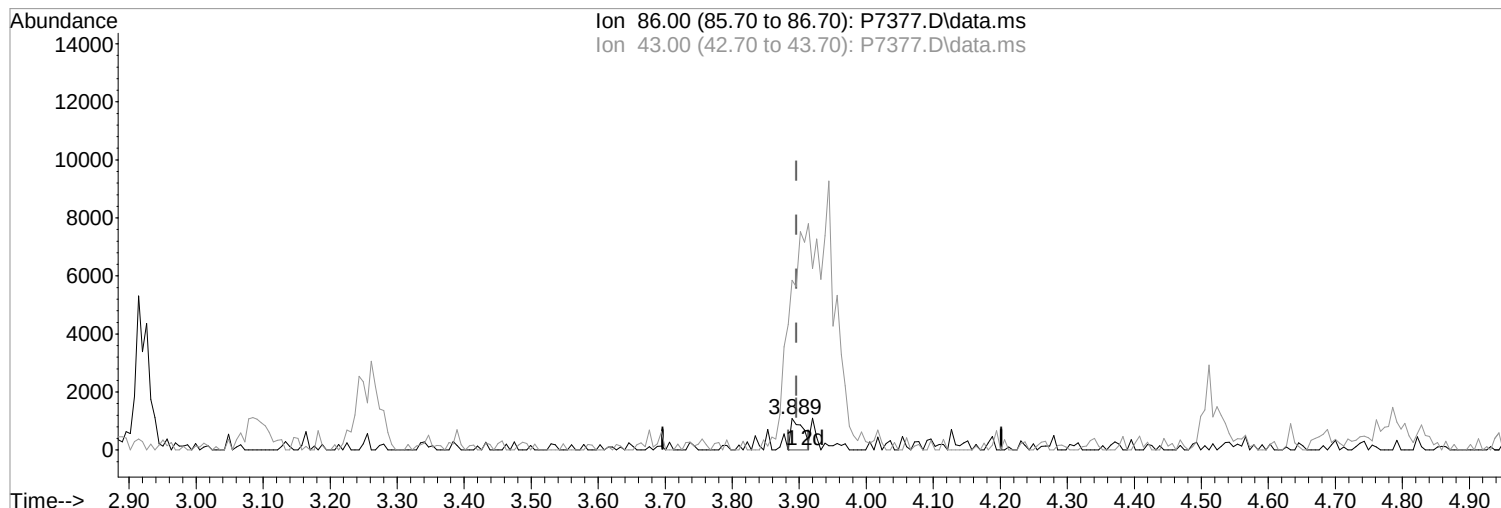
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(29) Vinyl Acetate

Manual Integration:

3.889min (-0.006) 1.37 ppb

Before

response 1387

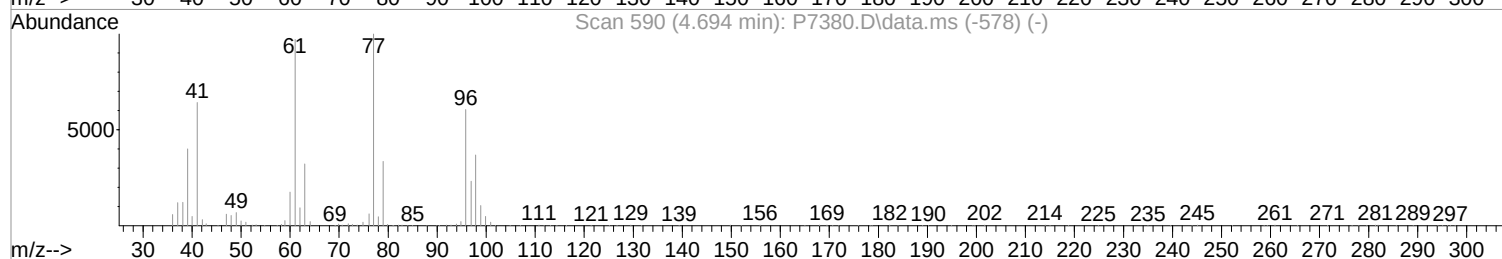
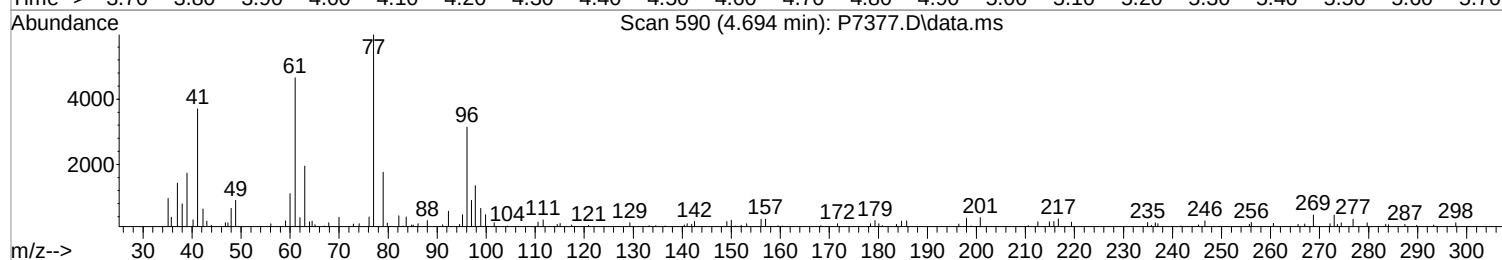
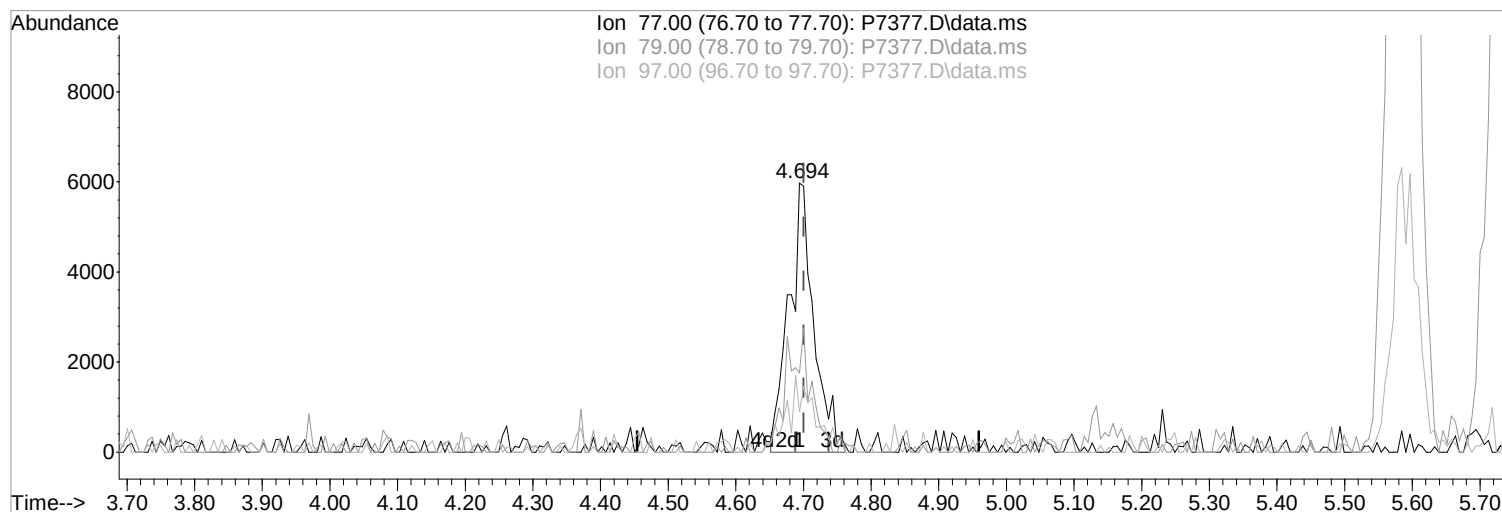
Ion	Exp%	Act%
86.00	100	100
43.00	951.10	541.35#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(33) 2,2-Dichloropropane

4.694min (-0.006) 1.85 ppb m

response 15192

Ion	Exp%	Act%
77.00	100	100
79.00	33.80	29.48
97.00	23.20	15.08
0.00	0.00	0.00

Manual Integration:

After

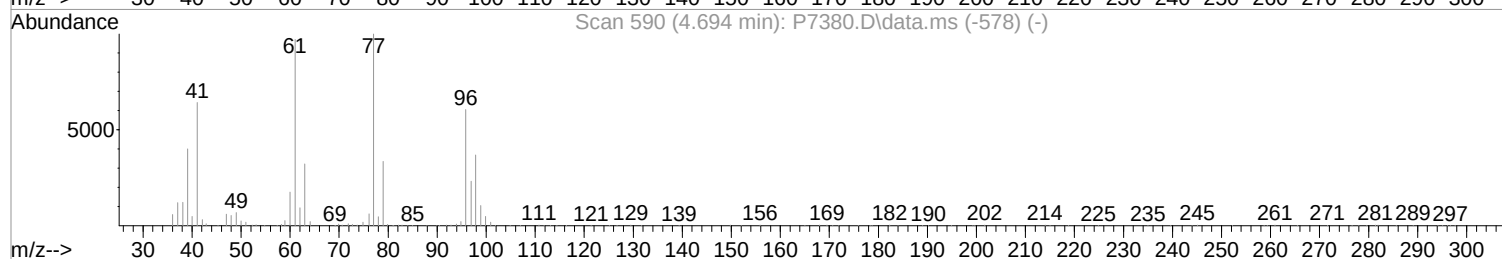
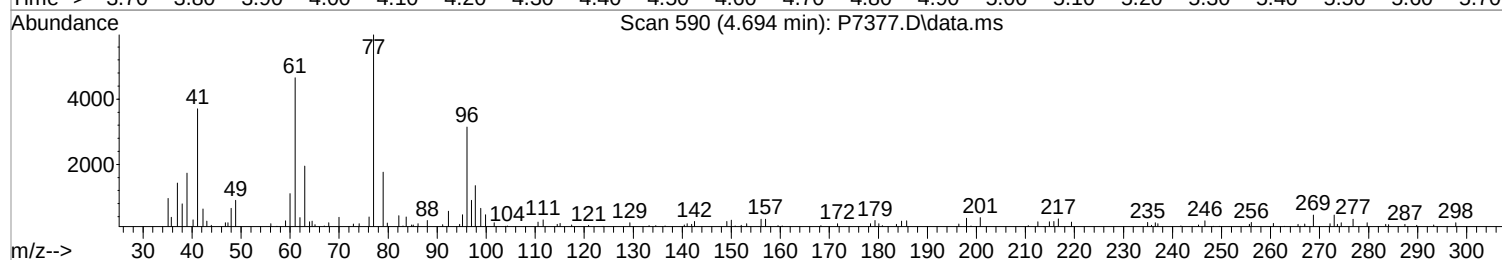
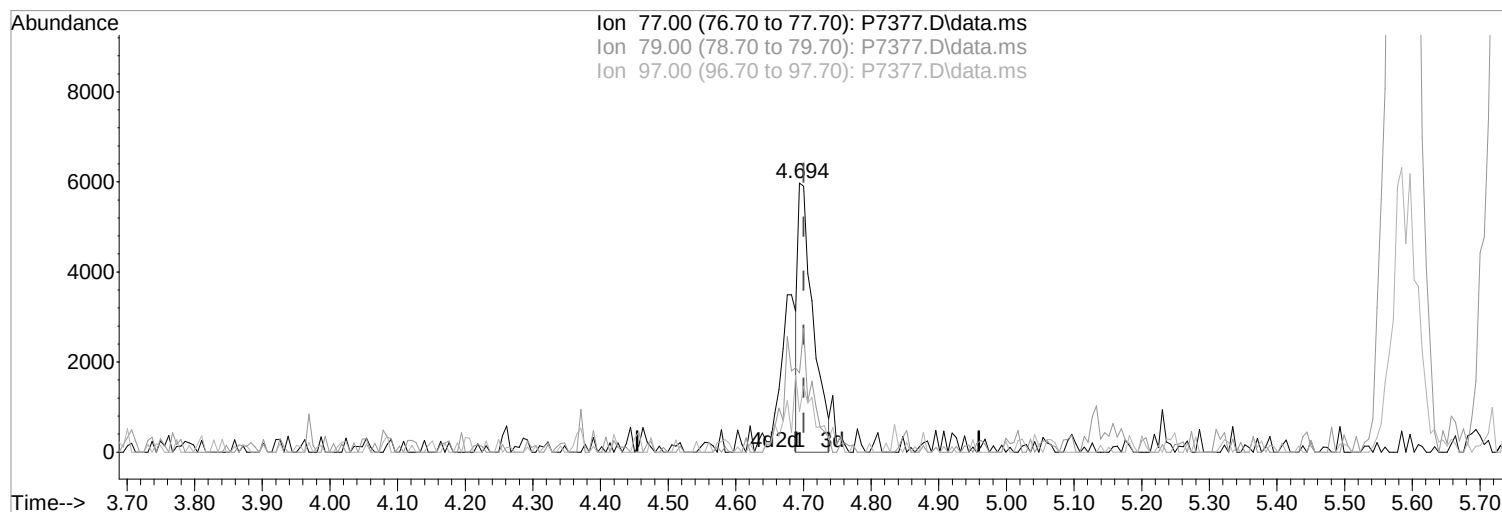
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(33) 2,2-Dichloropropane

Manual Integration:

4.694min (-0.006) 1.11 ppb

Before

response 9119

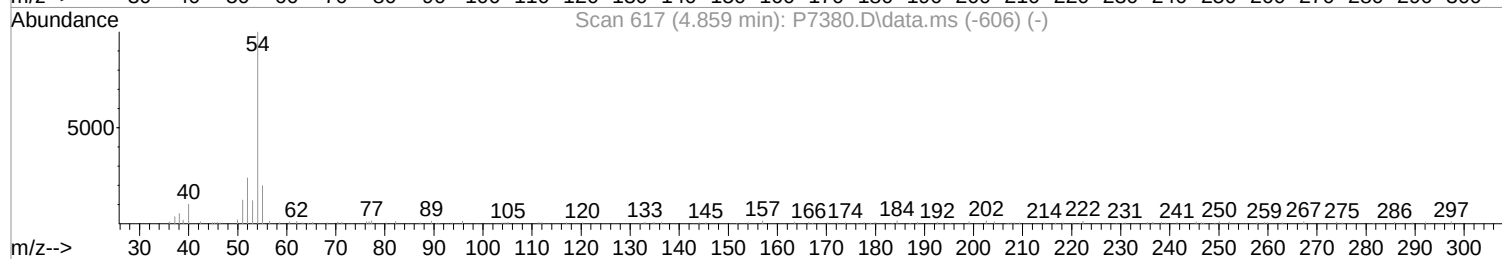
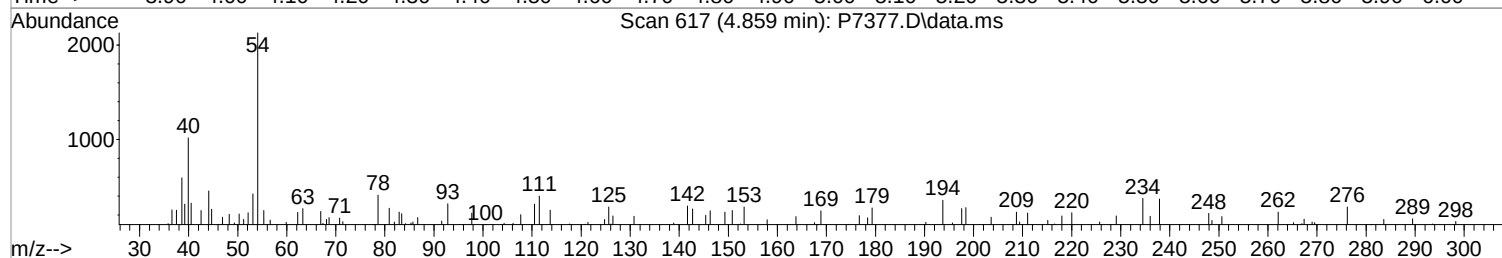
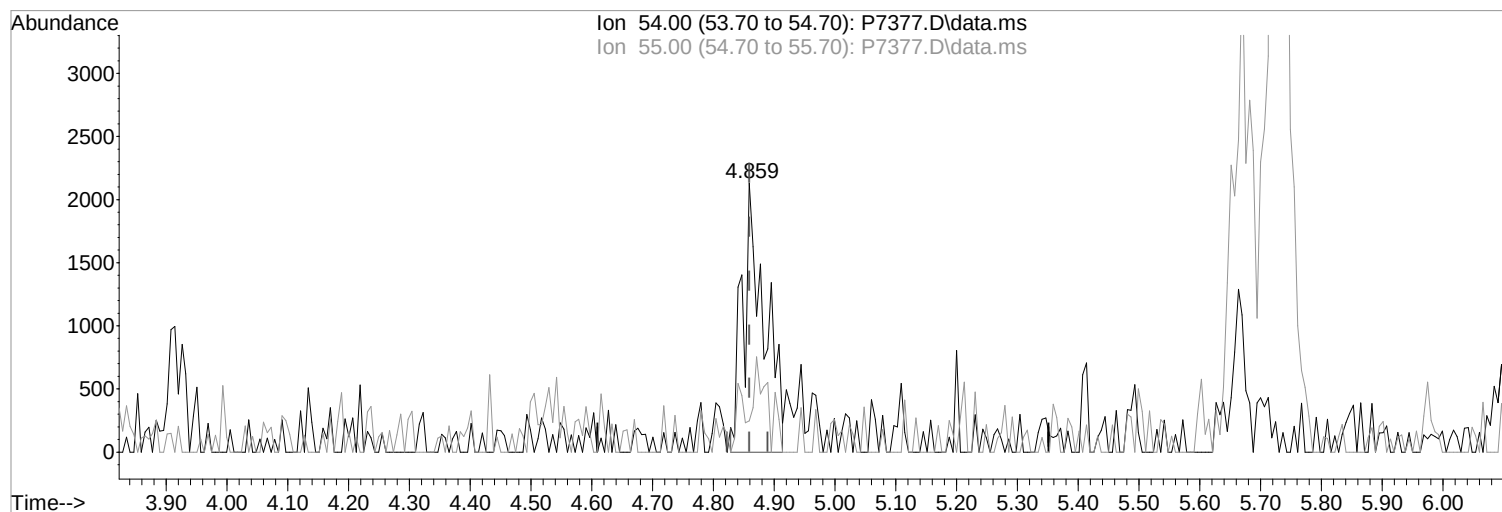
Ion	Exp%	Act%
77.00	100	100
79.00	33.80	29.48
97.00	23.20	15.08
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(36) Propionitrile

Manual Integration:

4.859min (+0.000) 10.35 ppb m

After

response 5200

Split Peak

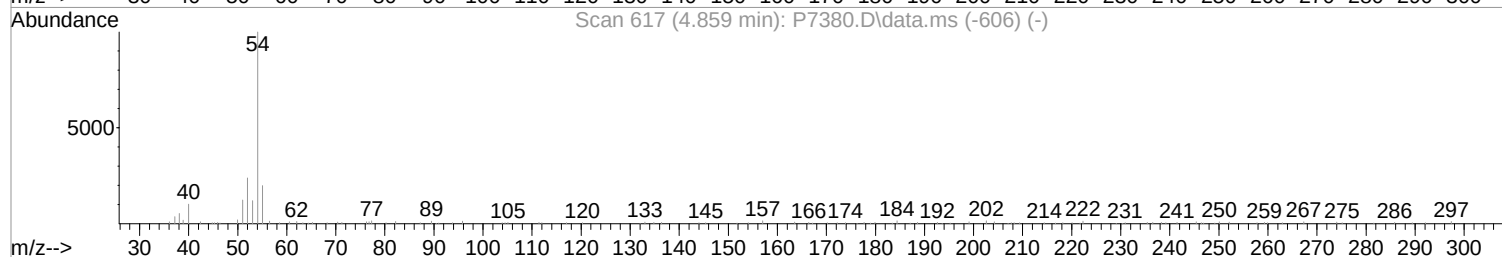
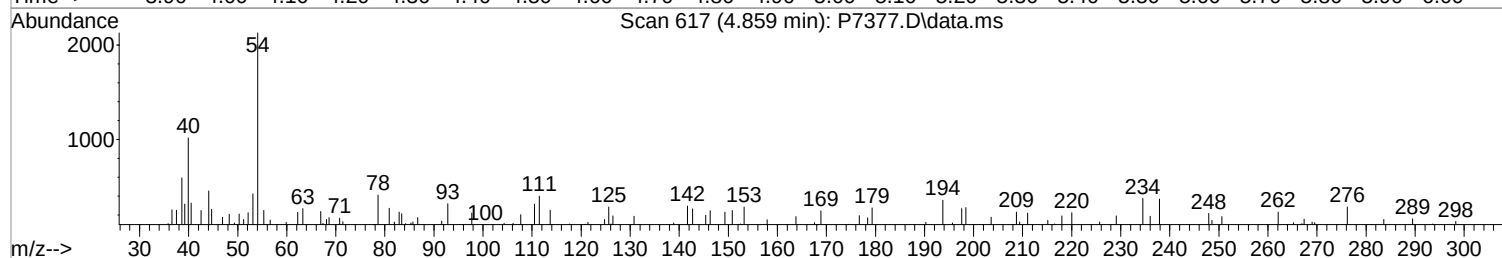
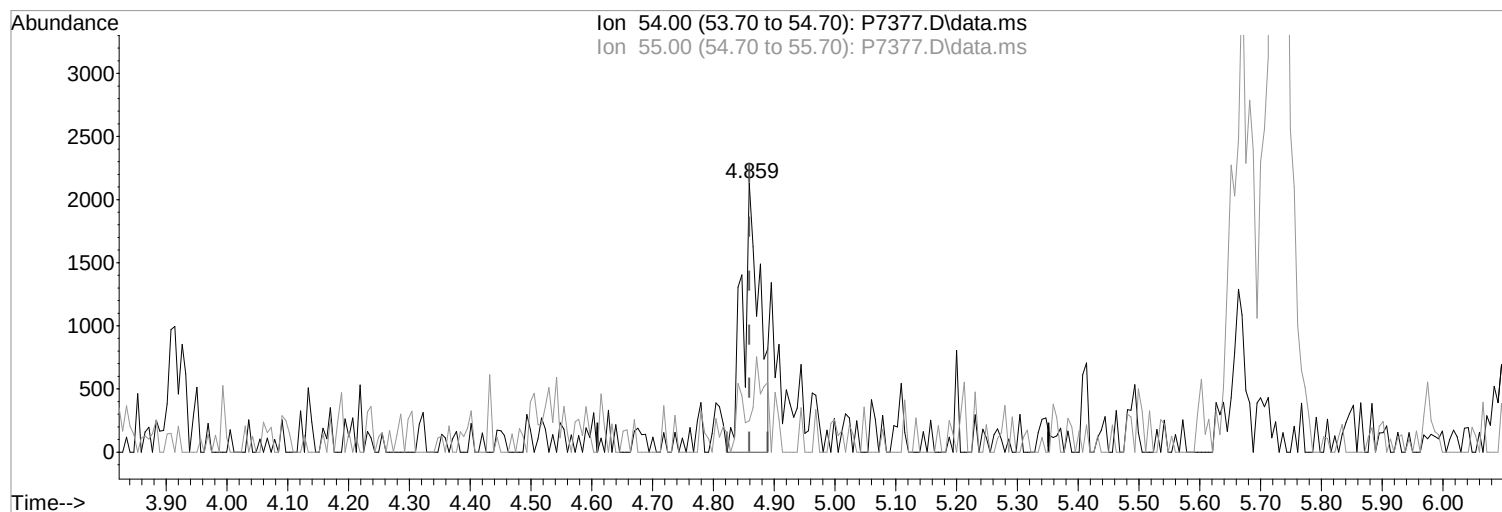
Ion	Exp%	Act%
54.00	100	100
55.00	20.30	11.64
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(36) Propionitrile

Manual Integration:

4.859min (+0.000) 8.30 ppb

Before

response 4171

Ion	Exp%	Act%
54.00	100	100
55.00	20.30	11.64
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

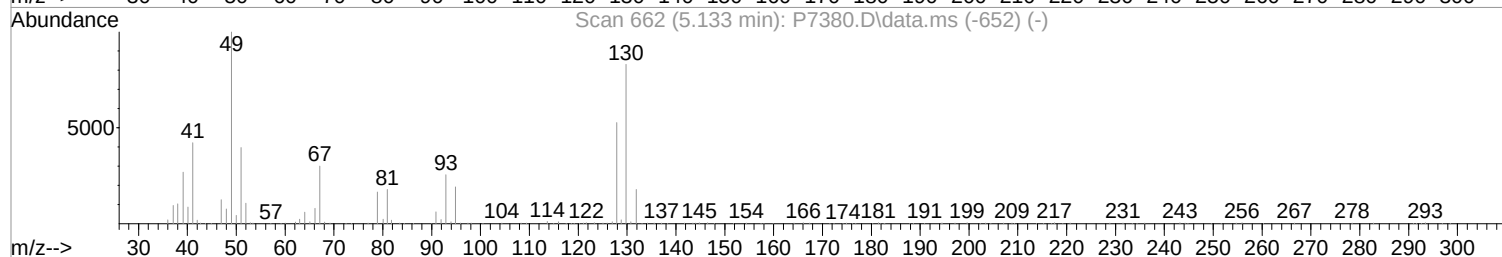
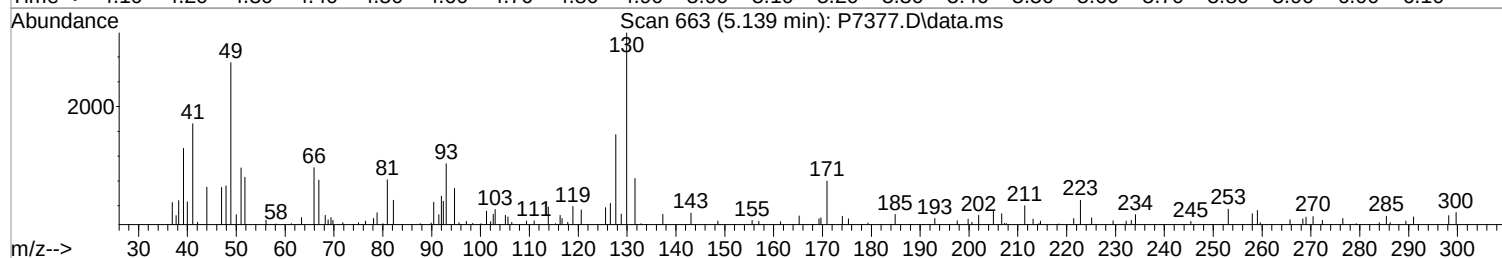
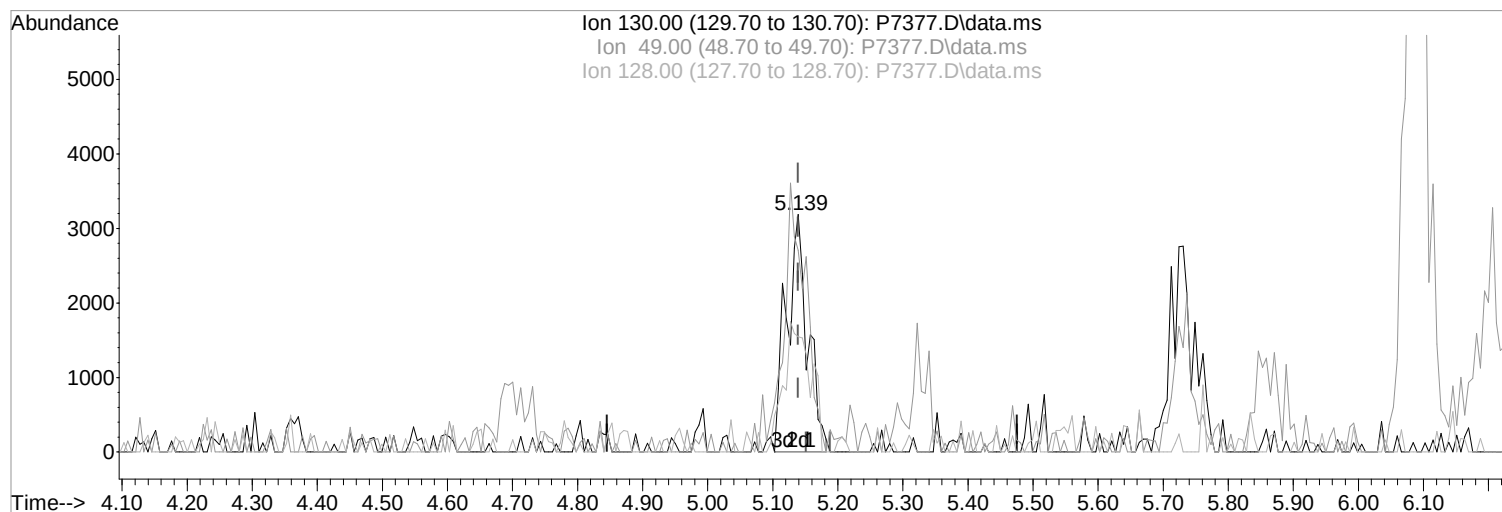
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(37) Bromochloromethane

Manual Integration:

5.139min (+0.000) 2.01 ppb m

After

response 7242

Split Peak

Ion	Exp%	Act%
130.00	100	100
49.00	120.70	84.92#
128.00	64.20	48.57
0.00	0.00	0.00

01/05/17

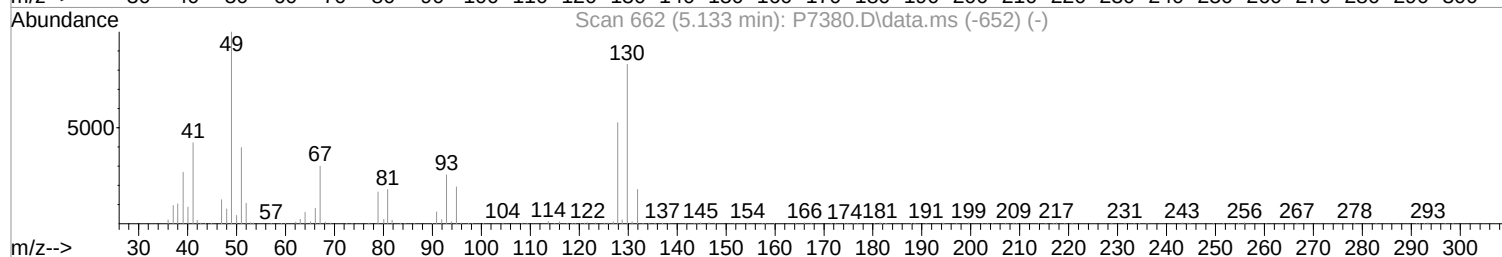
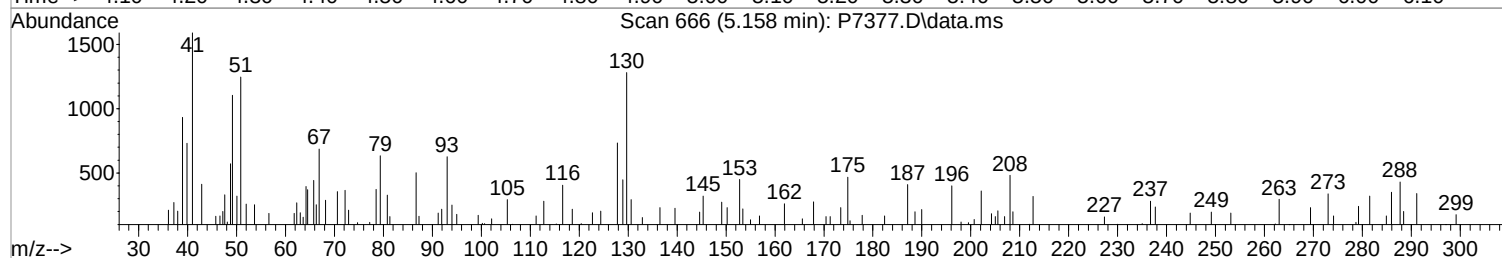
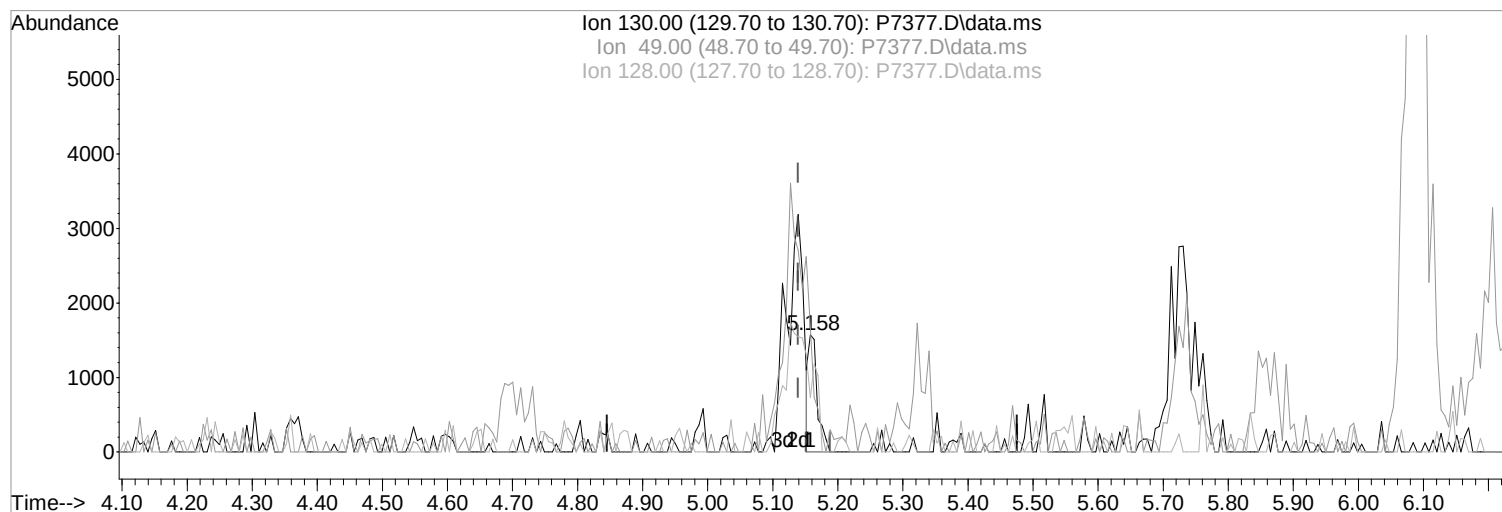
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(37) Bromochloromethane

Manual Integration:

5.158min (+0.018) 0.41 ppb

Before

response 1480

Ion	Exp%	Act%

01/05/17

130.00	100	100

49.00	120.70	106.48

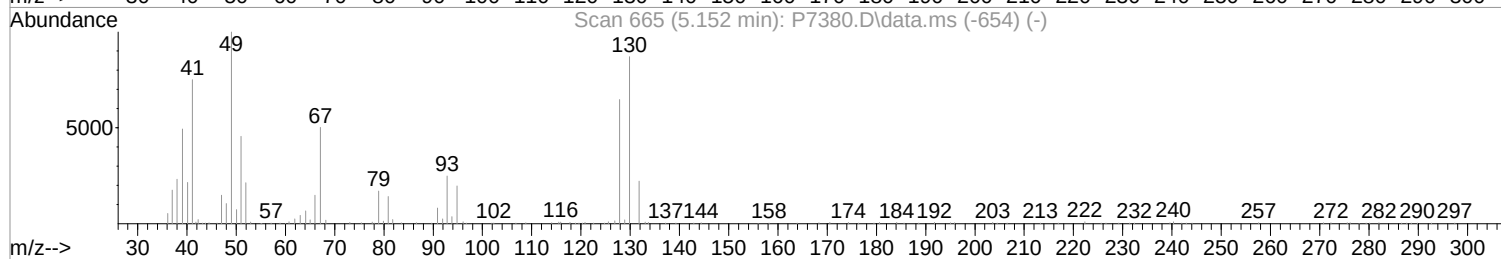
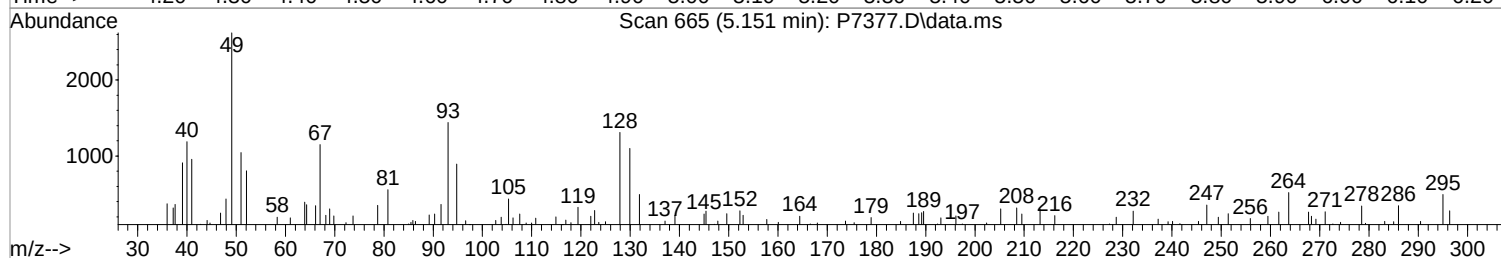
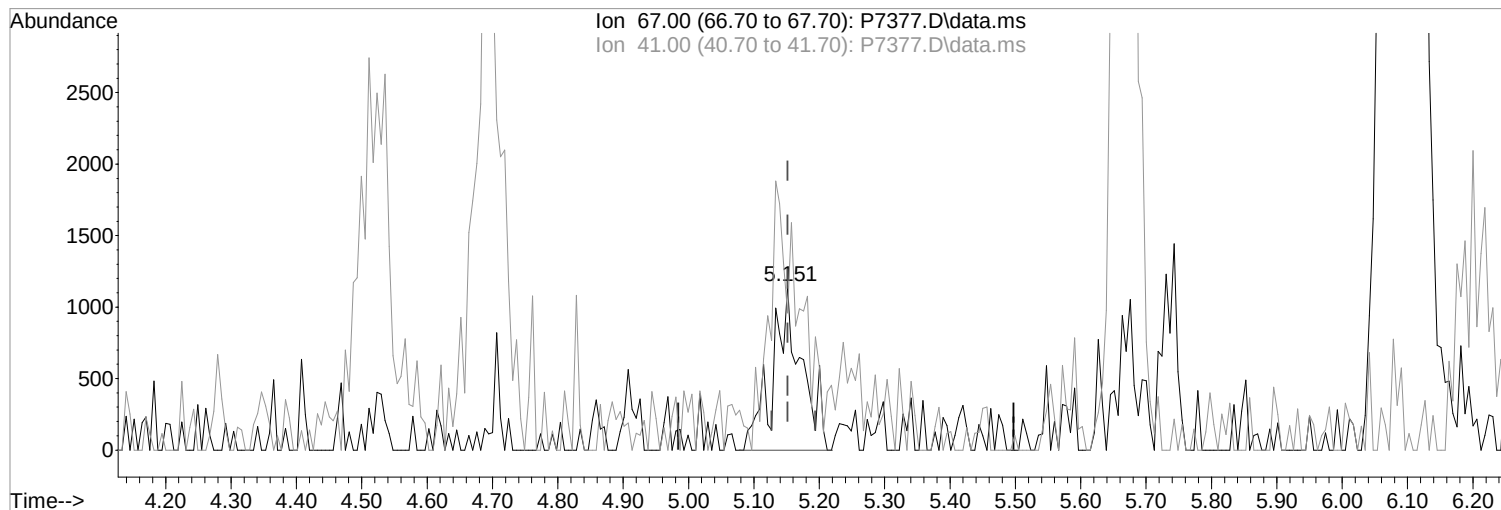
128.00	64.20	46.57

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(38) Methacrylonitrile

Manual Integration:

5.151min (+0.000) 2.18 ppb m

After

response 3519

Split Peak

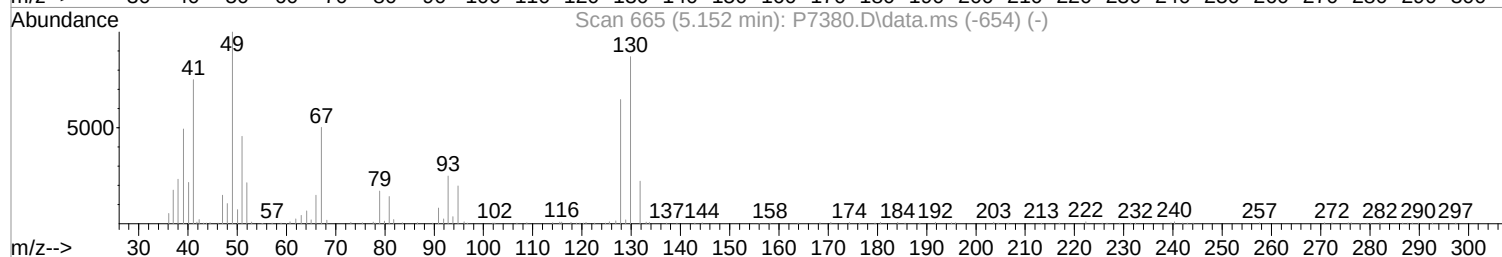
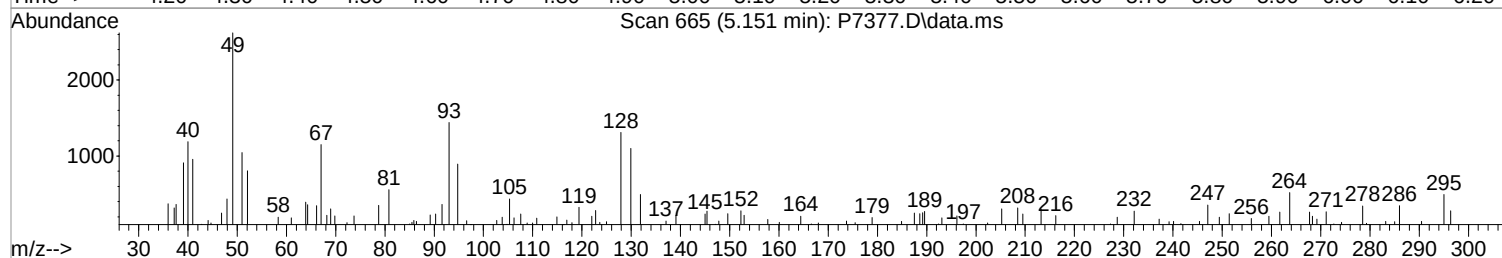
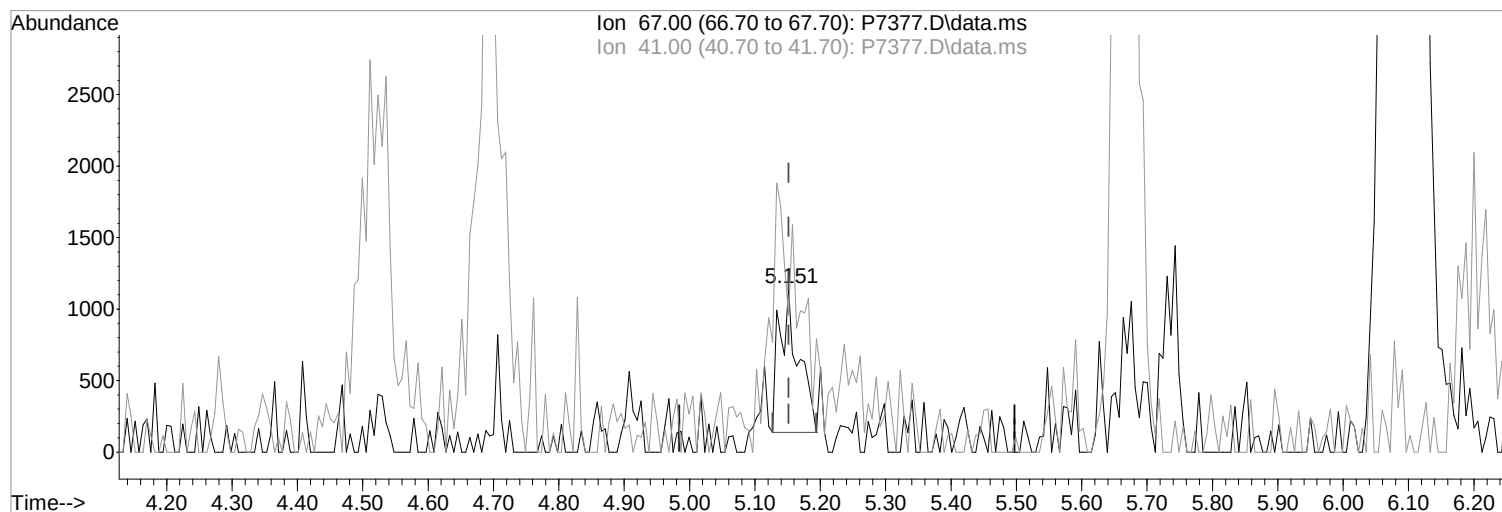
Ion	Exp%	Act%
67.00	100	100
41.00	150.60	83.39#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(38) Methacrylonitrile

Manual Integration:

5.151min (+0.000) 1.27 ppb

Before

response 2059

Ion	Exp%	Act%
67.00	100	100
41.00	150.60	83.39#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

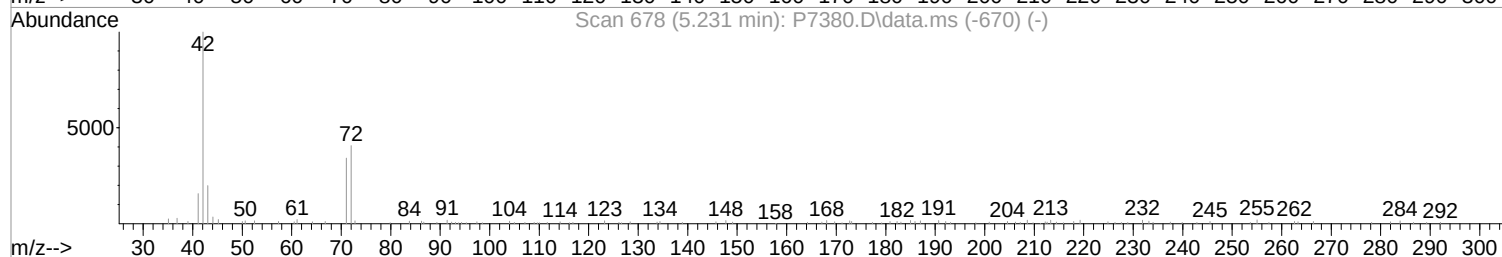
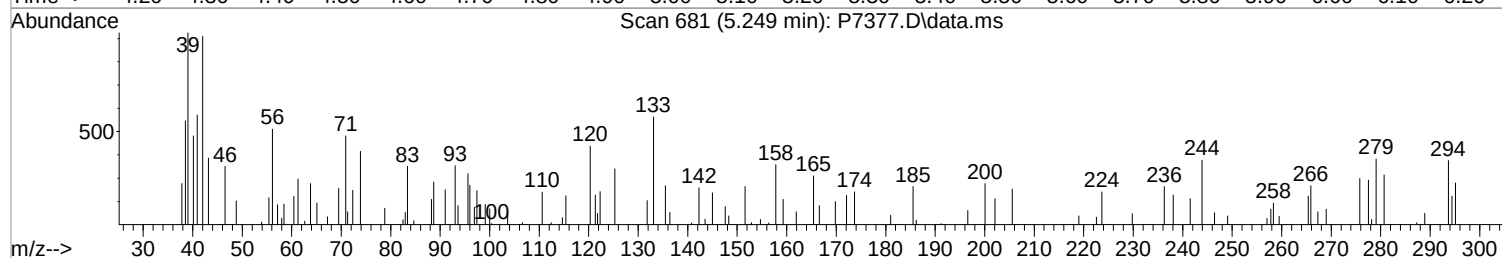
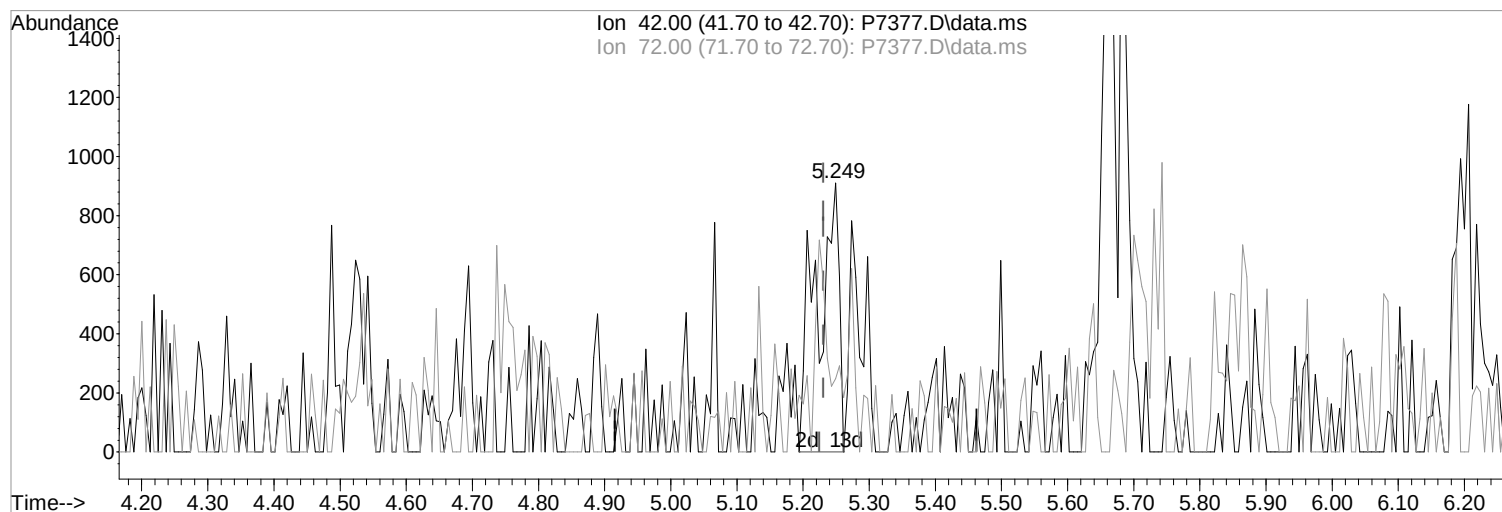
Quantitation Report (Qedit)

1st *12* 01/05/17
2nd *FJ* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(39) Tetrahydrofuran

Manual Integration:

5.249min (+0.018) 2.01 ppb m

After

response 2107

Poor integration.

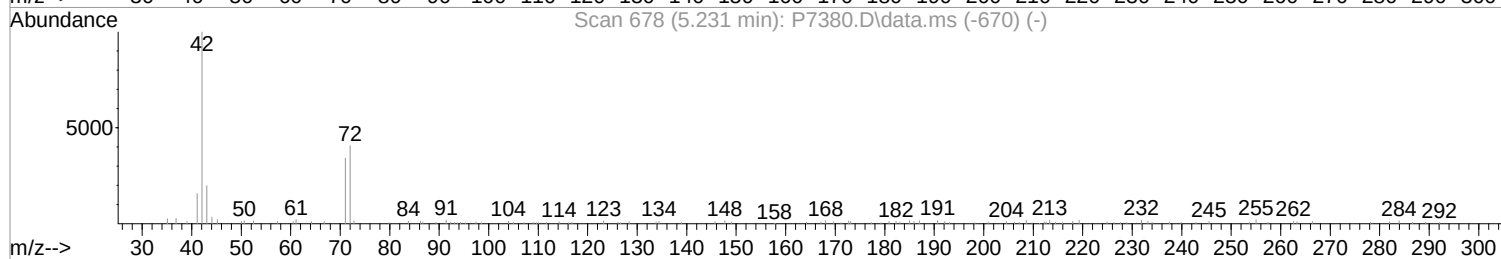
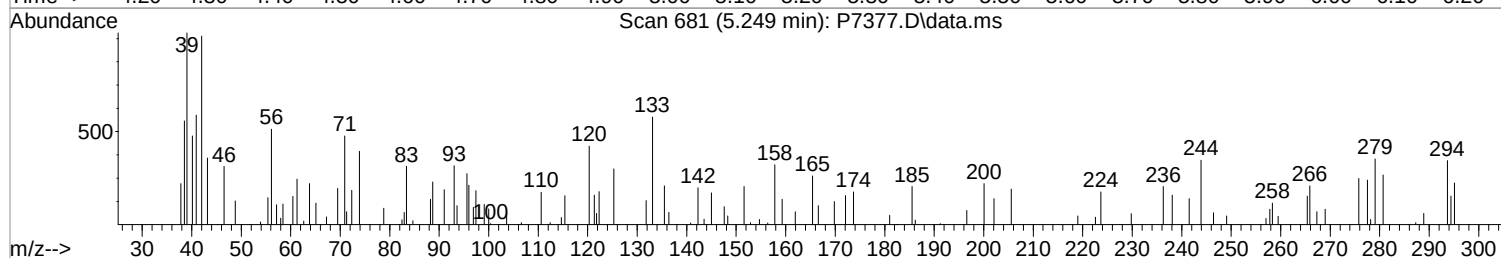
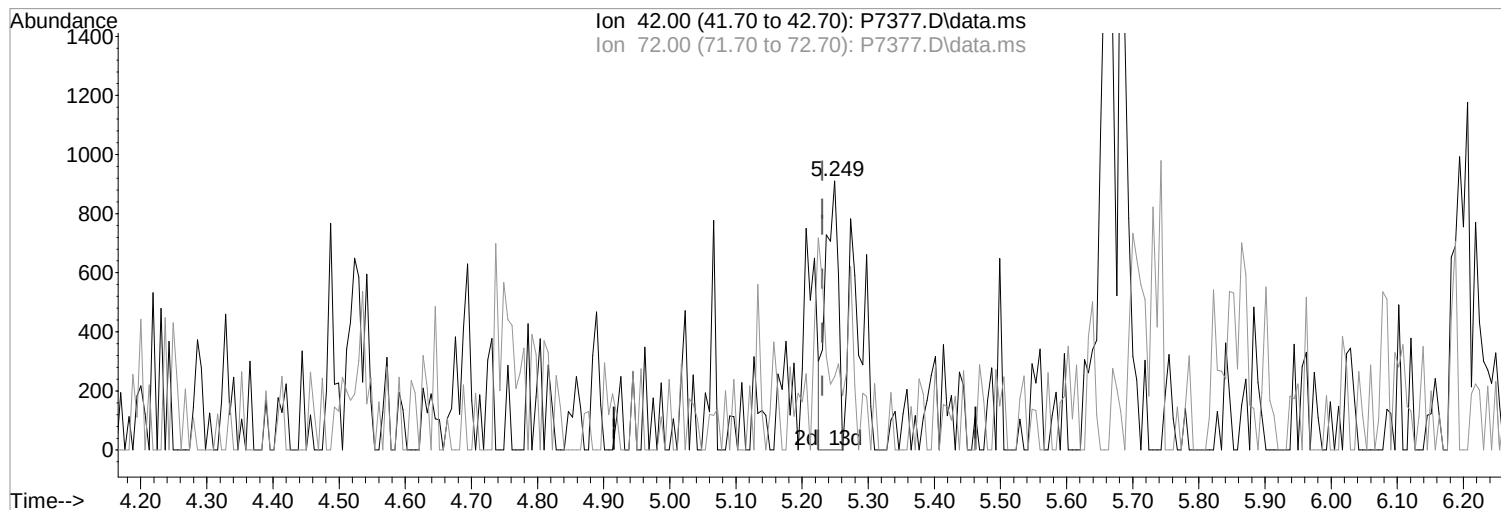
Ion	Exp%	Act%
42.00	100	100
72.00	39.90	27.25
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(39) Tetrahydrofuran

Manual Integration:

5.249min (+0.018) 1.14 ppb

Before

response 1200

Ion	Exp%	Act%
42.00	100	100
72.00	39.90	27.25
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

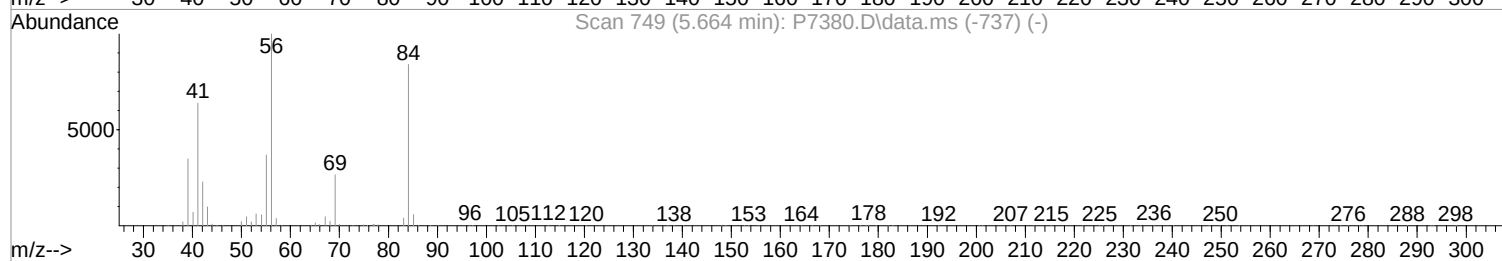
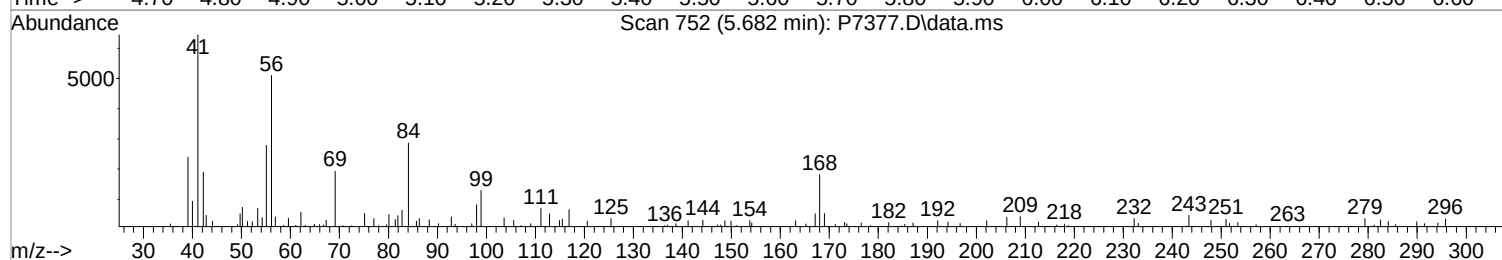
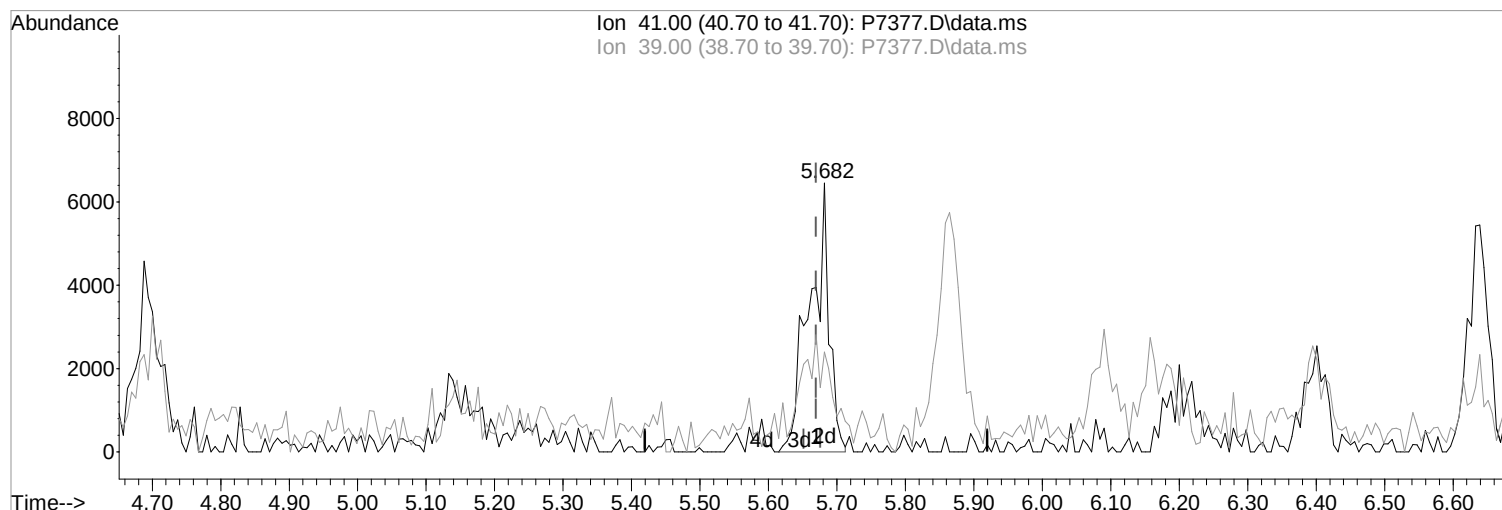
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(44) Cyclohexane (P)

Manual Integration:

5.682min (+0.012) 2.01 ppb m

After

response 12813

Split Peak

Ion	Exp%	Act%
41.00	100	100
39.00	55.60	37.22
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

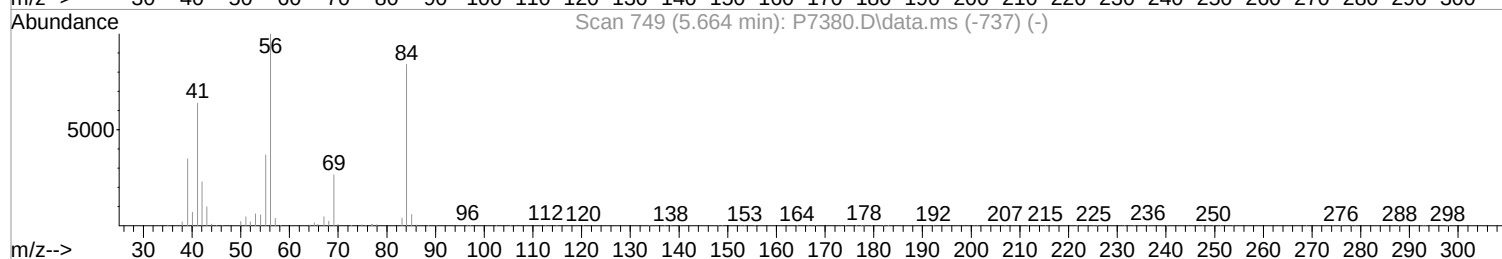
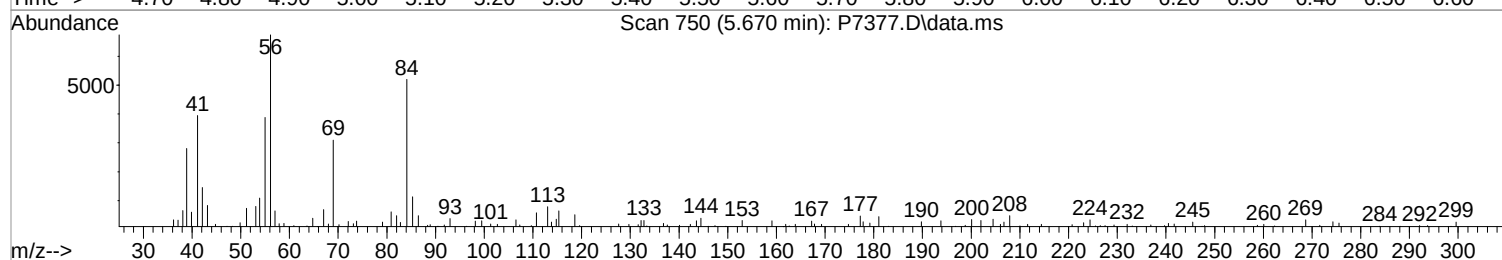
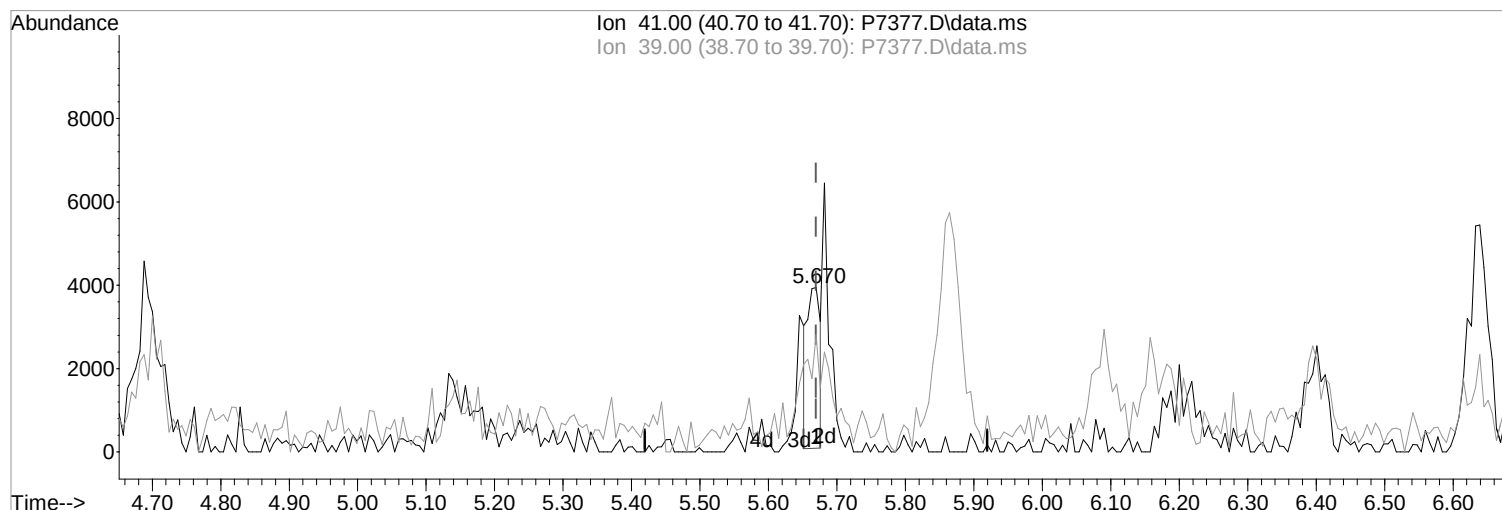
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(44) Cyclohexane (P)

Manual Integration:

5.670min (+0.000) 0.79 ppb

Before

response 5056

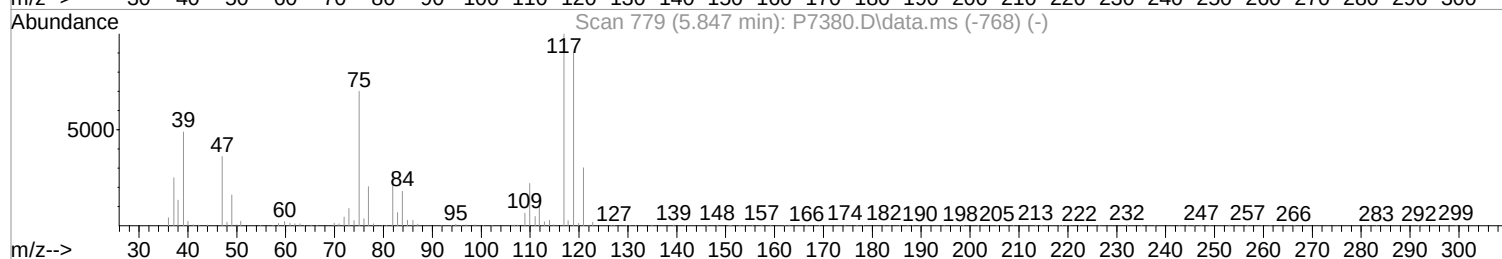
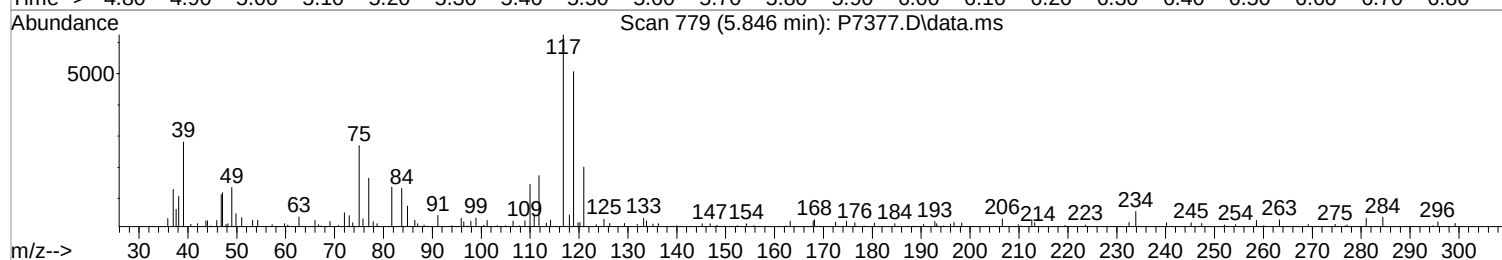
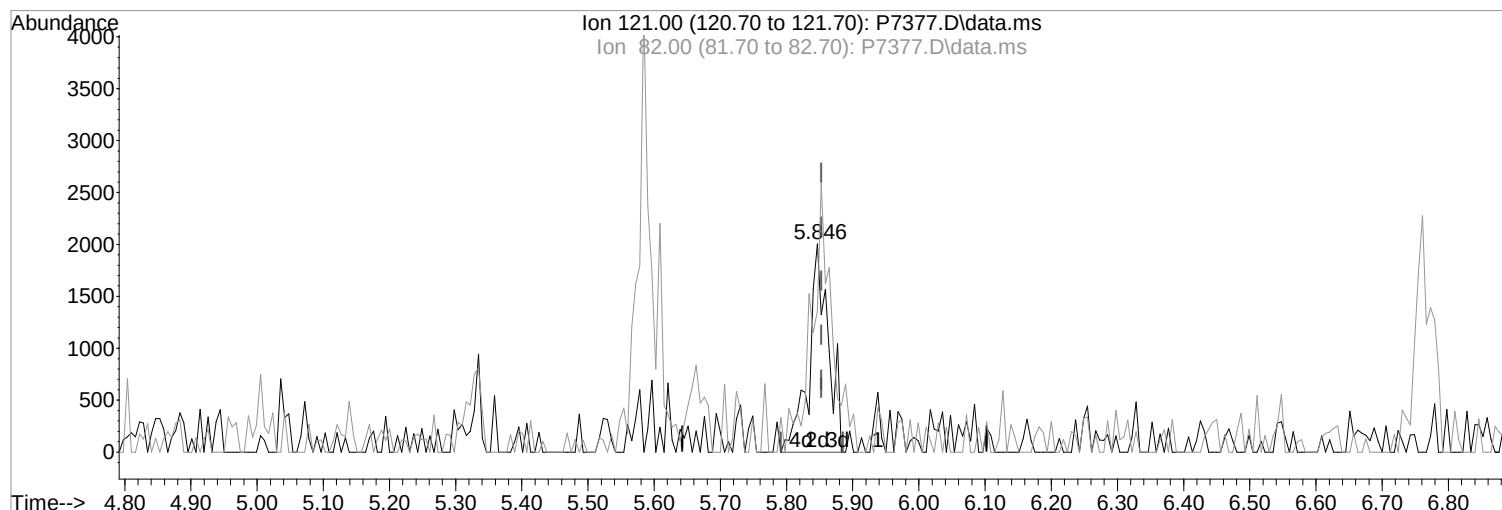
Ion	Exp%	Act%
41.00	100	100
39.00	55.60	71.11
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(46) Carbontetrachloride (P)

5.846min (-0.006) 1.83 ppb m

response 4111

Ion	Exp%	Act%
121.00	100	100
82.00	93.70	67.86#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

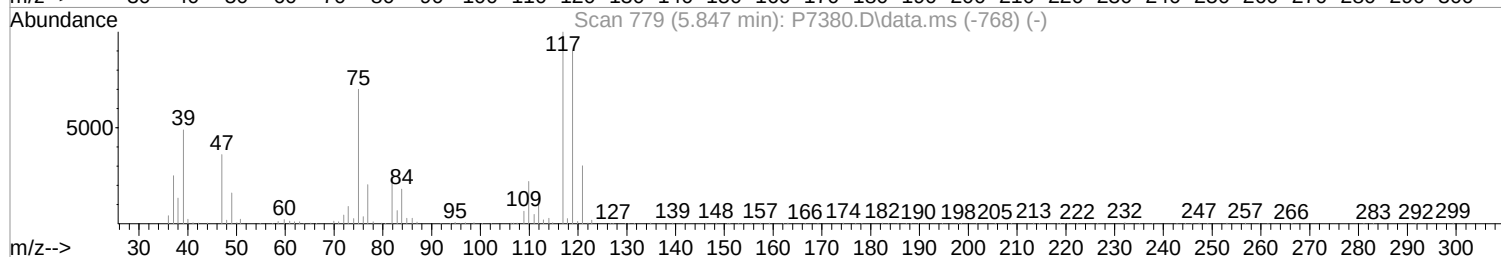
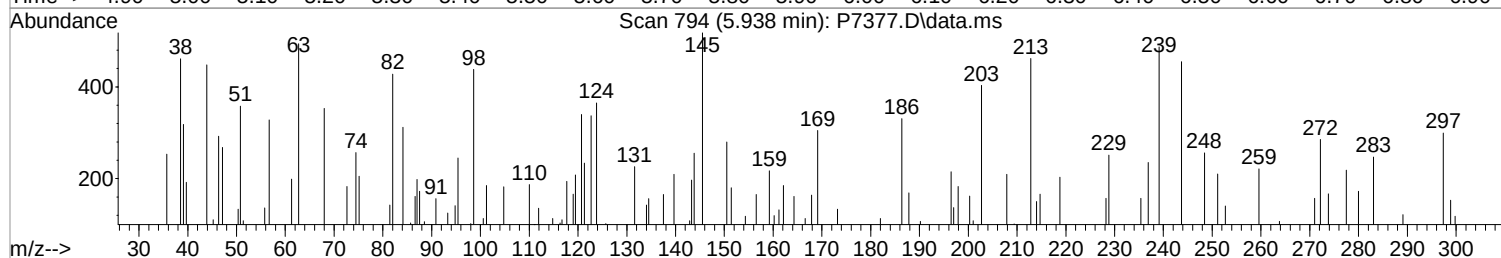
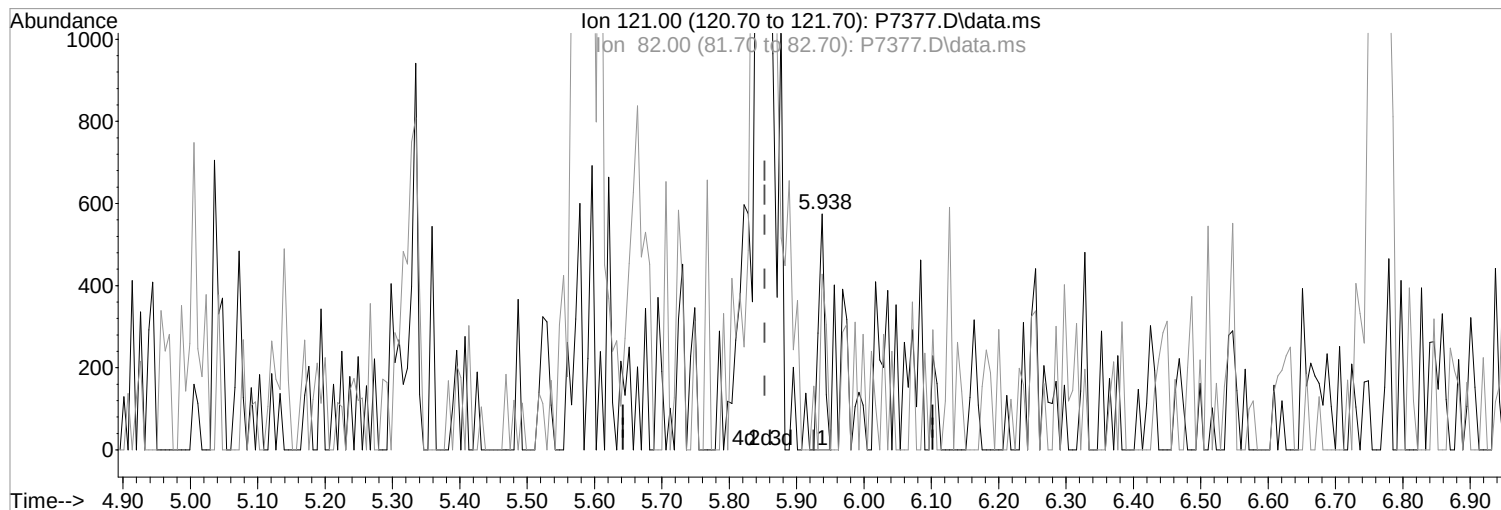
Peak not found.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(46) Carbontetrachloride (P)

Manual Integration:

5.938min (+0.085) 0.16 ppb

Before

response 363

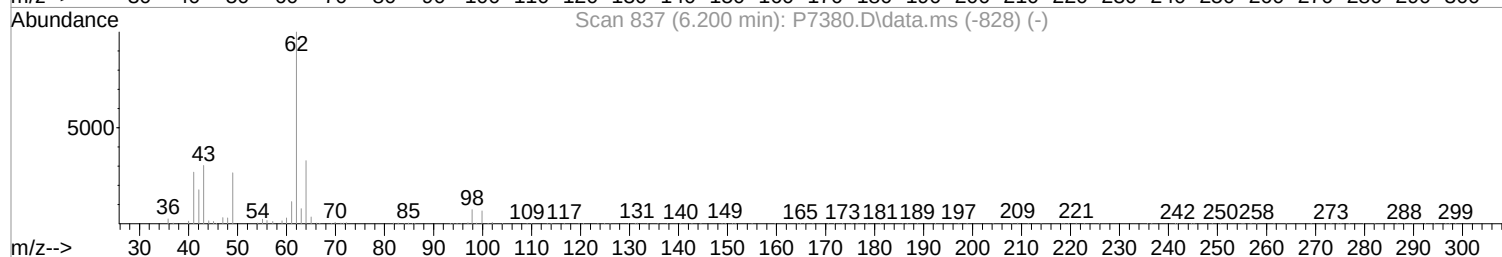
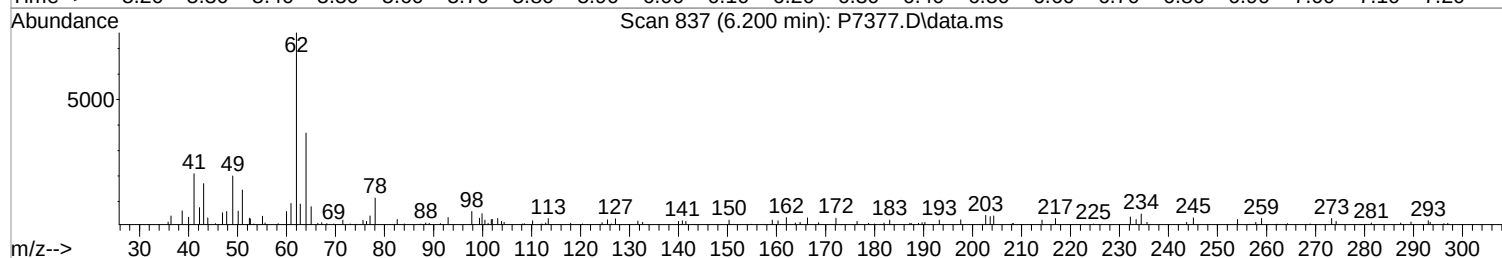
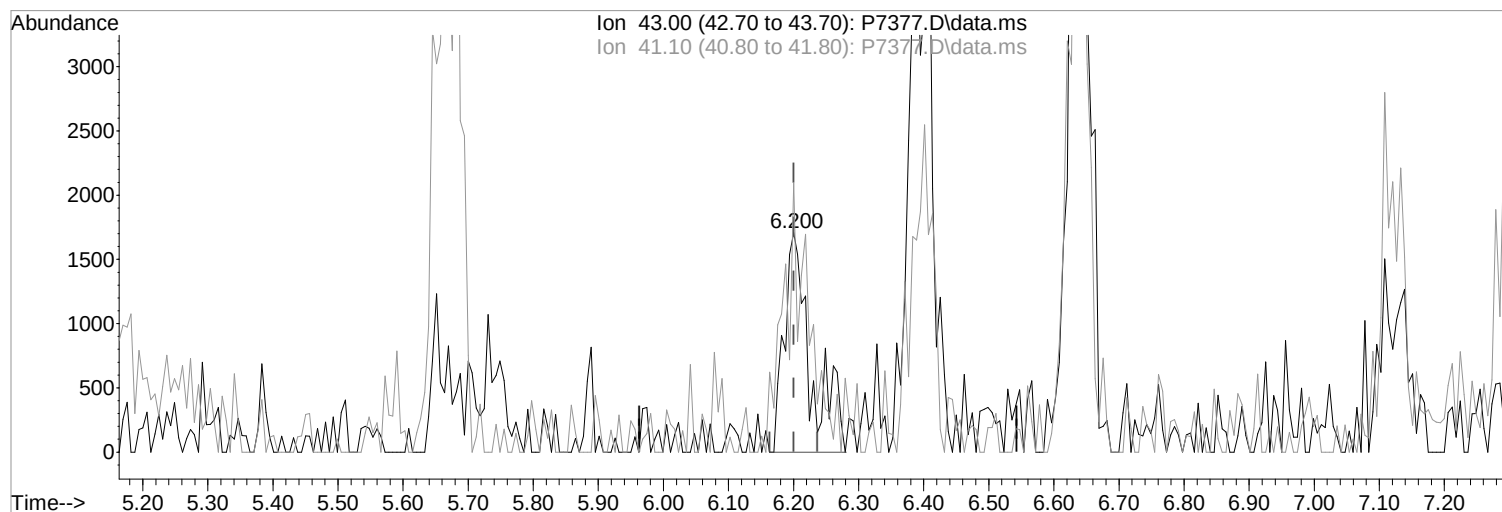
Ion	Exp%	Act%
121.00	100	100
82.00	93.70	74.56
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(51) Iso-Butyl Alcohol

Manual Integration:

6.200min (+0.000) 36.96 ppb m

After

response 4819

Split Peak

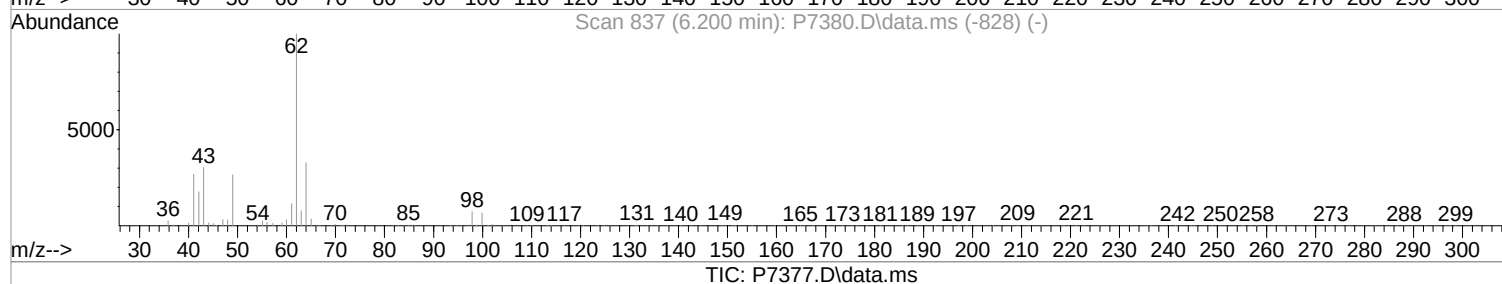
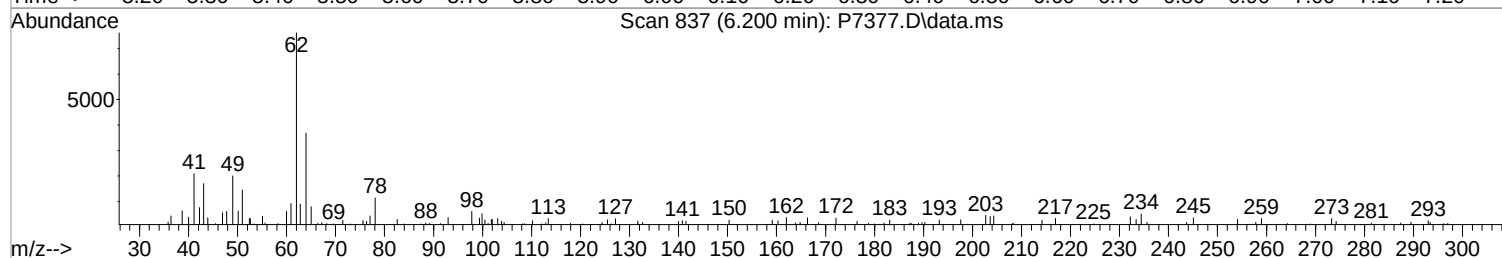
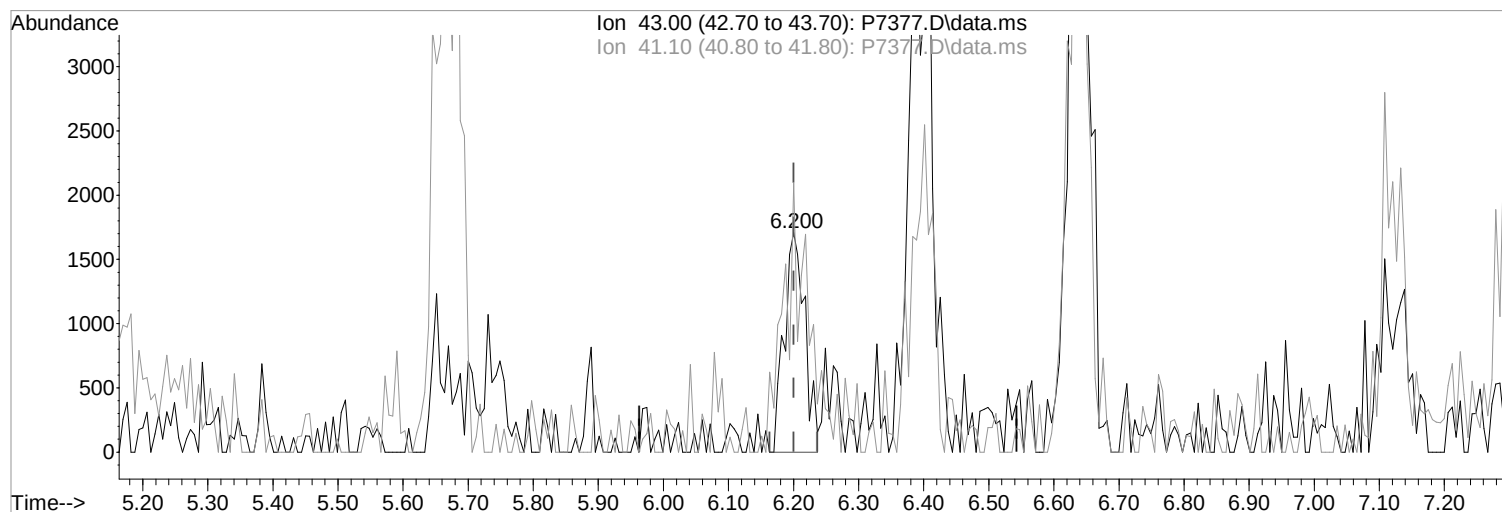
Ion	Exp%	Act%
43.00	100	100
41.10	88.60	122.67#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(51) Iso-Butyl Alcohol

Manual Integration:

6.200min (+0.000) 29.00 ppb

Before

response 3781

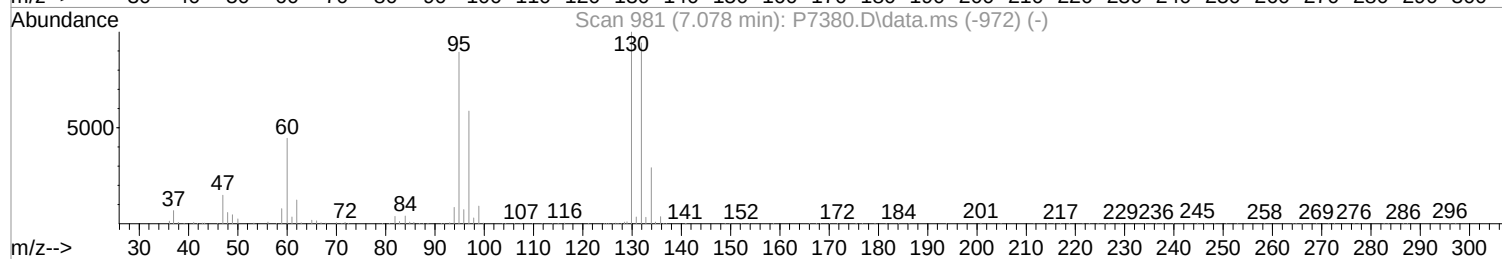
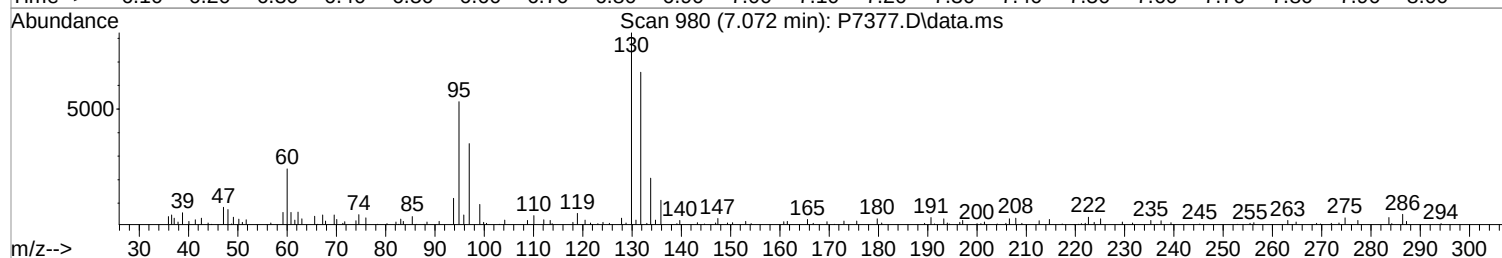
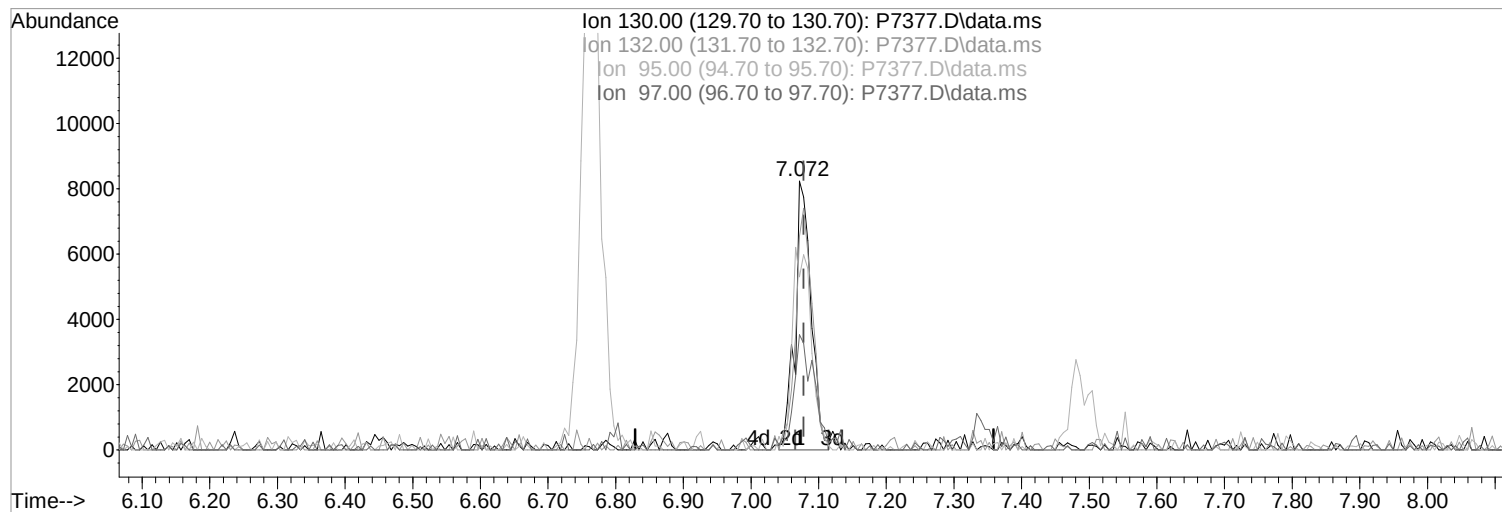
Ion	Exp%	Act%
43.00	100	100
41.10	88.60	122.67#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(54) Trichloroethene (P)

7.072min (-0.006) 2.20 ppb m

response 13722

Ion	Exp%	Act%
130.00	100	100
132.00	94.20	79.56
95.00	89.40	64.44#
97.00	58.80	42.91

Manual Integration:

After

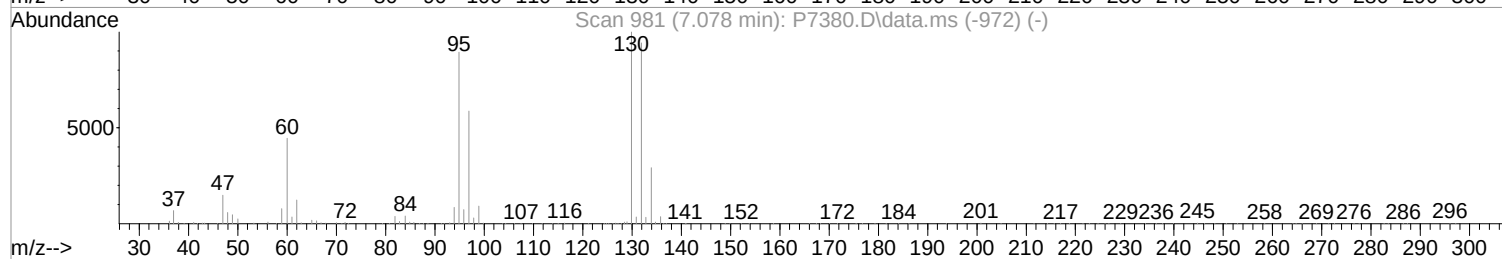
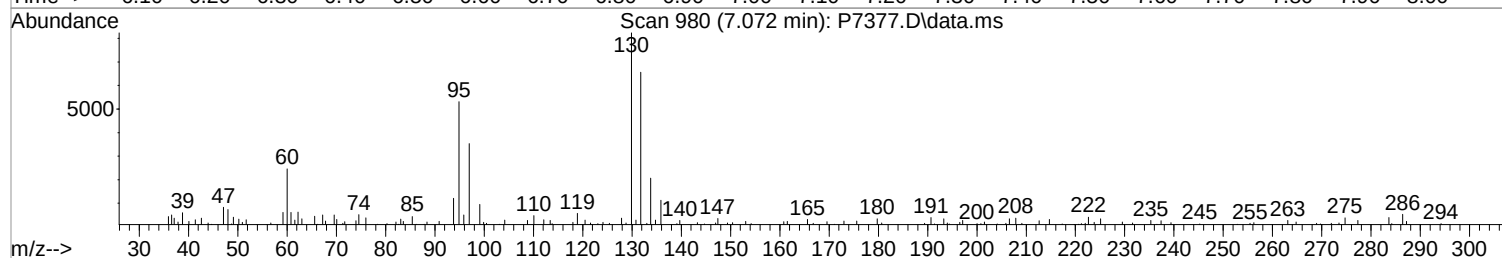
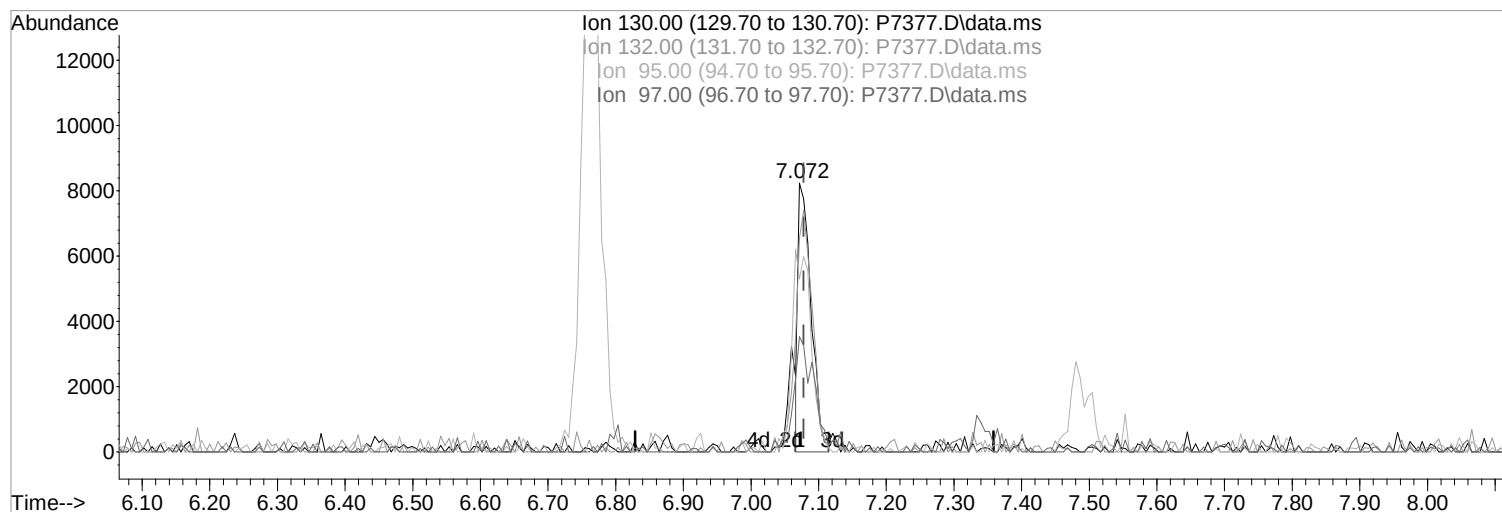
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(54) Trichloroethene (P)

Manual Integration:

7.072min (-0.006) 1.77 ppb

Before

response 11082

Ion	Exp%	Act%

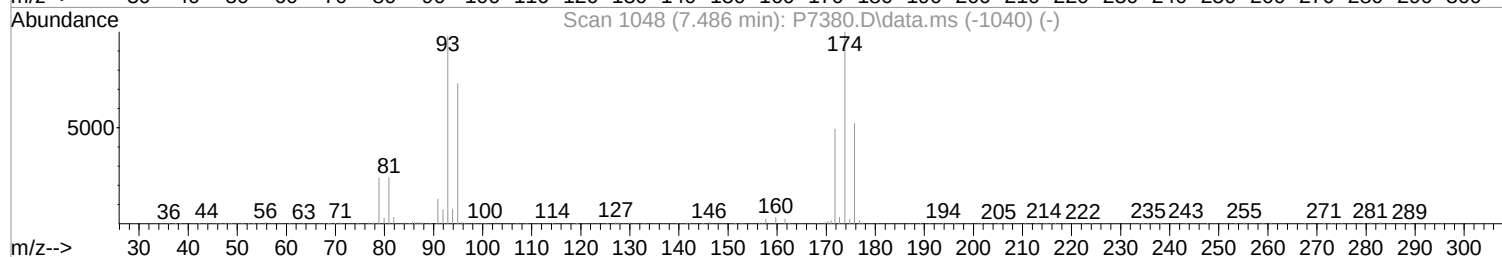
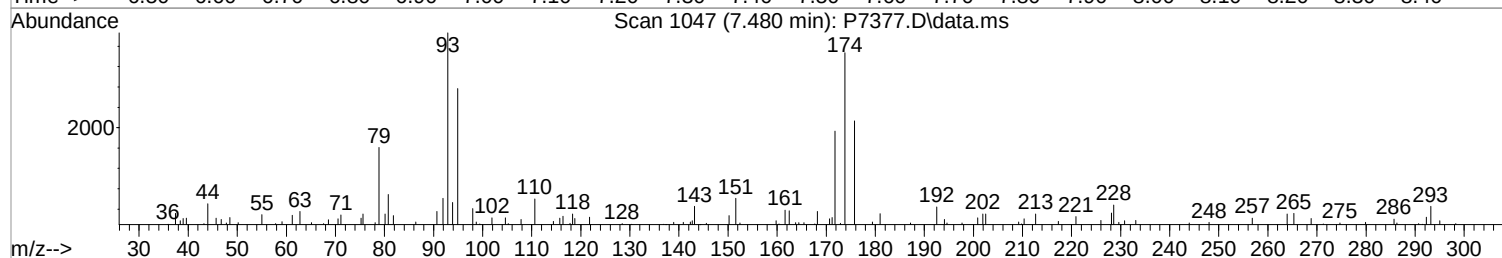
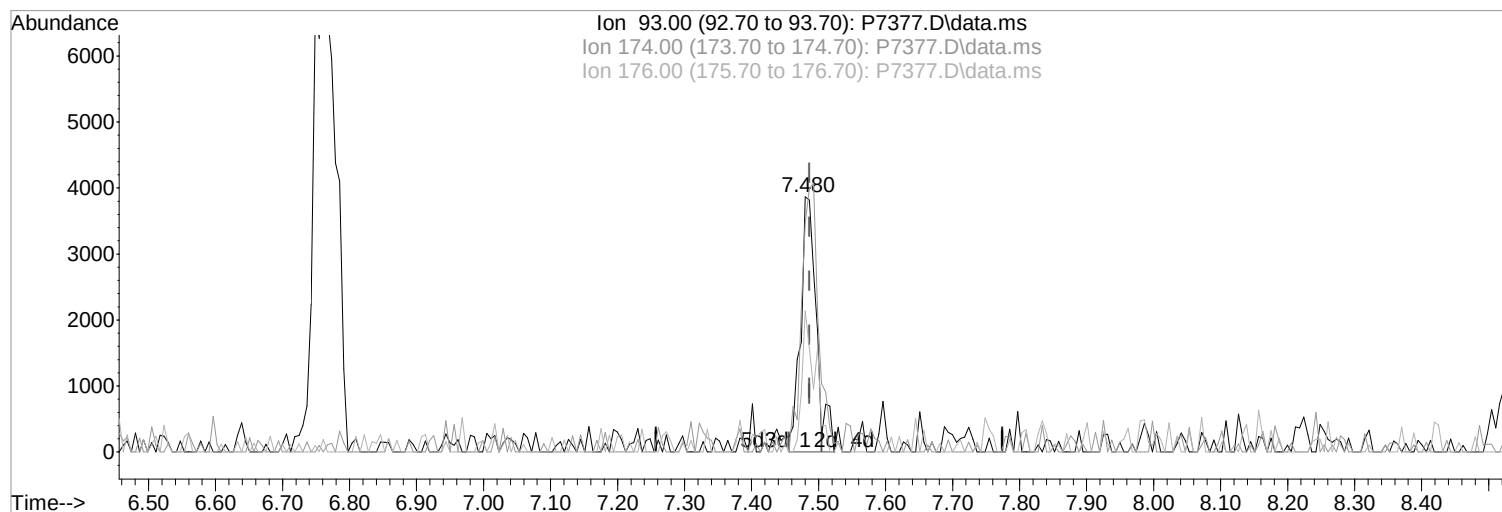
01/05/17

130.00	100	100
132.00	94.20	79.56
95.00	89.40	64.44#
97.00	58.80	42.91

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(57) Dibromomethane

7.480min (-0.006) 2.07 ppb m

response 6343

Ion	Exp%	Act%
93.00	100	100
174.00	102.80	89.80
176.00	53.50	55.23
0.00	0.00	0.00

Manual Integration:

After

Split Peak

01/05/17

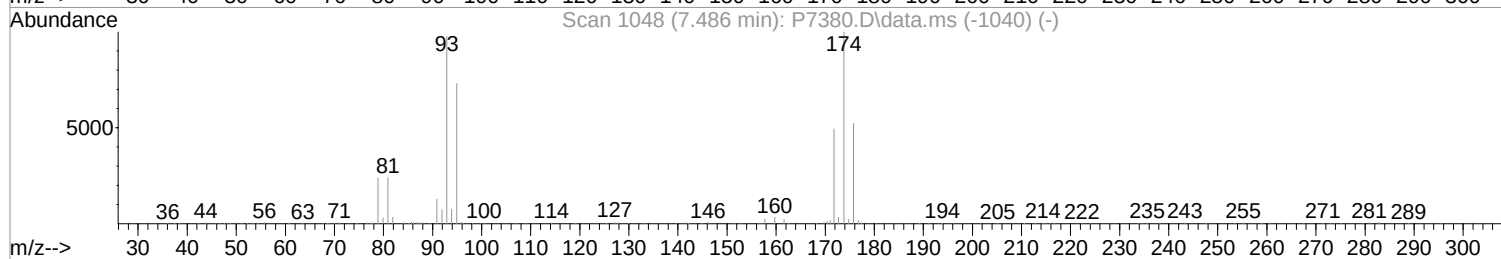
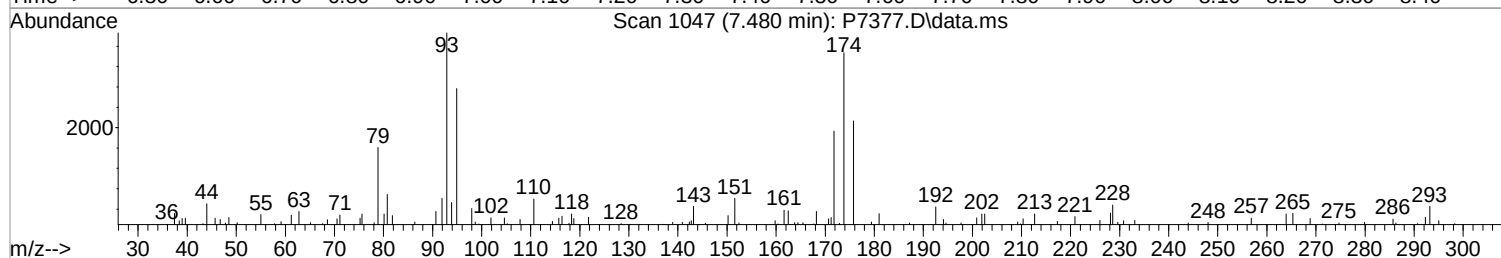
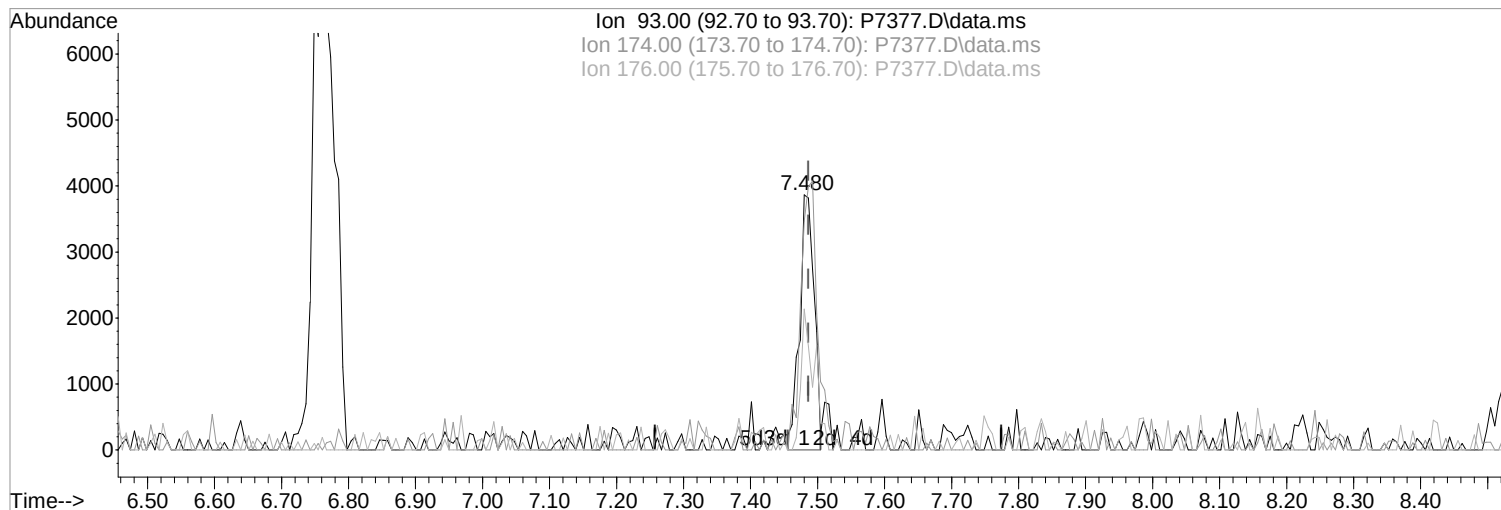
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(57) Dibromomethane

Manual Integration:

7.480min (-0.006) 1.90 ppb

Before

response 5824

Ion	Exp%	Act%
93.00	100	100
174.00	102.80	89.80
176.00	53.50	55.23
0.00	0.00	0.00

01/05/17

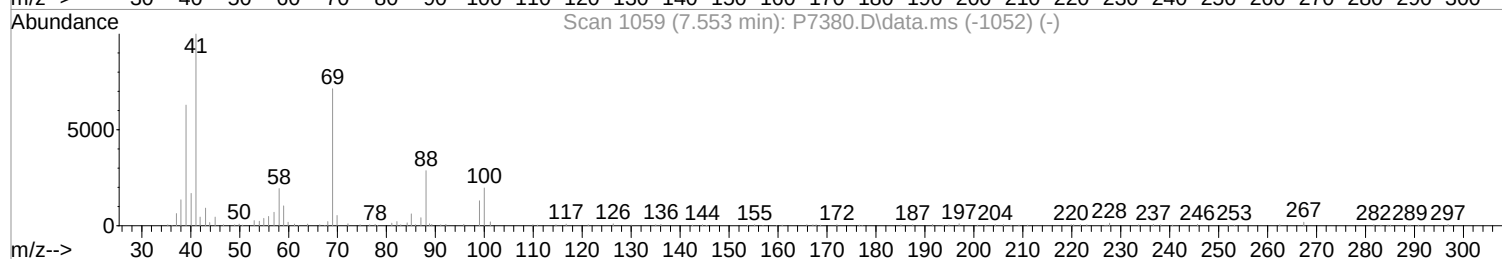
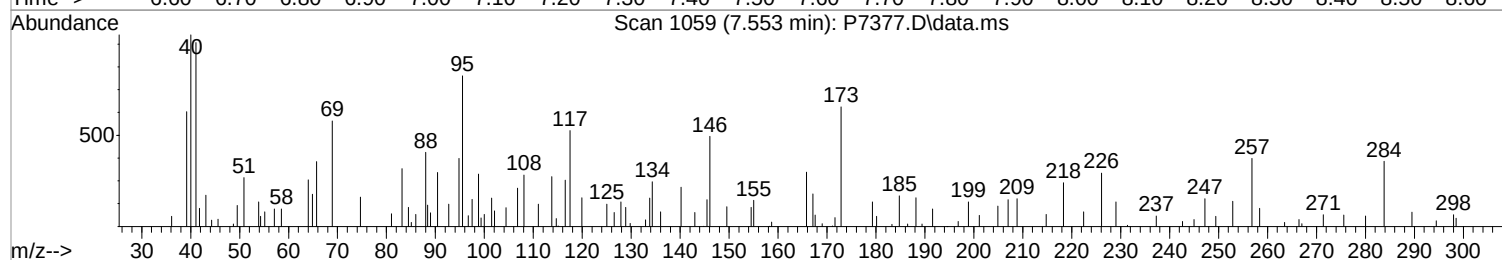
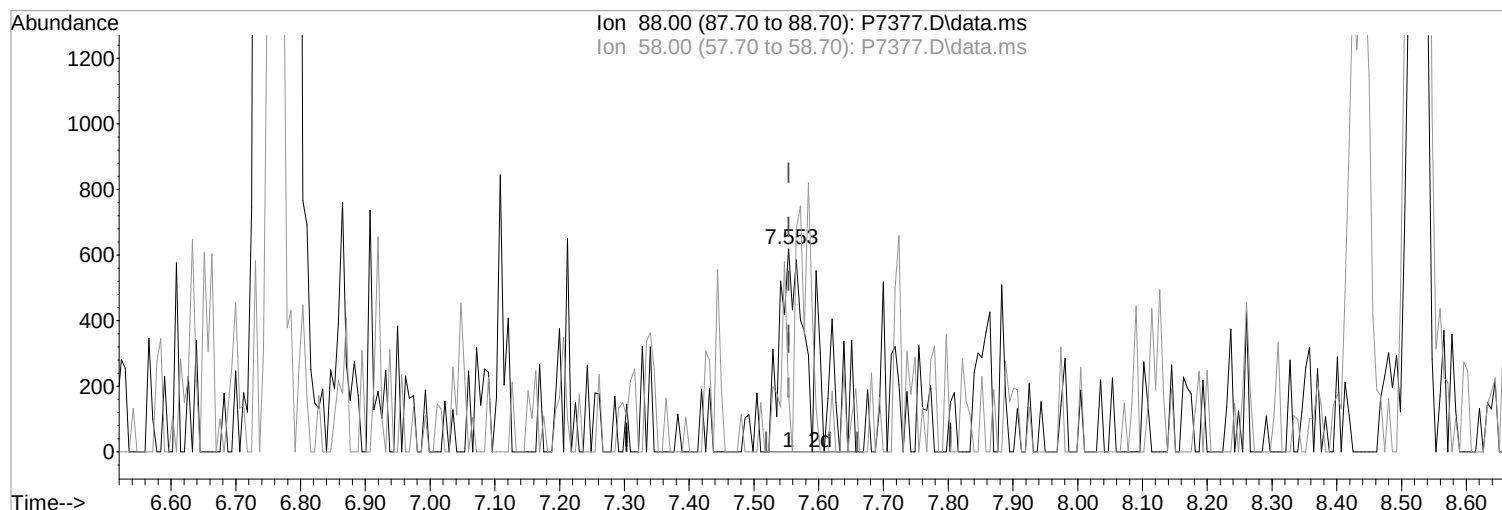
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(58) 1,4-Dioxane

7.553min (+0.000) 52.76 ppb m

response 2312

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	41.41#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

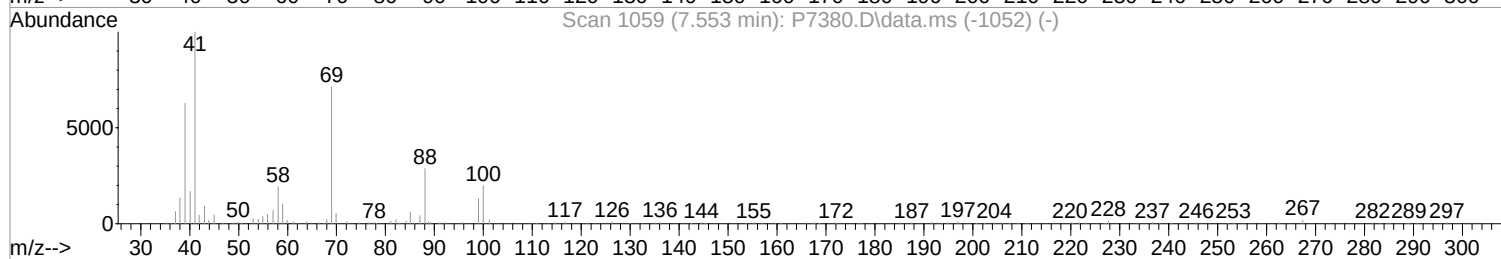
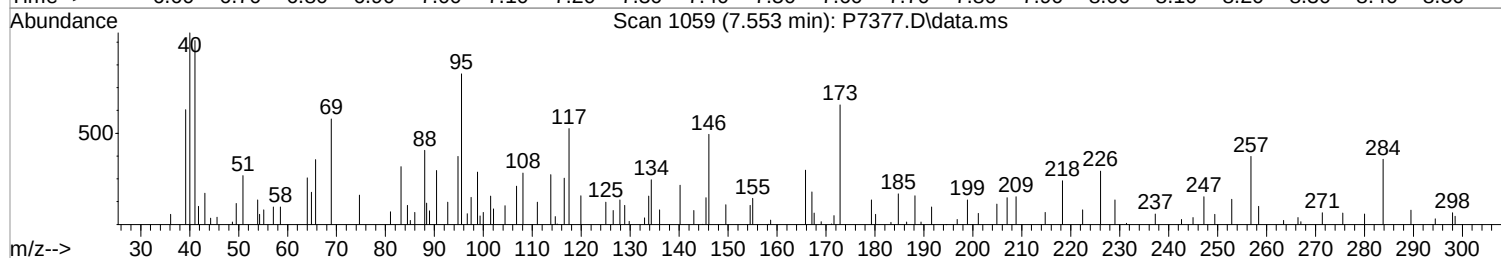
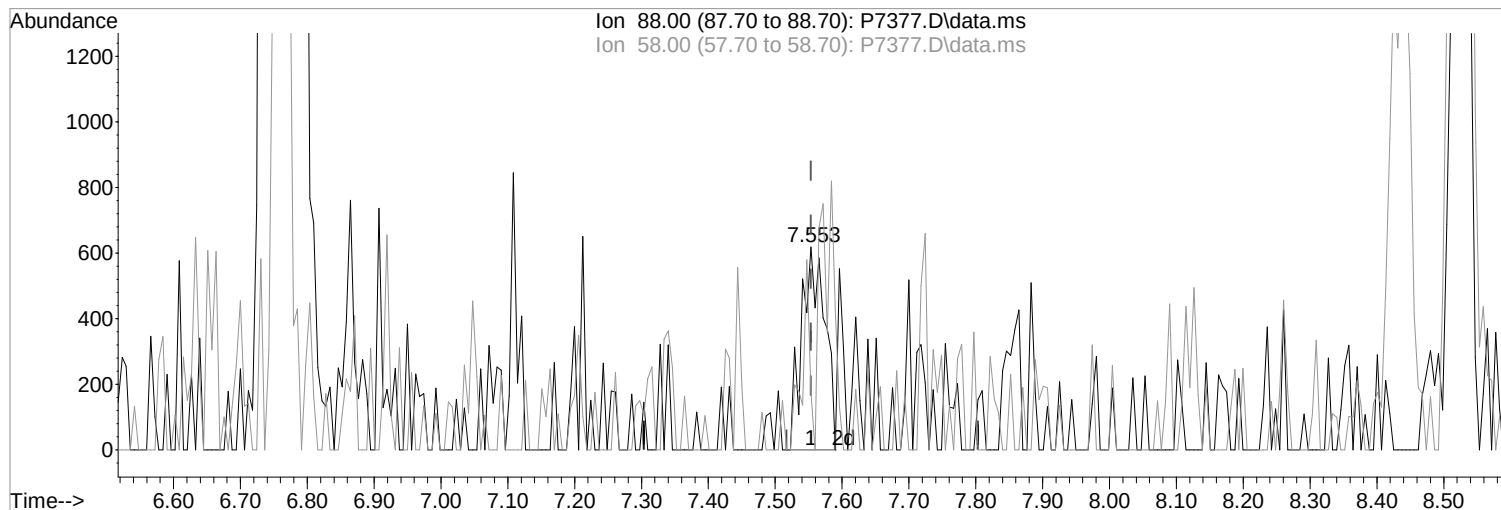
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.553min (+0.000) 33.95 ppb

Before

response 1488

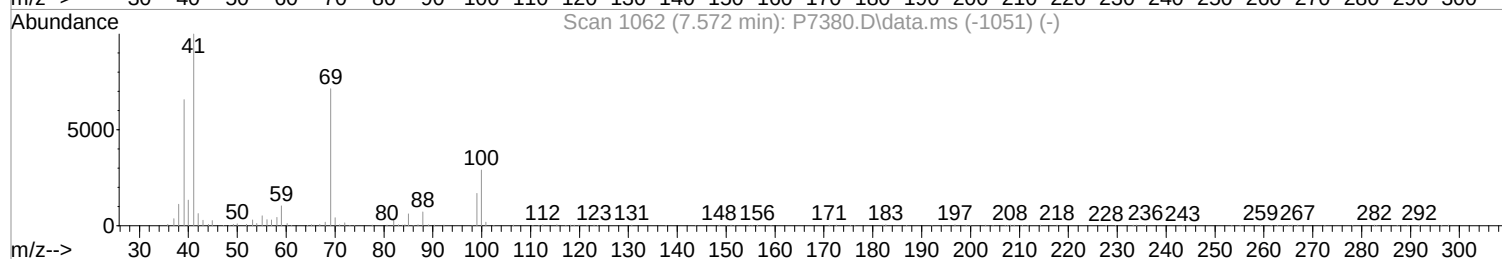
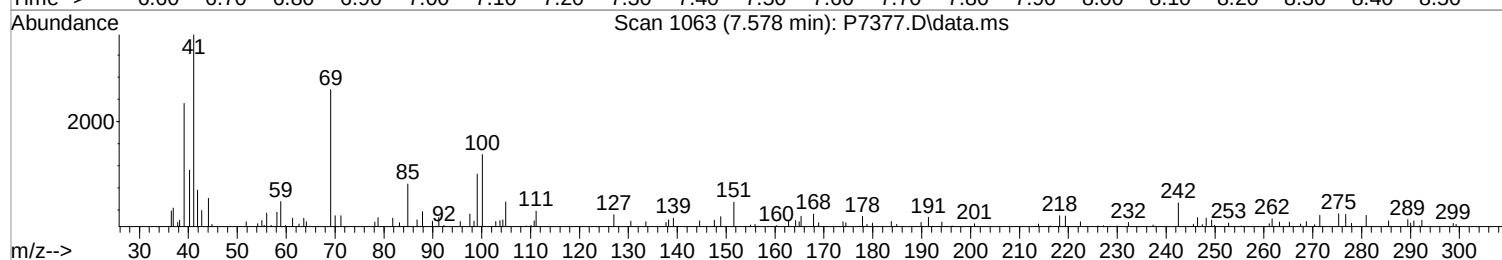
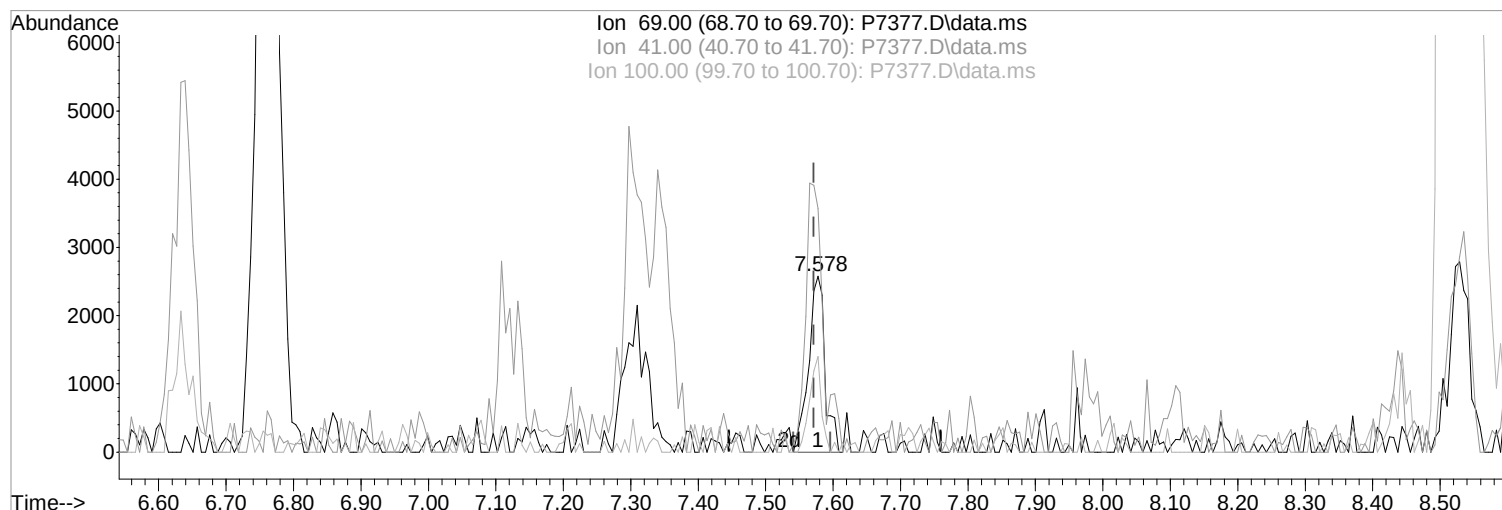
Ion	Exp%	Act%
88.00	100	100
58.00	67.50	28.43#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(59) Methyl Methacrylate

Manual Integration:

7.578min (+0.006) 1.49 ppb m

After

response 4337

Split Peak

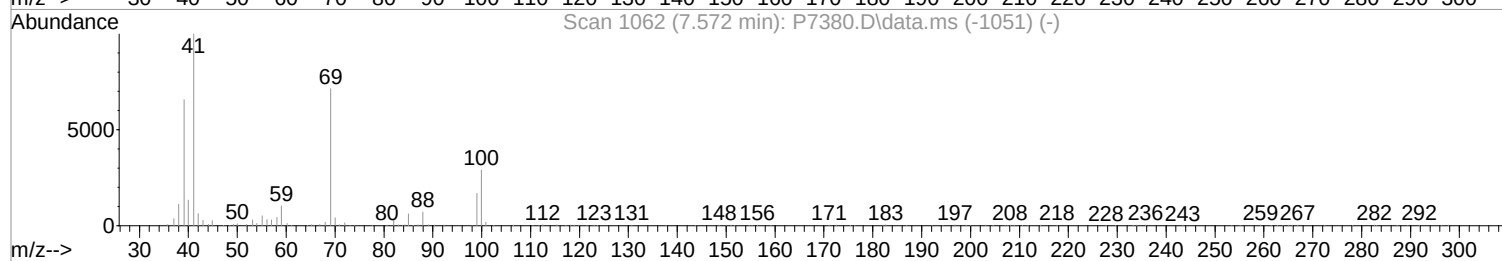
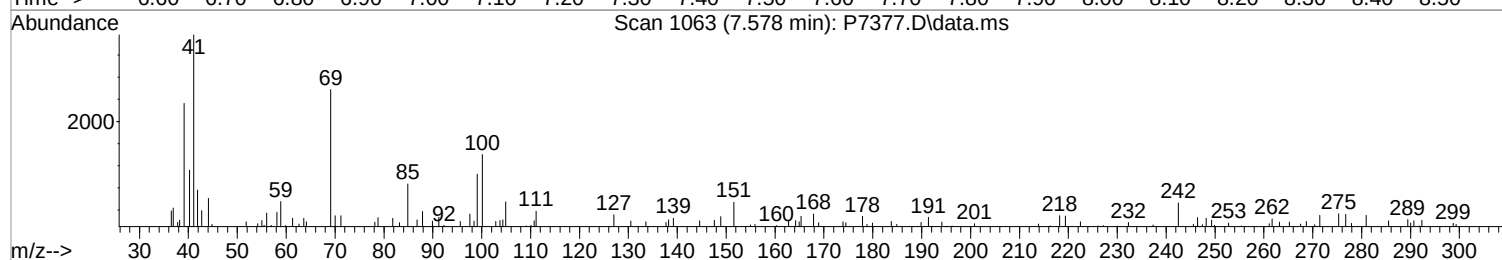
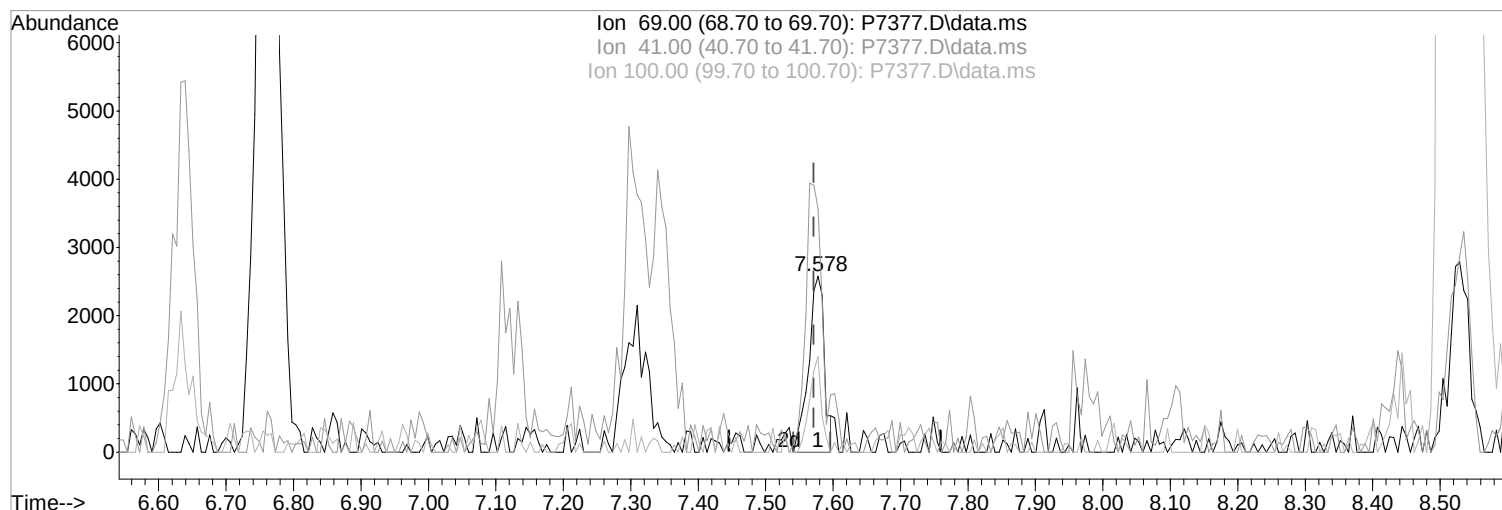
Ion	Exp%	Act%
69.00	100	100
41.00	141.20	138.59
100.00	40.80	54.31
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(59) Methyl Methacrylate

Manual Integration:

7.578min (+0.006) 1.43 ppb

Before

response 4151

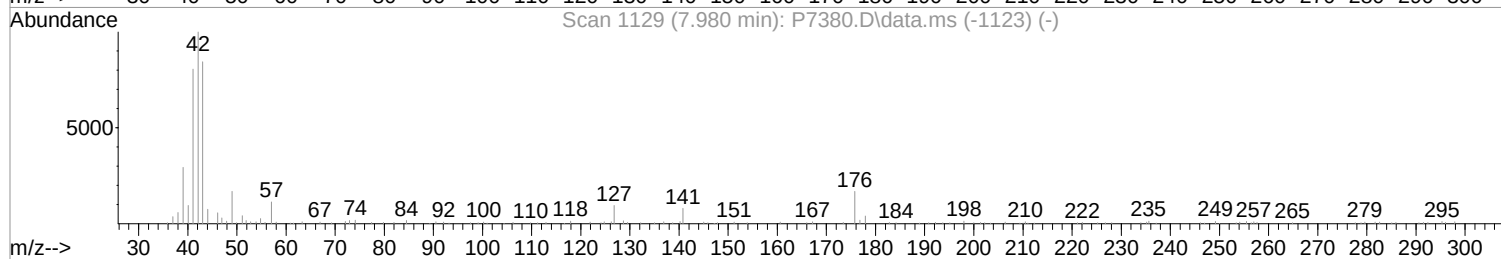
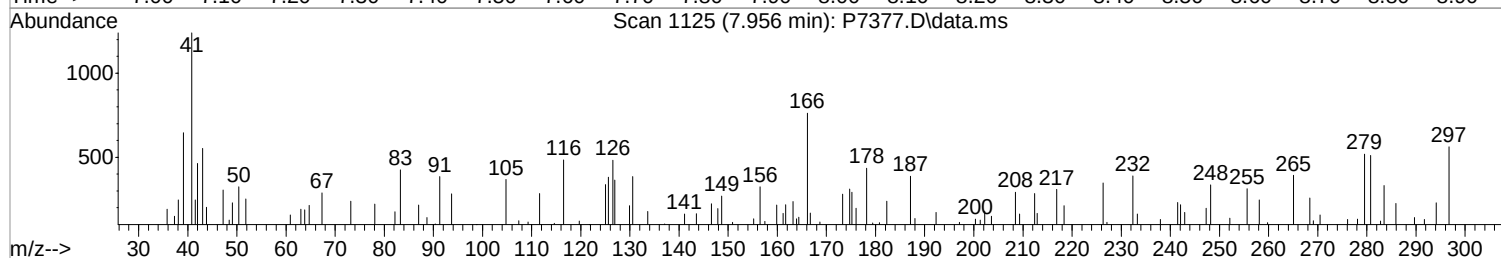
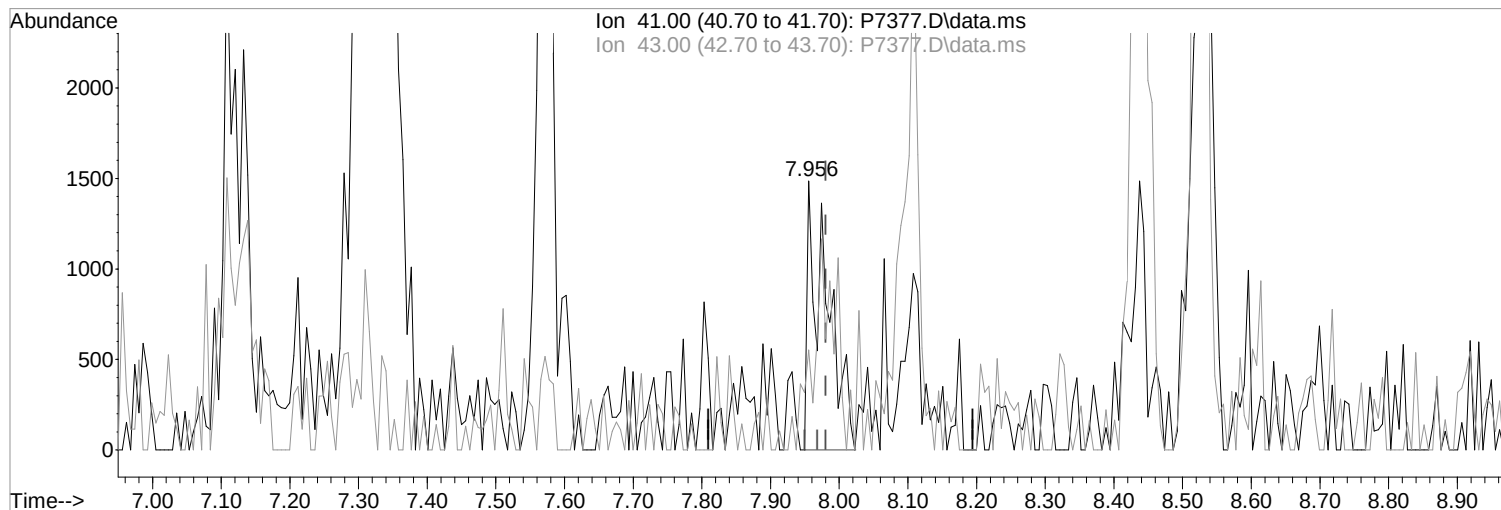
Ion	Exp%	Act%
69.00	100	100
41.00	141.20	138.59
100.00	40.80	54.31
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(61) 2-Nitropropane

Manual Integration:

7.956min (-0.024) 4.99 ppb m

After

response 2897

Split Peak

Ion	Exp%	Act%

01/05/17

41.00	100	100

43.00	104.90	44.52#

0.00	0.00	0.00

0.00	0.00	0.00

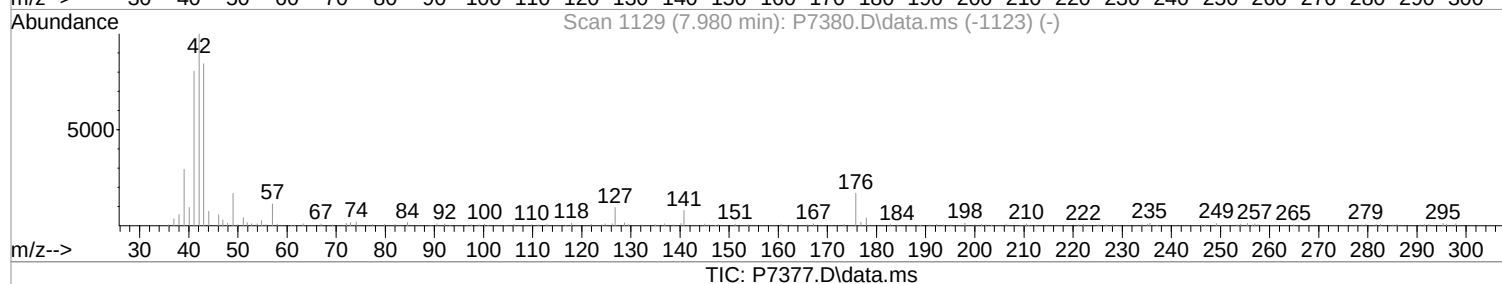
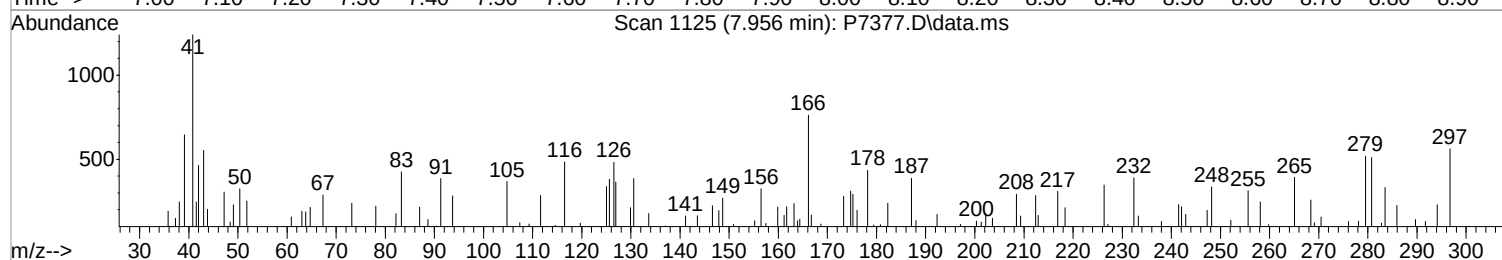
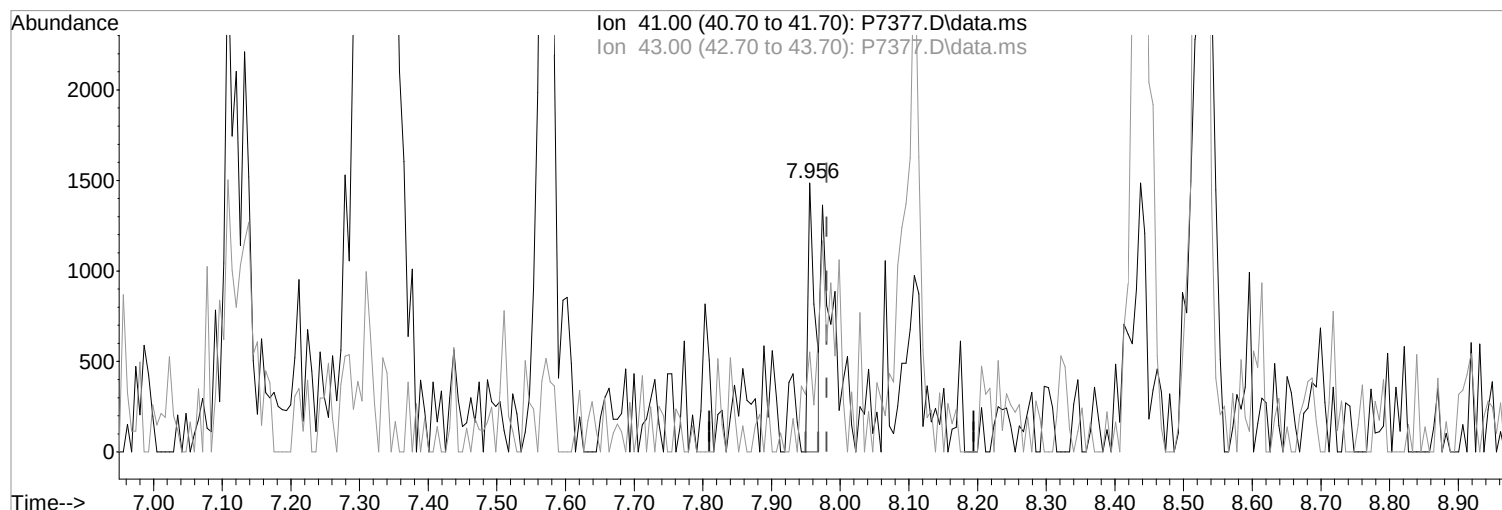
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(61) 2-Nitropropane

Manual Integration:

7.956min (-0.024) 1.79 ppb

Before

response 1043

Ion	Exp%	Act%
41.00	100	100
43.00	104.90	37.15#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

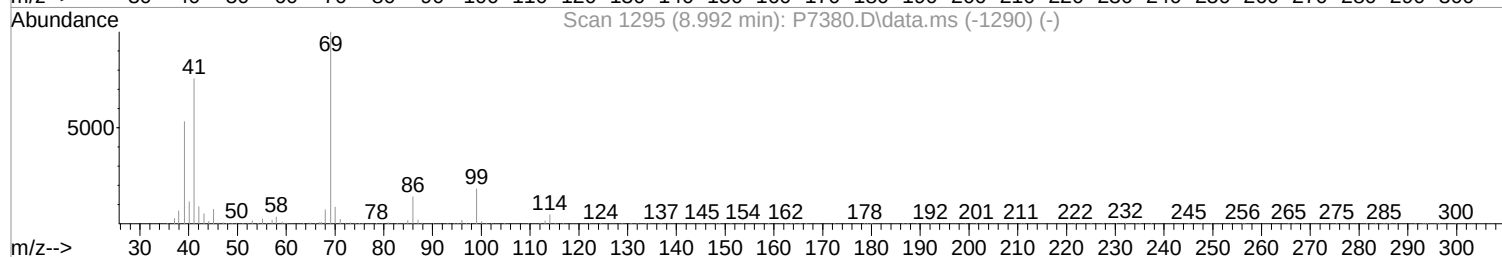
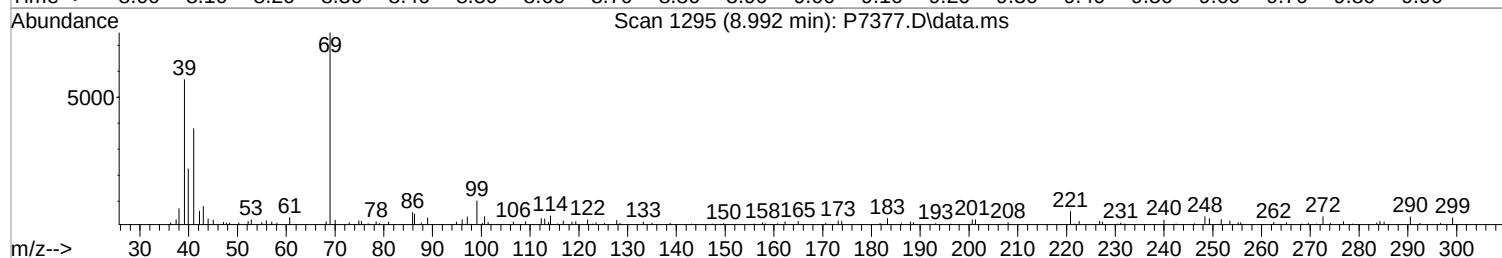
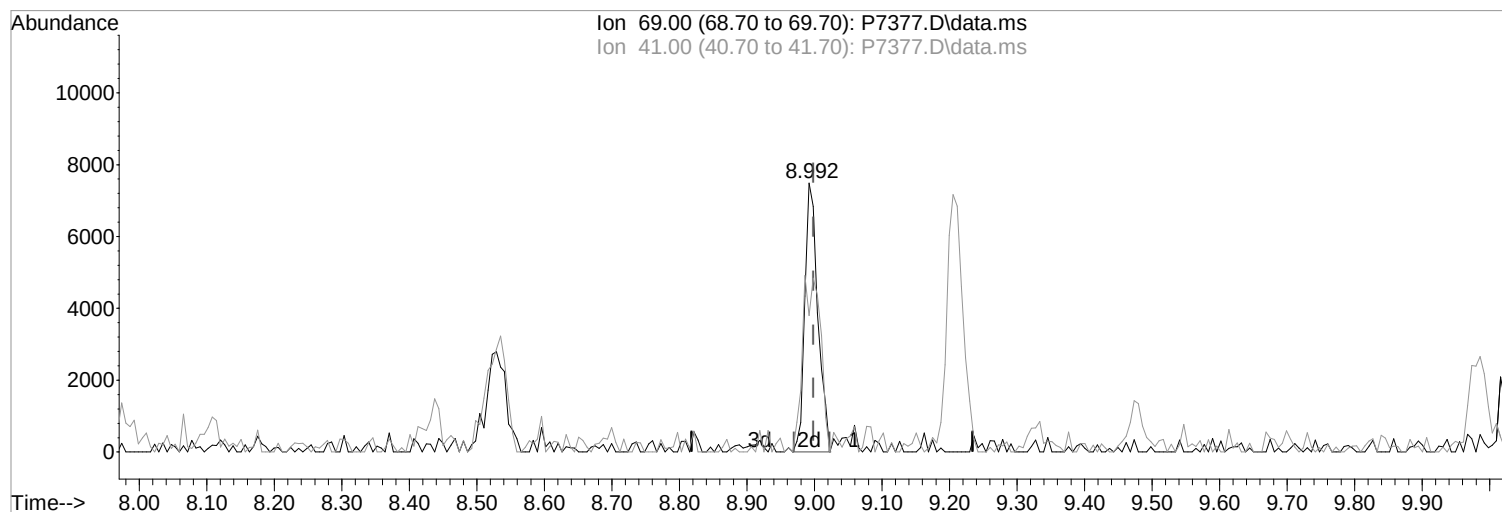
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(68) Ethyl Methacrylate

Manual Integration:

8.992min (-0.006) 1.80 ppb m

After

response 9975

Peak not found.

01/05/17

Ion	Exp%	Act%
69.00	100	100
41.00	75.90	50.67#
0.00	0.00	0.00
0.00	0.00	0.00

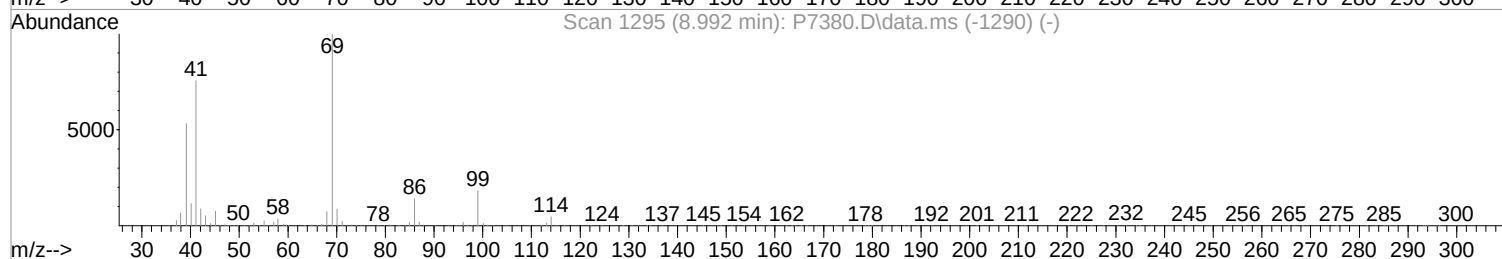
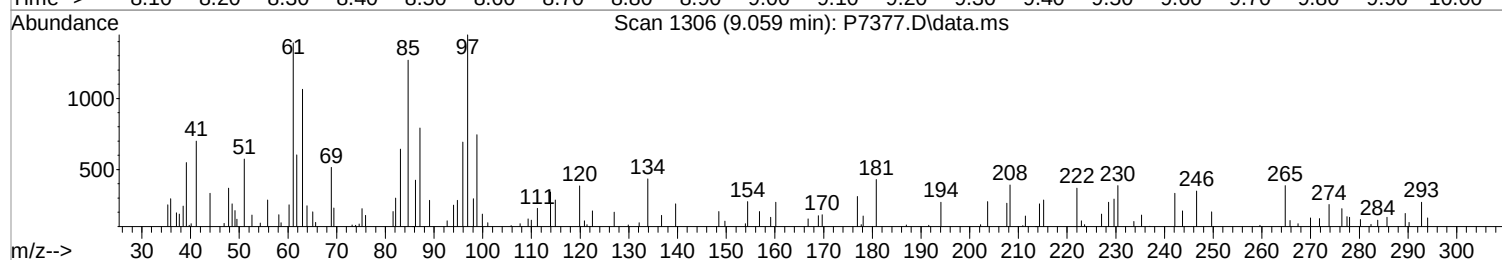
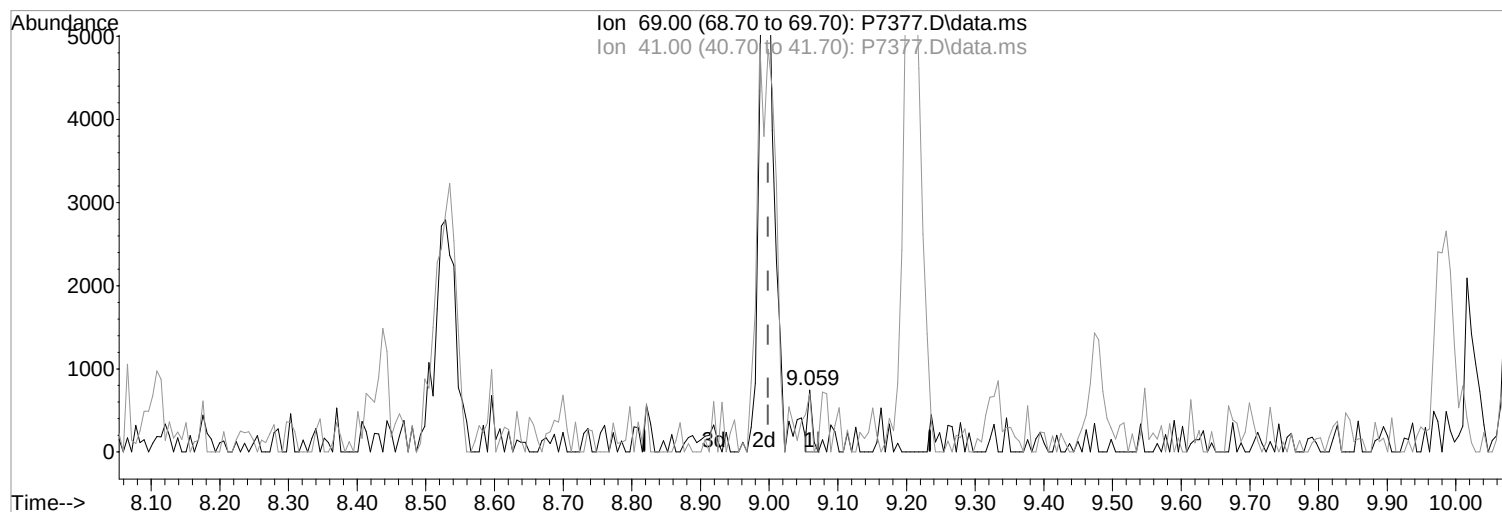
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(68) Ethyl Methacrylate

Manual Integration:

9.059min (+0.061) 0.06 ppb

Before

response 315

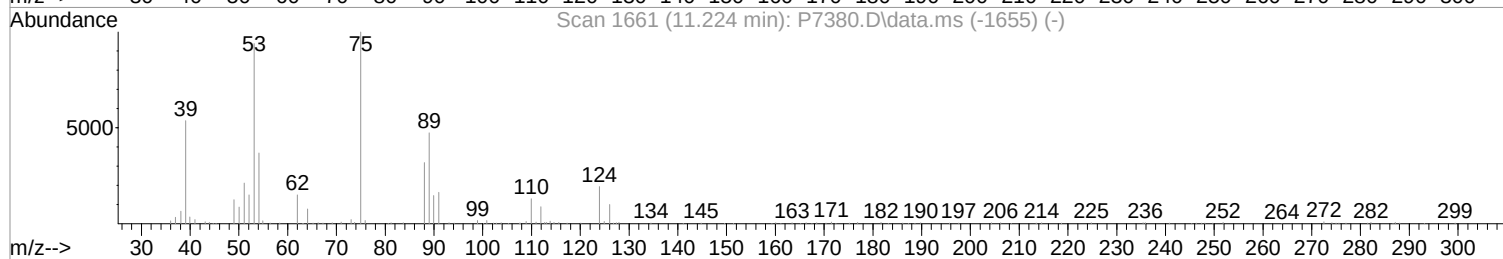
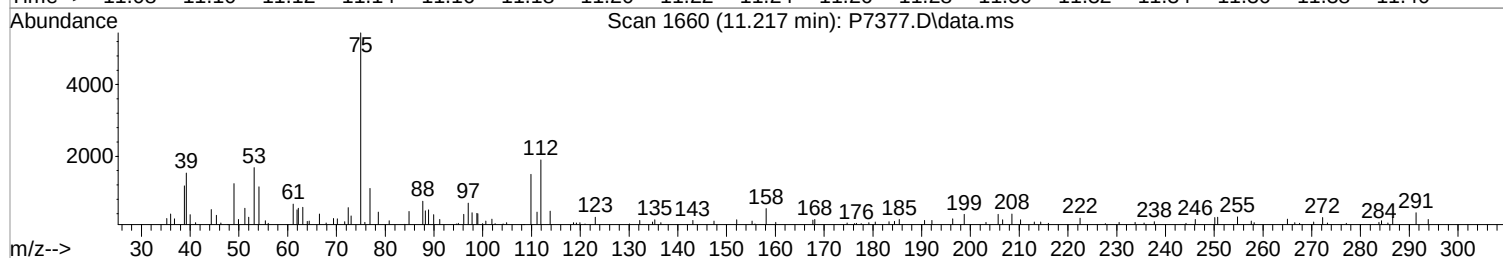
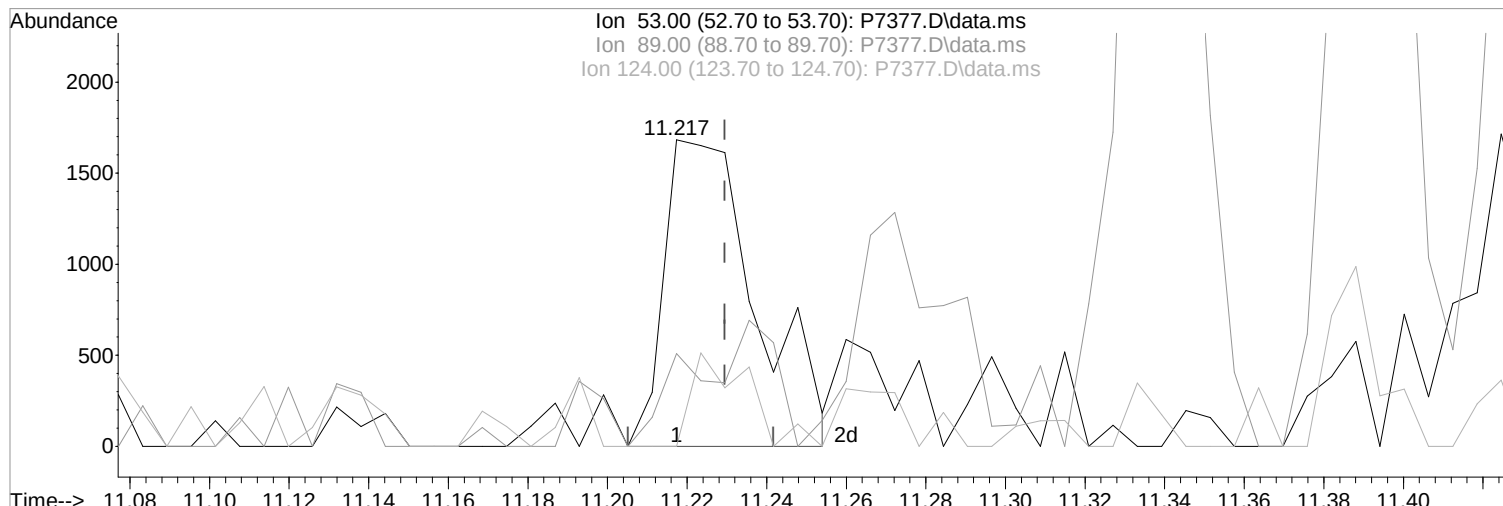
Ion	Exp%	Act%
69.00	100	100
41.00	75.90	93.95
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(91) trans-1,4-Dichloro-2-Butene

11.217min (-0.012) 1.96 ppb m

response 2705

Ion	Exp%	Act%
53.00	100	100
89.00	50.40	30.24#
124.00	20.60	0.00#
0.00	0.00	0.00

Manual Integration:

After

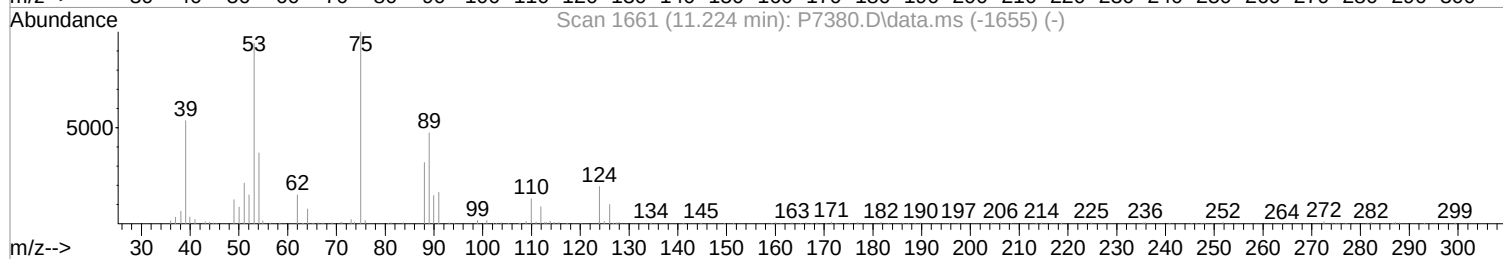
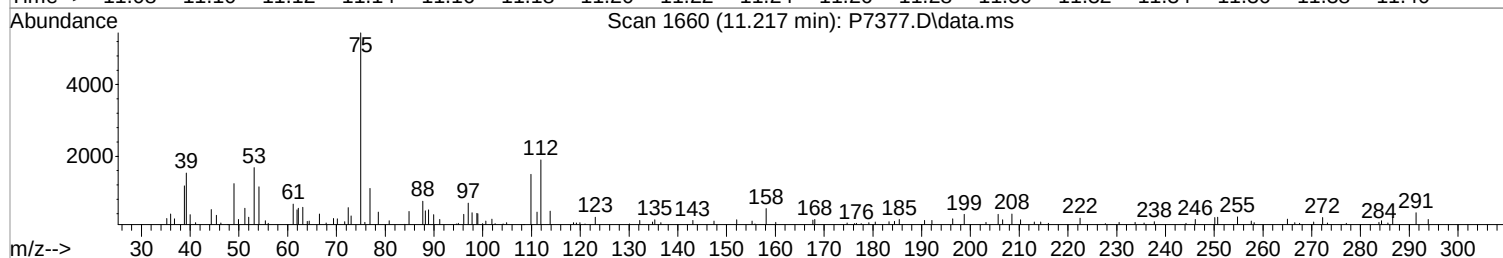
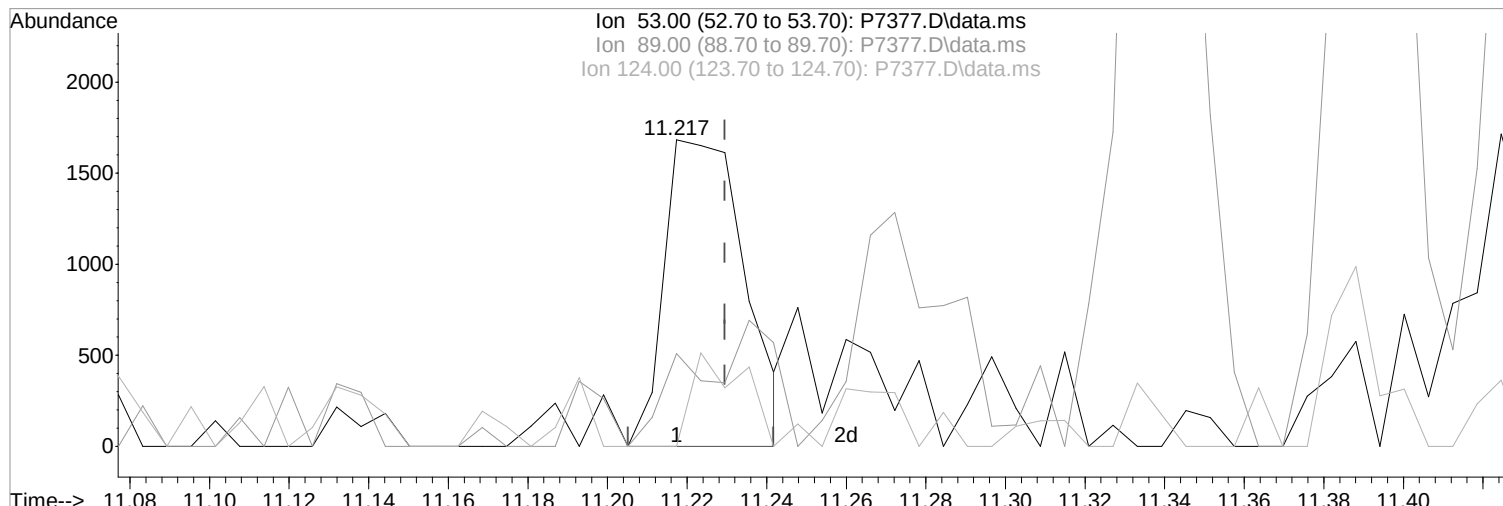
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(91) trans-1,4-Dichloro-2-Butene

Manual Integration:

11.217min (-0.012) 1.71 ppb

Before

response 2359

Ion	Exp%	Act%
53.00	100	100
89.00	50.40	30.24#
124.00	20.60	0.00#
0.00	0.00	0.00

01/05/17

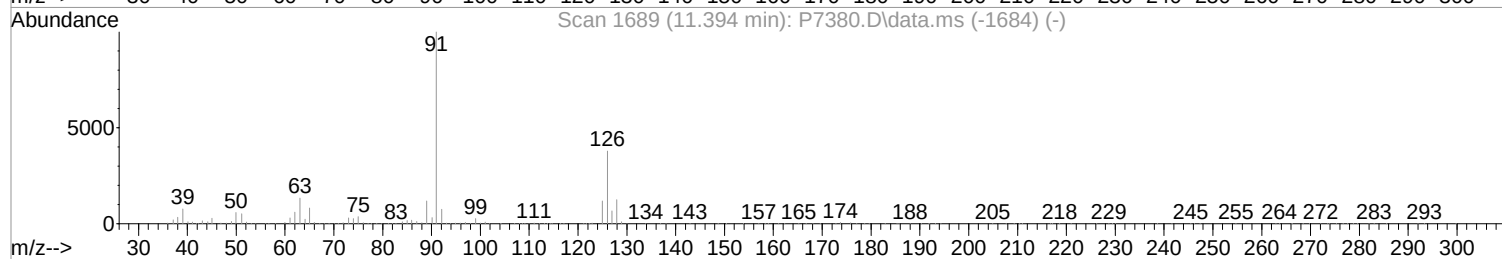
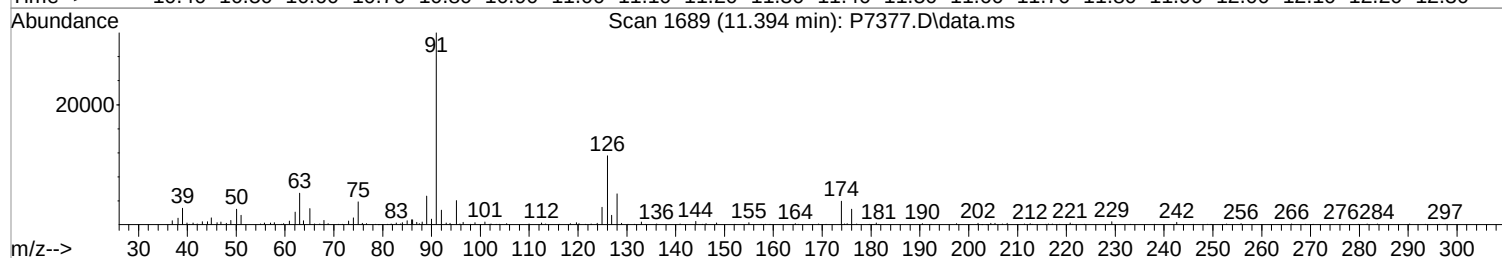
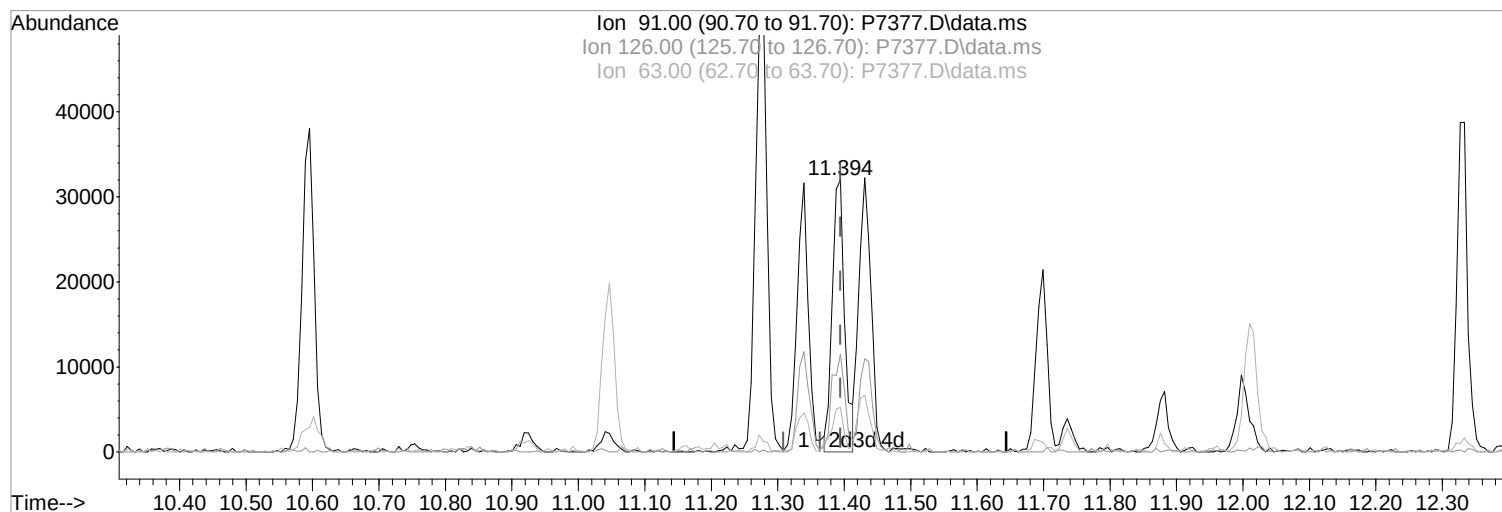
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(97) 3-Chlorotoluene

Manual Integration:

11.394min (+0.000) 2.08 ppb m

After

response 41466

Wrong peak selected.

Ion	Exp%	Act%
91.00	100	100
126.00	37.70	35.96
63.00	13.50	16.47#
0.00	0.00	0.00

01/05/17

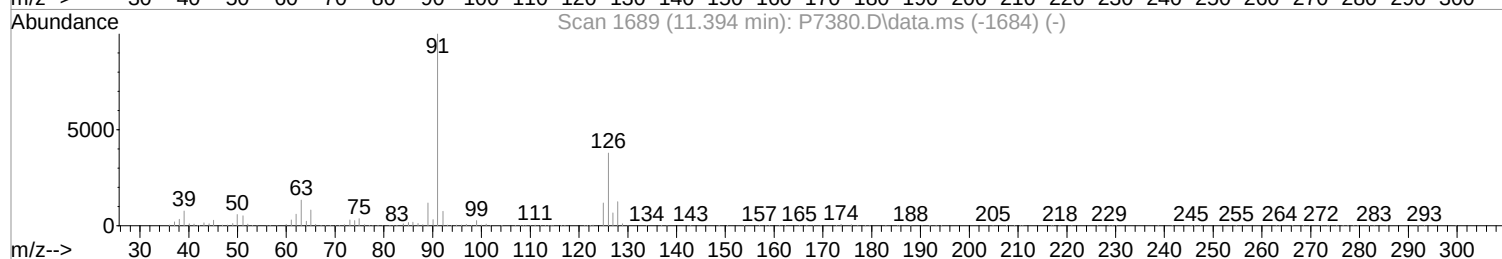
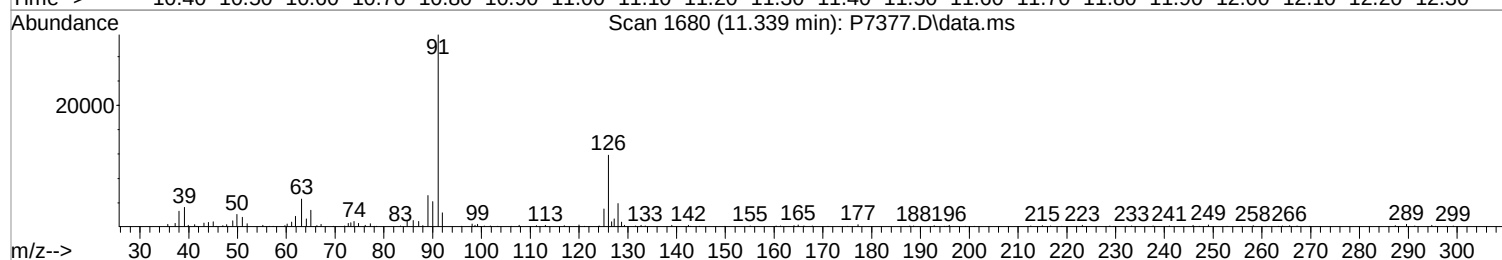
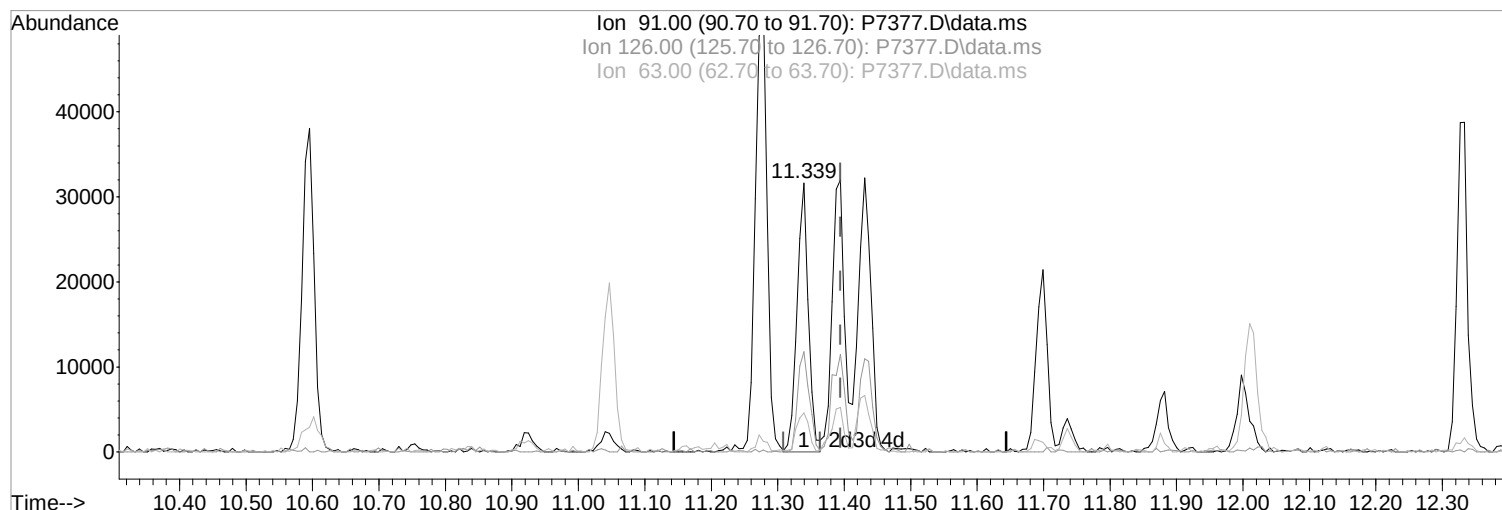
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7377.D
Acq On : 4 Jan 2017 2:23 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:05 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7377.D\data.ms

(97) 3-Chlorotoluene

Manual Integration:

11.339min (-0.055) 1.88 ppb

Before

response 37543

Ion	Exp%	Act%
91.00	100	100
126.00	37.70	40.01
63.00	13.50	14.55
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7377.D
 Acq On : 4 Jan 2017 2:23 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:27:15 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.737	168	758057	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.767	114	1210121	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1160326	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	638046	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	417634	63.96	ppb	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	127.92%#
48) surr1,1,2-dichloroetha...	6.090	65	474219	65.41	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	130.82%#
65) SURR3,Toluene-d8	8.523	98	1733113	64.20	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	128.40%#
70) SURR2,BFB	11.047	95	664725	63.53	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	127.06%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	19000	2.06	ppb	95
3) Chloromethane	1.347	50	16391	1.98	ppb	91
4) Vinyl Chloride	1.427	62	14498	1.98	ppb	94
5) Bromomethane	1.683	94	7036	1.90	ppb	93
6) Chloroethane	1.762	64	8374	2.16	ppb	78
7) Freon 21	1.926	67	18833	2.06	ppb	96
8) Trichlorofluoromethane	1.975	101	15937	1.94	ppb	95
9) Diethyl Ether	2.225	59	6105	1.75	ppb	# 47
10) Freon 123a	2.237	67	11383	1.98	ppb	96
11) Freon 123	2.286	83	12033	1.81	ppb	# 67
12) Acrolein	2.335	56	5804	10.12	ppb	# 55
13) 1,1-Dicethene	2.420	96	10395	1.94	ppb	100
14) Freon 113	2.439	101	11170	1.93	ppb	# 76
15) Acetone	2.487	43	3233	2.90	ppb	75
16) 2-Propanol	2.652	45	7151m	40.47	ppb	
17) Iodomethane	2.573	142	14324	1.82	ppb	86
18) Carbon Disulfide	2.634	76	30585	1.87	ppb	96
19) Acetonitrile	2.756	40	2070m	11.84	ppb	
20) Allyl Chloride	2.786	76	7501	2.35	ppb	# 73
21) Methyl Acetate	2.823	43	4640	1.75	ppb	# 56
22) Methylene Chloride	2.920	84	11382	1.93	ppb	87
23) TBA	3.091	59	11970m	39.23	ppb	
24) Acrylonitrile	3.201	53	12943	9.79	ppb	# 78
25) Methyl-t-Butyl Ether	3.255	73	29852m	2.11	ppb	
26) trans-1,2-Dichloroethene	3.237	96	12954	2.08	ppb	87
28) 1,1-Dicethane	3.780	63	20131	1.93	ppb	93
29) Vinyl Acetate	3.920	86	1949m	1.92	ppb	
30) DIPE	3.938	45	38464	1.99	ppb	96
31) 2-Chloro-1,3-Butadiene	3.920	53	17030	1.92	ppb	81
32) ETBE	4.524	59	32026	1.95	ppb	87
33) 2,2-Dichloropropane	4.694	77	15192m	1.85	ppb	
34) cis-1,2-Dichloroethene	4.706	96	13794	2.11	ppb	# 55
36) Propionitrile	4.859	54	5200m	10.35	ppb	
37) Bromochloromethane	5.139	130	7242m	2.01	ppb	
38) Methacrylonitrile	5.151	67	3519m	2.18	ppb	
39) Tetrahydrofuran	5.249	42	2107m	2.01	ppb	
40) Chloroform	5.316	83	20694	2.04	ppb	96
41) 1,1,1-Trichloroethane	5.584	97	15868	1.79	ppb	90
42) TAME	6.401	73	27784	1.92	ppb	84

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7377.D
 Acq On : 4 Jan 2017 2:23 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 09:27:15 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Cyclohexane	5.682	41	12813m	2.01	ppb	
46) Carbontetrachloride	5.846	121	4111m	1.83	ppb	
47) 1,1-Dichloropropene	5.859	75	14643	1.82	ppb	88
49) Benzene	6.163	78	43630	2.04	ppb	89
50) 1,2-Dichloroethane	6.200	62	15658	2.08	ppb	84
51) Iso-Butyl Alcohol	6.200	43	4819m	36.96	ppb	
52) n-Heptane	6.633	43	14339	1.99	ppb	89
53) 1-Butanol	7.121	56	6531	86.50	ppb	# 61
54) Trichloroethene	7.072	130	13722m	2.20	ppb	
55) Methylcyclohexane	7.310	55	14274	1.93	ppb	# 81
56) 1,2-Dicloropropane	7.346	63	12563	2.07	ppb	84
57) Dibromomethane	7.480	93	6343m	2.07	ppb	
58) 1,4-Dioxane	7.553	88	2312m	52.76	ppb	
59) Methyl Methacrylate	7.578	69	4337m	1.49	ppb	
60) Bromodichloromethane	7.700	83	15055	2.02	ppb	98
61) 2-Nitropropane	7.956	41	2897m	4.99	ppb	
62) 2-Chloroethylvinyl Ether	8.096	63	4771	1.64	ppb	87
63) cis-1,3-Dichloropropene	8.236	75	16211	1.85	ppb	89
64) 4-Methyl-2-pentanone	8.431	43	7435	1.95	ppb	87
66) Toluene	8.596	91	52634	2.10	ppb	90
67) trans-1,3-Dichloropropene	8.858	75	13341	1.86	ppb	79
68) Ethyl Methacrylate	8.992	69	9975m	1.80	ppb	
69) 1,1,2-Trichloroethane	9.041	97	6904	1.62	ppb	# 41
72) Tetrachloroethene	9.175	164	9530	1.89	ppb	# 78
73) 2-Hexanone	9.327	43	4011	1.54	ppb	85
74) 1,3-Dichloropropane	9.206	76	16001	2.04	ppb	91
75) Dibromochloromethane	9.431	129	8238	1.84	ppb	# 65
76) N-Butyl Acetate	9.474	43	12154	1.91	ppb	96
77) 1,2-Dibromoethane	9.523	107	7940	1.94	ppb	98
78) Chlorobenzene	10.010	112	32066	1.97	ppb	82
79) 3-CBTF	10.029	180	17769	1.93	ppb	# 79
80) 4-CBTF	10.077	180	18014	2.13	ppb	90
81) 1,1,1,2-Tetrachloroethane	10.096	131	9203	1.70	ppb	# 77
82) Ethylbenzene	10.132	106	18464	2.04	ppb	# 89
83) (m+p)Xylene	10.236	106	42224	3.95	ppb	89
84) o-Xylene	10.589	106	22158	2.08	ppb	# 85
85) Styrene	10.608	104	35664	2.00	ppb	93
87) Bromoform	10.754	173	4118	1.82	ppb	# 65
88) 2-CBTF	10.833	180	17791	2.03	ppb	92
89) Isopropylbenzene	10.925	105	55601	2.13	ppb	97
90) Cyclohexanone	10.992	55	16946	36.94	ppb	85
91) trans-1,4-Dichloro-2-B...	11.217	53	2705m	1.96	ppb	
92) 1,1,2,2-Tetrachloroethane	11.175	83	10967	2.20	ppb	# 76
93) Bromobenzene	11.169	156	14702	2.08	ppb	93
94) 1,2,3-Trichloropropane	11.205	110	3273	2.05	ppb	# 47
95) n-Propylbenzene	11.278	91	64022	2.11	ppb	96
96) 2-Chlorotoluene	11.339	91	36931	2.04	ppb	94
97) 3-Chlorotoluene	11.394	91	41466m	2.08	ppb	
98) 4-Chlorotoluene	11.431	91	41107	1.95	ppb	95
99) 1,3,5-Trimethylbenzene	11.425	105	46893	2.07	ppb	91
100) tert-Butylbenzene	11.699	119	37455	2.02	ppb	92
101) 1,2,4-Trimethylbenzene	11.736	105	48325	2.08	ppb	91
102) 3,4-DCBTF	11.796	214	11552	1.70	ppb	# 88
103) sec-Butylbenzene	11.876	105	53811	1.98	ppb	91
104) p-Isopropyltoluene	11.998	119	45662	2.01	ppb	93
105) 1,3-Dclbenz	11.961	146	25968	1.92	ppb	# 72

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7377.D
 Acq On : 4 Jan 2017 2:23 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 5 Sample Multiplier: 1

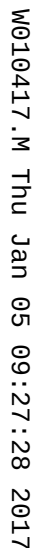
Inst : MSVOA-12

Quant Time: Jan 05 09:27:15 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	12.034	146	30660	2.17	ppb	84
107) 2,4-DCBTF	12.089	214	12193m	1.95	ppb	
108) 2,5-DCBTF	12.126	214	12989	1.95	ppb	93
109) n-Butylbenzene	12.333	91	44019	2.12	ppb	89
110) 1,2-Dclbenz	12.333	146	26056	2.06	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.949	157	2297	2.35	ppb #	72
112) Trielution Dichlorotol...	13.071	125	63323	5.82	ppb	96
113) 1,3,5 Trichlorobenzene	13.125	180	19649	2.04	ppb #	91
114) Coelution Dichlorotoluene	13.400	125	44909	3.82	ppb	99
115) 1,2,4-Tcbenzene	13.607	180	15629	1.86	ppb	87
116) Hexachlorobt	13.747	225	8735	2.28	ppb #	83
117) Naphthalen	13.796	128	33193	2.14	ppb	98
118) 1,2,3-Tclbenzene	13.991	180	14166	2.05	ppb	89
119) 2,4,5-Trichlorotoluene	14.570	159	11223	2.09	ppb	93
120) 2,3,6-Trichlorotoluene	14.656	159	8826m	1.97	ppb	

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

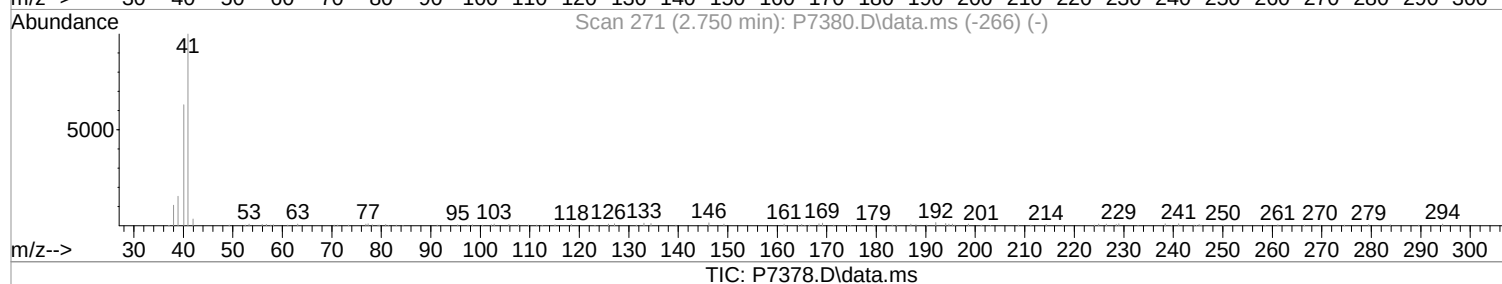
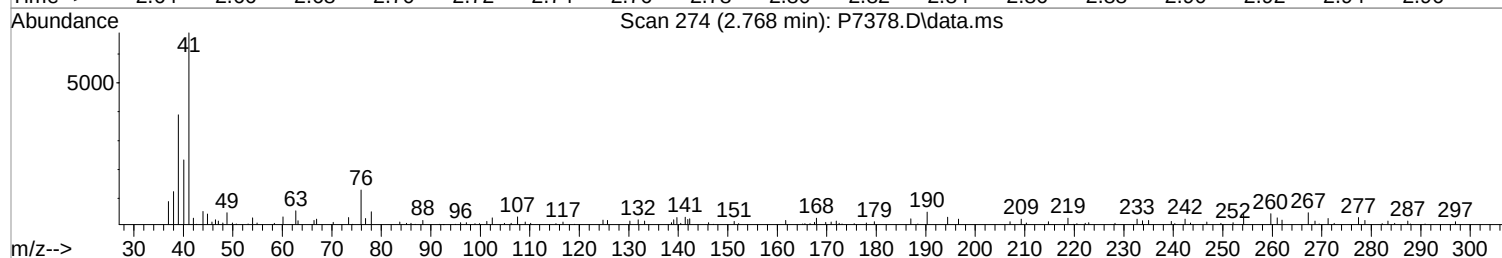
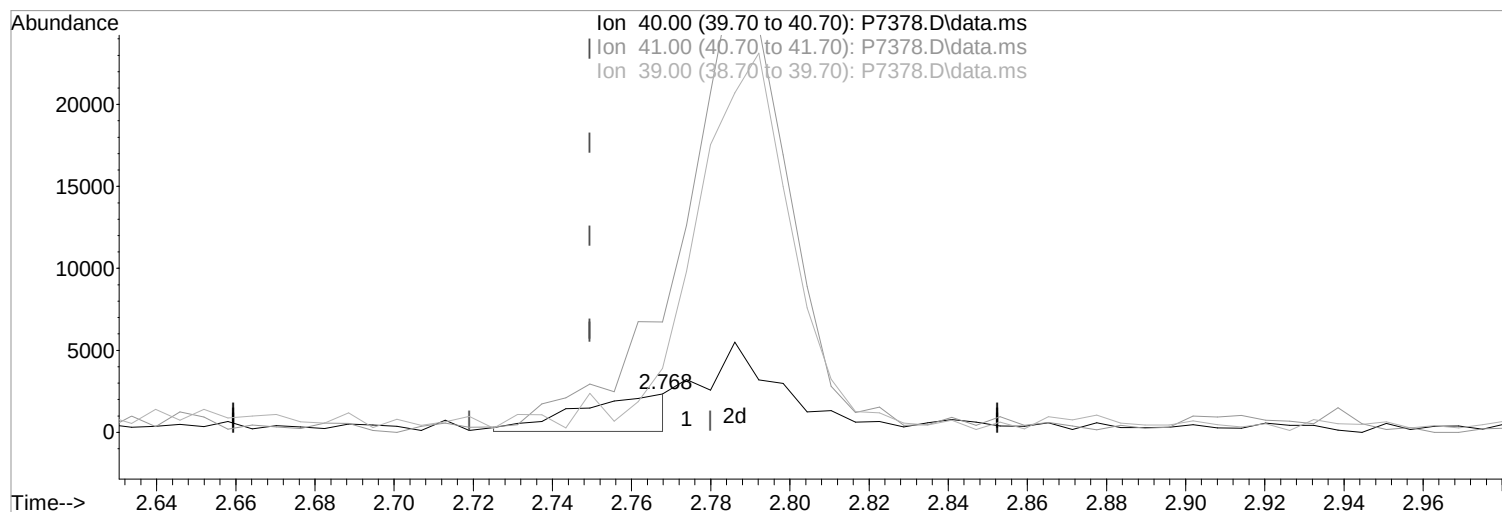
Inst : MSV0A-12



Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(19) Acetonitrile

2.768min (+0.018) 20.95 ppb m

response 3677

Ion	Exp%	Act%
40.00	100	100
41.00	161.50	288.39#
39.00	26.70	166.90#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

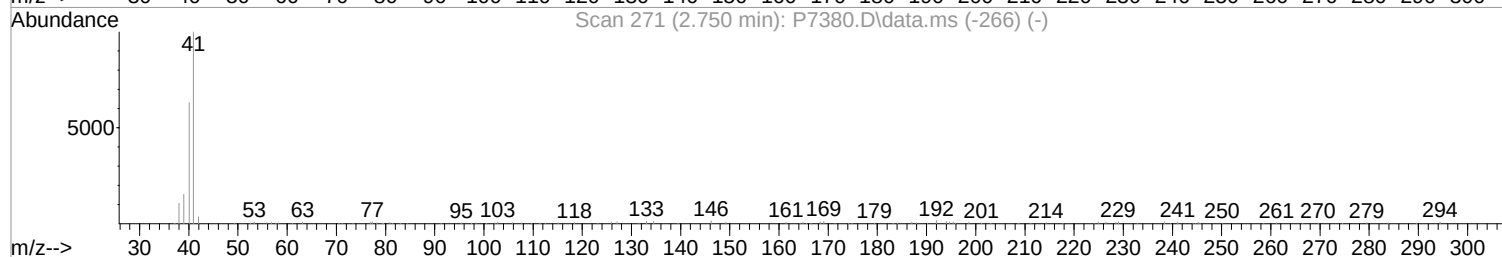
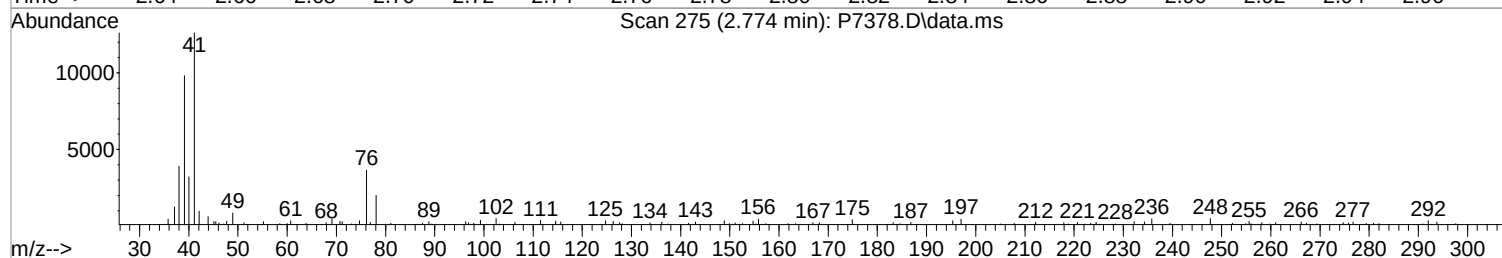
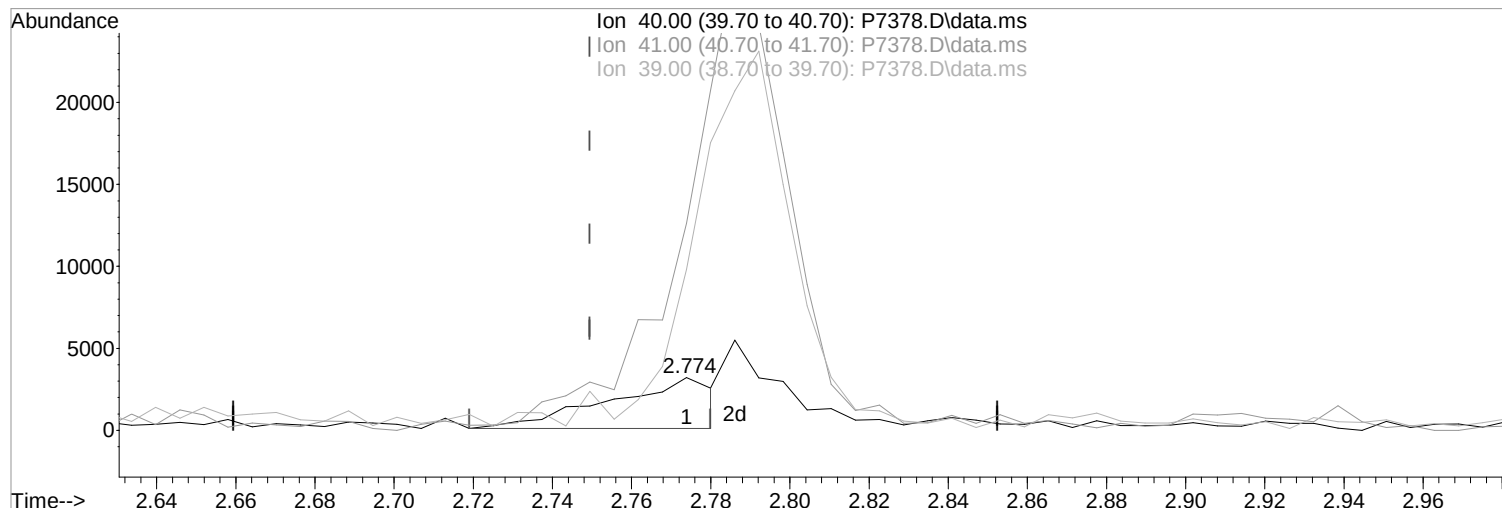
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(19) Acetonitrile

Manual Integration:

2.774min (+0.024) 32.08 ppb

Before

response 5632

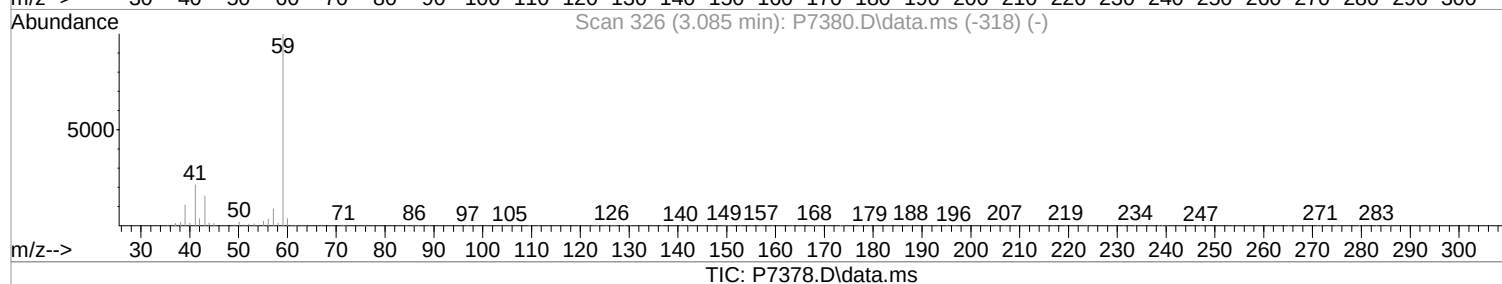
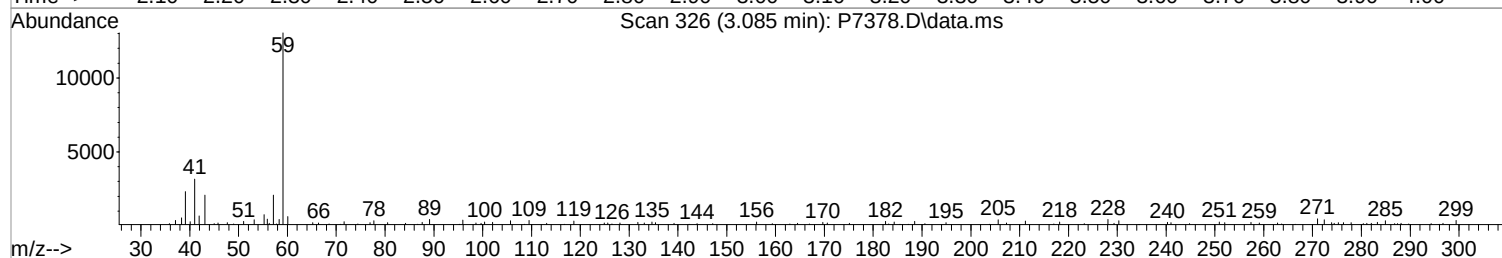
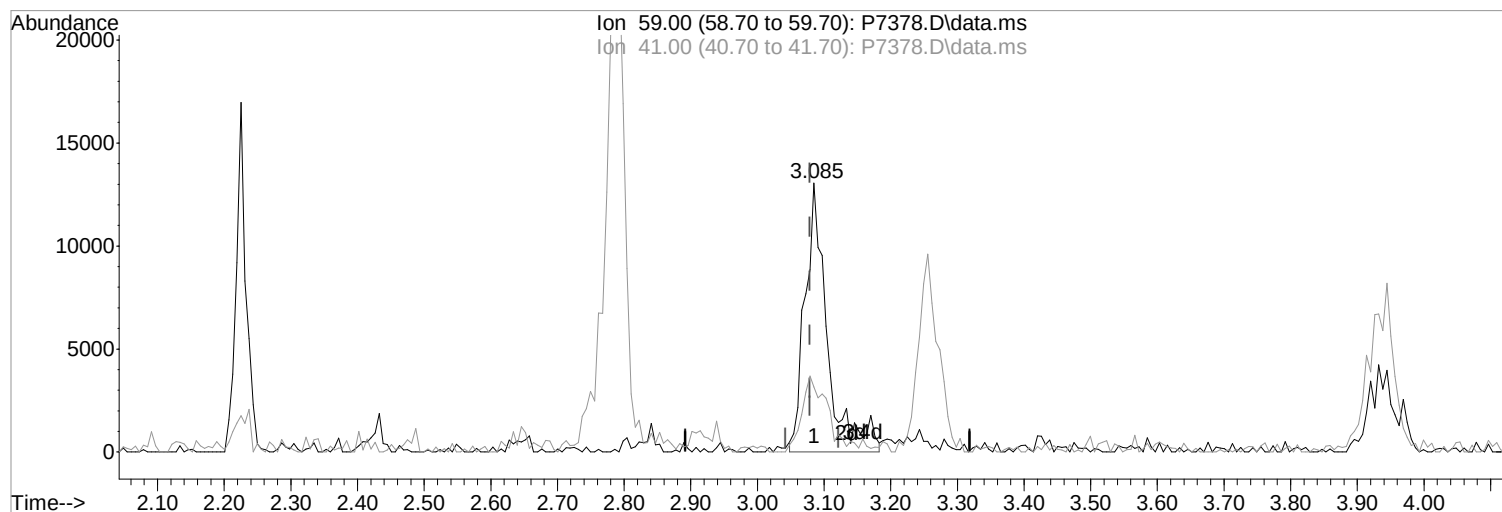
Ion	Exp%	Act%
40.00	100	100
41.00	161.50	393.09#
39.00	26.70	305.48#
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(23) TBA

3.085min (+0.006) 99.37 ppb m

response 30446

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	24.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

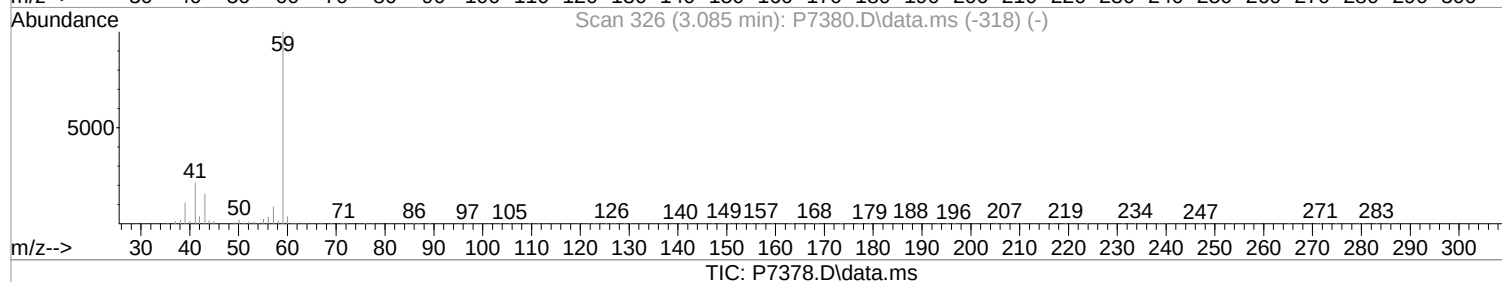
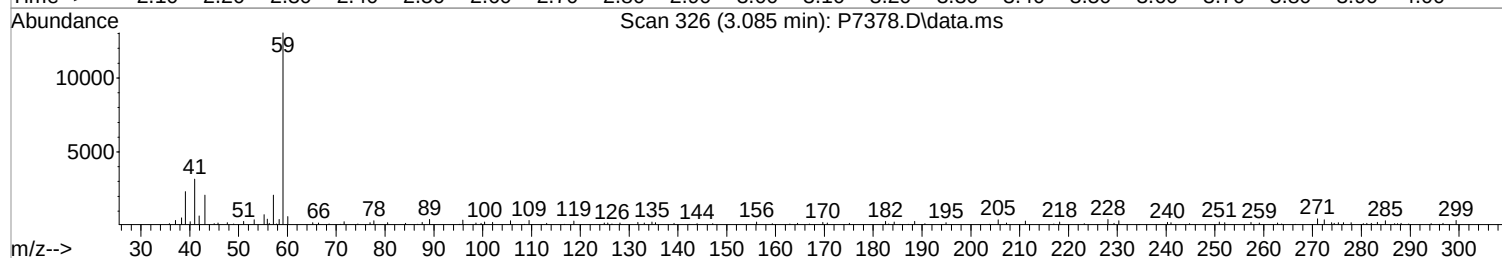
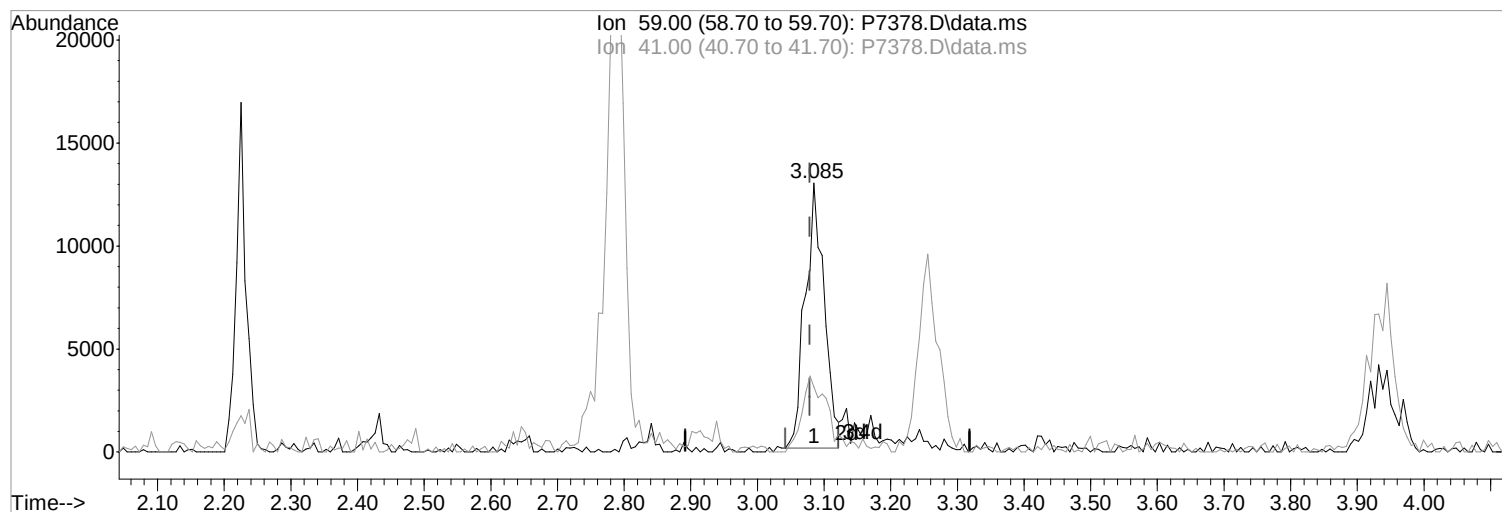
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(23) TBA

Manual Integration:

3.085min (+0.006) 83.77 ppb

Before

response 25667

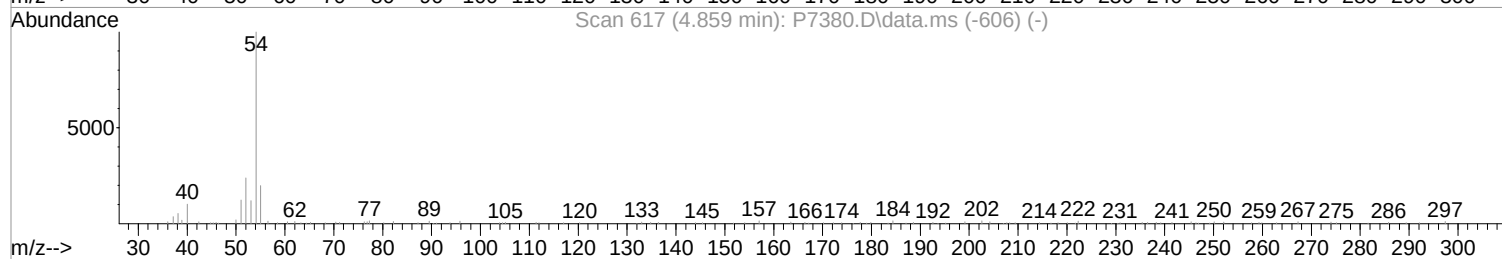
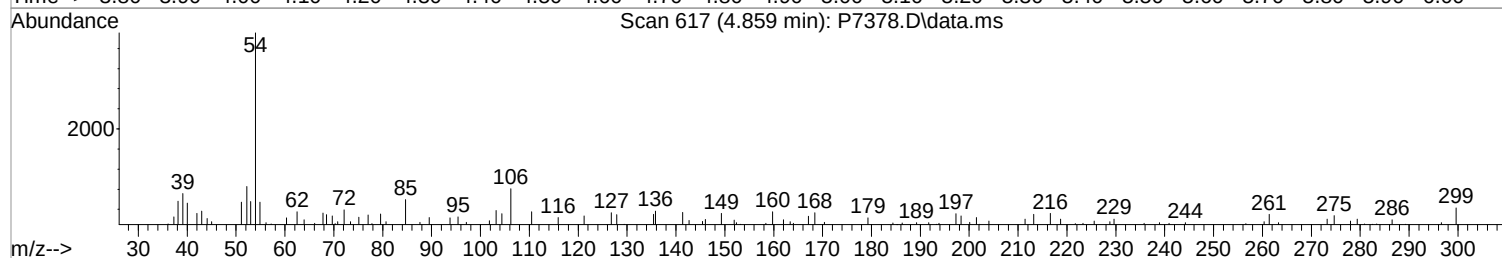
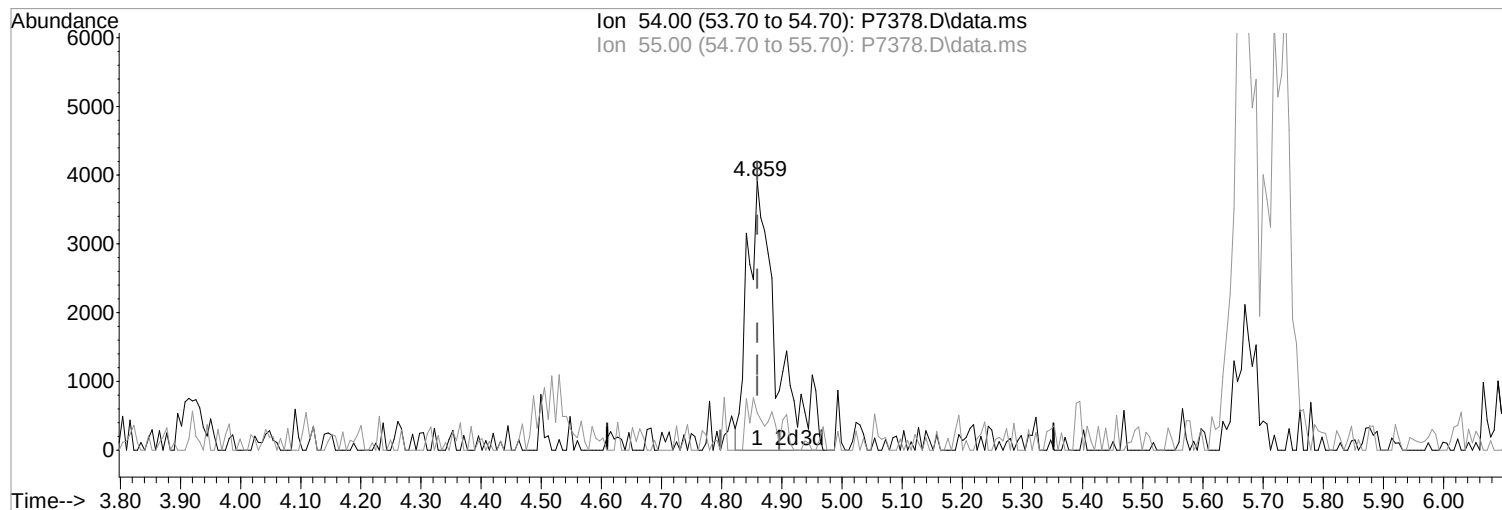
Ion	Exp%	Act%
59.00	100	100
41.00	21.50	24.24
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(36) Propionitrile

4.859min (+0.000) 25.94 ppb m

response 13092

Ion	Exp%	Act%
54.00	100	100
55.00	20.30	13.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

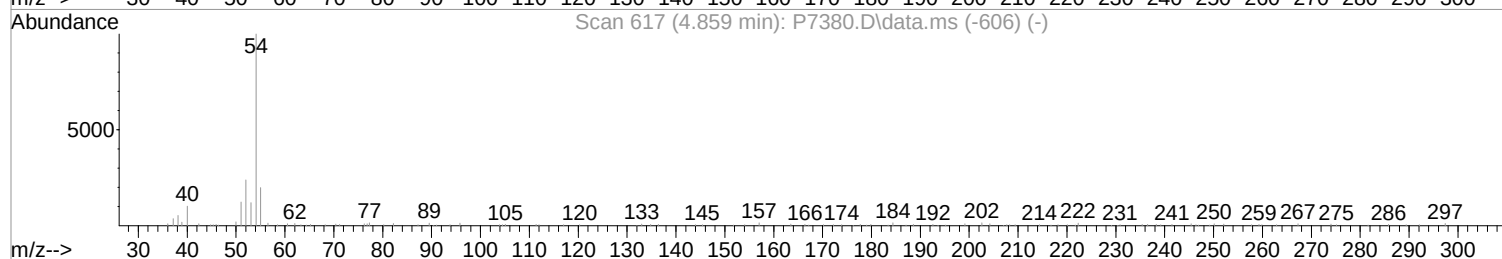
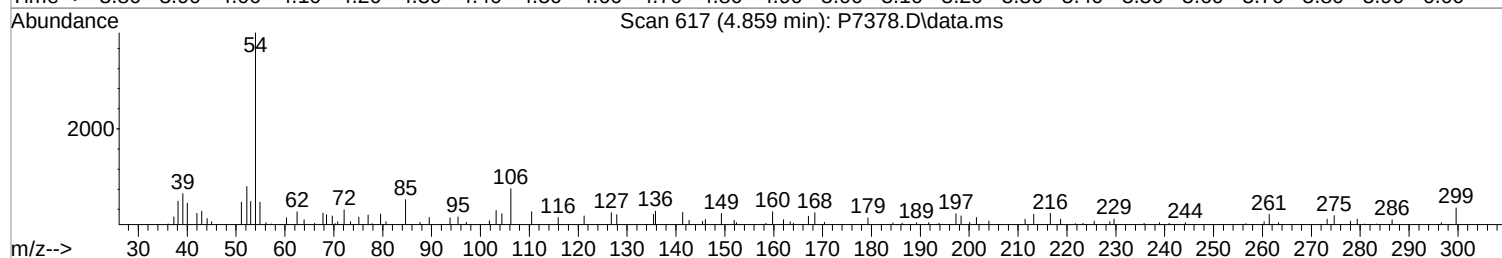
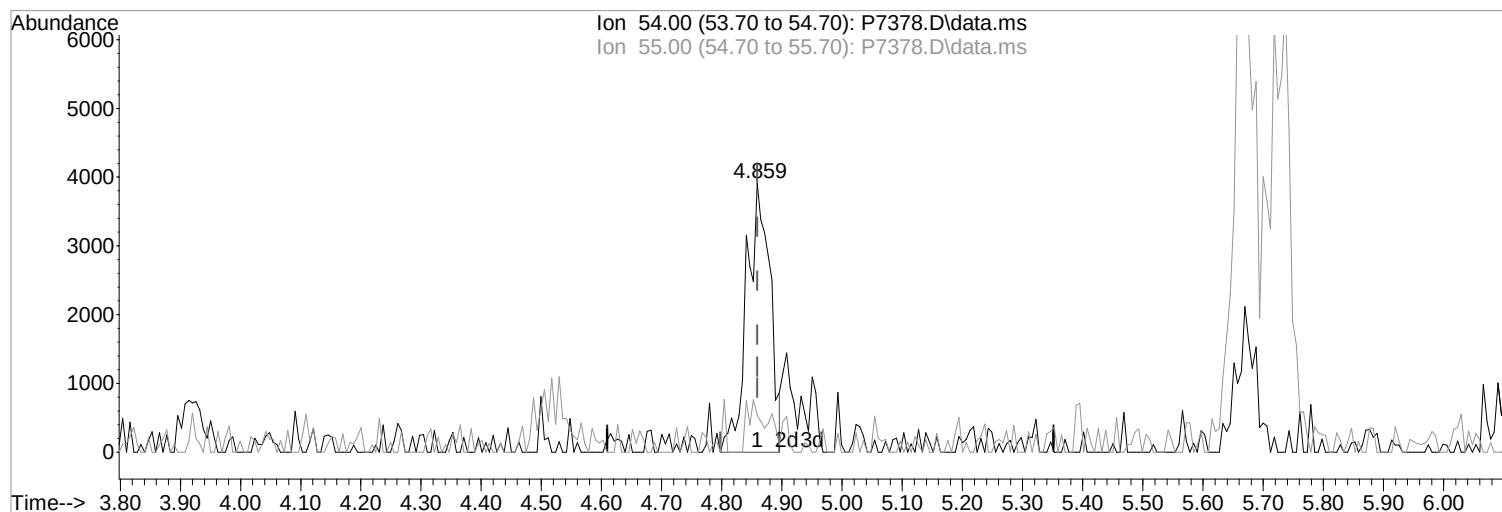
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(36) Propionitrile

Manual Integration:

4.859min (+0.000) 20.78 ppb

Before

response 10490

Ion	Exp%	Act%
54.00	100	100
55.00	20.30	13.80
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

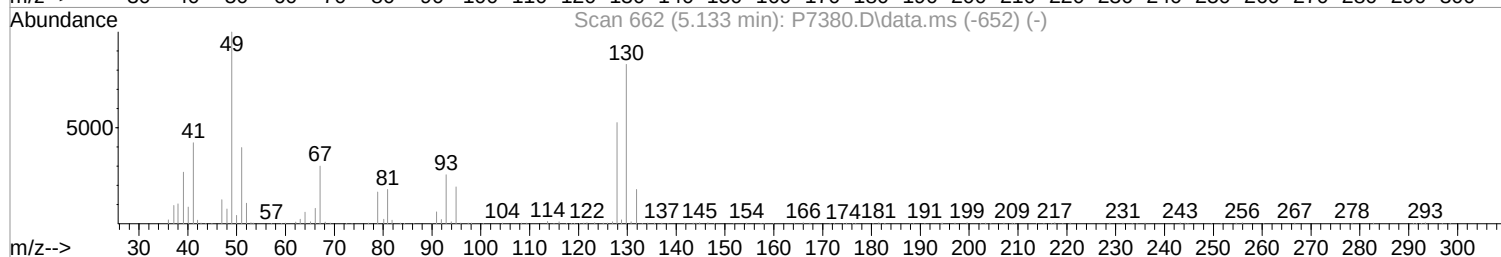
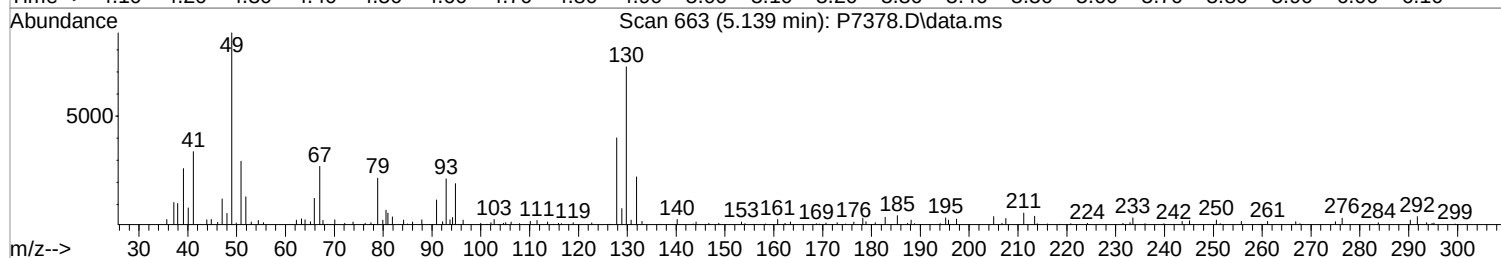
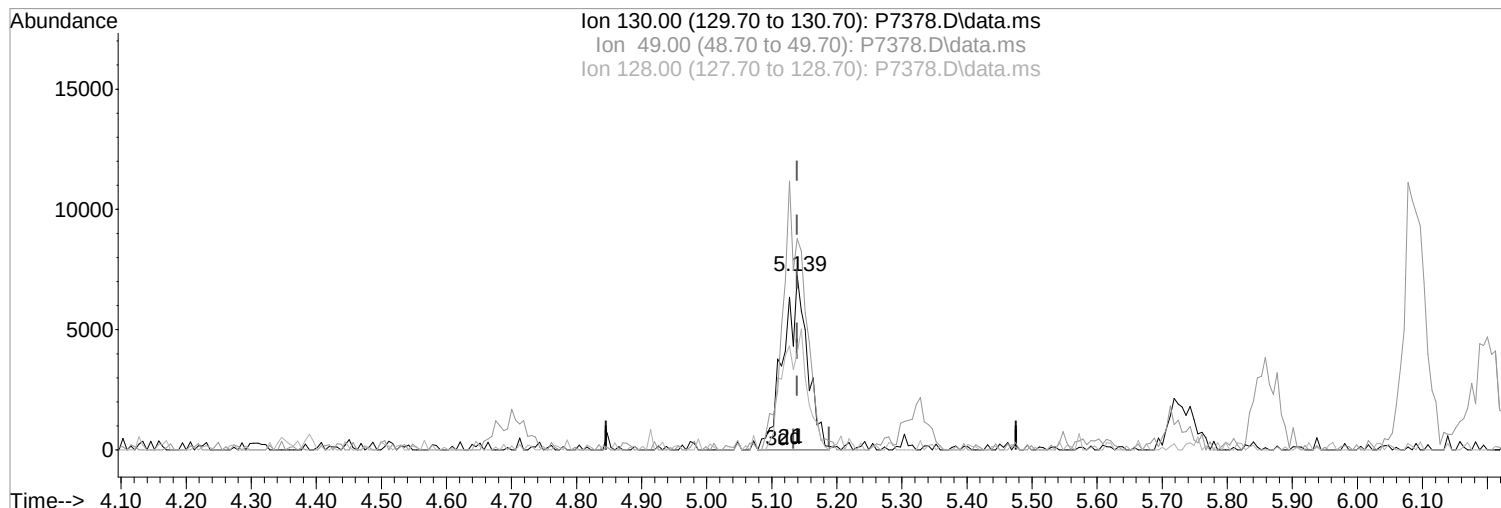
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(37) Bromochloromethane

Manual Integration:

5.139min (+0.000) 5.16 ppb m

After

response 18629

Split Peak

Ion	Exp%	Act%
130.00	100	100
49.00	120.70	121.24
128.00	64.20	55.52
0.00	0.00	0.00

01/05/17

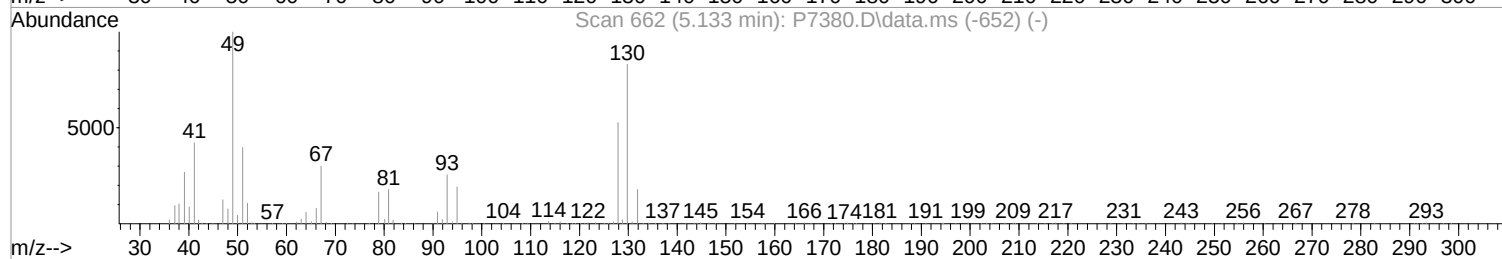
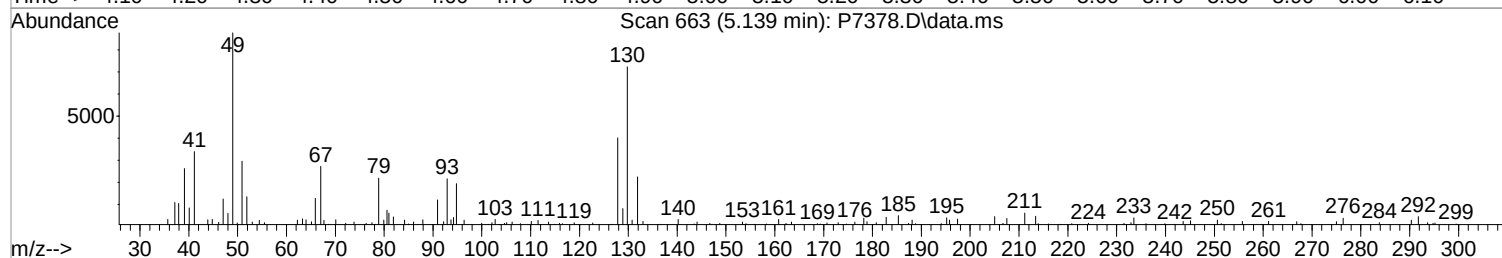
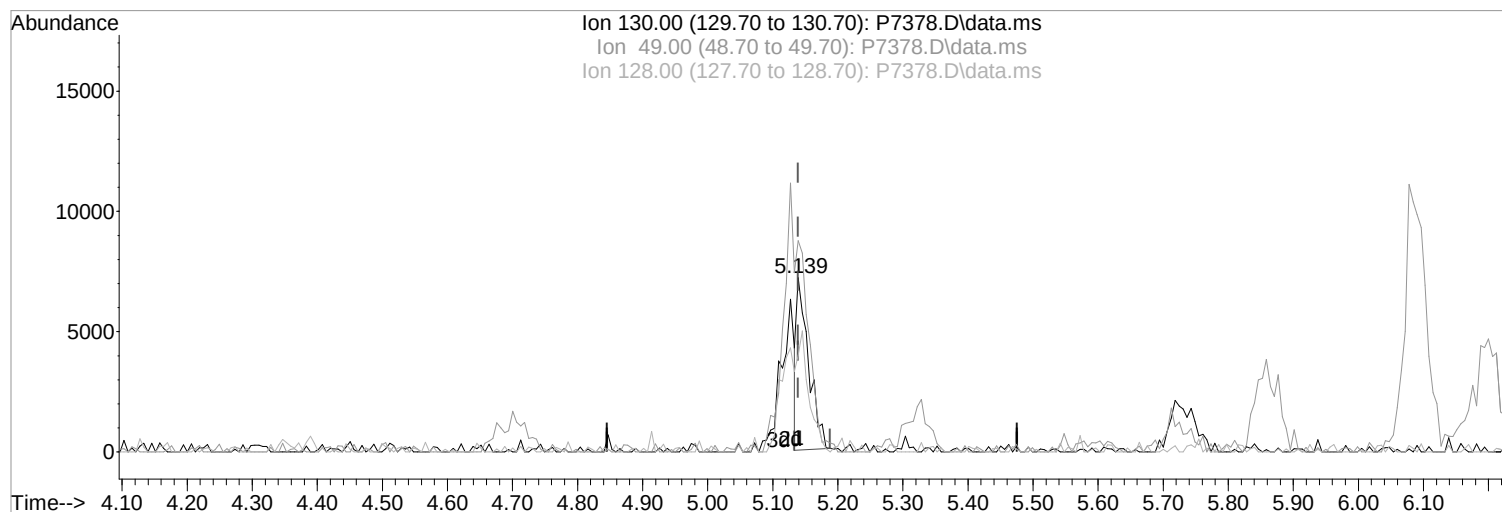
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(37) Bromochloromethane

Manual Integration:

5.139min (+0.000) 2.53 ppb

Before

response 9146

Ion	Exp%	Act%

01/05/17

130.00	100	100

49.00	120.70	121.24

128.00	64.20	55.52

0.00	0.00	0.00

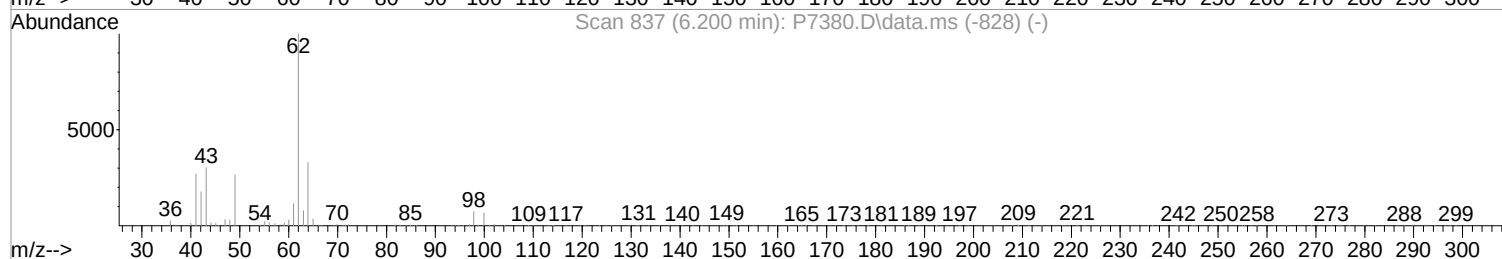
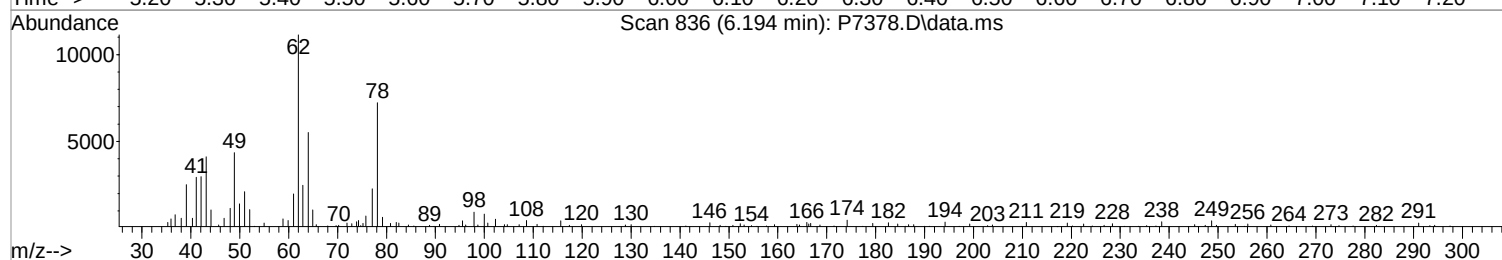
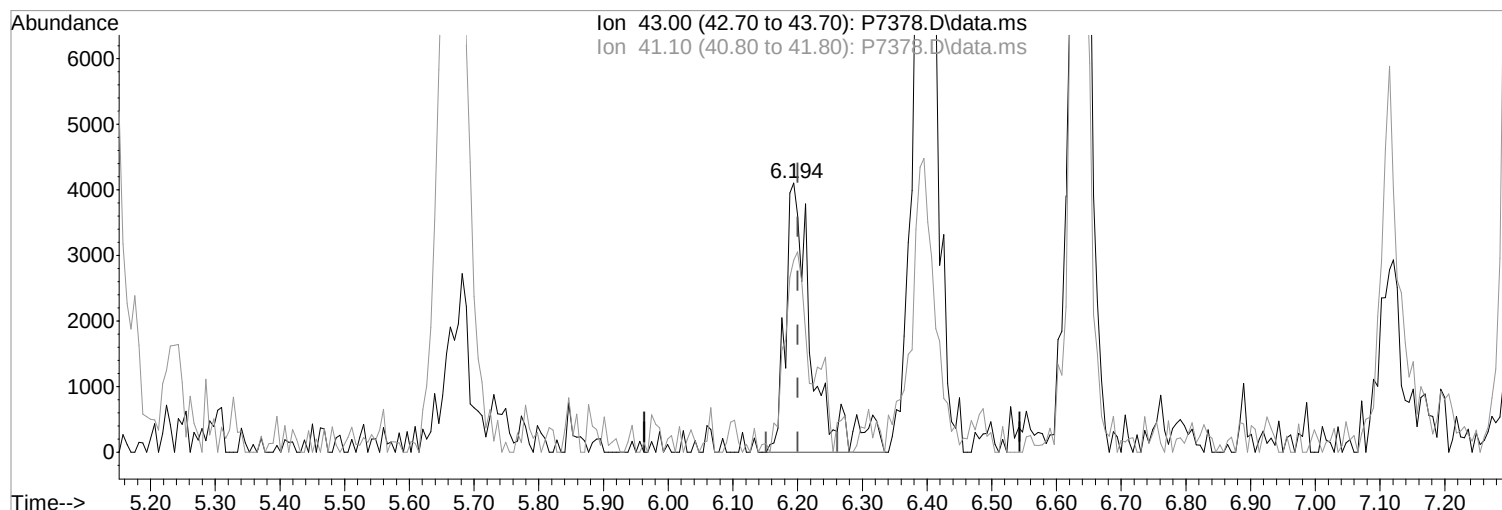
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(51) Iso-Butyl Alcohol

6.194min (-0.006) 92.37 ppb m

response 11968

Ion	Exp%	Act%
43.00	100	100
41.10	88.60	71.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

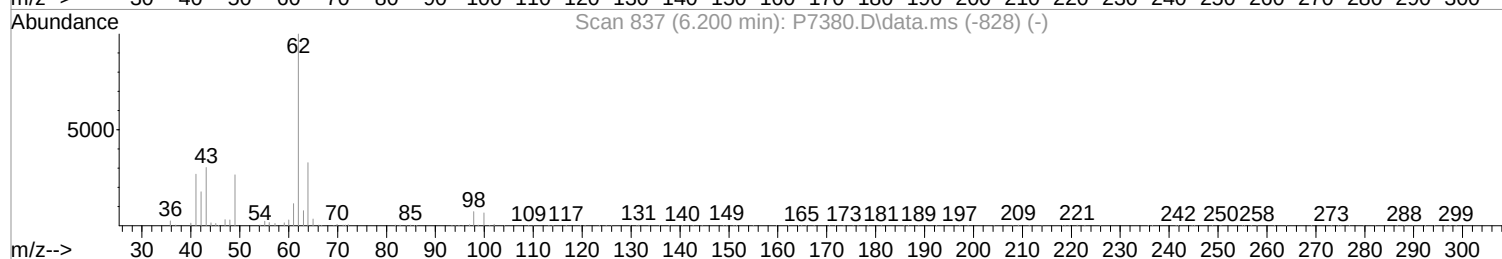
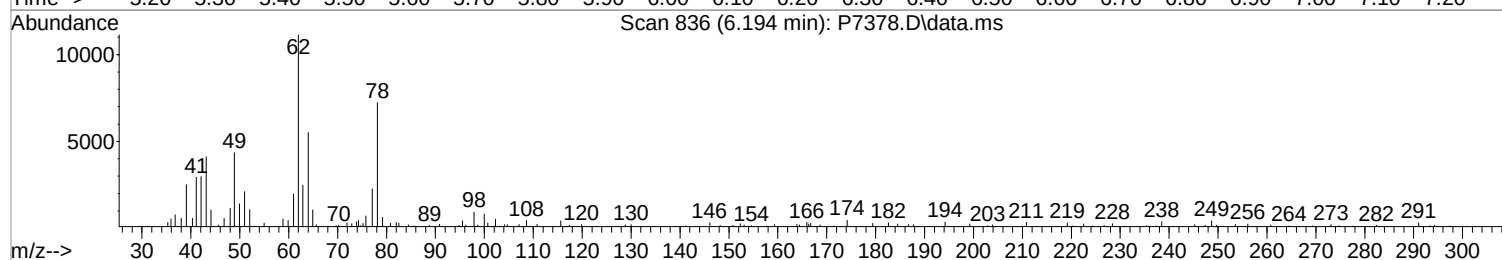
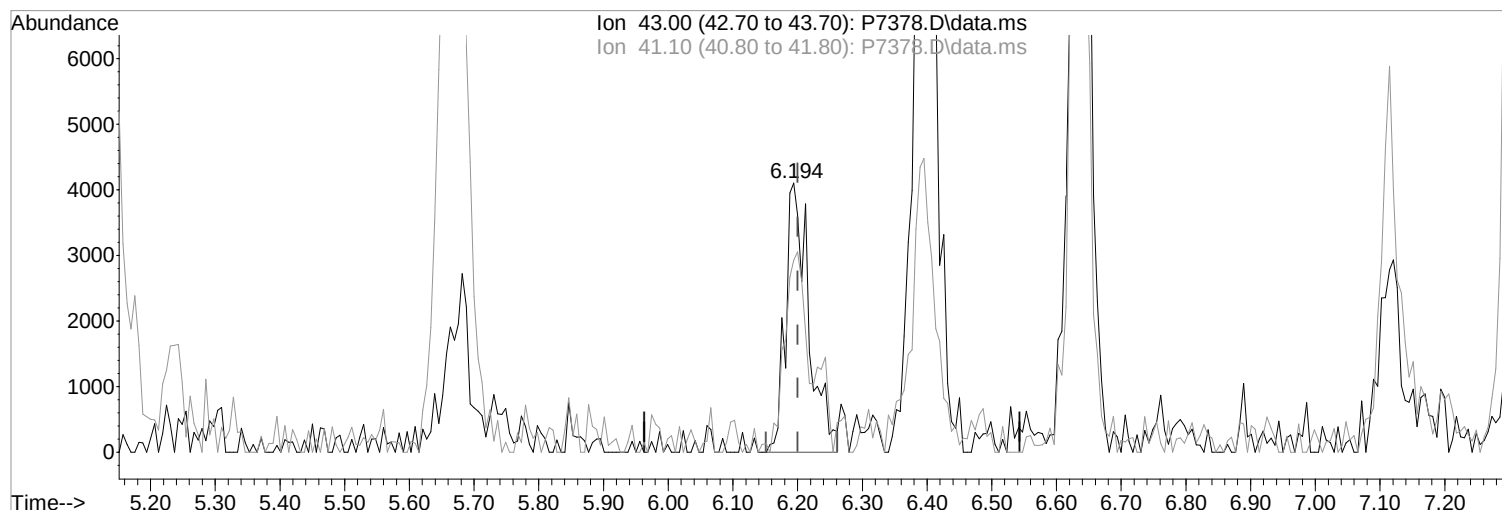
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(51) Iso-Butyl Alcohol

Manual Integration:

6.194min (-0.006) 79.92 ppb

Before

response 10354

Ion	Exp%	Act%
43.00	100	100
41.10	88.60	71.27
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

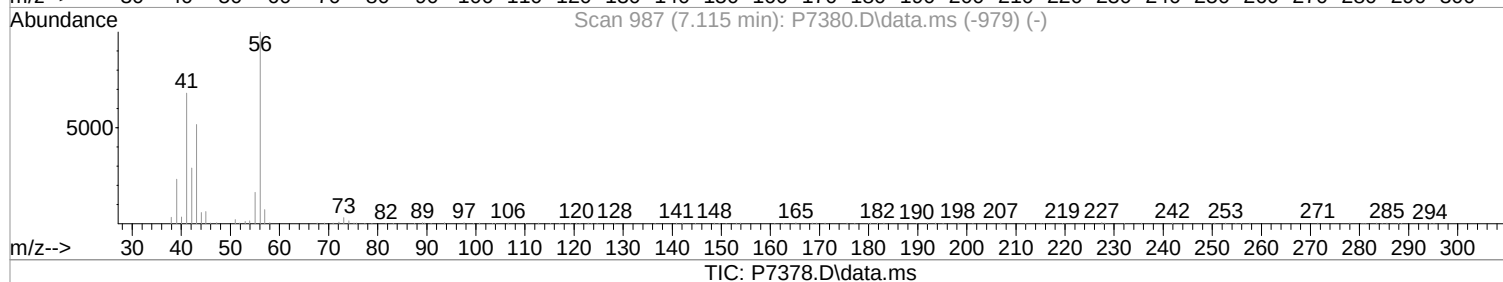
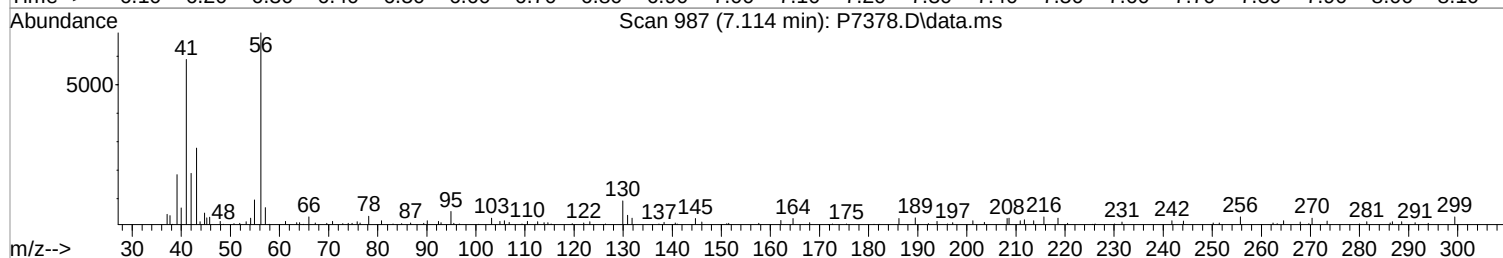
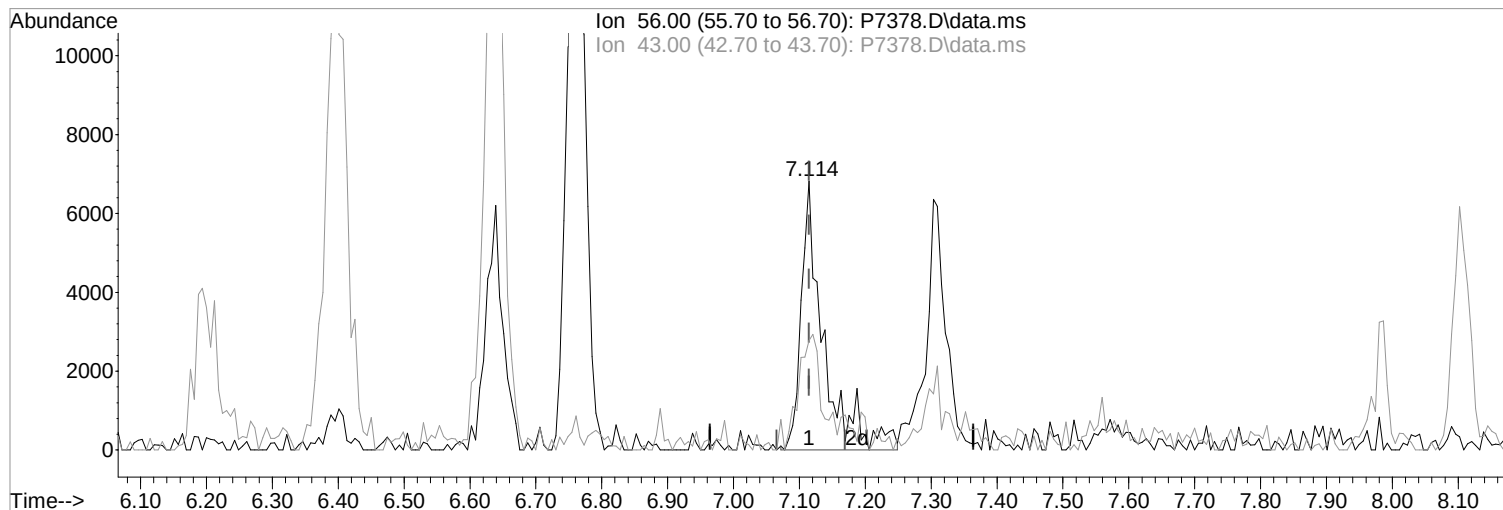
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(53) 1-Butanol

7.114min (+0.000) 215.32 ppb m

response 16155

Ion	Exp%	Act%
56.00	100	100
43.00	57.60	43.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

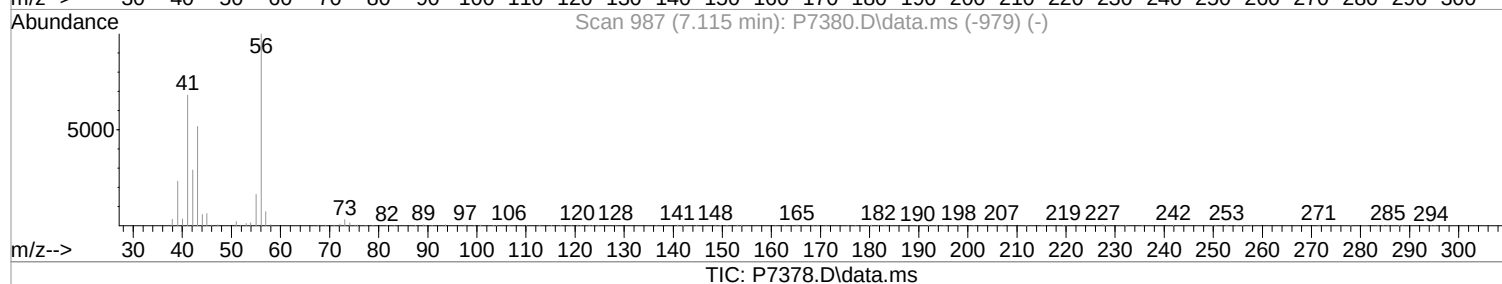
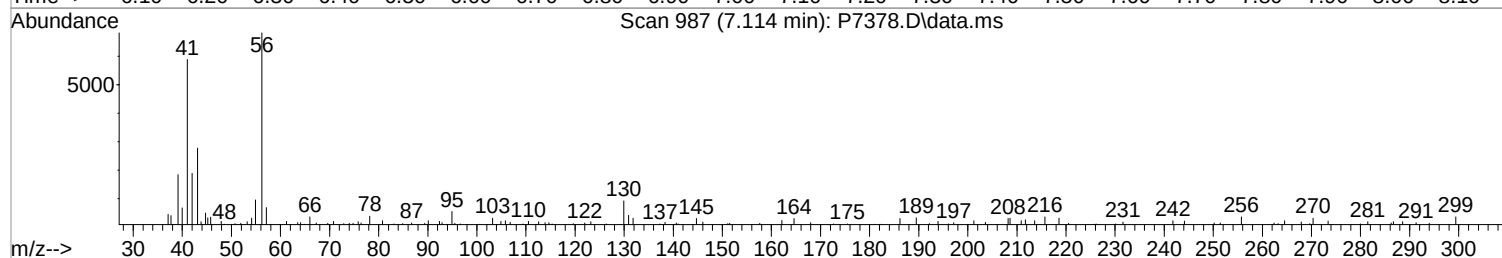
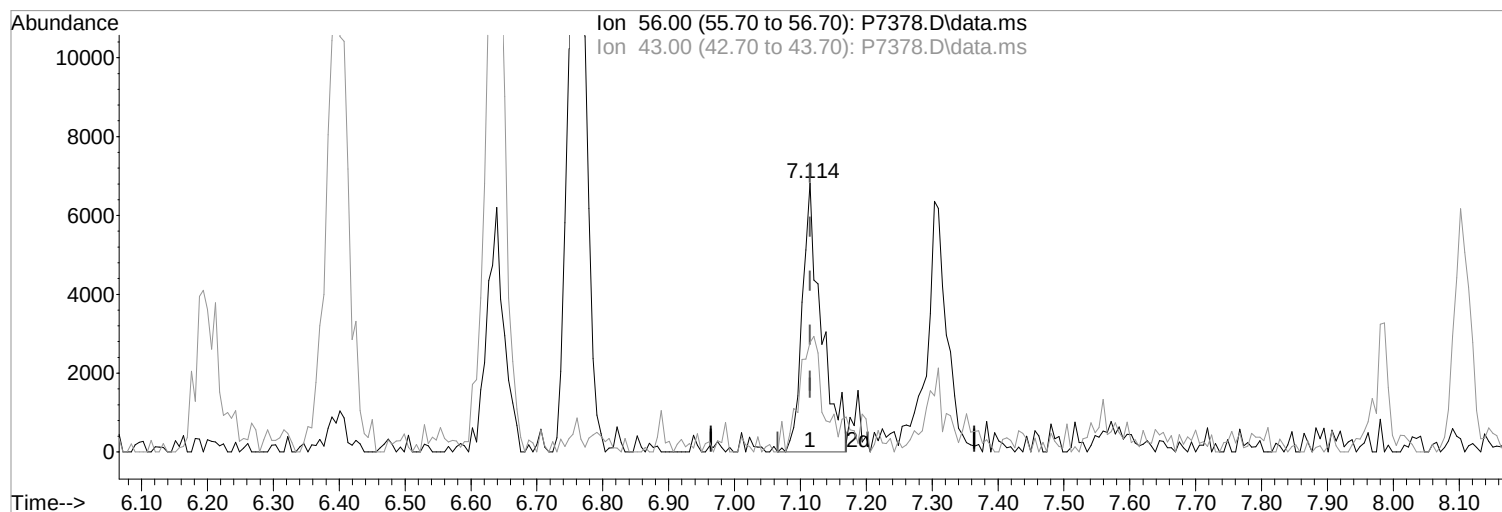
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(53) 1-Butanol

Manual Integration:

7.114min (+0.000) 183.31 ppb

Before

response 13753

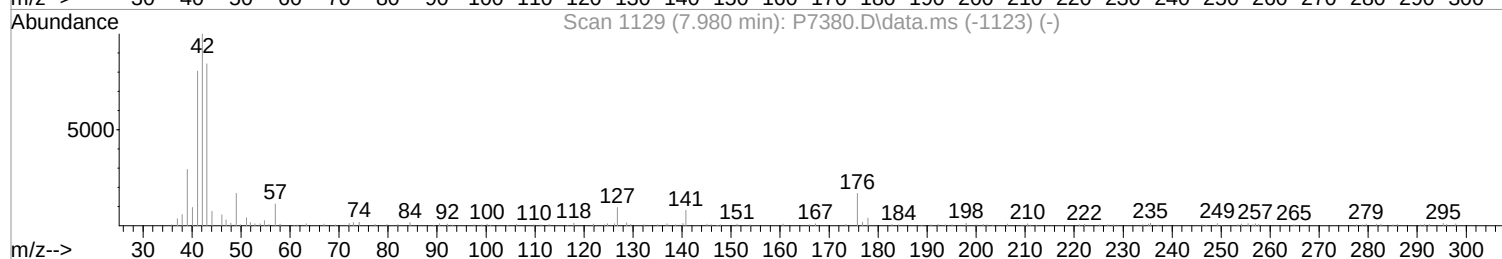
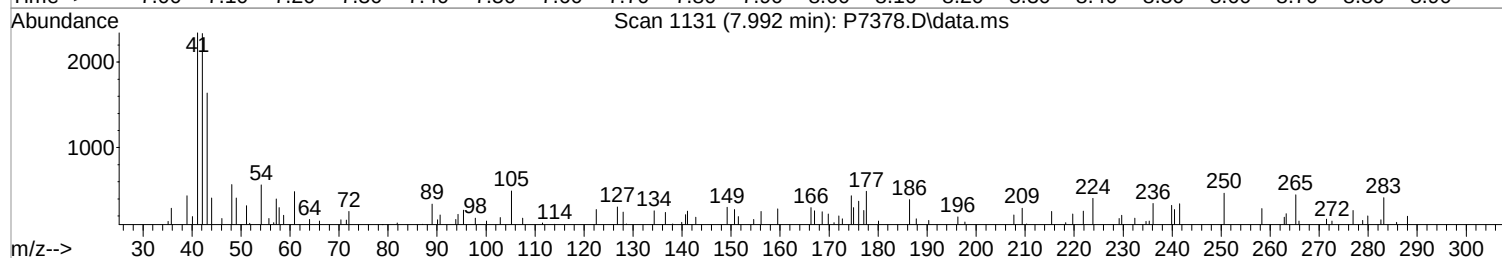
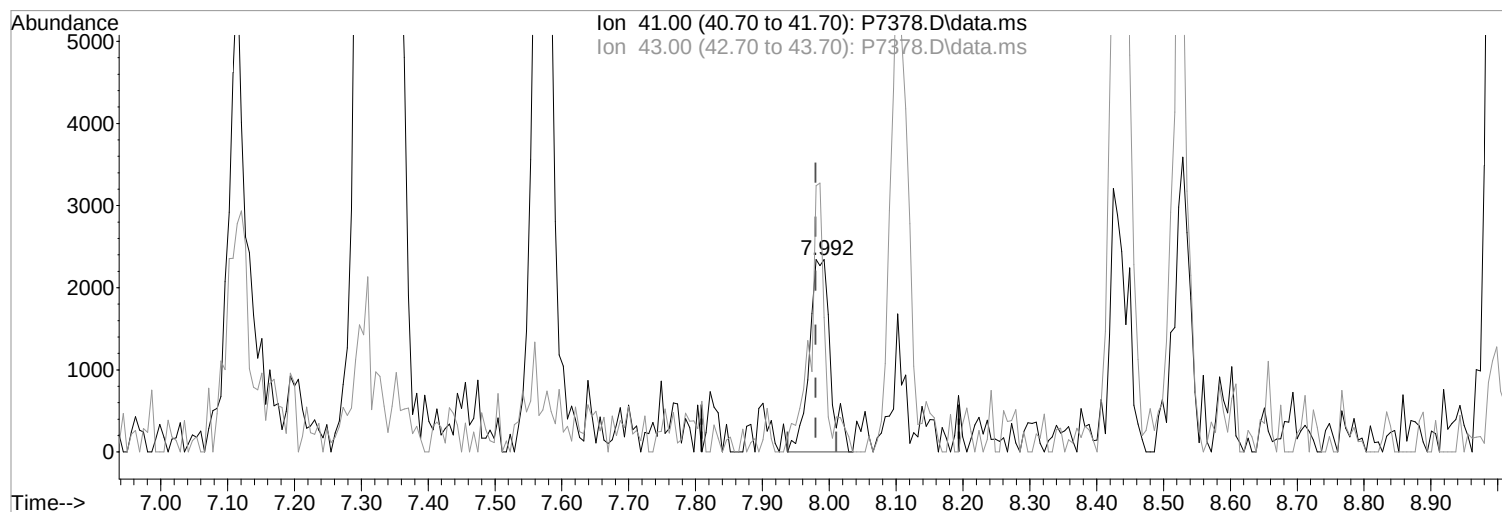
Ion	Exp%	Act%
56.00	100	100
43.00	57.60	51.65
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(61) 2-Nitropropane

Manual Integration:

7.992min (+0.012) 8.86 ppb m

After

response 5118

Poor integration.

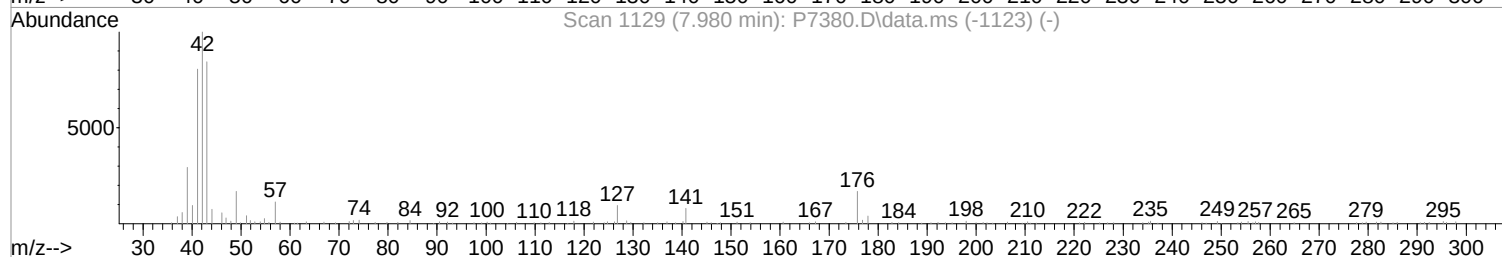
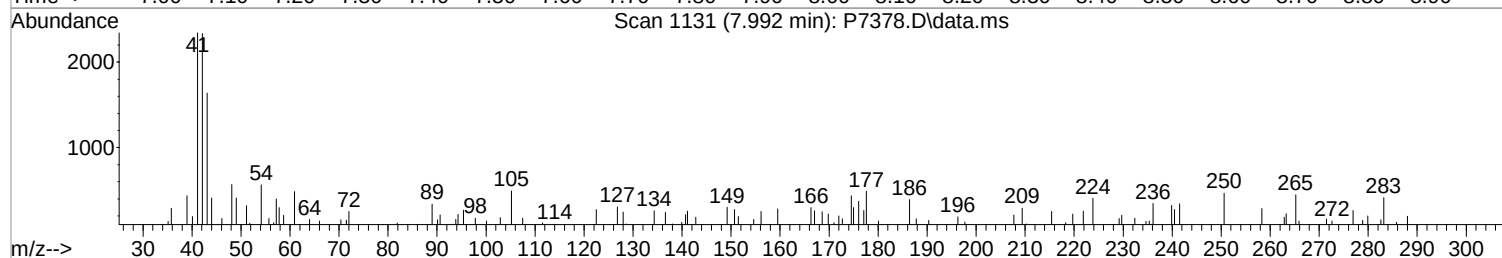
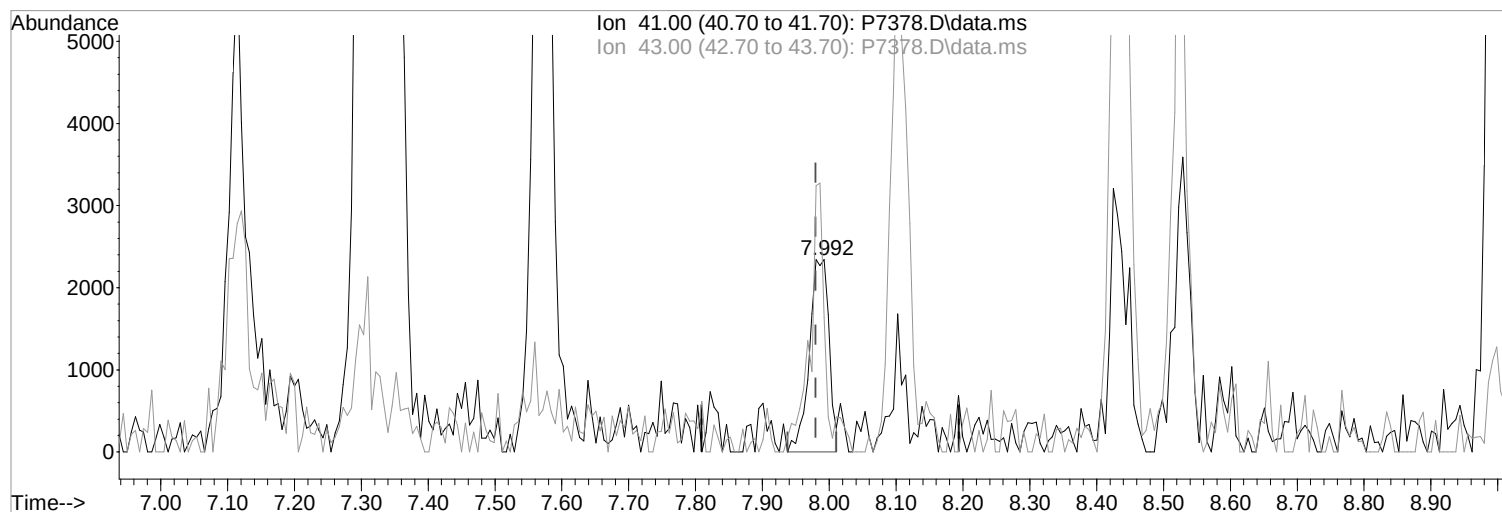
Ion	Exp%	Act%
41.00	100	100
43.00	104.90	69.92#
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(61) 2-Nitropropane

Manual Integration:

7.992min (+0.012) 8.30 ppb

Before

response 4792

Ion	Exp%	Act%

01/05/17

41.00	100	100

43.00	104.90	69.92#

0.00	0.00	0.00

0.00	0.00	0.00

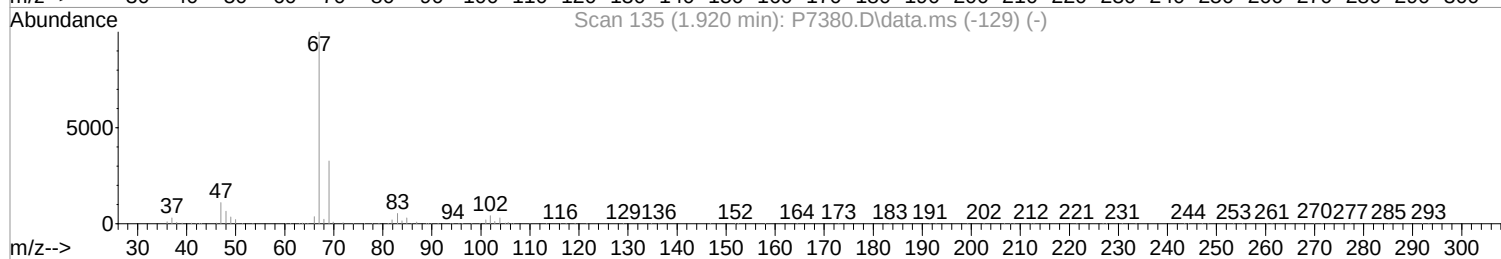
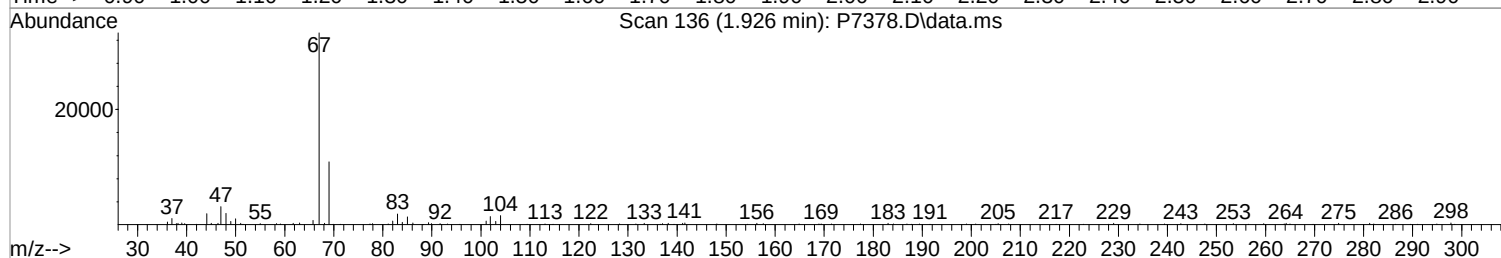
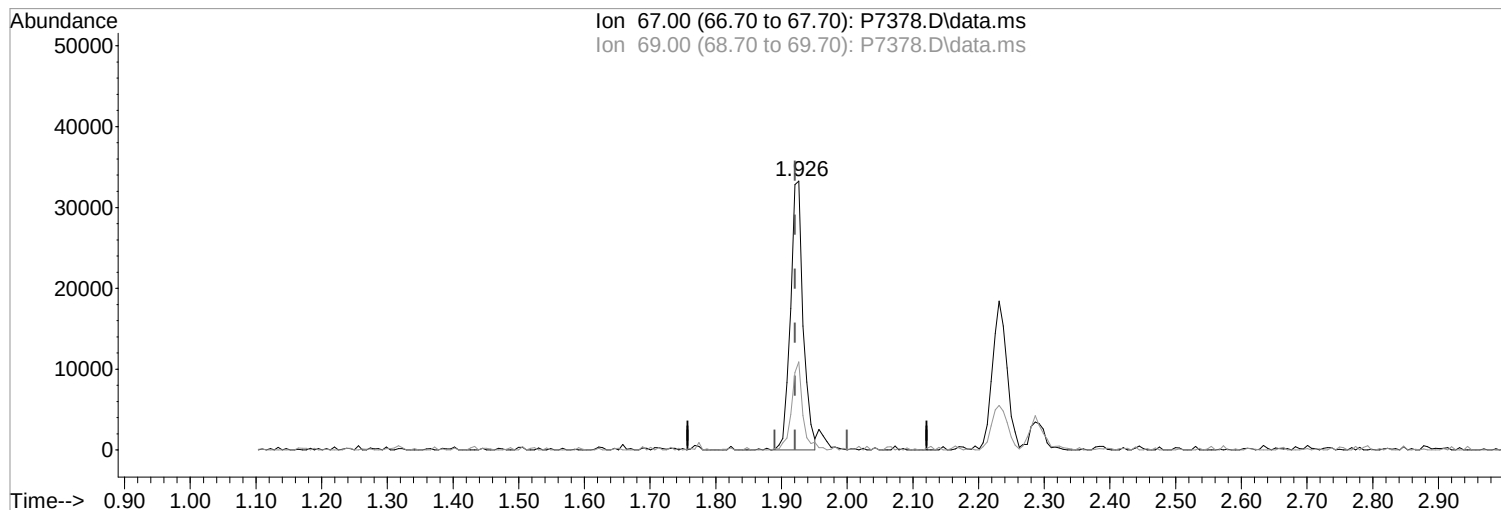
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(7) Freon 21

1.926min (+0.006) 4.89 ppb m

response 44760

Ion	Exp%	Act%
67.00	100	100
69.00	32.60	32.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

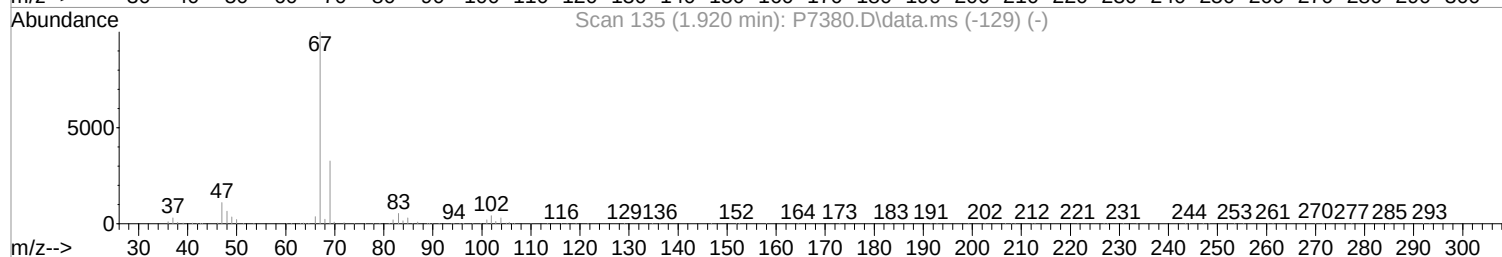
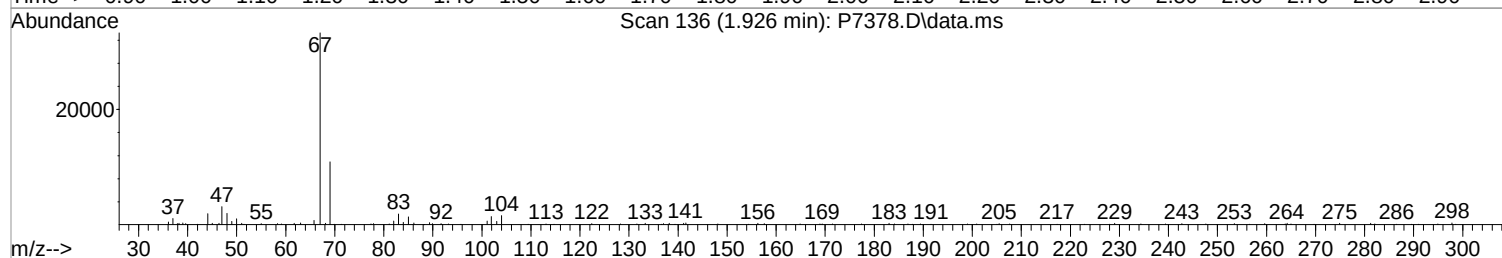
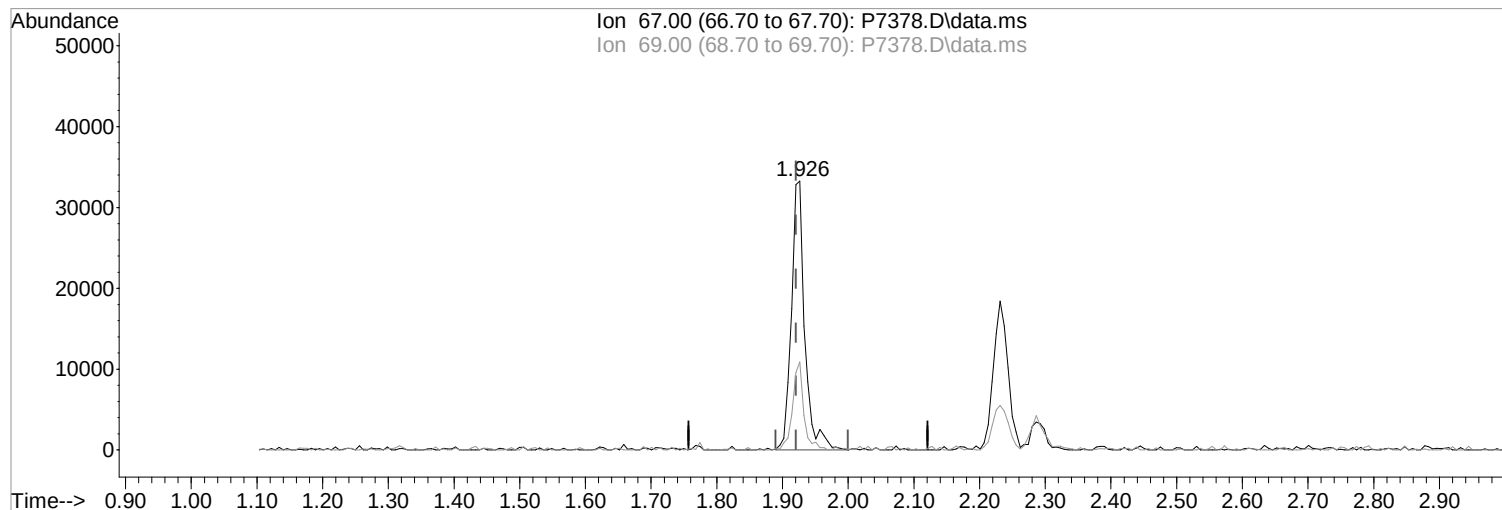
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7378.D
Acq On : 4 Jan 2017 2:53 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:08 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7378.D\data.ms

(7) Freon 21

Manual Integration:

1.926min (+0.006) 5.14 ppb

Before

response 47074

01/05/17

Ion	Exp%	Act%
67.00	100	100
69.00	32.60	32.81
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7378.D
 Acq On : 4 Jan 2017 2:53 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:04:27 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.731	168	761271	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1202493	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1183656	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	648815	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	467240	72.01	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	144.02%#	
48) surr1,1,2-dichloroetha...	6.090	65	529236	73.46	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	146.92%#	
65) SURR3,Toluene-d8	8.523	98	1949030	72.65	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	145.30%#	
70) SURR2,BFB	11.047	95	729286	70.15	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	140.30%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	45492	4.91	ppb	94
3) Chloromethane	1.347	50	38220	4.60	ppb	94
4) Vinyl Chloride	1.427	62	36906	5.02	ppb	93
5) Bromomethane	1.683	94	15853	4.27	ppb	94
6) Chloroethane	1.762	64	19291	4.95	ppb	94
7) Freon 21	1.926	67	44760m	4.89	ppb	
8) Trichlorofluoromethane	1.969	101	40551	4.92	ppb	99
9) Diethyl Ether	2.225	59	17661	5.05	ppb	# 77
10) Freon 123a	2.231	67	28598	4.95	ppb	84
11) Freon 123	2.292	83	32794	4.93	ppb	93
12) Acrolein	2.335	56	14045	24.38	ppb	89
13) 1,1-Dicethene	2.426	96	25397	4.71	ppb	# 82
14) Freon 113	2.439	101	29024	4.98	ppb	94
15) Acetone	2.475	43	6408	5.72	ppb	# 54
16) 2-Propanol	2.646	45	18322	103.24	ppb	85
17) Iodomethane	2.567	142	41599	5.26	ppb	86
18) Carbon Disulfide	2.634	76	77065	4.69	ppb	98
19) Acetonitrile	2.768	40	3677m	20.95	ppb	
20) Allyl Chloride	2.792	76	15468	4.83	ppb	# 74
21) Methyl Acetate	2.817	43	13615	5.11	ppb	86
22) Methylene Chloride	2.920	84	28884	4.89	ppb	# 84
23) TBA	3.085	59	30446m	99.37	ppb	
24) Acrylonitrile	3.201	53	33605	25.32	ppb	92
25) Methyl-t-Butyl Ether	3.249	73	67695	4.77	ppb	91
26) trans-1,2-Dichloroethene	3.237	96	30411	4.87	ppb	# 84
28) 1,1-Dicethane	3.786	63	51345	4.91	ppb	95
29) Vinyl Acetate	3.914	86	4331	4.25	ppb	98
30) DIPE	3.932	45	94992	4.89	ppb	80
31) 2-Chloro-1,3-Butadiene	3.914	53	42886	4.81	ppb	91
32) ETBE	4.524	59	84303	5.11	ppb	96
33) 2,2-Dichloropropane	4.700	77	39782	4.82	ppb	92
34) cis-1,2-Dichloroethene	4.706	96	33991	5.17	ppb	93
35) 2-Butanone	4.773	43	8806	5.42	ppb	96
36) Propionitrile	4.859	54	13092m	25.94	ppb	
37) Bromochloromethane	5.139	130	18629m	5.16	ppb	
38) Methacrylonitrile	5.145	67	8329	5.13	ppb	# 69
39) Tetrahydrofuran	5.237	42	5595	5.31	ppb	89
40) Chloroform	5.322	83	50829	4.99	ppb	84
41) 1,1,1-Trichloroethane	5.584	97	43428	4.87	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7378.D
 Acq On : 4 Jan 2017 2:53 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:04:27 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	69285	4.76	ppb	95
44) Cyclohexane	5.670	41	33972	5.36	ppb	74
46) Carbontetrachloride	5.853	121	11013	4.94	ppb	83
47) 1,1-Dichloropropene	5.859	75	41331	5.16	ppb	93
49) Benzene	6.163	78	114918	5.40	ppb	94
50) 1,2-Dichloroethane	6.206	62	36831	4.92	ppb	90
51) Iso-Butyl Alcohol	6.194	43	11968m	92.37	ppb	
52) n-Heptane	6.639	43	33204	4.63	ppb	93
53) 1-Butanol	7.114	56	16155m	215.32	ppb	
54) Trichloroethene	7.078	130	31480	5.07	ppb	89
55) Methylcyclohexane	7.303	55	39134	5.33	ppb	93
56) 1,2-Dicloropropane	7.346	63	29862	4.95	ppb	80
57) Dibromomethane	7.492	93	15709	5.16	ppb	# 72
58) 1,4-Dioxane	7.566	88	5183	119.02	ppb	# 73
59) Methyl Methacrylate	7.566	69	12531	4.34	ppb	83
60) Bromodichloromethane	7.706	83	33178	4.48	ppb	95
61) 2-Nitropropane	7.992	41	5118m	8.86	ppb	
62) 2-Chloroethylvinyl Ether	8.102	63	15231	5.26	ppb	92
63) cis-1,3-Dichloropropene	8.236	75	41227	4.75	ppb	99
64) 4-Methyl-2-pentanone	8.437	43	17862	4.71	ppb	96
66) Toluene	8.596	91	131333	5.27	ppb	99
67) trans-1,3-Dichloropropene	8.858	75	35185	4.94	ppb	93
68) Ethyl Methacrylate	8.998	69	25077	4.56	ppb	96
69) 1,1,2-Trichloroethane	9.047	97	22516	5.33	ppb	# 65
72) Tetrachloroethene	9.175	164	26035	5.07	ppb	92
73) 2-Hexanone	9.327	43	12363	4.64	ppb	# 67
74) 1,3-Dichloropropane	9.206	76	42892	5.35	ppb	95
75) Dibromochloromethane	9.431	129	20590	4.50	ppb	91
76) N-Butyl Acetate	9.474	43	33339	5.13	ppb	88
77) 1,2-Dibromoethane	9.529	107	21919	5.25	ppb	89
78) Chlorobenzene	10.010	112	84250	5.07	ppb	95
79) 3-CBTF	10.029	180	46800	4.97	ppb	93
80) 4-CBTF	10.083	180	44089	5.11	ppb	90
81) 1,1,1,2-Tetrachloroethane	10.096	131	26714	4.84	ppb	92
82) Ethylbenzene	10.126	106	47425	5.13	ppb	93
83) (m+p)Xylene	10.236	106	109310	10.03	ppb	89
84) o-Xylene	10.589	106	54367	5.01	ppb	94
85) Styrene	10.602	104	87854	4.84	ppb	93
87) Bromoform	10.754	173	10470	4.54	ppb	99
88) 2-CBTF	10.833	180	44430	4.98	ppb	97
89) Isopropylbenzene	10.925	105	136431	5.14	ppb	97
90) Cyclohexanone	10.986	55	48102	103.11	ppb	83
91) trans-1,4-Dichloro-2-B...	11.230	53	6823	4.86	ppb	81
92) 1,1,2,2-Tetrachloroethane	11.181	83	24764	4.88	ppb	87
93) Bromobenzene	11.169	156	38198	5.31	ppb	# 81
94) 1,2,3-Trichloropropane	11.211	110	8391	5.16	ppb	# 67
95) n-Propylbenzene	11.272	91	156036	5.07	ppb	96
96) 2-Chlorotoluene	11.339	91	93427	5.07	ppb	96
97) 3-Chlorotoluene	11.388	91	103057	5.08	ppb	94
98) 4-Chlorotoluene	11.431	91	107224	4.99	ppb	97
99) 1,3,5-Trimethylbenzene	11.425	105	122338	5.32	ppb	85
100) tert-Butylbenzene	11.699	119	96899	5.15	ppb	98
101) 1,2,4-Trimethylbenzene	11.736	105	121981	5.17	ppb	97
102) 3,4-DCBTF	11.790	214	32285	4.67	ppb	95
103) sec-Butylbenzene	11.876	105	139580	5.05	ppb	98
104) p-Isopropyltoluene	11.998	119	123554	5.34	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7378.D
 Acq On : 4 Jan 2017 2:53 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:04:27 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

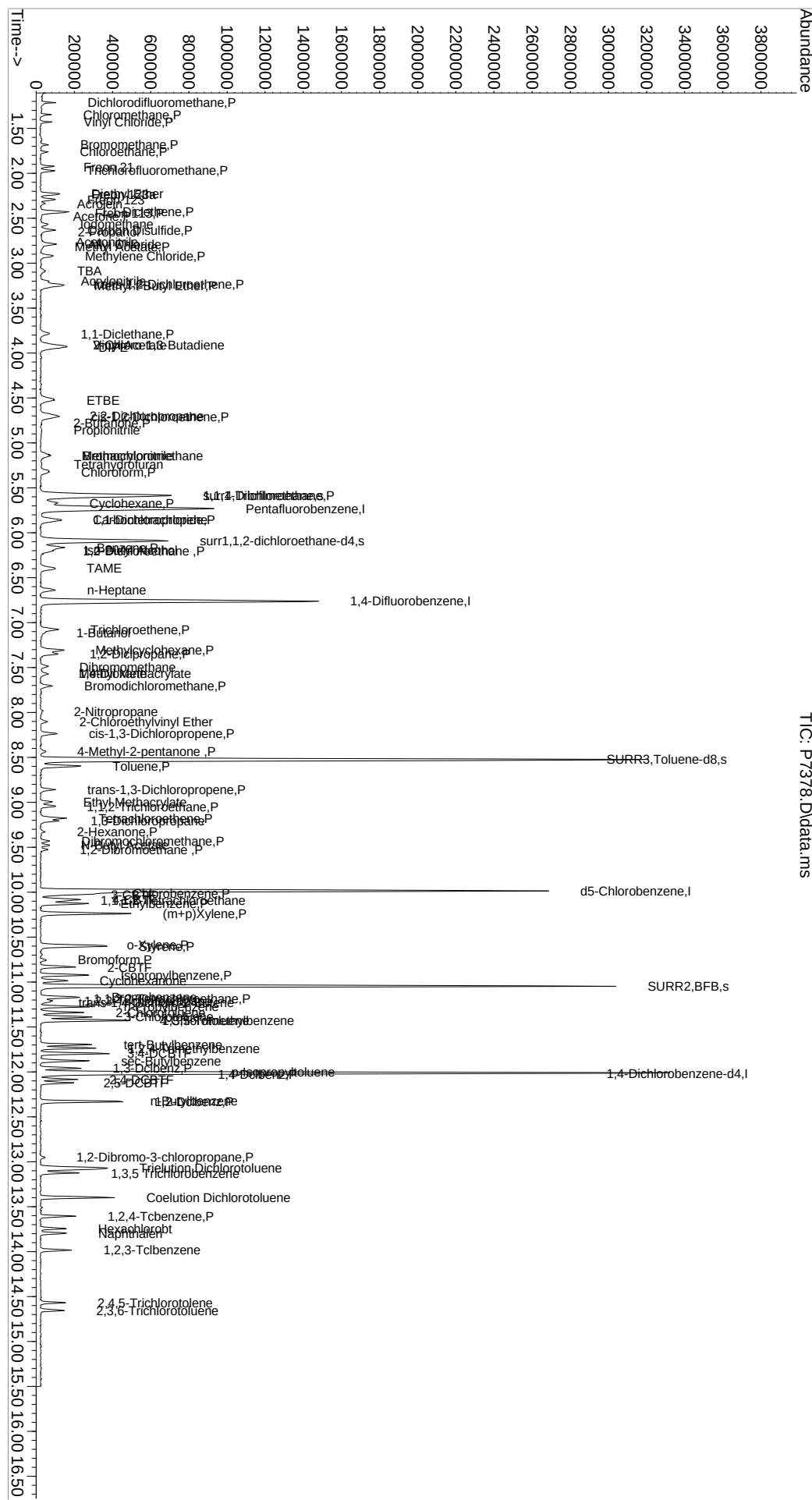
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.961	146	70187	5.10	ppb	95
106) 1,4-Dclbenz	12.028	146	70055	4.88	ppb	93
107) 2,4-DCBTF	12.083	214	31175	4.89	ppb	95
108) 2,5-DCBTF	12.126	214	34025	5.04	ppb	92
109) n-Butylbenzene	12.327	91	104667	4.96	ppb	93
110) 1,2-Dclbenz	12.333	146	65790	5.11	ppb	86
111) 1,2-Dibromo-3-chloropr...	12.949	157	3895	3.93	ppb #	73
112) Trielution Dichlorotol...	13.071	125	165205	14.92	ppb	96
113) 1,3,5 Trichlorobenzene	13.126	180	45330	4.62	ppb	85
114) Coelution Dichlorotoluene	13.400	125	118638	9.92	ppb	96
115) 1,2,4-Tcbenzene	13.607	180	40167	4.70	ppb	95
116) Hexachlorobt	13.747	225	17302	4.45	ppb	89
117) Naphthalen	13.796	128	84131	5.34	ppb	96
118) 1,2,3-Tclbenzene	13.985	180	37764	5.37	ppb	95
119) 2,4,5-Trichlorotoluene	14.570	159	25982	4.76	ppb	86
120) 2,3,6-Trichlorotoluene	14.656	159	22430	4.93	ppb	95

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

Data Path : I:\ACQDATA\msvoa12\Data\010417\
 Data File : P7378.D
 Acq On : 4 Jan 2017 2:53 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Vial : 8260/624 WATER ICAL
 PALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:04:27 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration



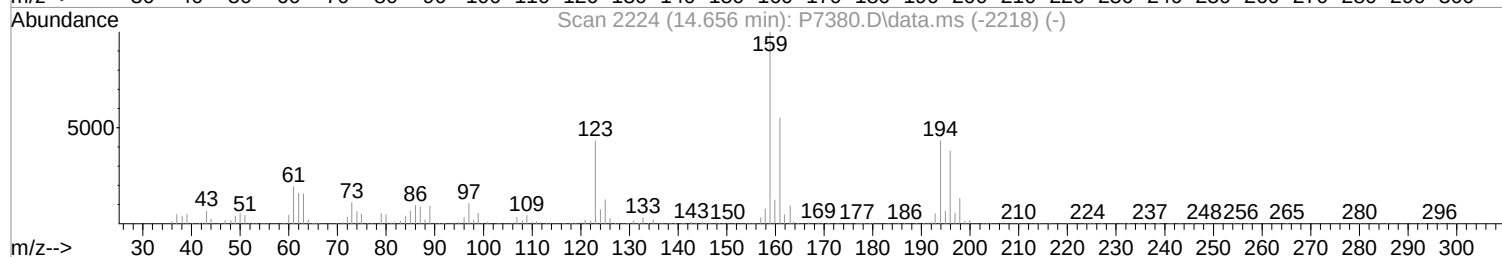
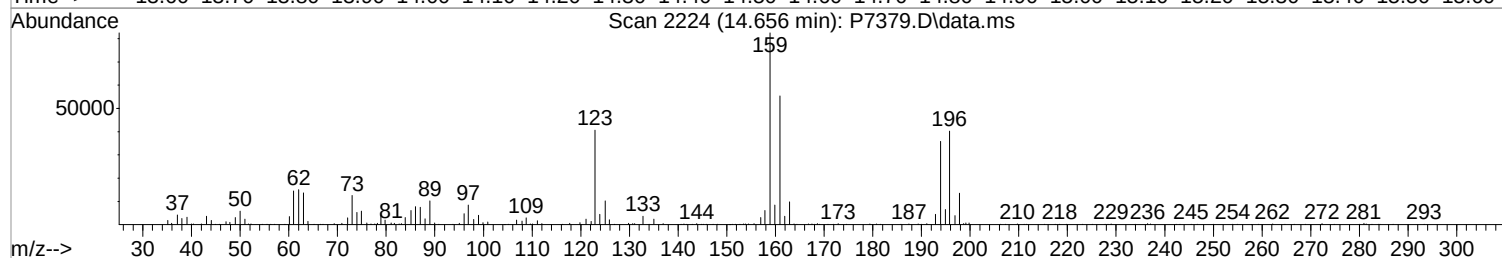
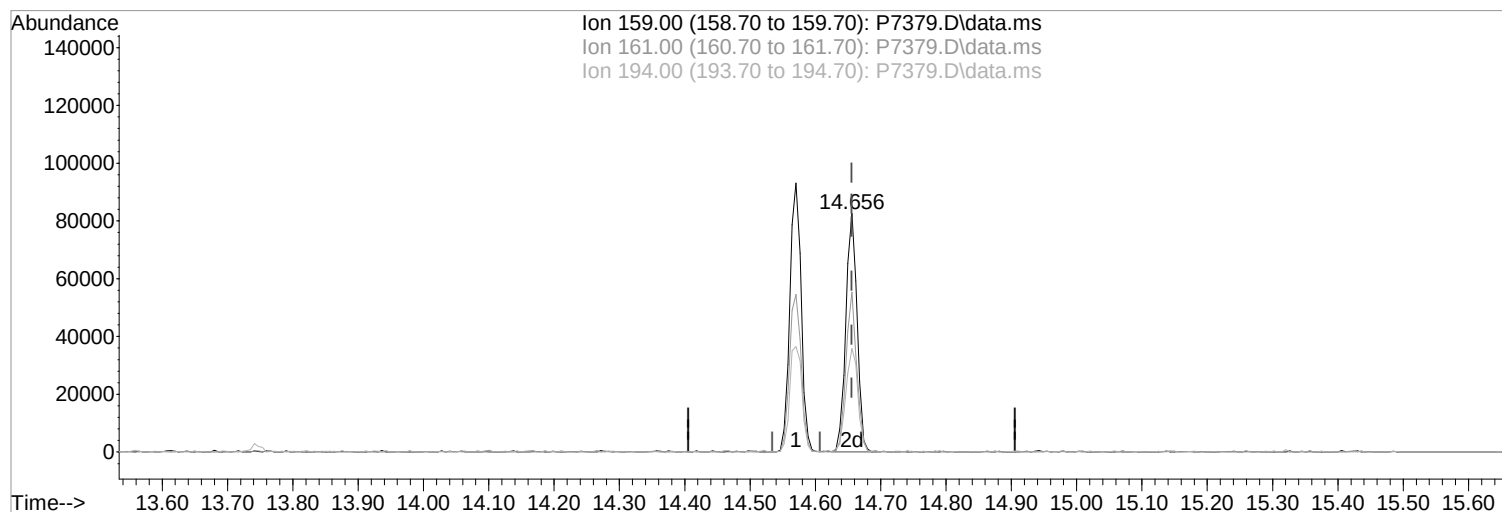
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.656min (+0.000) 21.77 ppb m

response 99424

Ion	Exp%	Act%

159.00	100	100

161.00	55.40	67.10#

194.00	43.50	43.38

0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

01/05/17

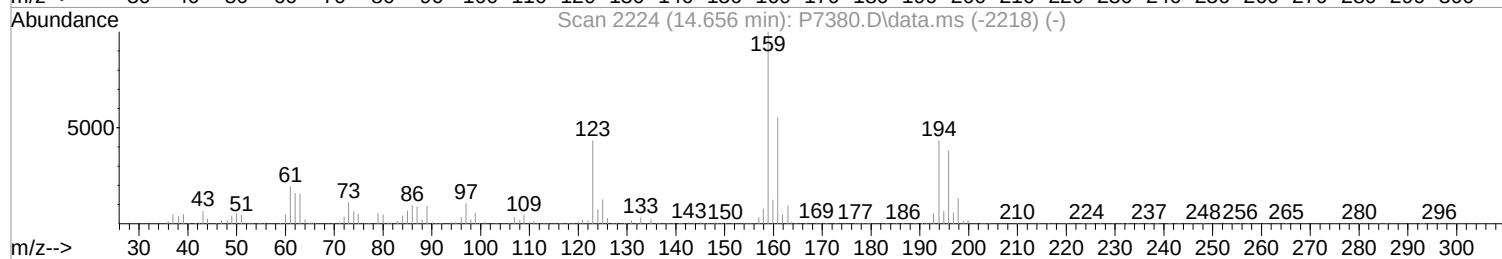
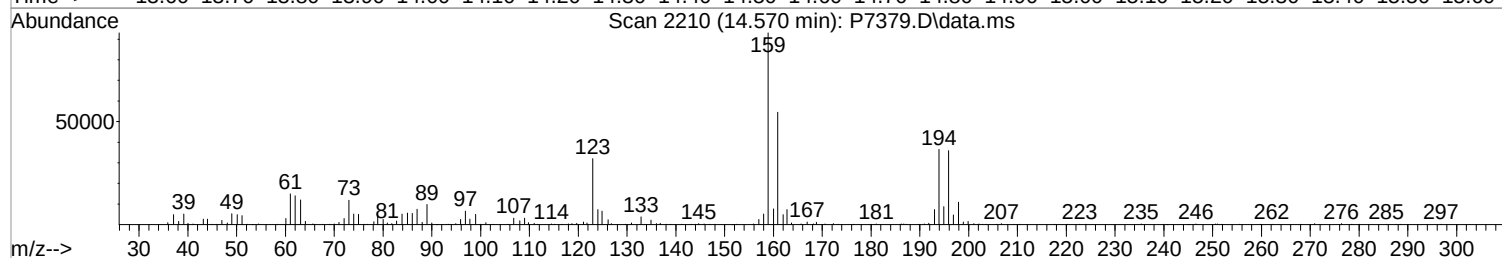
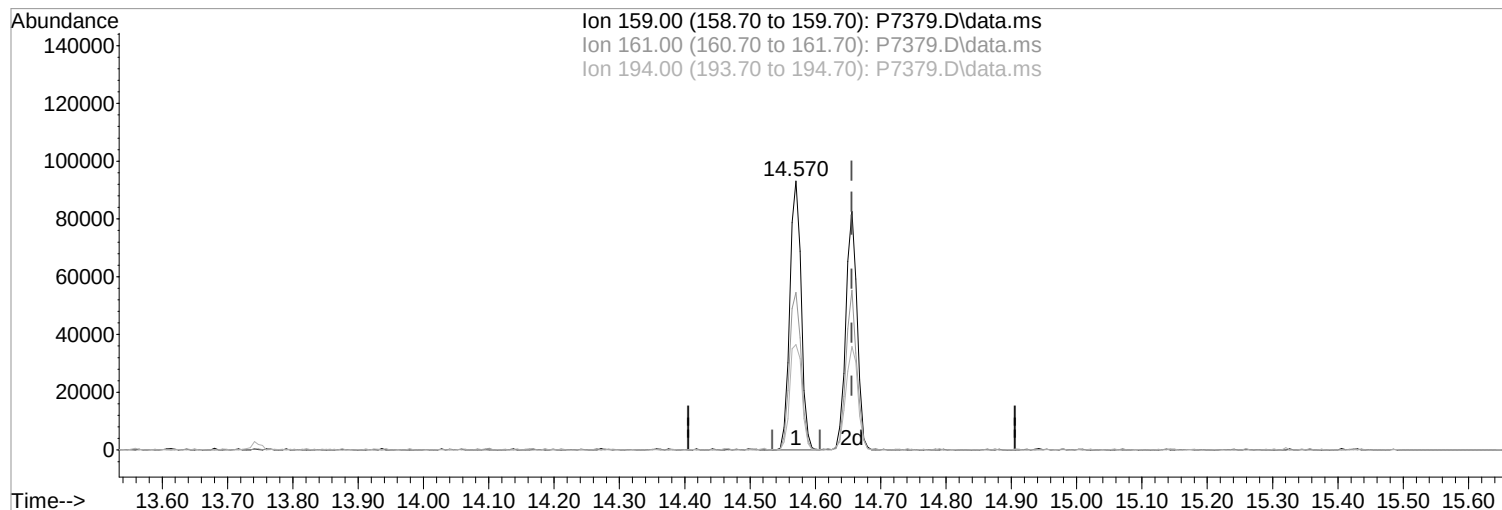
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(120) 2,3,6-Trichlorotoluene

Manual Integration:

14.570min (-0.085) 24.56 ppb

Before

response 112156

Ion	Exp%	Act%

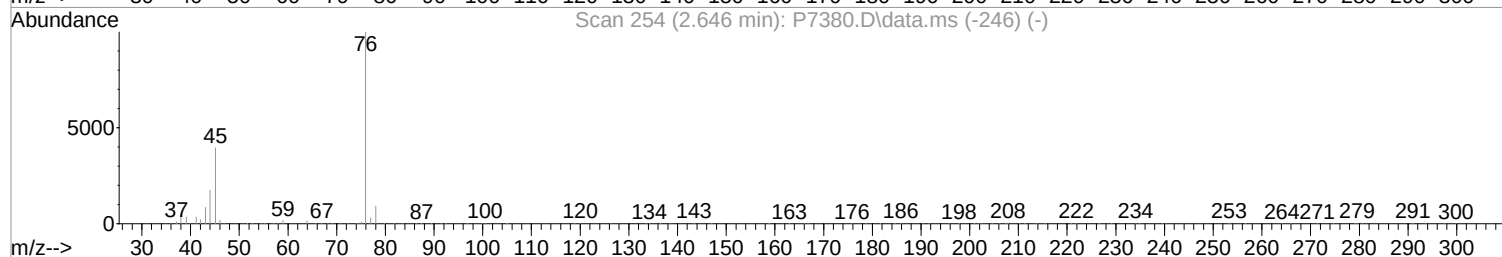
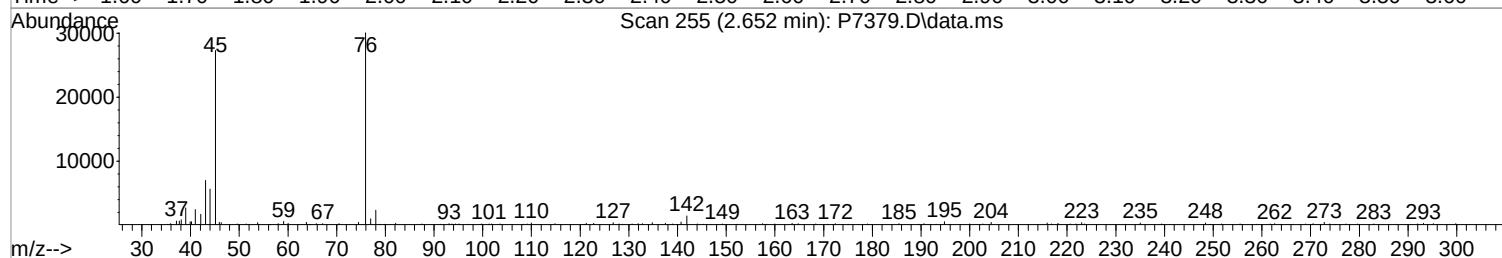
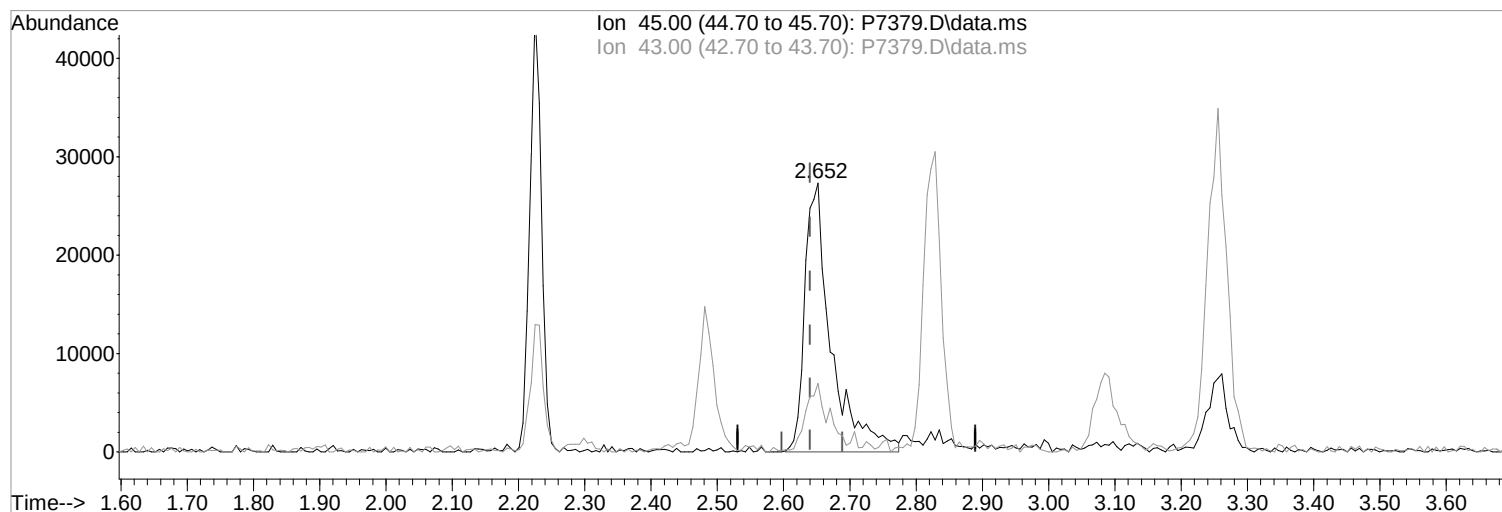
01/05/17

159.00	100	100
161.00	55.40	58.64
194.00	43.50	39.16
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(16) 2-Propanol

2.652min (+0.012) 423.10 ppb m

response 75775

Ion	Exp%	Act%
45.00	100	100
43.00	21.80	25.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

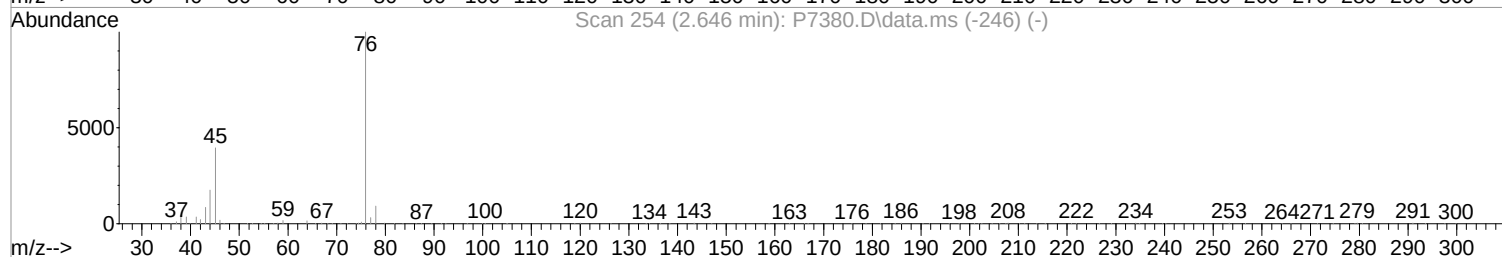
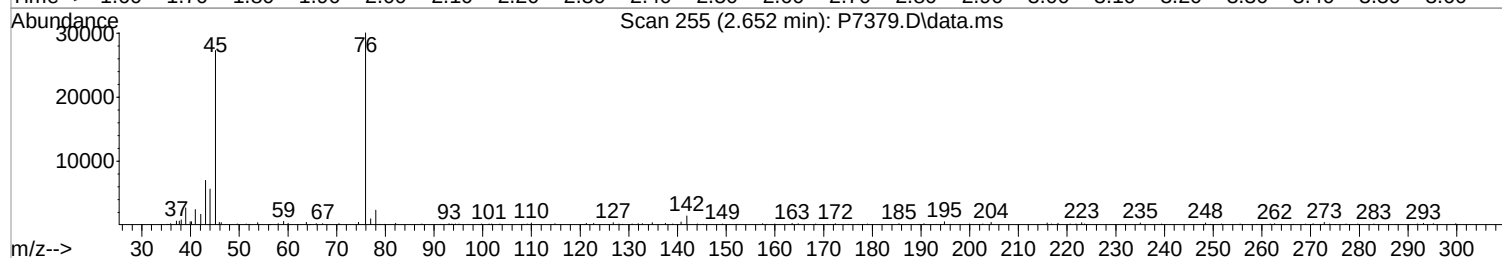
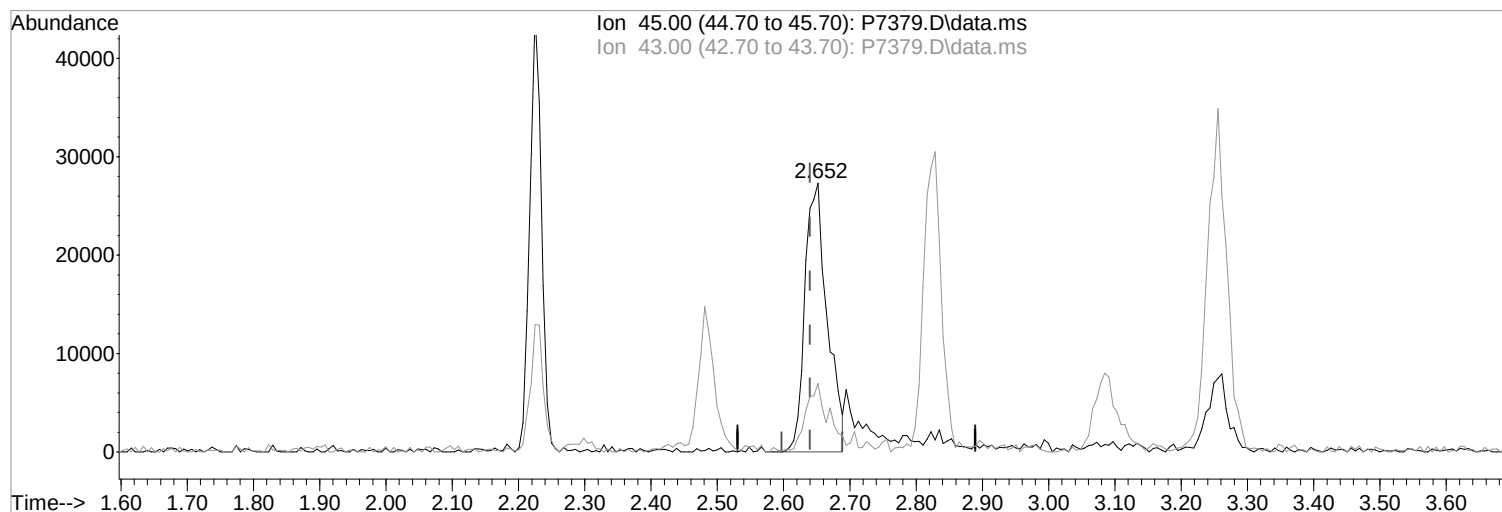
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(16) 2-Propanol

Manual Integration:

2.652min (+0.012) 355.50 ppb

Before

response 63668

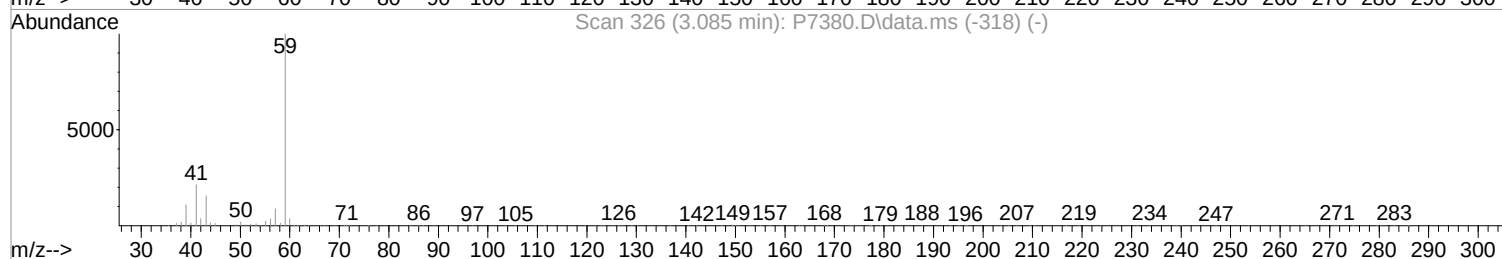
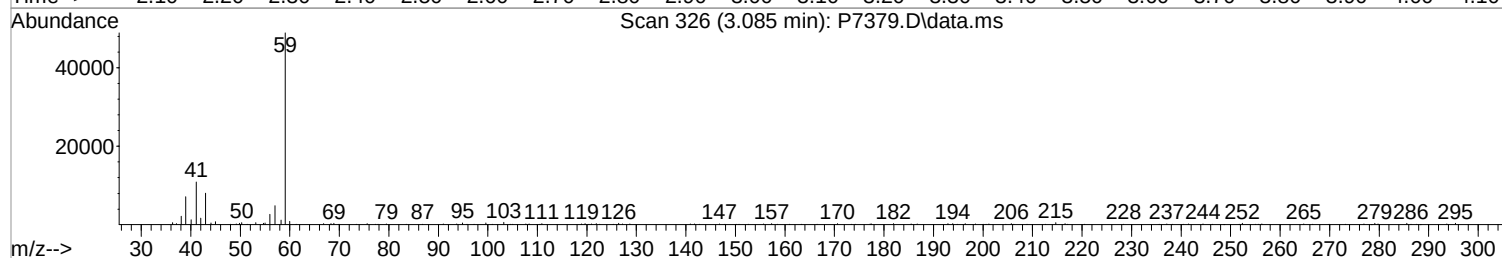
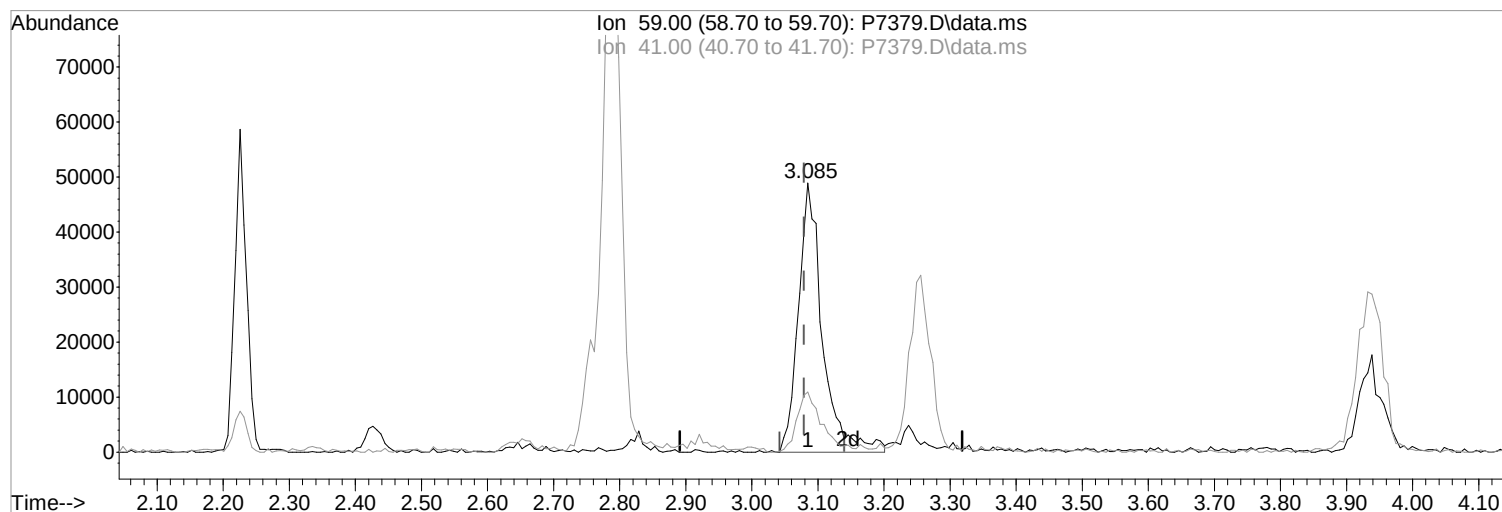
Ion	Exp%	Act%
45.00	100	100
43.00	21.80	25.51
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(23) TBA

3.085min (+0.006) 397.75 ppb m

response 122986

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	22.33
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

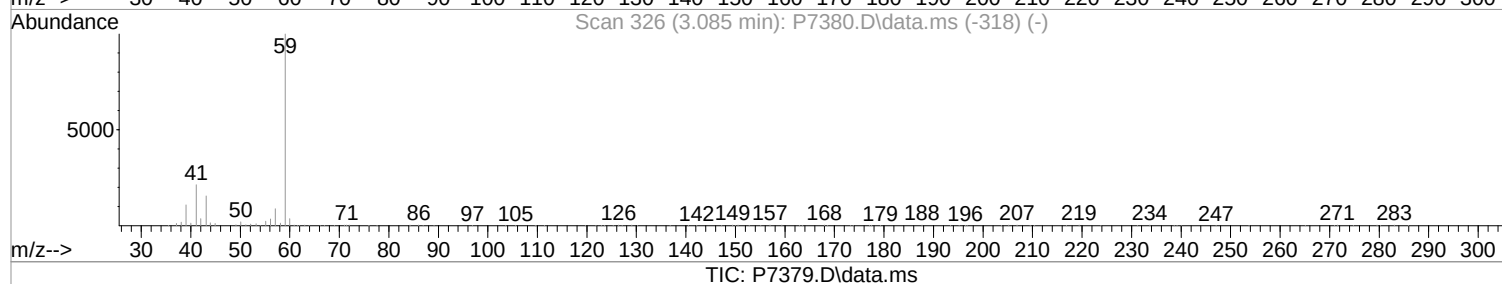
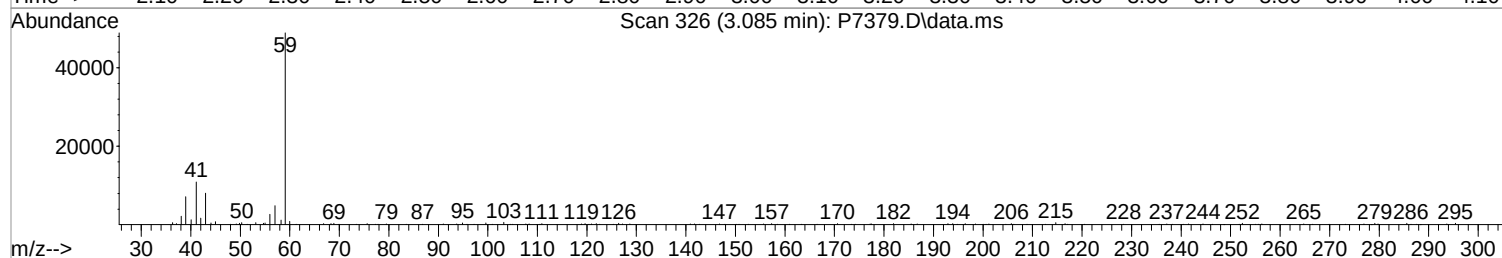
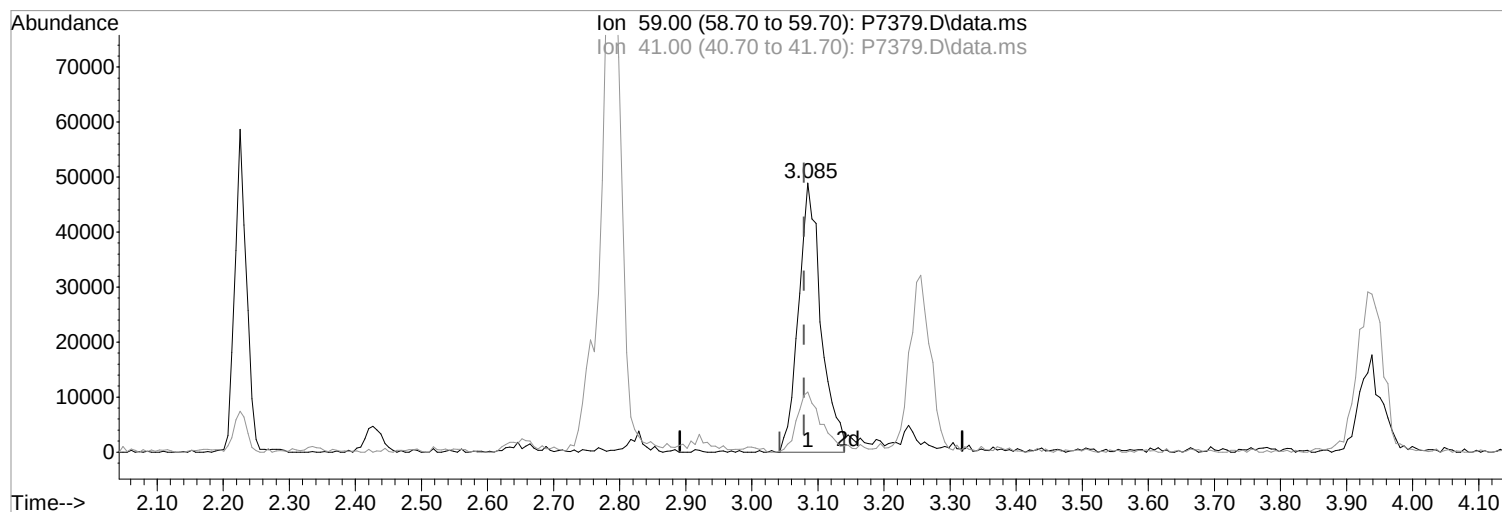
Split Peak

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(23) TBA

Manual Integration:

3.085min (+0.006) 374.13 ppb

Before

response 115681

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	22.33
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

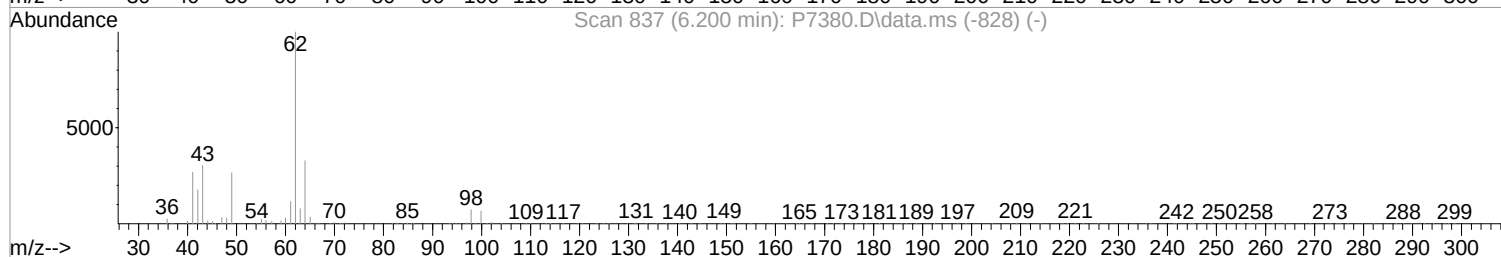
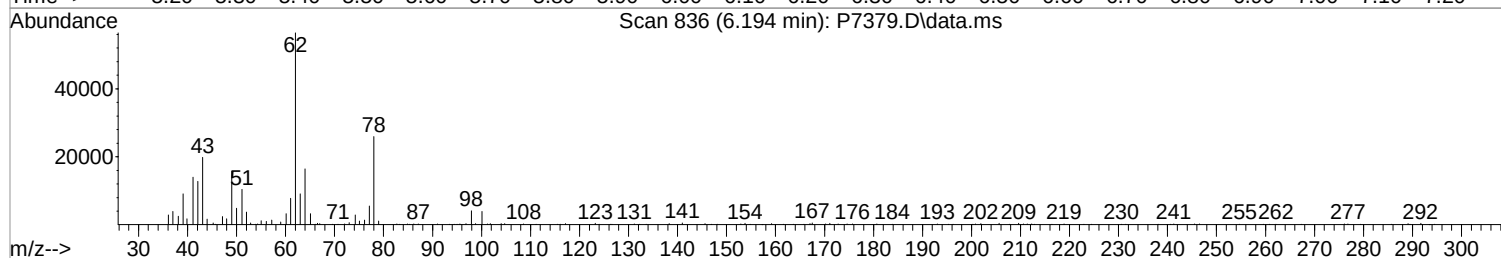
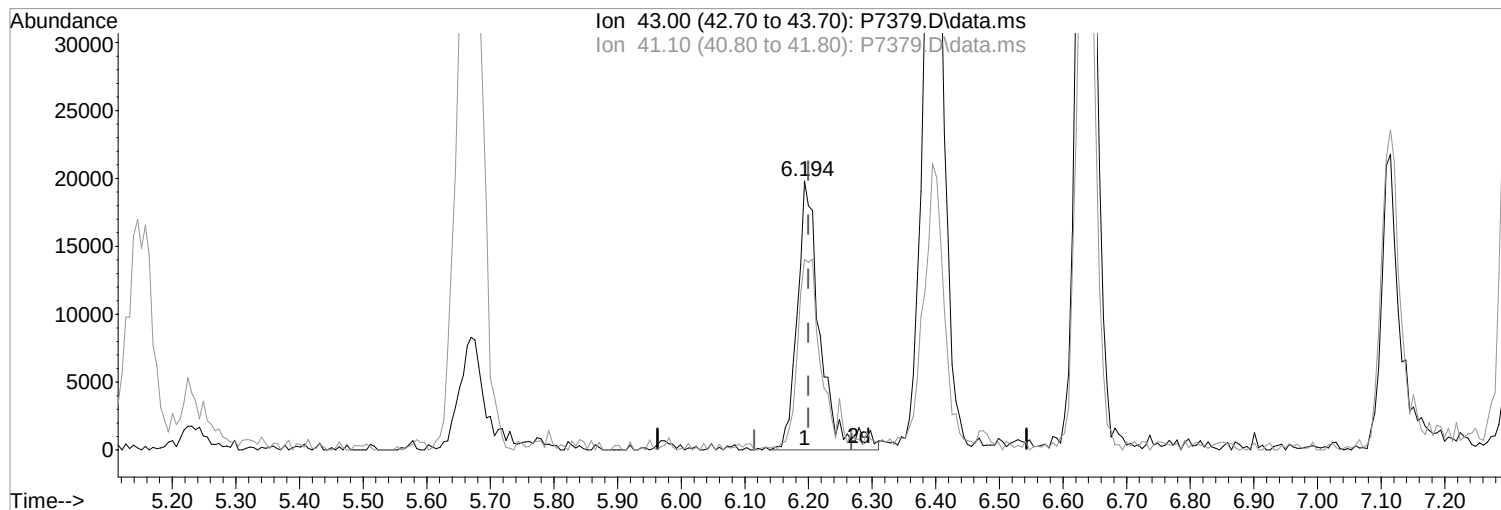
Quantitation Report (Qedit)

1st *12* 01/05/17
2nd *FJ* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(51) Iso-Butyl Alcohol

6.194min (-0.006) 366.75 ppb m

response 49178

Ion	Exp%	Act%
43.00	100	100
41.10	88.60	70.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

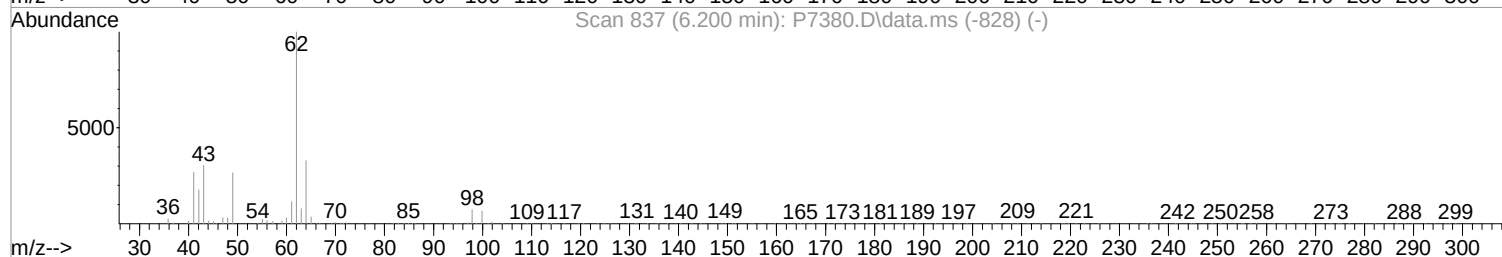
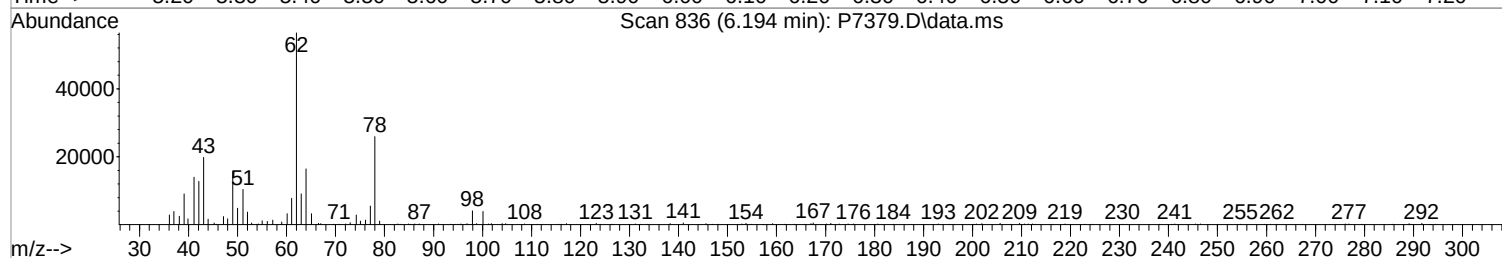
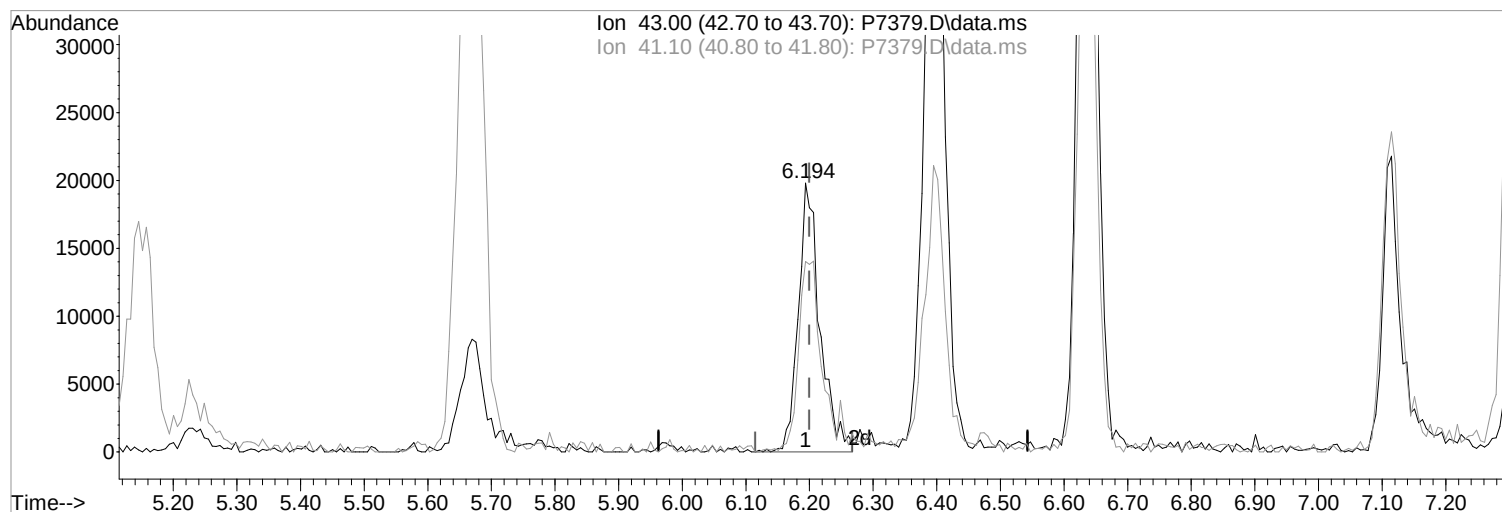
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(51) Iso-Butyl Alcohol

Manual Integration:

6.194min (-0.006) 349.04 ppb

Before

response 46802

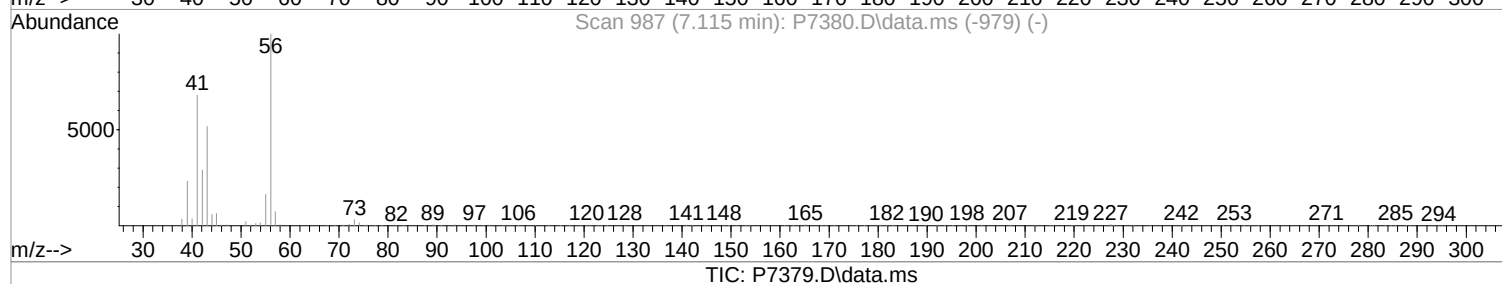
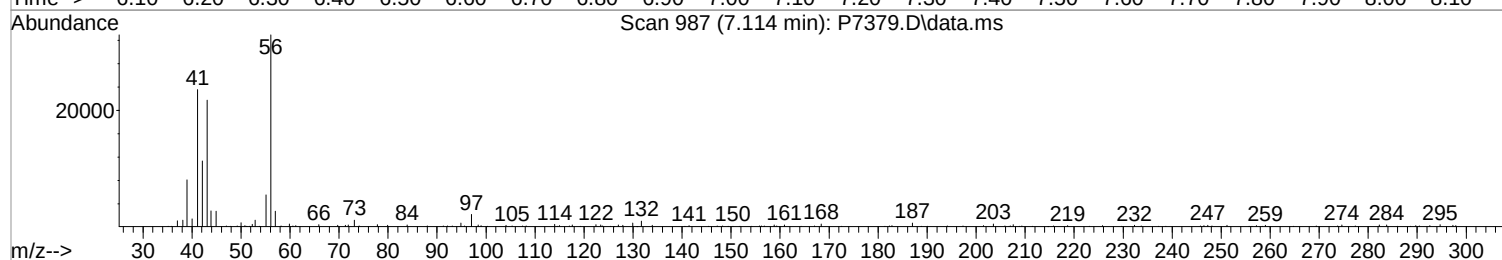
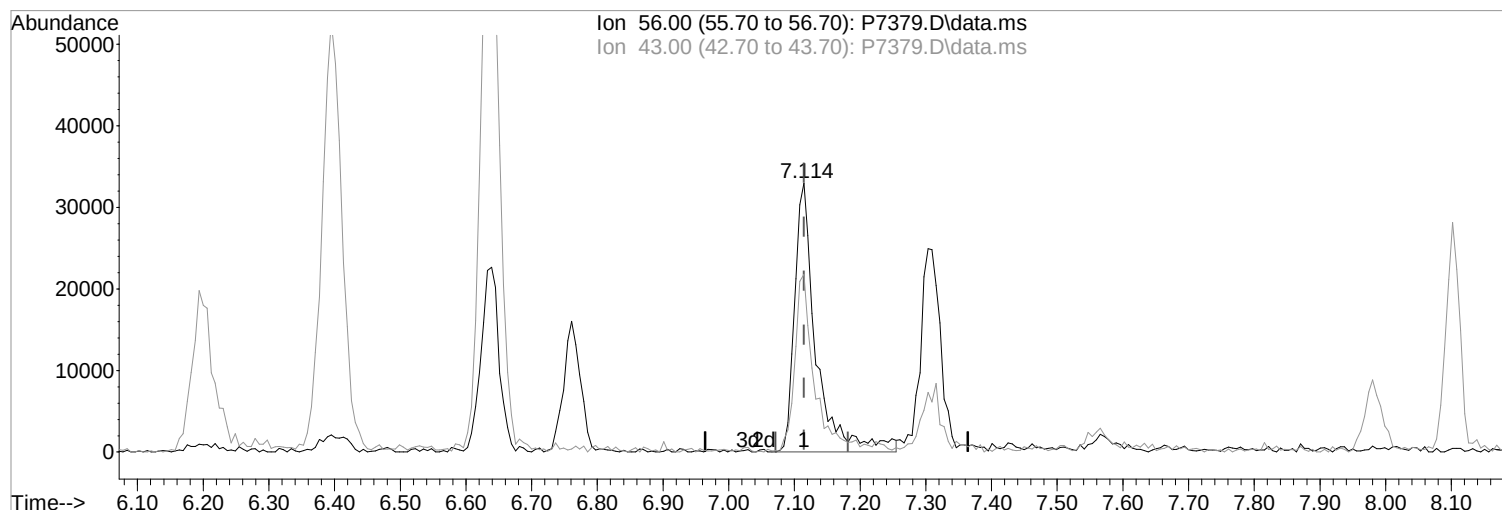
Ion	Exp%	Act%
43.00	100	100
41.10	88.60	70.80
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(53) 1-Butanol

7.114min (+0.000) 970.61 ppb m

response 75367

Ion	Exp%	Act%
56.00	100	100
43.00	57.60	59.75
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

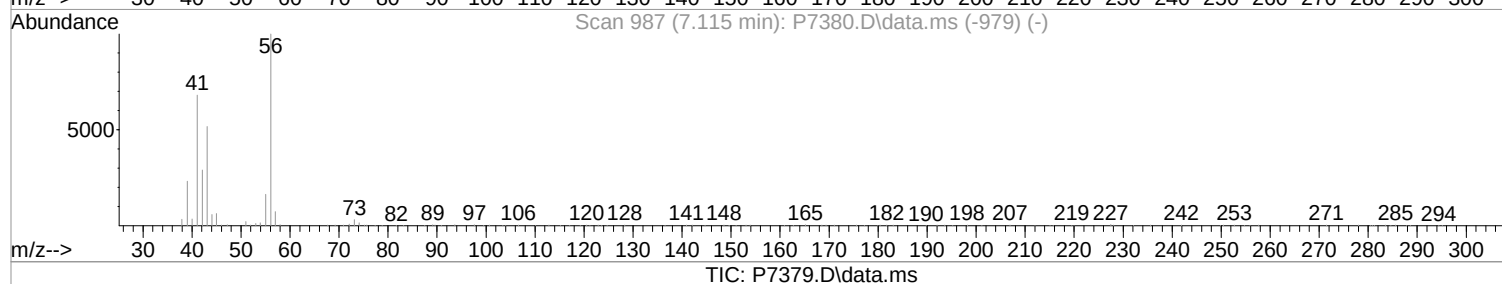
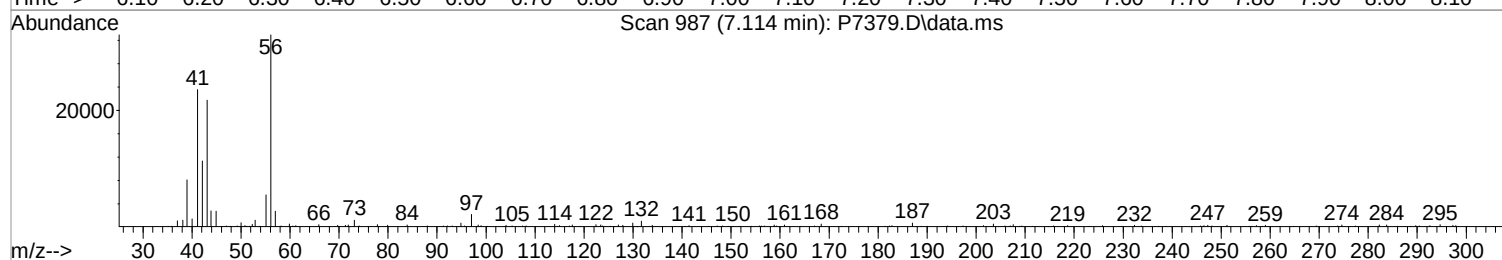
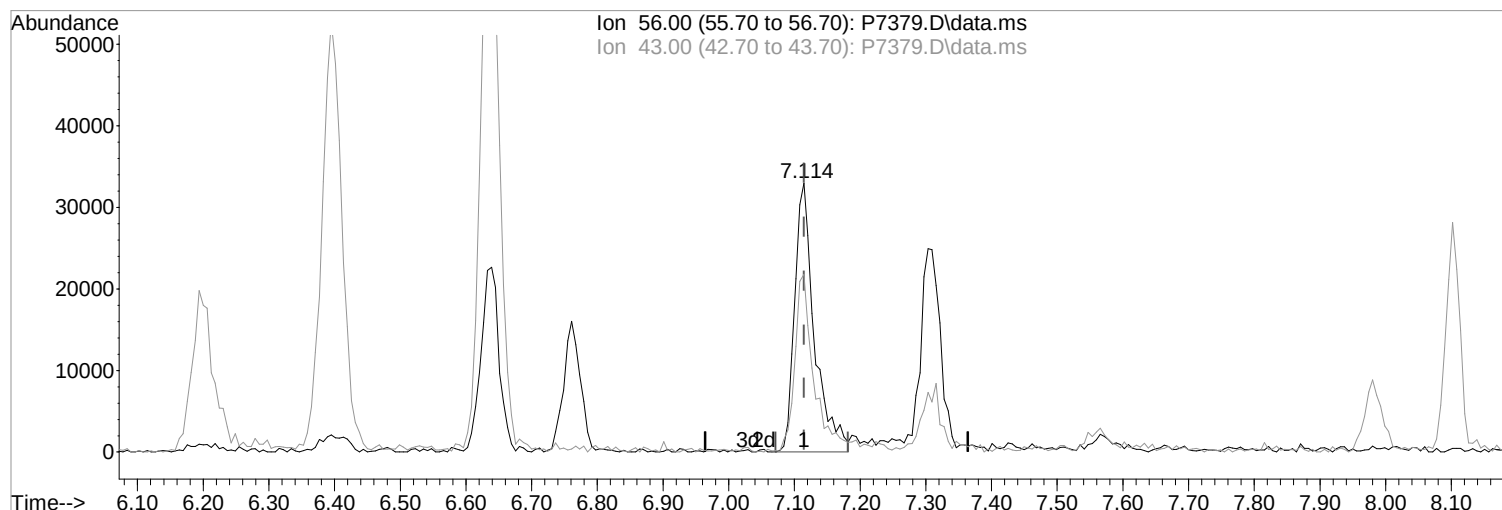
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(53) 1-Butanol

Manual Integration:

7.114min (+0.000) 890.72 ppb

Before

response 69164

Ion	Exp%	Act%
56.00	100	100
43.00	57.60	65.11
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

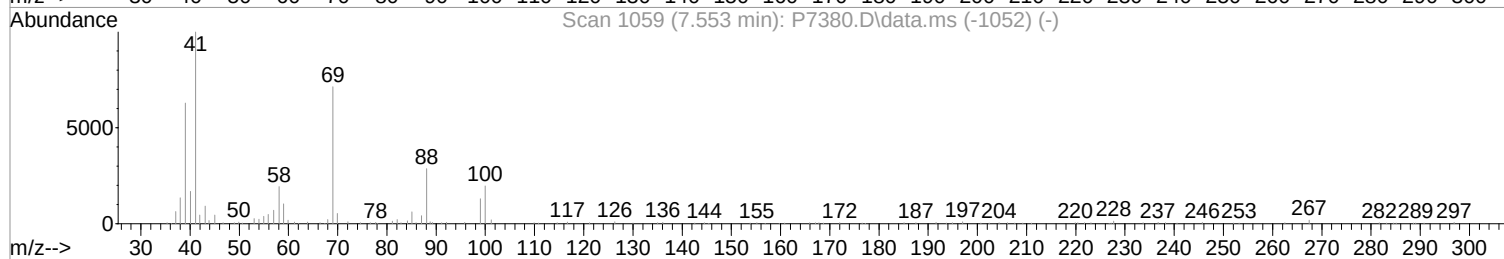
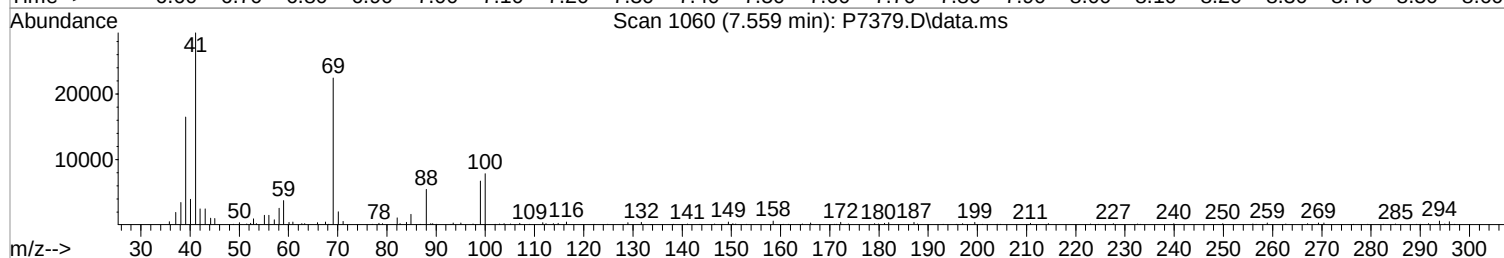
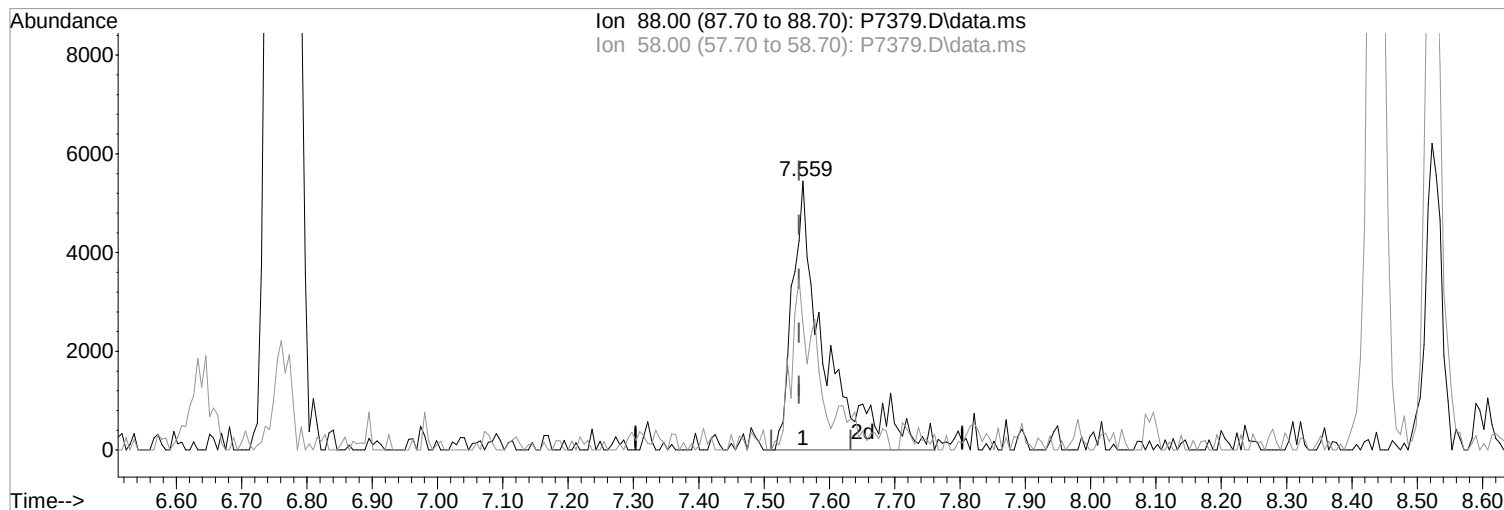
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(58) 1,4-Dioxane

7.559min (+0.006) 434.70 ppb m

response 19592

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	46.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

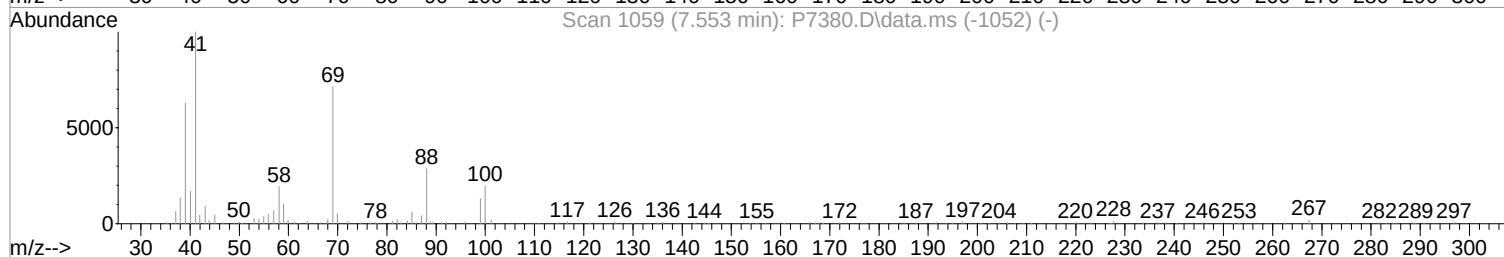
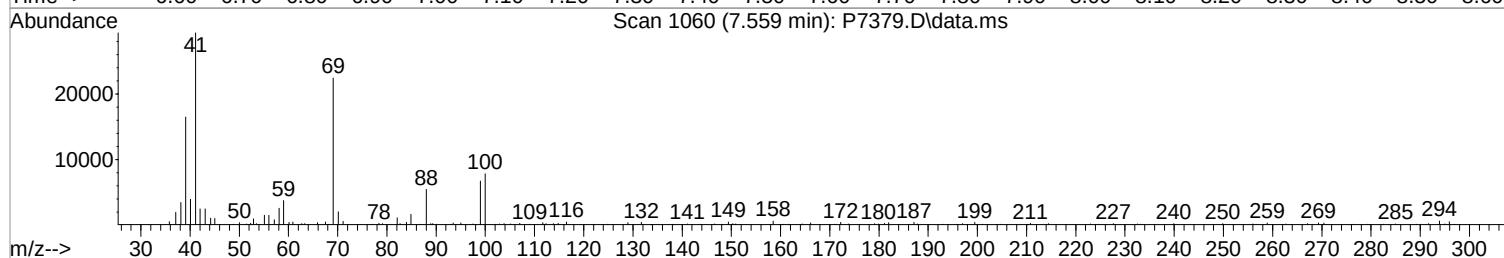
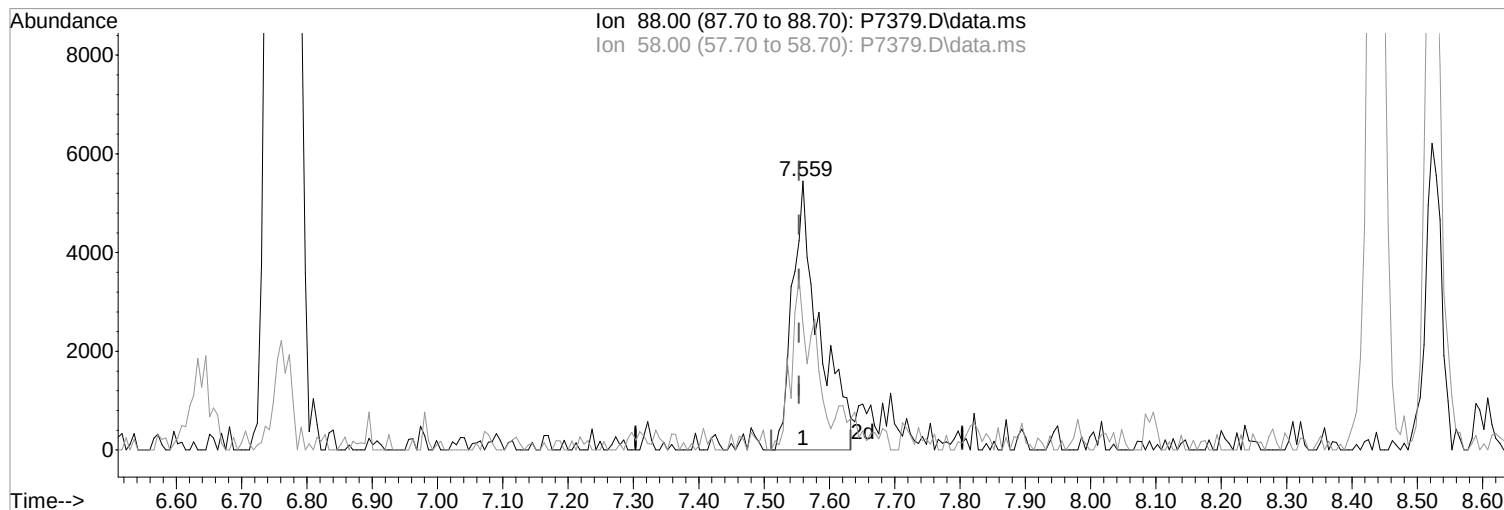
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.559min (+0.006) 346.53 ppb

Before

response 15618

Ion Exp% Act%

01/05/17

88.00 100 100

58.00 67.50 46.78#

0.00 0.00 0.00

0.00 0.00 0.00

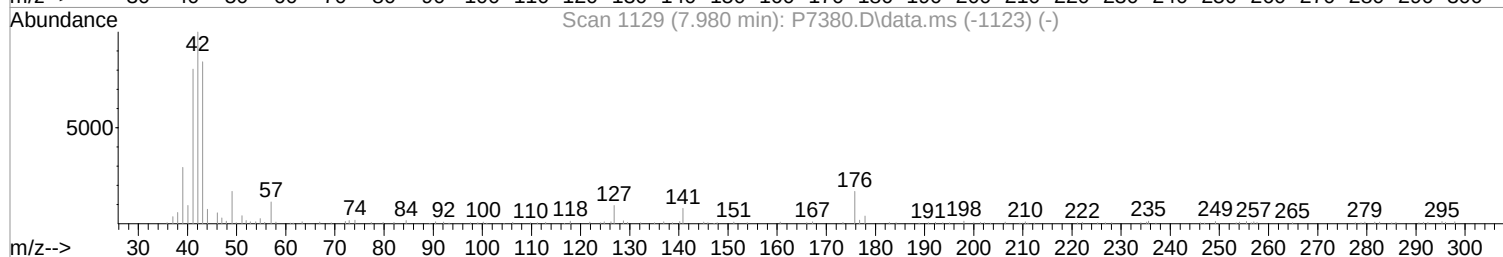
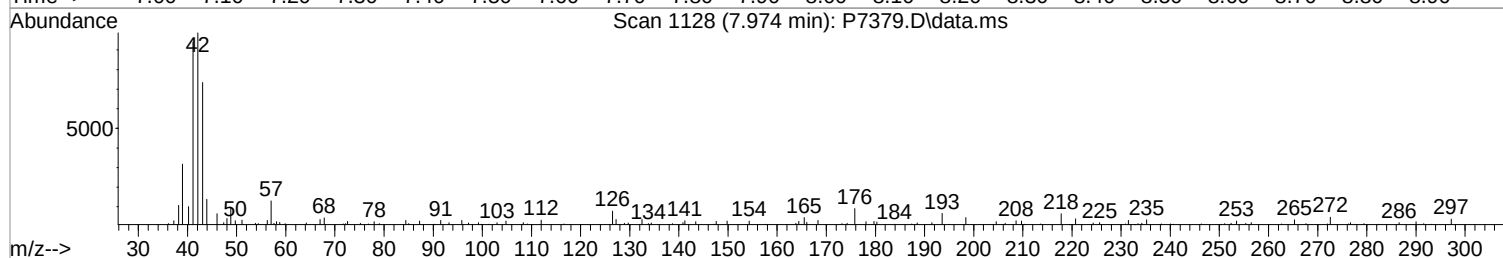
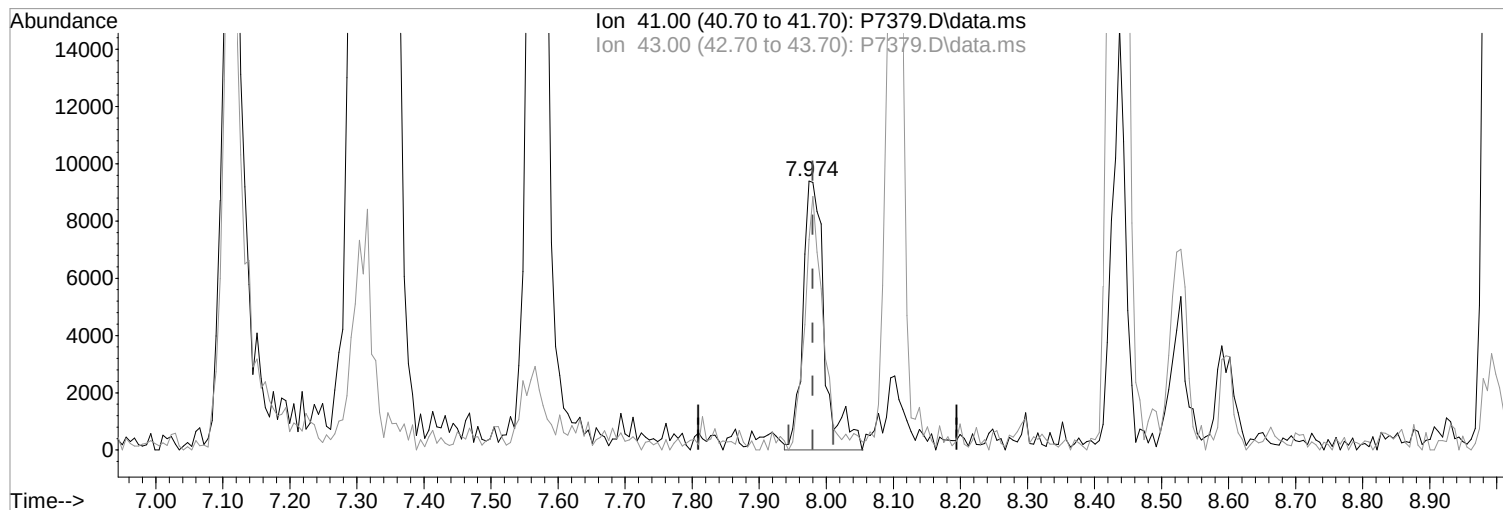
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(61) 2-Nitropropane

Manual Integration:

7.974min (-0.006) 35.21 ppb m

After

response 21044

Split Peak

Ion Exp% Act%

01/05/17

41.00 100 100

43.00 104.90 78.20#

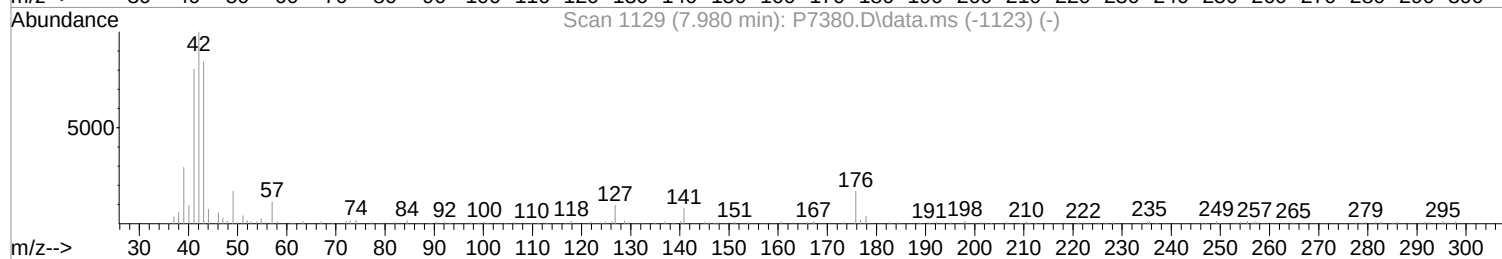
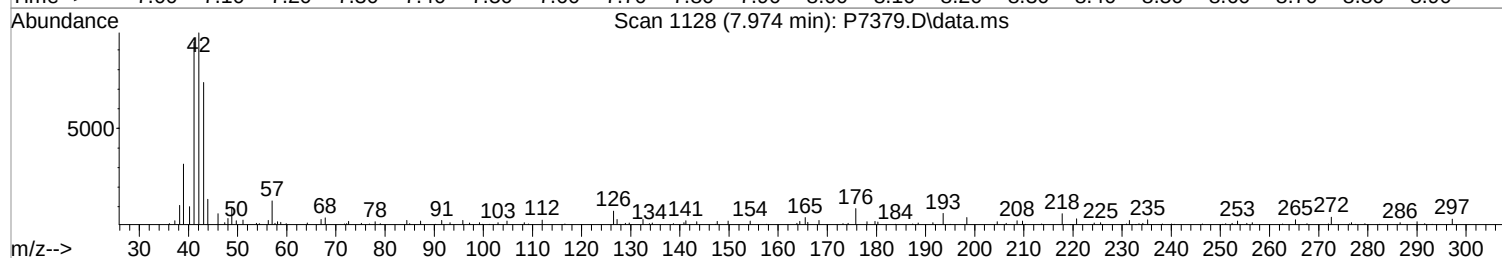
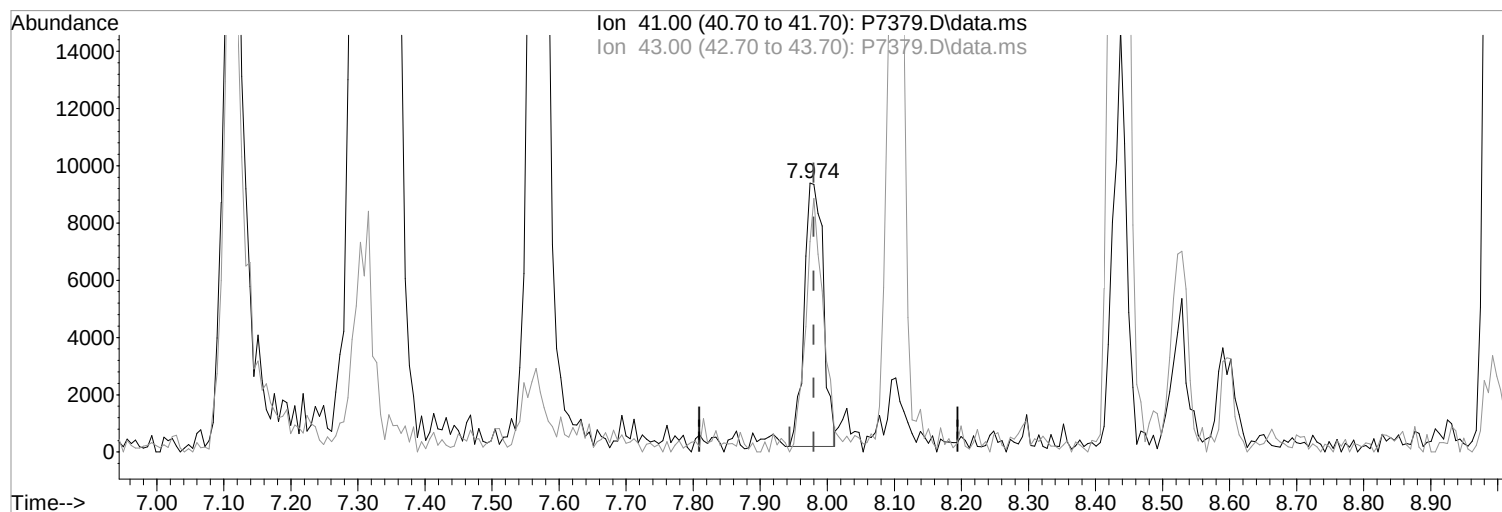
0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7379.D
Acq On : 4 Jan 2017 3:23 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:11 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7379.D\data.ms

(61) 2-Nitropropane

Manual Integration:

7.974min (-0.006) 30.34 ppb

Before

response 18129

Ion	Exp%	Act%

01/05/17

41.00	100	100

43.00	104.90	78.20#

0.00	0.00	0.00

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7379.D
 Acq On : 4 Jan 2017 3:23 pm
 Operator : K.Ruest
 Sample : 20ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:08:59 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.731	168	768275	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1244519	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1216608	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	651166	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	641340	95.50	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	191.00%#	
48) surr1,1,2-dichloroetha...	6.090	65	703798	94.39	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	188.78%#	
65) SURR3,Toluene-d8	8.523	98	2639114	95.05	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	190.10%#	
70) SURR2,BFB	11.047	95	1007862	93.67	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	187.34%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	179130	19.16	ppb	97
3) Chloromethane	1.347	50	162860	19.44	ppb	100
4) Vinyl Chloride	1.427	62	153603	20.70	ppb	98
5) Bromomethane	1.683	94	70411	18.78	ppb	96
6) Chloroethane	1.762	64	81032	20.62	ppb	96
7) Freon 21	1.920	67	194398	21.03	ppb	98
8) Trichlorofluoromethane	1.969	101	166480	20.03	ppb	96
9) Diethyl Ether	2.225	59	70883	20.08	ppb	97
10) Freon 123a	2.231	67	114298	19.59	ppb	90
11) Freon 123	2.292	83	135018	20.09	ppb	97
12) Acrolein	2.335	56	60588	104.20	ppb	94
13) 1,1-Dicethene	2.426	96	100213	18.41	ppb	93
14) Freon 113	2.439	101	110721	18.83	ppb	98
15) Acetone	2.481	43	23438	20.73	ppb	93
16) 2-Propanol	2.652	45	75775m	423.10	ppb	
17) Iodomethane	2.567	142	188919	23.65	ppb	96
18) Carbon Disulfide	2.634	76	365061	22.00	ppb	99
19) Acetonitrile	2.756	40	13346	75.33	ppb	# 43
20) Allyl Chloride	2.786	76	61630	19.05	ppb	99
21) Methyl Acetate	2.829	43	54733	20.35	ppb	78
22) Methylene Chloride	2.920	84	111180	18.64	ppb	97
23) TBA	3.085	59	122986m	397.75	ppb	
24) Acrylonitrile	3.201	53	129813	96.92	ppb	95
25) Methyl-t-Butyl Ether	3.255	73	286149	19.97	ppb	96
26) trans-1,2-Dichloroethene	3.237	96	116805	18.52	ppb	91
28) 1,1-Dicethane	3.786	63	196219	18.58	ppb	96
29) Vinyl Acetate	3.896	86	19799	19.25	ppb	# 79
30) DIPE	3.932	45	404633	20.62	ppb	97
31) 2-Chloro-1,3-Butadiene	3.920	53	195537	21.75	ppb	98
32) ETBE	4.524	59	341915	20.56	ppb	95
33) 2,2-Dichloropropane	4.688	77	152738	18.35	ppb	92
34) cis-1,2-Dichloroethene	4.700	96	121142	18.26	ppb	97
35) 2-Butanone	4.773	43	33767	20.61	ppb	91
36) Propionitrile	4.847	54	45083	88.51	ppb	96
37) Bromochloromethane	5.127	130	70787	19.43	ppb	91
38) Methacrylonitrile	5.151	67	29114	17.77	ppb	94
39) Tetrahydrofuran	5.237	42	23297	21.91	ppb	90
40) Chloroform	5.322	83	195610	19.04	ppb	97
41) 1,1,1-Trichloroethane	5.590	97	167737	18.62	ppb	78

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7379.D
 Acq On : 4 Jan 2017 3:23 pm
 Operator : K.Ruest
 Sample : 20ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:08:59 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	302367	20.58	ppb	99
44) Cyclohexane	5.670	41	130863	19.94	ppb	86
46) Carbontetrachloride	5.859	121	40014	17.33	ppb	99
47) 1,1-Dichloropropene	5.865	75	165017	19.90	ppb	89
49) Benzene	6.163	78	438403	19.91	ppb	99
50) 1,2-Dichloroethane	6.206	62	147816	19.07	ppb	94
51) Iso-Butyl Alcohol	6.194	43	49178m	366.75	ppb	
52) n-Heptane	6.639	43	143942	19.41	ppb	95
53) 1-Butanol	7.114	56	75367m	970.61	ppb	
54) Trichloroethene	7.078	130	122273	19.04	ppb	97
55) Methylcyclohexane	7.303	55	155439	20.46	ppb	94
56) 1,2-Dicloropropane	7.346	63	121022	19.40	ppb	98
57) Dibromomethane	7.486	93	59353	18.83	ppb	94
58) 1,4-Dioxane	7.559	88	19592m	434.70	ppb	
59) Methyl Methacrylate	7.572	69	53392	17.86	ppb	91
60) Bromodichloromethane	7.706	83	142337	18.57	ppb	98
61) 2-Nitropropane	7.974	41	21044m	35.21	ppb	
62) 2-Chloroethylvinyl Ether	8.102	63	60579	20.23	ppb	96
63) cis-1,3-Dichloropropene	8.236	75	178352	19.84	ppb	89
64) 4-Methyl-2-pentanone	8.437	43	80866	20.61	ppb	87
66) Toluene	8.596	91	510705	19.81	ppb	96
67) trans-1,3-Dichloropropene	8.858	75	142981	19.38	ppb	97
68) Ethyl Methacrylate	8.992	69	115208	20.22	ppb	97
69) 1,1,2-Trichloroethane	9.041	97	87293	19.96	ppb	94
72) Tetrachloroethene	9.175	164	101809	19.29	ppb	94
73) 2-Hexanone	9.321	43	56383	20.58	ppb	97
74) 1,3-Dichloropropane	9.206	76	166019	20.17	ppb	95
75) Dibromochloromethane	9.425	129	91575	19.47	ppb	99
76) N-Butyl Acetate	9.474	43	137131	20.51	ppb	96
77) 1,2-Dibromoethane	9.529	107	84997	19.81	ppb	91
78) Chlorobenzene	10.010	112	333833	19.53	ppb	99
79) 3-CBTF	10.029	180	189153	19.56	ppb	91
80) 4-CBTF	10.083	180	177031	19.94	ppb	90
81) 1,1,1,2-Tetrachloroethane	10.096	131	108052	19.03	ppb	98
82) Ethylbenzene	10.126	106	184997	19.47	ppb	94
83) (m+p)Xylene	10.242	106	447854	39.98	ppb	98
84) o-Xylene	10.589	106	223704	20.04	ppb	97
85) Styrene	10.602	104	372769	19.97	ppb	96
87) Bromoform	10.754	173	47233	20.41	ppb	95
88) 2-CBTF	10.833	180	187615	20.95	ppb	99
89) Isopropylbenzene	10.925	105	558956	21.00	ppb	97
90) Cyclohexanone	10.986	55	205318	438.53	ppb	98
91) trans-1,4-Dichloro-2-B...	11.230	53	25063	17.80	ppb	95
92) 1,1,2,2-Tetrachloroethane	11.175	83	106044	20.82	ppb	91
93) Bromobenzene	11.169	156	148209	20.51	ppb	96
94) 1,2,3-Trichloropropane	11.205	110	32654	20.03	ppb	94
95) n-Propylbenzene	11.272	91	654441	21.18	ppb	99
96) 2-Chlorotoluene	11.339	91	372832	20.16	ppb	99
97) 3-Chlorotoluene	11.388	91	444650	21.84	ppb	# 98
98) 4-Chlorotoluene	11.431	91	452320	20.98	ppb	98
99) 1,3,5-Trimethylbenzene	11.425	105	489368	21.21	ppb	97
100) tert-Butylbenzene	11.699	119	397886	21.07	ppb	98
101) 1,2,4-Trimethylbenzene	11.736	105	505649	21.36	ppb	100
102) 3,4-DCBTF	11.796	214	143122	20.62	ppb	95
103) sec-Butylbenzene	11.876	105	584872	21.07	ppb	99
104) p-Isopropyltoluene	11.998	119	488487	21.03	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
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 Sample : 20ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:08:59 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

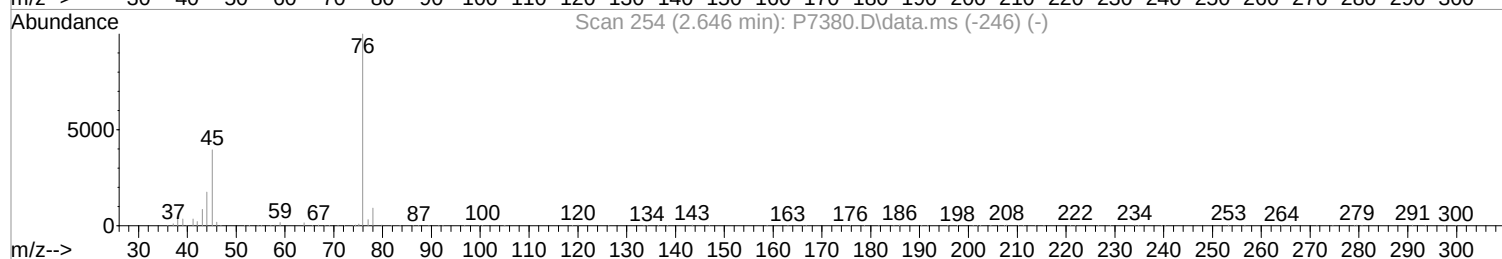
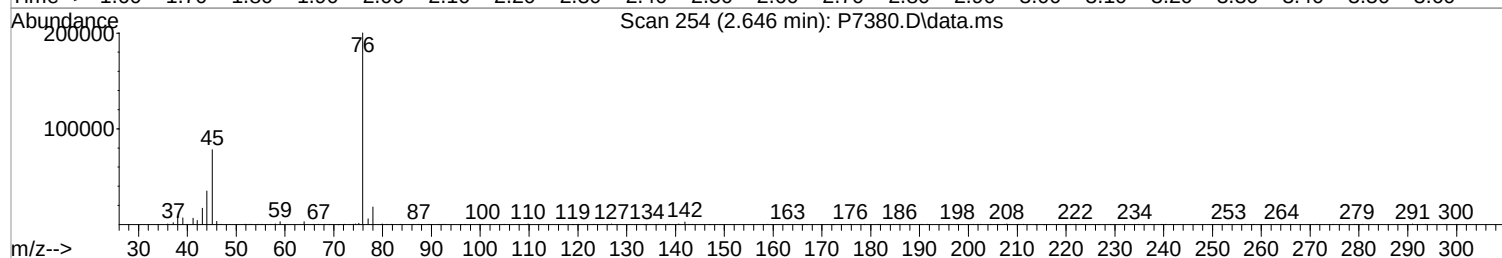
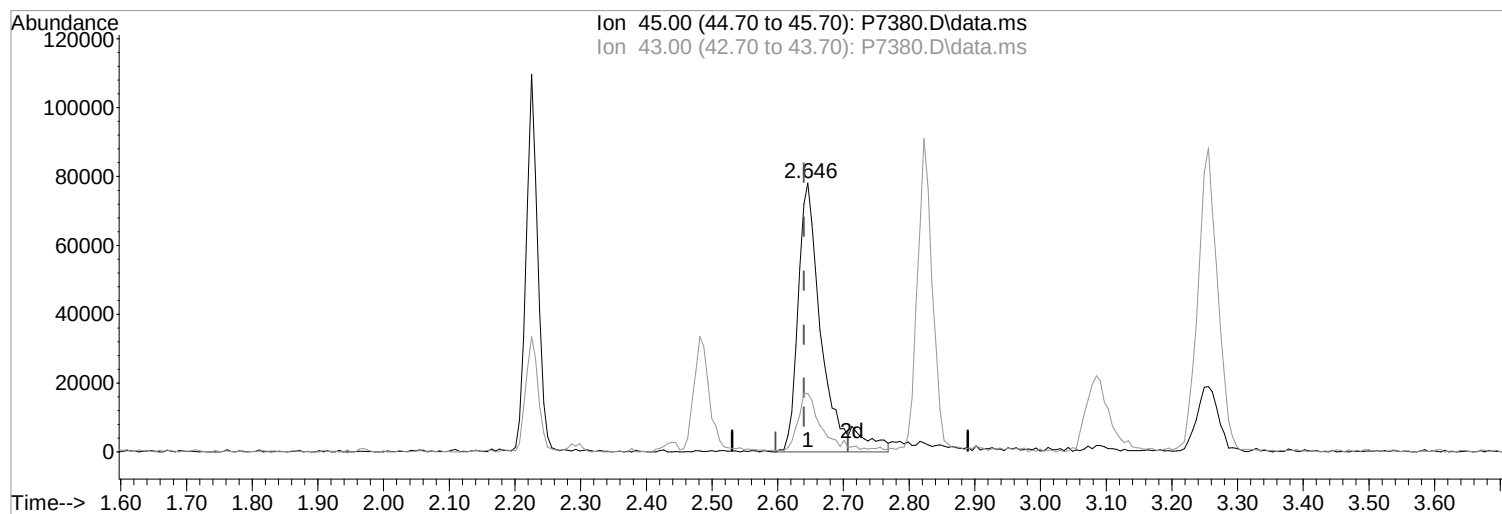
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.961	146	291591	21.11	ppb	98
106) 1,4-Dclbenz	12.034	146	286264	19.86	ppb	99
107) 2,4-DCBTF	12.083	214	132012	20.65	ppb	95
108) 2,5-DCBTF	12.126	214	143968	21.23	ppb	97
109) n-Butylbenzene	12.327	91	446942	21.10	ppb	100
110) 1,2-Dclbenz	12.333	146	270036	20.91	ppb	93
111) 1,2-Dibromo-3-chloropr...	12.955	157	17193	17.27	ppb	97
112) Trielution Dichlorotol...	13.071	125	738290	66.44	ppb	99
113) 1,3,5 Trichlorobenzene	13.126	180	205336	20.85	ppb	98
114) Coelution Dichlorotoluene	13.400	125	513881	42.80	ppb	97
115) 1,2,4-Tcbenzene	13.607	180	179626	20.96	ppb	95
116) Hexachlorobt	13.747	225	72344	18.54	ppb	92
117) Naphthalen	13.796	128	339912	21.49	ppb	99
118) 1,2,3-Tclbenzene	13.985	180	145089	20.56	ppb	96
119) 2,4,5-Trichlorotoluene	14.570	159	112156	20.46	ppb	93
120) 2,3,6-Trichlorotoluene	14.656	159	99424m	21.77	ppb	

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

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7380.D\data.ms

(16) 2-Propanol

2.646min (+0.006) 1068.44 ppb m

response 196255

Ion	Exp%	Act%
45.00	100	100
43.00	21.80	21.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

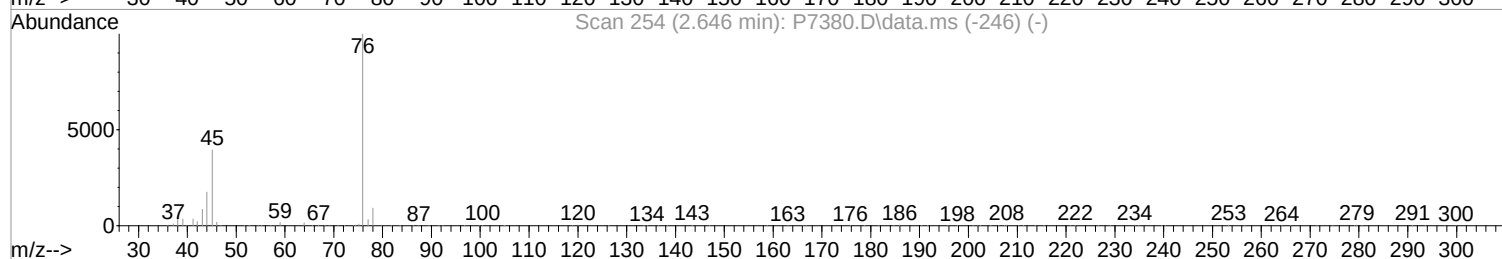
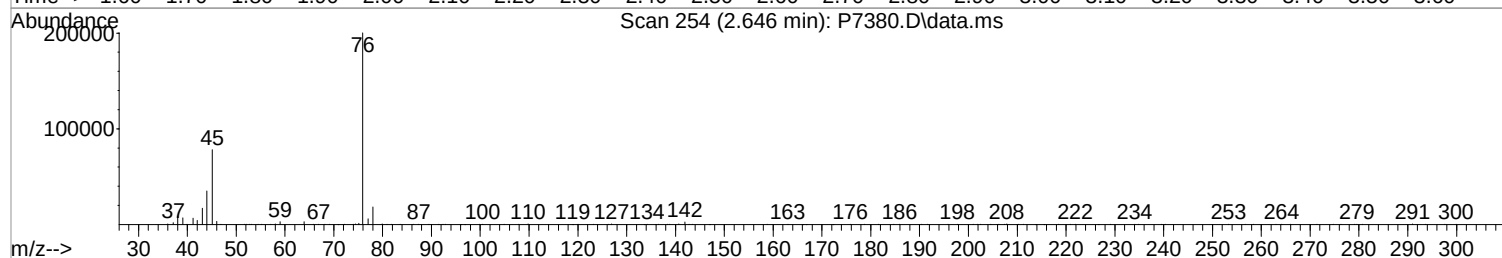
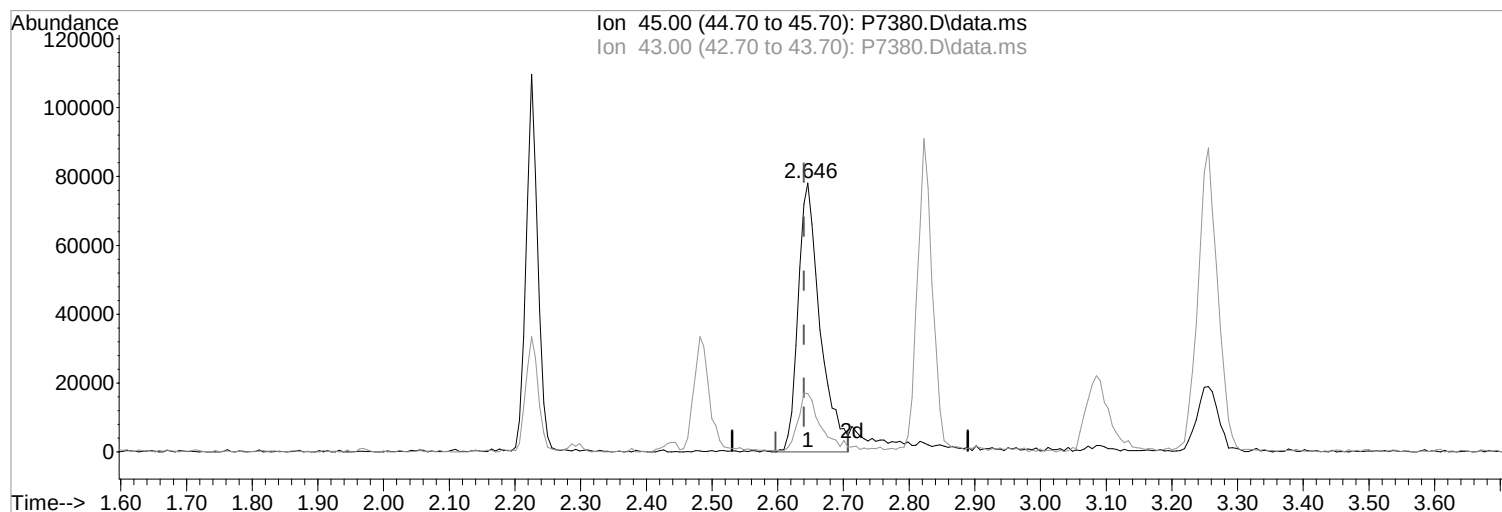
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7380.D\data.ms

(16) 2-Propanol

Manual Integration:

2.646min (+0.006) 985.31 ppb

Before

response 180985

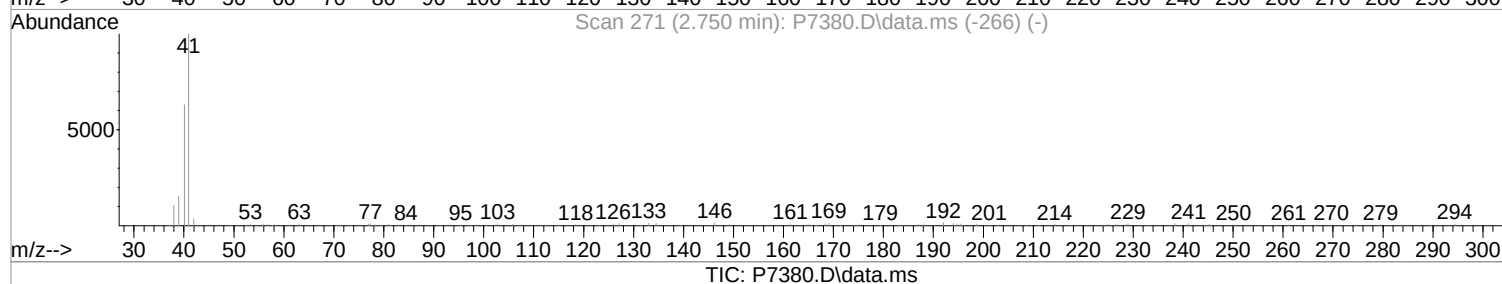
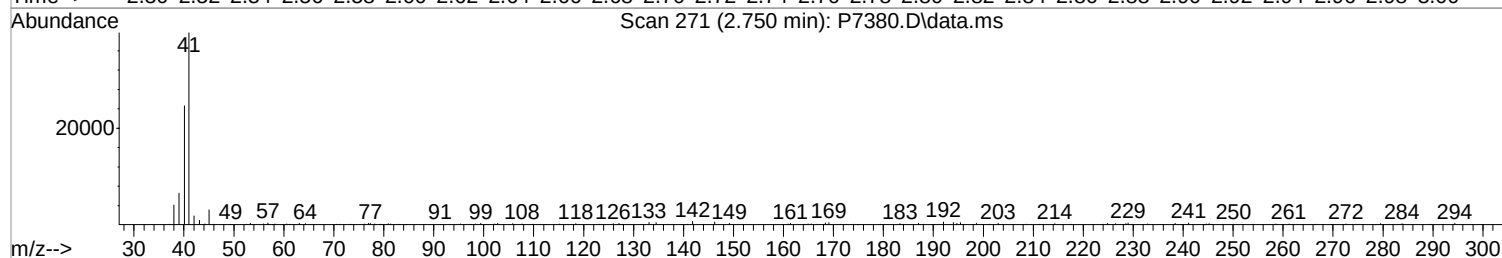
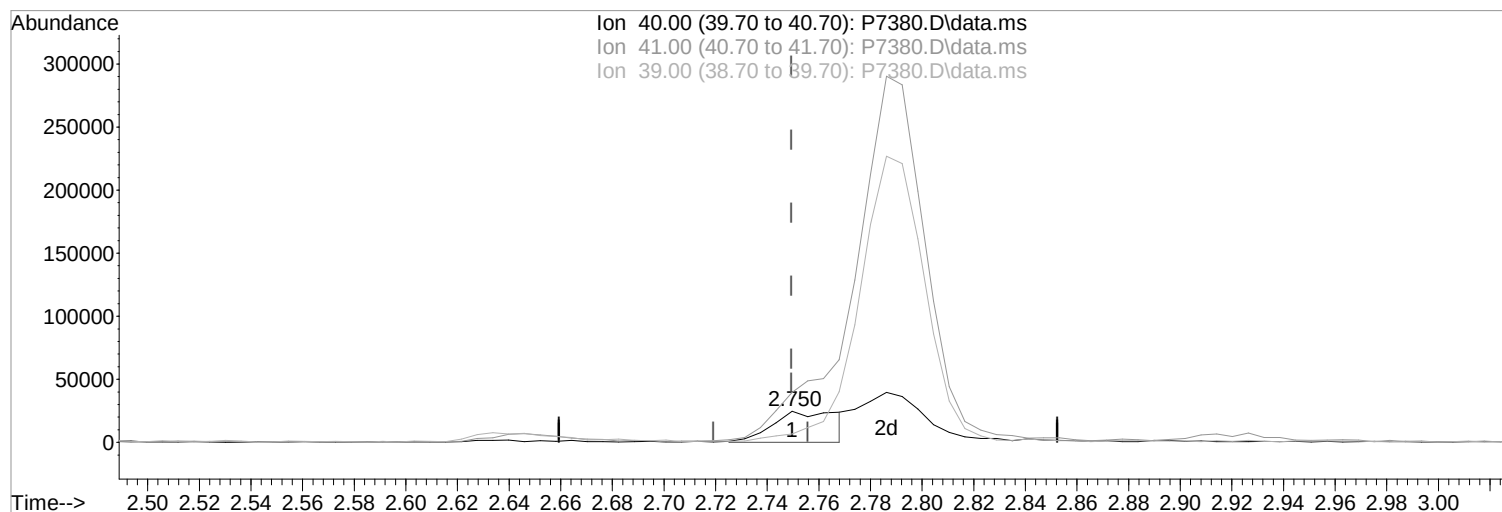
Ion	Exp%	Act%
45.00	100	100
43.00	21.80	21.77
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(19) Acetonitrile

Manual Integration:

2.750min (+0.000) 238.27 ppb m

After

response 43294

Poor integration.

Ion	Exp%	Act%
40.00	100	100
41.00	161.50	161.55
39.00	26.70	26.65
0.00	0.00	0.00

01/05/17

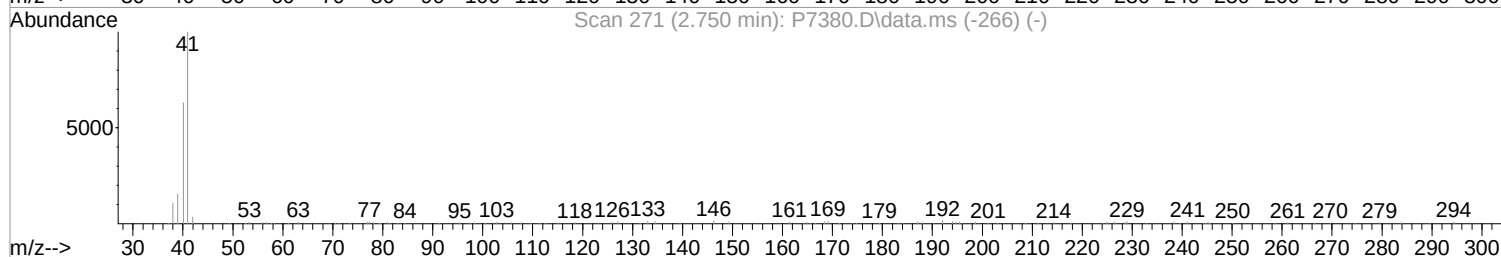
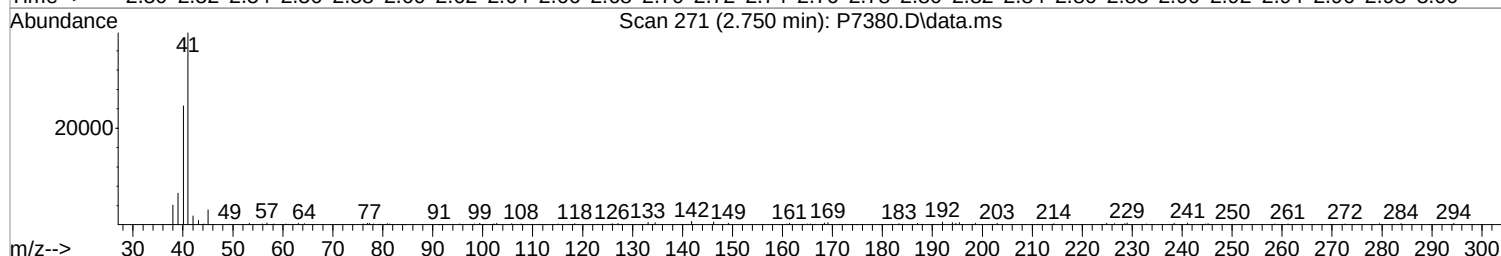
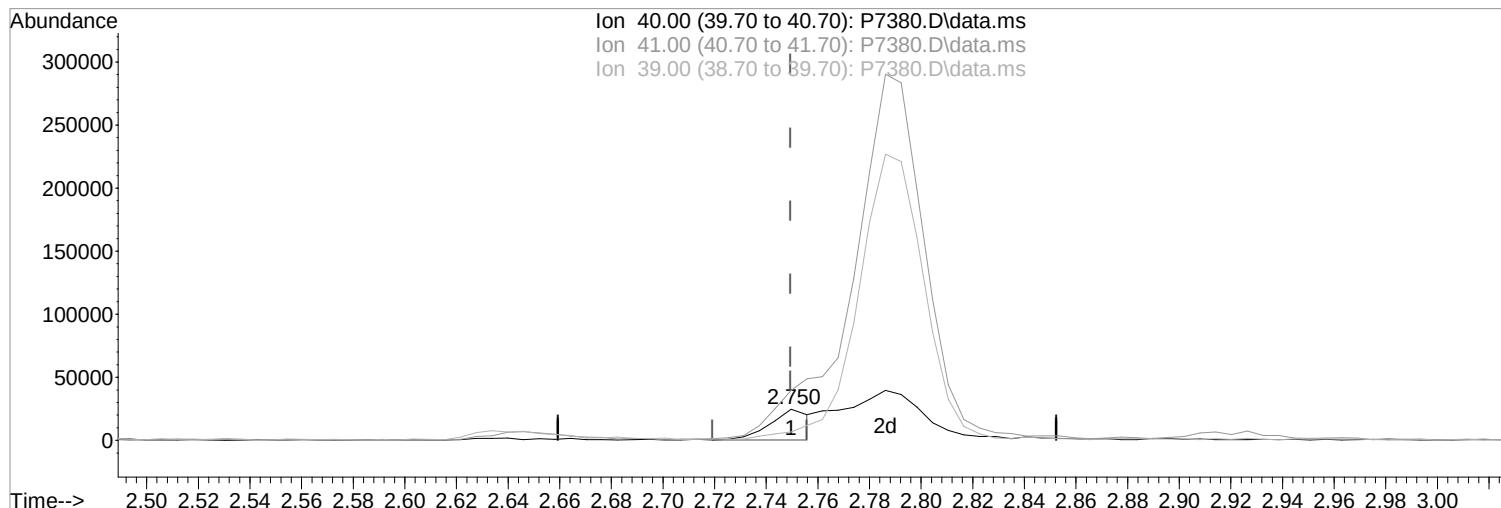
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7380.D\data.ms

(19) Acetonitrile

Manual Integration:

2.750min (+0.000) 139.48 ppb

Before

response 25344

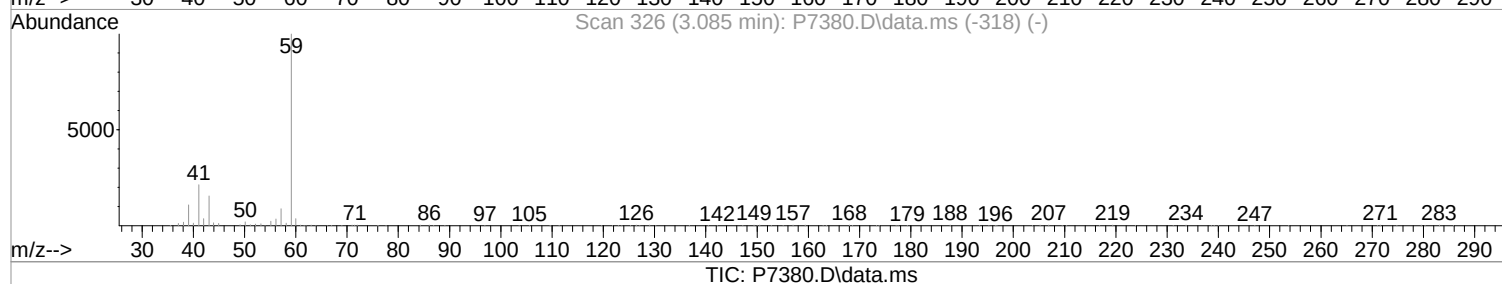
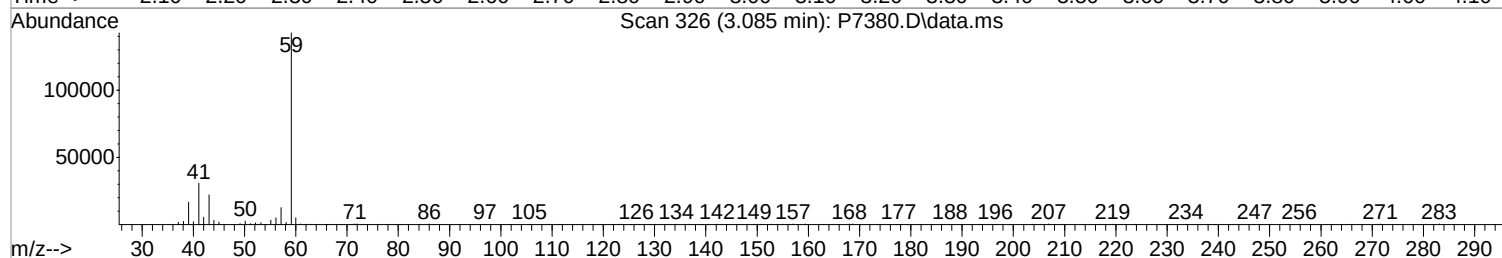
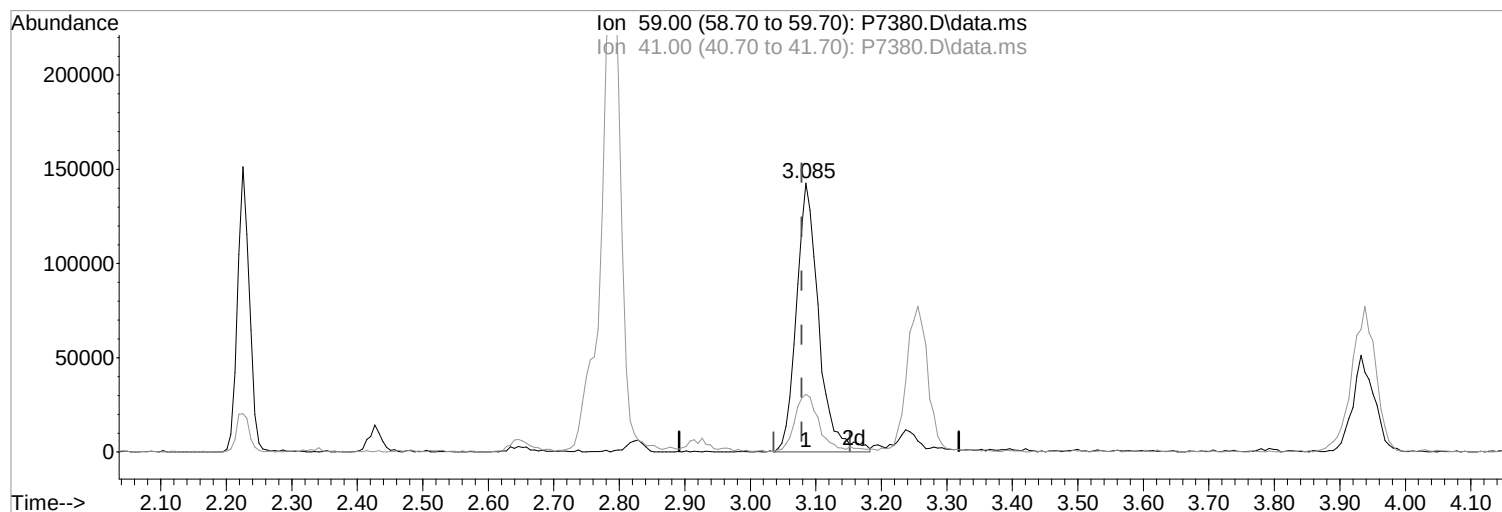
Ion	Exp%	Act%
40.00	100	100
41.00	161.50	161.55
39.00	26.70	26.65
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(23) TBA

3.085min (+0.006) 1064.04 ppb m

response 337434

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	21.52
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

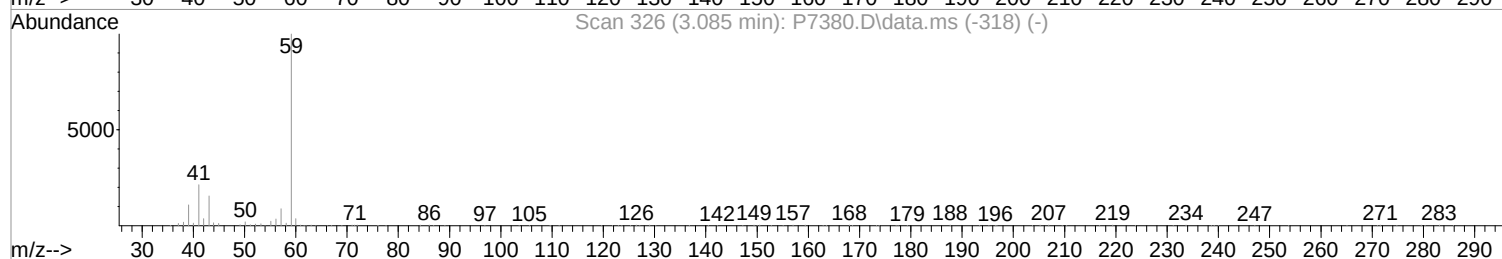
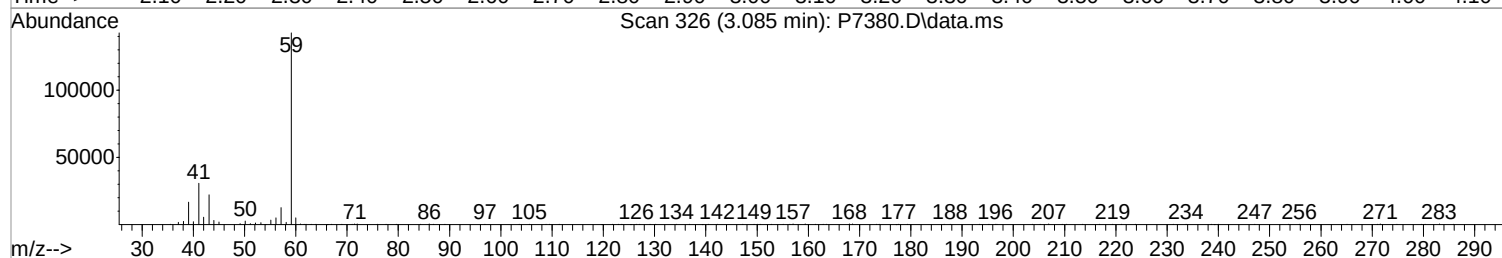
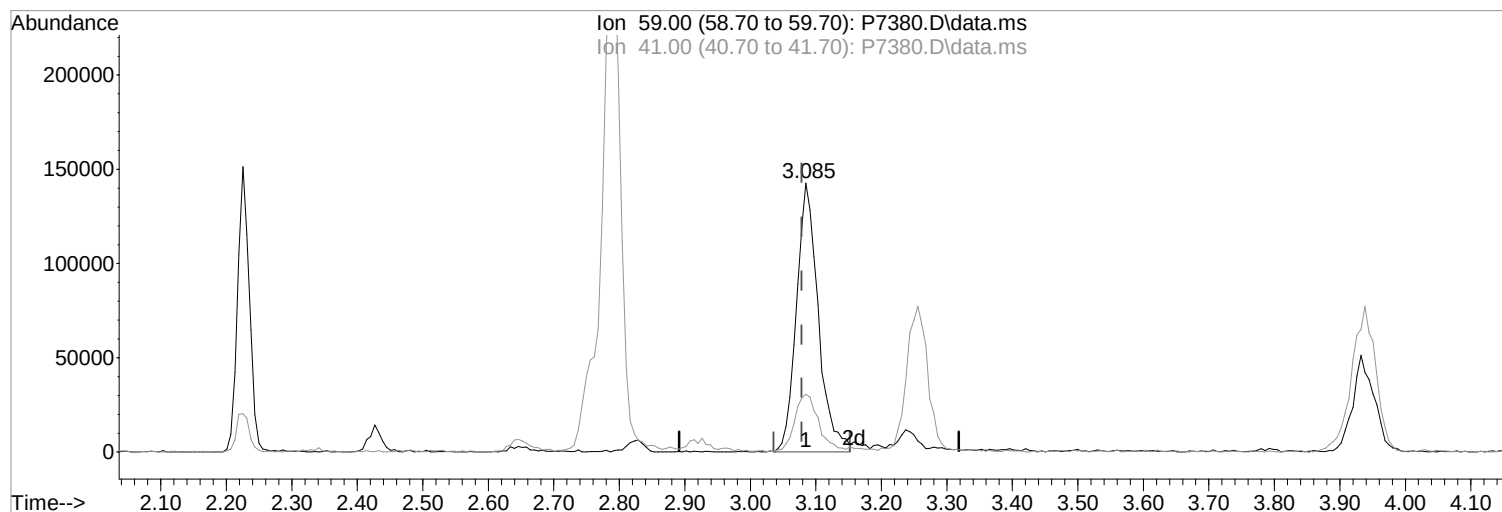
Quantitation Report (Qedit)

1st *MR* 01/05/17
2nd *FJ* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7380.D\data.ms

(23) TBA

Manual Integration:

3.085min (+0.006) 1038.94 ppb

Before

response 329475

01/05/17

Ion	Exp%	Act%
59.00	100	100
41.00	21.50	21.52
0.00	0.00	0.00
0.00	0.00	0.00

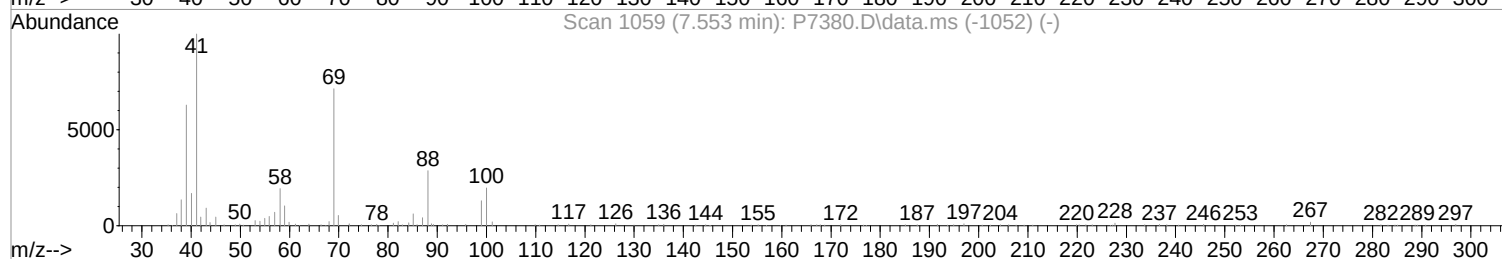
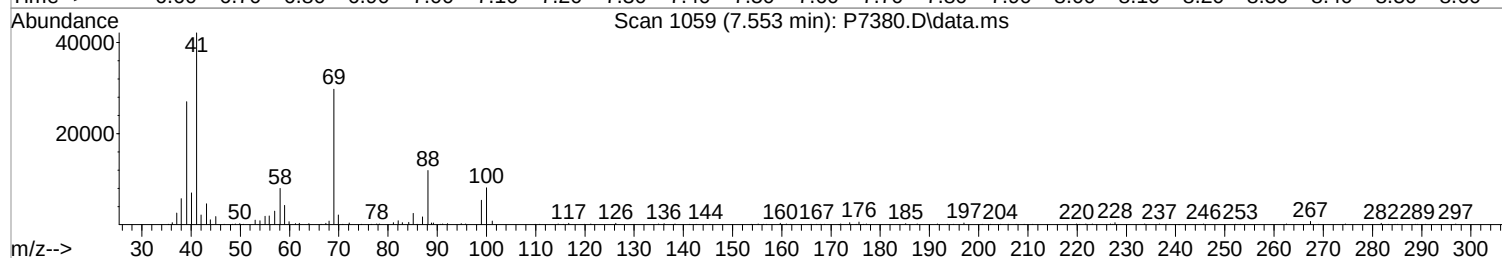
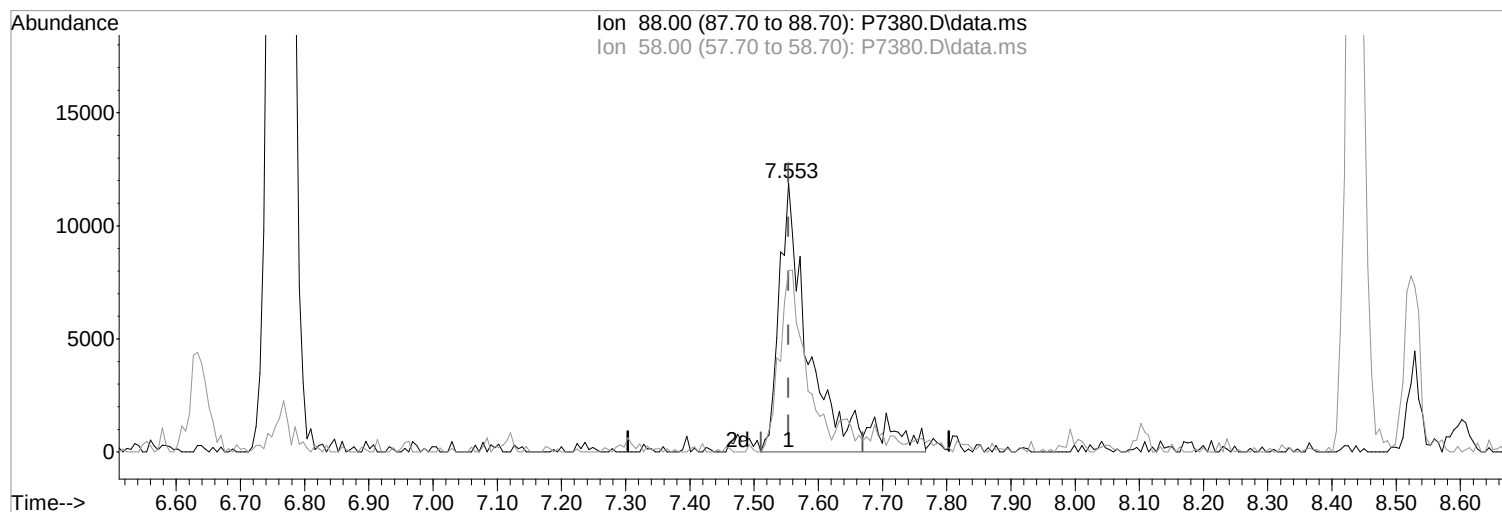
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7380.D\data.ms

(58) 1,4-Dioxane

7.553min (+0.000) 900.44 ppb m

response 41219

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	67.46
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

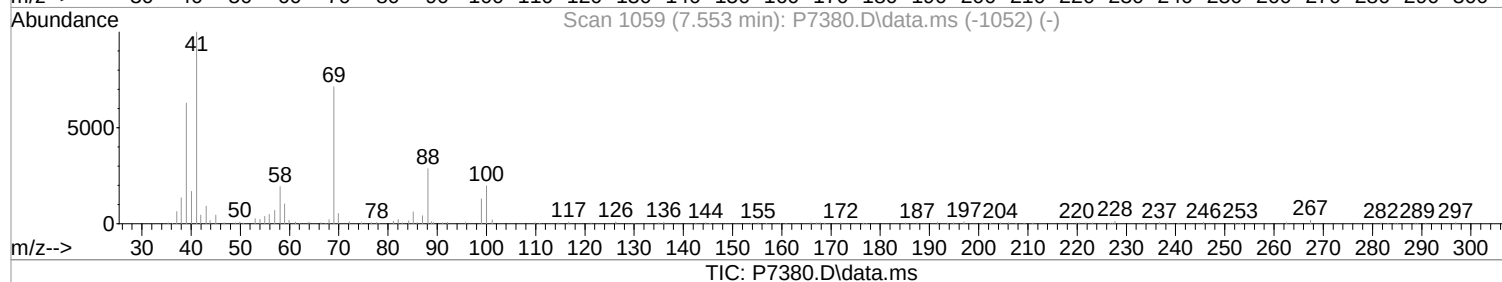
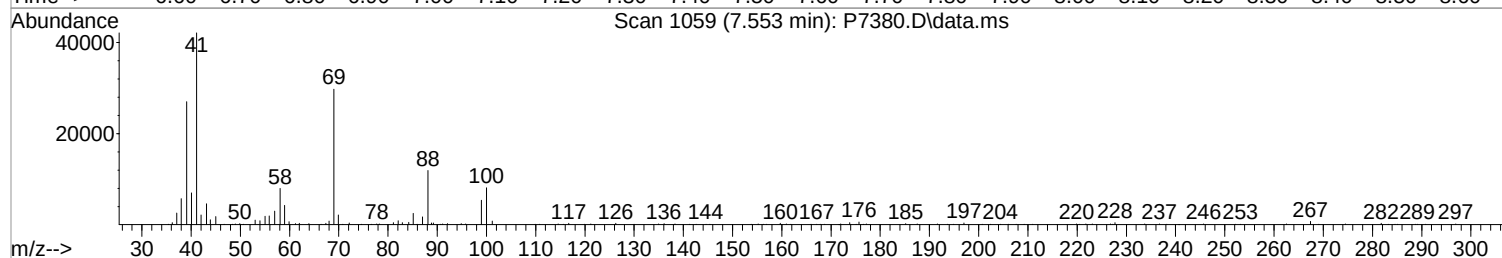
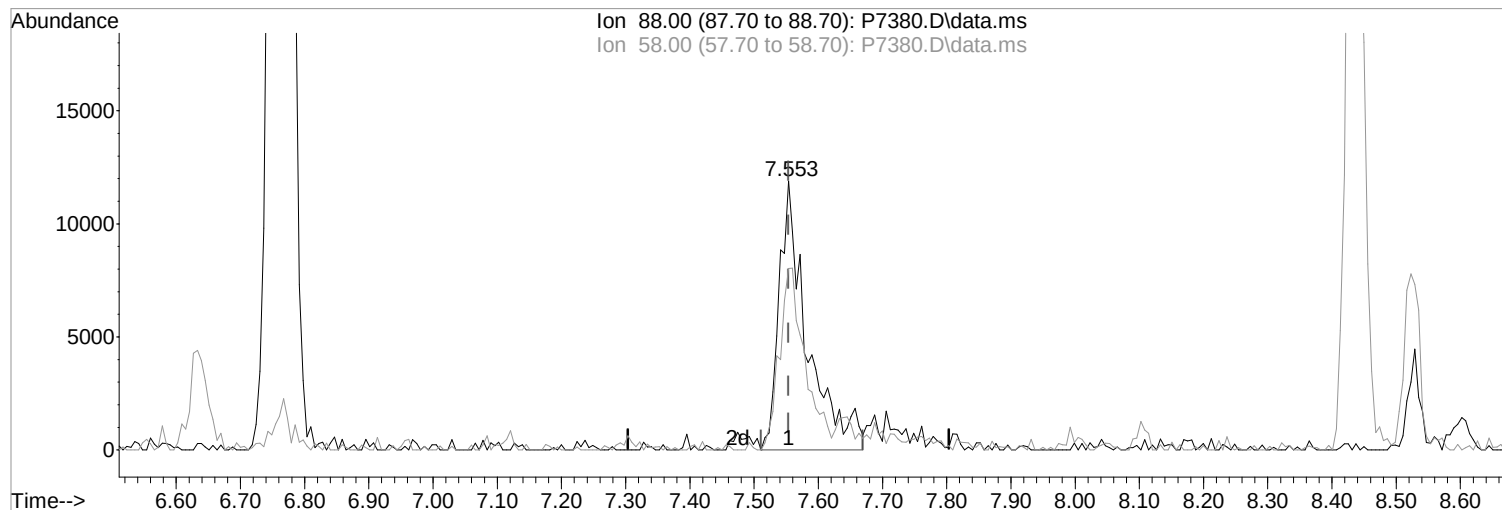
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7380.D
Acq On : 4 Jan 2017 3:53 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:14 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(58) 1,4-Dioxane

Manual Integration:

7.553min (+0.000) 792.18 ppb

Before

response 36263

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	67.46
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7380.D
 Acq On : 4 Jan 2017 3:53 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:16:24 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.731	168	787959	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1264029	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1250676	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	725383	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.590	113	372112	54.56	ppb	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	109.12%
48) surr1,1,2-dichloroetha...	6.090	65	411828	54.38	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	108.76%
65) SURR3,Toluene-d8	8.523	98	1600725	56.76	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	113.52%
70) SURR2,BFB	11.047	95	627165	57.39	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	114.78%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	502186	52.38	ppb	100
3) Chloromethane	1.347	50	414362	48.23	ppb	100
4) Vinyl Chloride	1.427	62	407962	53.61	ppb	100
5) Bromomethane	1.683	94	211234	54.93	ppb	100
6) Chloroethane	1.762	64	208578	51.74	ppb	100
7) Freon 21	1.920	67	453307	47.81	ppb	100
8) Trichlorofluoromethane	1.969	101	436183	51.18	ppb	100
9) Diethyl Ether	2.225	59	189767	52.41	ppb	100
10) Freon 123a	2.231	67	271031	45.30	ppb	100
11) Freon 123	2.292	83	328221	47.63	ppb	100
12) Acrolein	2.335	56	146673	245.96	ppb	100
13) 1,1-Dicethene	2.426	96	272436	48.81	ppb	100
14) Freon 113	2.439	101	307067	50.92	ppb	100
15) Acetone	2.481	43	54484	46.99	ppb	100
16) 2-Propanol	2.646	45	196255m	1068.44	ppb	
17) Iodomethane	2.567	142	436350	53.27	ppb	100
18) Carbon Disulfide	2.628	76	889605	52.28	ppb	100
19) Acetonitrile	2.750	40	43294m	238.27	ppb	
20) Allyl Chloride	2.792	76	165167	49.79	ppb	100
21) Methyl Acetate	2.823	43	142705	51.73	ppb	100
22) Methylene Chloride	2.920	84	294327	48.11	ppb	100
23) TBA	3.085	59	337434m	1064.04	ppb	
24) Acrylonitrile	3.201	53	351570	255.94	ppb	100
25) Methyl-t-Butyl Ether	3.256	73	734520	49.97	ppb	100
26) trans-1,2-Dichloroethene	3.243	96	308042	47.61	ppb	100
28) 1,1-Dicethane	3.786	63	537223	49.59	ppb	100
29) Vinyl Acetate	3.896	86	53026	50.27	ppb	100
30) DIPE	3.938	45	1016265	50.49	ppb	100
31) 2-Chloro-1,3-Butadiene	3.920	53	473307	51.33	ppb	100
32) ETBE	4.511	59	880746	51.63	ppb	100
33) 2,2-Dichloropropane	4.694	77	435500	51.01	ppb	100
34) cis-1,2-Dichloroethene	4.713	96	330874	48.64	ppb	100
35) 2-Butanone	4.767	43	82074	48.85	ppb	100
36) Propionitrile	4.859	54	113545	217.35	ppb	100
37) Bromochloromethane	5.133	130	193531	51.78	ppb	100
38) Methacrylonitrile	5.152	67	79305	47.21	ppb	100
39) Tetrahydrofuran	5.231	42	53138	48.73	ppb	100
40) Chloroform	5.316	83	523819	49.72	ppb	100
41) 1,1,1-Trichloroethane	5.584	97	446037	48.28	ppb	100

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7380.D
 Acq On : 4 Jan 2017 3:53 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:16:24 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	790903	52.48	ppb	100
44) Cyclohexane	5.664	41	293044	43.96	ppb	100
46) Carbontetrachloride	5.847	121	107613	45.89	ppb	100
47) 1,1-Dichloropropene	5.865	75	428922	50.93	ppb	100
49) Benzene	6.164	78	1135736	50.78	ppb	100
50) 1,2-Dichloroethane	6.200	62	388122	49.29	ppb	100
51) Iso-Butyl Alcohol	6.200	43	144844	1063.53	ppb	100
52) n-Heptane	6.633	43	384936	51.10	ppb	100
53) 1-Butanol	7.115	56	208788	2647.35	ppb	100
54) Trichloroethene	7.078	130	333418	51.12	ppb	100
55) Methylcyclohexane	7.304	55	367230	47.60	ppb	100
56) 1,2-Dichloropropane	7.346	63	312069	49.26	ppb	100
57) Dibromomethane	7.486	93	161362	50.40	ppb	100
58) 1,4-Dioxane	7.553	88	41219m	900.44	ppb	100
59) Methyl Methacrylate	7.572	69	146944	48.40	ppb	100
60) Bromodichloromethane	7.706	83	377296	48.46	ppb	100
61) 2-Nitropropane	7.980	41	47861	78.85	ppb	100
62) 2-Chloroethylvinyl Ether	8.102	63	154273	50.72	ppb	100
63) cis-1,3-Dichloropropene	8.236	75	486946	53.34	ppb	100
64) 4-Methyl-2-pentanone	8.437	43	204627	51.34	ppb	100
66) Toluene	8.596	91	1369785	52.31	ppb	100
67) trans-1,3-Dichloropropene	8.858	75	411495	54.93	ppb	100
68) Ethyl Methacrylate	8.992	69	308365	53.29	ppb	100
69) 1,1,2-Trichloroethane	9.041	97	228779	51.50	ppb	100
72) Tetrachloroethene	9.175	164	271813	50.11	ppb	100
73) 2-Hexanone	9.328	43	143245	50.87	ppb	100
74) 1,3-Dichloropropane	9.206	76	420000	49.62	ppb	100
75) Dibromochloromethane	9.431	129	243947	50.45	ppb	100
76) N-Butyl Acetate	9.474	43	334490	48.67	ppb	100
77) 1,2-Dibromoethane	9.523	107	226072	51.26	ppb	100
78) Chlorobenzene	10.010	112	874540	49.76	ppb	100
79) 3-CBTF	10.029	180	489567	49.24	ppb	100
80) 4-CBTF	10.084	180	454078	49.76	ppb	100
81) 1,1,1,2-Tetrachloroethane	10.096	131	303961	52.07	ppb	100
82) Ethylbenzene	10.132	106	483444	49.49	ppb	100
83) (m+p)Xylene	10.242	106	1191324	103.45	ppb	100
84) o-Xylene	10.589	106	584158	50.90	ppb	100
85) Styrene	10.608	104	1024941	53.43	ppb	100
87) Bromoform	10.754	173	134474	52.15	ppb	100
88) 2-CBTF	10.833	180	483325	48.45	ppb	100
89) Isopropylbenzene	10.925	105	1495435	50.44	ppb	100
90) Cyclohexanone	10.986	55	528469	1013.24	ppb	100
91) trans-1,4-Dichloro-2-B...	11.224	53	72817	46.42	ppb	100
92) 1,1,2,2-Tetrachloroethane	11.175	83	271596	47.87	ppb	100
93) Bromobenzene	11.169	156	396153	49.21	ppb	100
94) 1,2,3-Trichloropropane	11.205	110	82614	45.48	ppb	100
95) n-Propylbenzene	11.272	91	1811645	52.64	ppb	100
96) 2-Chlorotoluene	11.339	91	1045168	50.73	ppb	100
97) 3-Chlorotoluene	11.394	91	1174796	51.80	ppb	100
98) 4-Chlorotoluene	11.431	91	1231828	51.28	ppb	100
99) 1,3,5-Trimethylbenzene	11.425	105	1317407	51.26	ppb	100
100) tert-Butylbenzene	11.699	119	1121327	53.30	ppb	100
101) 1,2,4-Trimethylbenzene	11.736	105	1359138	51.53	ppb	100
102) 3,4-DCBTF	11.797	214	387651	50.14	ppb	100
103) sec-Butylbenzene	11.876	105	1628314	52.67	ppb	100
104) p-Isopropyltoluene	11.998	119	1366519	52.81	ppb	100

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7380.D
 Acq On : 4 Jan 2017 3:53 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:16:24 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

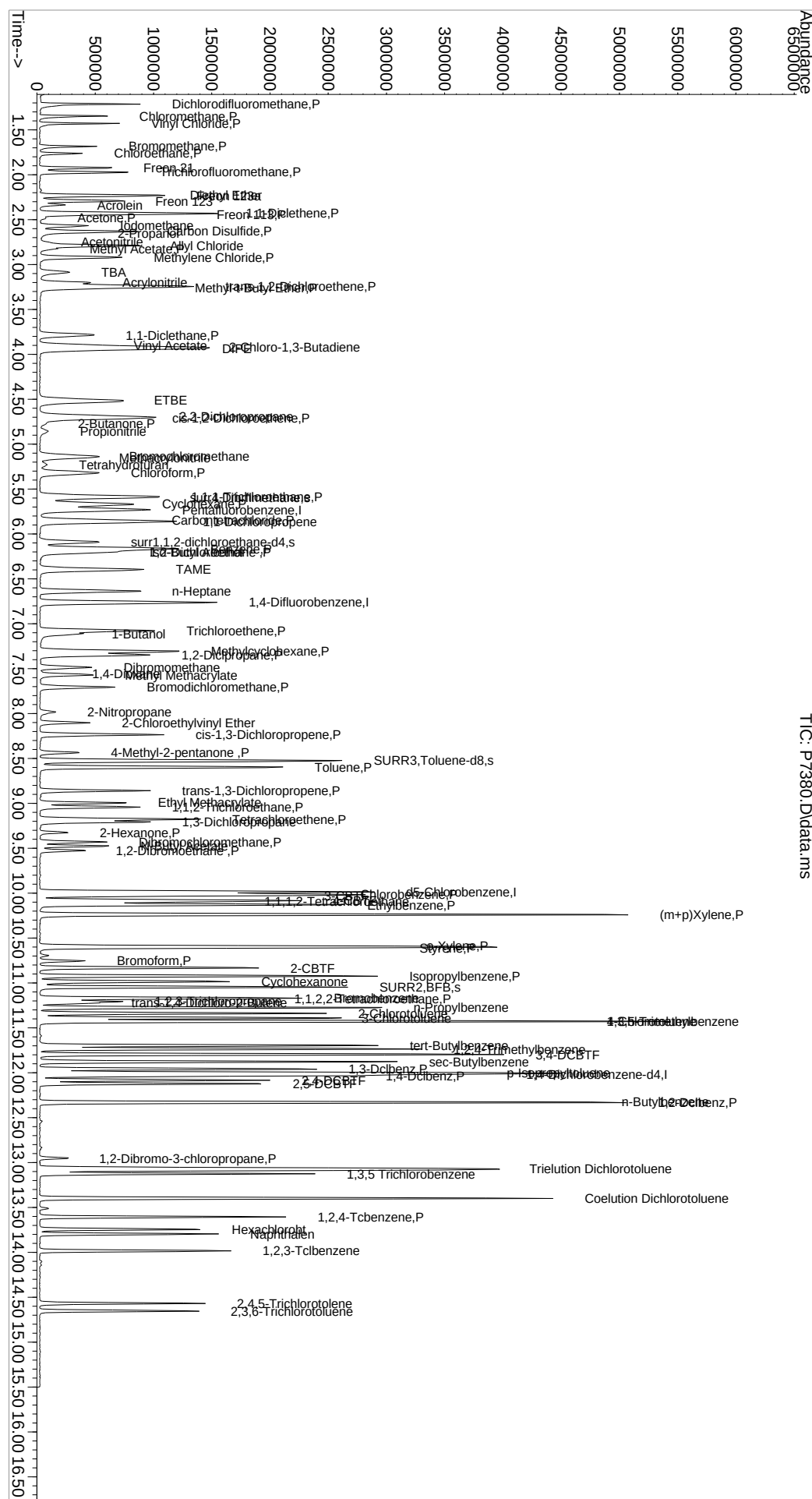
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.961	146	778879	50.63	ppb	100
106) 1,4-Dclbenz	12.034	146	775906	48.32	ppb	100
107) 2,4-DCBTF	12.083	214	339939	47.74	ppb	100
108) 2,5-DCBTF	12.126	214	382146	50.58	ppb	100
109) n-Butylbenzene	12.327	91	1268171	53.73	ppb	100
110) 1,2-Dclbenz	12.333	146	713726	49.61	ppb	100
111) 1,2-Dibromo-3-chloropr...	12.955	157	50286	45.35	ppb	100
112) Trielution Dichlorotol...	13.071	125	1932869	156.15	ppb	100
113) 1,3,5 Trichlorobenzene	13.126	180	540345	49.24	ppb	100
114) Coelution Dichlorotoluene	13.400	125	1388916	103.85	ppb	100
115) 1,2,4-Tcbenzene	13.607	180	477666	50.03	ppb	100
116) Hexachlorobt	13.747	225	195428	44.95	ppb	100
117) Naphthalen	13.796	128	898073	50.96	ppb	100
118) 1,2,3-Tclbenzene	13.985	180	394739	50.21	ppb	100
119) 2,4,5-Trichlorotoluene	14.570	159	287822	47.13	ppb	100
120) 2,3,6-Trichlorotoluene	14.656	159	262860	51.68	ppb	100

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

Quantitation Report (QT Reviewed)

Quant Time : Jan 05 10:16:24 2017
Quant Method : I:\ACQDATA\msv0a12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10ML Purge
Qlast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration

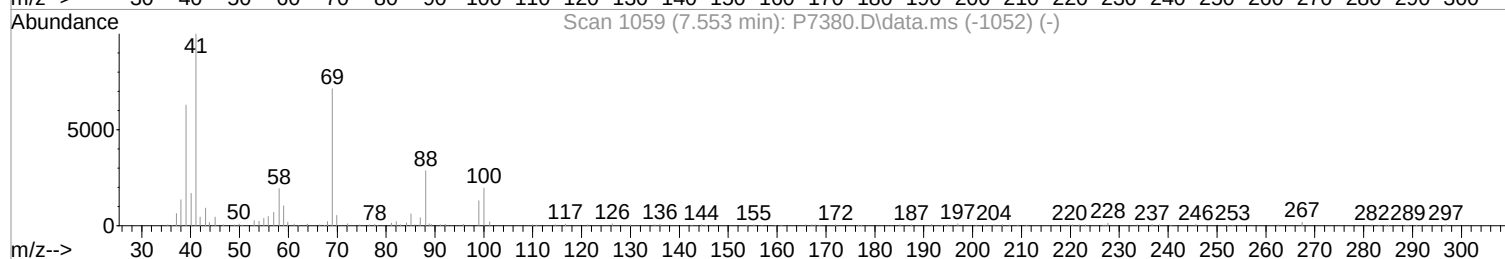
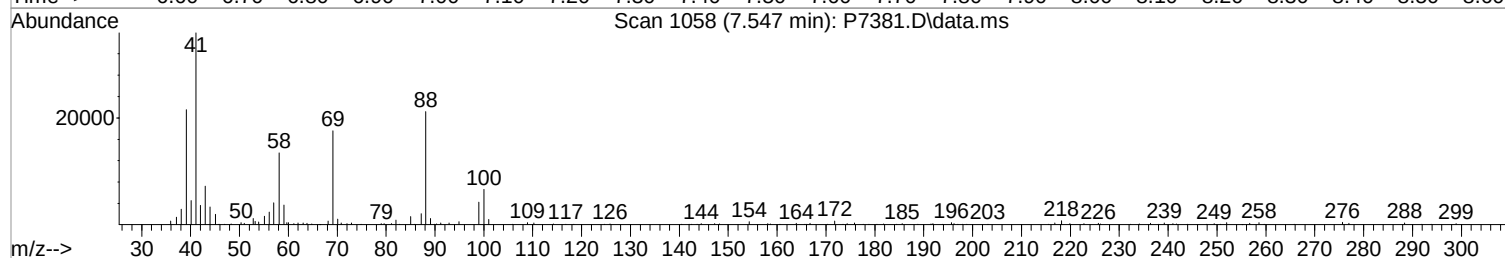
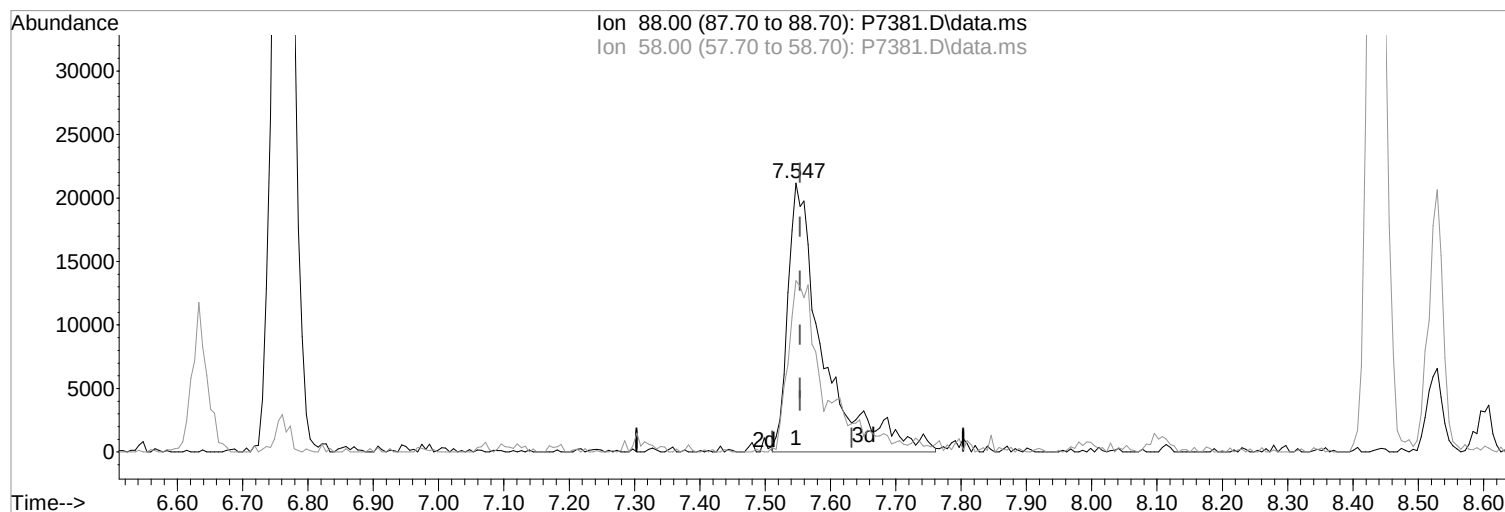
Inst : MSV0A-12



Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7381.D
Acq On : 4 Jan 2017 4:22 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:17 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7381.D\data.ms

(58) 1,4-Dioxane

7.547min (-0.006) 1683.87 ppb m

response 79124

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	63.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

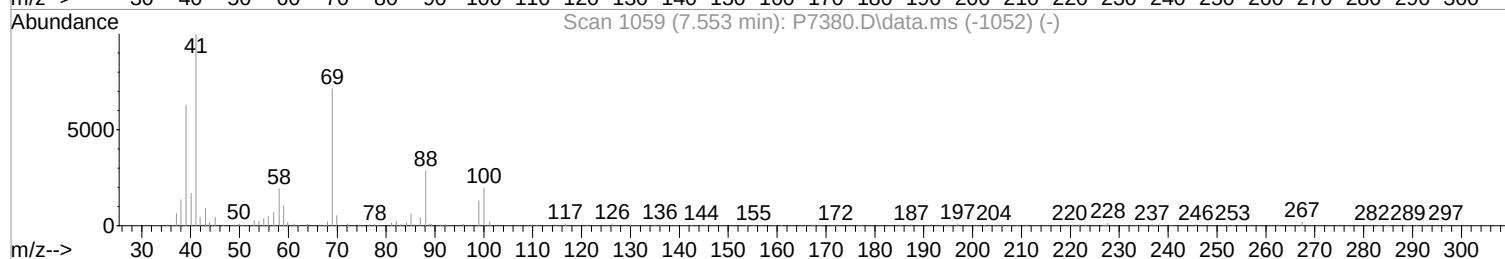
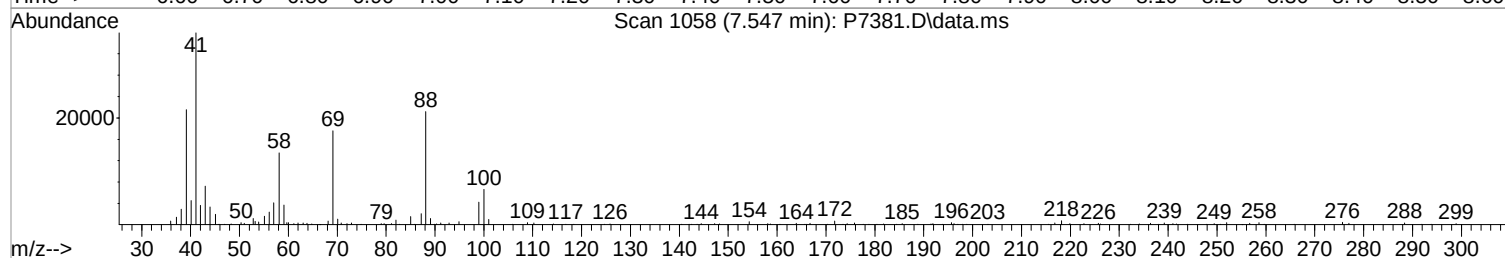
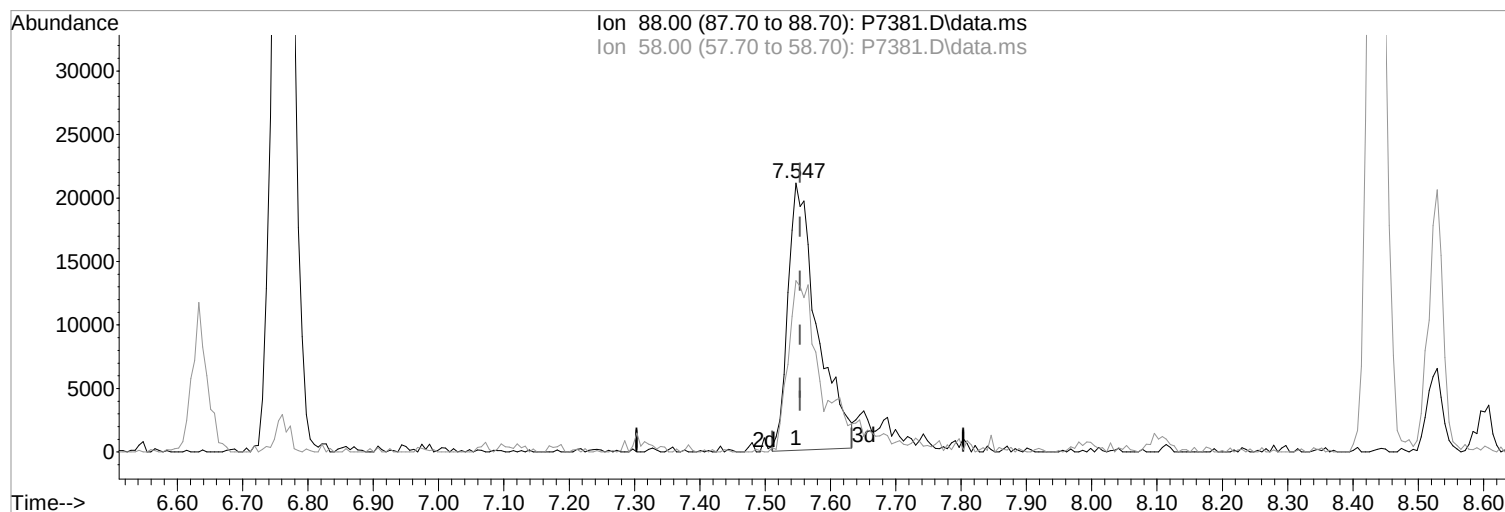
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7381.D
Acq On : 4 Jan 2017 4:22 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:17 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7381.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.547min (-0.006) 1394.27 ppb

Before

response 65516

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	63.69
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7381.D
 Acq On : 4 Jan 2017 4:22 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:18:33 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.731	168	811029	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1297523	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1298423	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	748811	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	822869	117.53	ppb	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	235.06%#
48) surr1,1,2-dichloroetha...	6.090	65	910687	117.15	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	234.30%#
65) SURR3,Toluene-d8	8.529	98	3342051	115.45	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	230.90%#
70) SURR2,BFB	11.047	95	1323989	118.02	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	236.04%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	992744	100.60	ppb	99
3) Chloromethane	1.347	50	897388	101.48	ppb	93
4) Vinyl Chloride	1.427	62	817560	104.38	ppb	100
5) Bromomethane	1.683	94	458851	115.92	ppb	96
6) Chloroethane	1.762	64	410904	99.03	ppb	93
7) Freon 21	1.920	67	1026123	105.16	ppb	100
8) Trichlorofluoromethane	1.975	101	905602	103.24	ppb	99
9) Diethyl Ether	2.225	59	373856	100.31	ppb	92
10) Freon 123a	2.231	67	607312	98.62	ppb	99
11) Freon 123	2.292	83	742720	104.70	ppb	99
12) Acrolein	2.335	56	295539	481.50	ppb	95
13) 1,1-Dicethene	2.426	96	573364	99.80	ppb	94
14) Freon 113	2.438	101	612359	98.66	ppb	94
15) Acetone	2.481	43	112636	94.37	ppb	88
16) 2-Propanol	2.640	45	392249	2074.72	ppb	99
17) Iodomethane	2.567	142	817273	96.93	ppb	94
18) Carbon Disulfide	2.627	76	1744831	99.62	ppb	99
19) Acetonitrile	2.749	40	81533	435.95	ppb	# 77
20) Allyl Chloride	2.786	76	349296	102.29	ppb	98
21) Methyl Acetate	2.823	43	287369	101.21	ppb	96
22) Methylene Chloride	2.920	84	592807	94.15	ppb	94
23) TBA	3.085	59	672799	2061.21	ppb	99
24) Acrylonitrile	3.201	53	700958	495.78	ppb	99
25) Methyl-t-Butyl Ether	3.255	73	1457998	96.37	ppb	98
26) trans-1,2-Dichloroethene	3.237	96	628457	94.37	ppb	94
28) 1,1-Dicethane	3.786	63	1087826	97.56	ppb	99
29) Vinyl Acetate	3.902	86	106792	98.35	ppb	97
30) DIPE	3.938	45	2117431	102.21	ppb	94
31) 2-Chloro-1,3-Butadiene	3.920	53	937584	98.80	ppb	93
32) ETBE	4.517	59	1810571	103.11	ppb	97
33) 2,2-Dichloropropane	4.694	77	951976	108.34	ppb	97
34) cis-1,2-Dichloroethene	4.706	96	679240	97.01	ppb	90
35) 2-Butanone	4.773	43	169636	98.08	ppb	99
36) Propionitrile	4.859	54	246584	458.58	ppb	97
37) Bromochloromethane	5.139	130	374895	97.46	ppb	89
38) Methacrylonitrile	5.151	67	162181	93.79	ppb	86
39) Tetrahydrofuran	5.231	42	111364	99.22	ppb	90
40) Chloroform	5.316	83	1047724	96.61	ppb	99
41) 1,1,1-Trichloroethane	5.590	97	927502	97.54	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7381.D
 Acq On : 4 Jan 2017 4:22 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:18:33 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.401	73	1601825	103.27	ppb	98
44) Cyclohexane	5.663	41	683398	99.88	ppb	93
46) Carbontetrachloride	5.852	121	238194	98.96	ppb	96
47) 1,1-Dichloropropene	5.865	75	880354	101.84	ppb	97
49) Benzene	6.163	78	2299704	100.17	ppb	100
50) 1,2-Dichloroethane	6.200	62	759314	93.94	ppb	98
51) Iso-Butyl Alcohol	6.200	43	302626	2164.70	ppb	82
52) n-Heptane	6.639	43	773661	100.05	ppb	94
53) 1-Butanol	7.108	56	450551	5565.34	ppb	100
54) Trichloroethene	7.078	130	677494	101.20	ppb	96
55) Methylcyclohexane	7.309	55	860518	108.66	ppb	94
56) 1,2-Dichloropropane	7.346	63	636069	97.80	ppb	99
57) Dibromomethane	7.486	93	321156	97.71	ppb	94
58) 1,4-Dioxane	7.547	88	79124m	1683.87	ppb	
59) Methyl Methacrylate	7.572	69	305679	98.09	ppb	97
60) Bromodichloromethane	7.706	83	802650	100.44	ppb	95
61) 2-Nitropropane	7.980	41	112112	179.93	ppb	99
62) 2-Chloroethylvinyl Ether	8.102	63	311382	99.72	ppb	96
63) cis-1,3-Dichloropropene	8.236	75	1031645	110.09	ppb	98
64) 4-Methyl-2-pentanone	8.437	43	402367	98.34	ppb	96
66) Toluene	8.596	91	2717947	101.12	ppb	96
67) trans-1,3-Dichloropropene	8.858	75	858067	111.58	ppb	98
68) Ethyl Methacrylate	8.998	69	639173	107.61	ppb	97
69) 1,1,2-Trichloroethane	9.041	97	469764	103.02	ppb	95
72) Tetrachloroethene	9.175	164	563648	100.08	ppb	98
73) 2-Hexanone	9.321	43	287624	98.38	ppb	97
74) 1,3-Dichloropropane	9.205	76	844122	96.07	ppb	99
75) Dibromochloromethane	9.431	129	536048	106.79	ppb	98
76) N-Butyl Acetate	9.474	43	735316	103.06	ppb	95
77) 1,2-Dibromoethane	9.529	107	450830	98.47	ppb	93
78) Chlorobenzene	10.010	112	1814523	99.46	ppb	98
79) 3-CBTF	10.028	180	1070040	103.67	ppb	99
80) 4-CBTF	10.083	180	957259	101.05	ppb	99
81) 1,1,1,2-Tetrachloroethane	10.096	131	646420	106.67	ppb	95
82) Ethylbenzene	10.132	106	1018108	100.39	ppb	# 89
83) (m+p)Xylene	10.242	106	2454021	205.25	ppb	# 88
84) o-Xylene	10.595	106	1210021	101.56	ppb	96
85) Styrene	10.608	104	2086748	104.77	ppb	100
87) Bromoform	10.754	173	309976	116.45	ppb	98
88) 2-CBTF	10.833	180	1040802	101.06	ppb	98
89) Isopropylbenzene	10.925	105	3007933	98.29	ppb	98
90) Cyclohexanone	10.986	55	1014893	1884.99	ppb	96
91) trans-1,4-Dichloro-2-B...	11.229	53	159244	98.33	ppb	84
92) 1,1,2,2-Tetrachloroethane	11.181	83	552887	94.41	ppb	97
93) Bromobenzene	11.169	156	814055	97.96	ppb	96
94) 1,2,3-Trichloropropane	11.205	110	174137	92.87	ppb	95
95) n-Propylbenzene	11.278	91	3528419	99.32	ppb	93
96) 2-Chlorotoluene	11.339	91	2093625	98.44	ppb	99
97) 3-Chlorotoluene	11.394	91	2367494	101.11	ppb	94
98) 4-Chlorotoluene	11.431	91	2440602	98.42	ppb	97
99) 1,3,5-Trimethylbenzene	11.425	105	2633044	99.24	ppb	99
100) tert-Butylbenzene	11.699	119	2279685	104.97	ppb	97
101) 1,2,4-Trimethylbenzene	11.735	105	2720050	99.90	ppb	98
102) 3,4-DCBTF	11.796	214	831903	104.24	ppb	99
103) sec-Butylbenzene	11.882	105	3210237	100.59	ppb	95
104) p-Isopropyltoluene	11.998	119	2683004	100.44	ppb	96

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7381.D
 Acq On : 4 Jan 2017 4:22 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

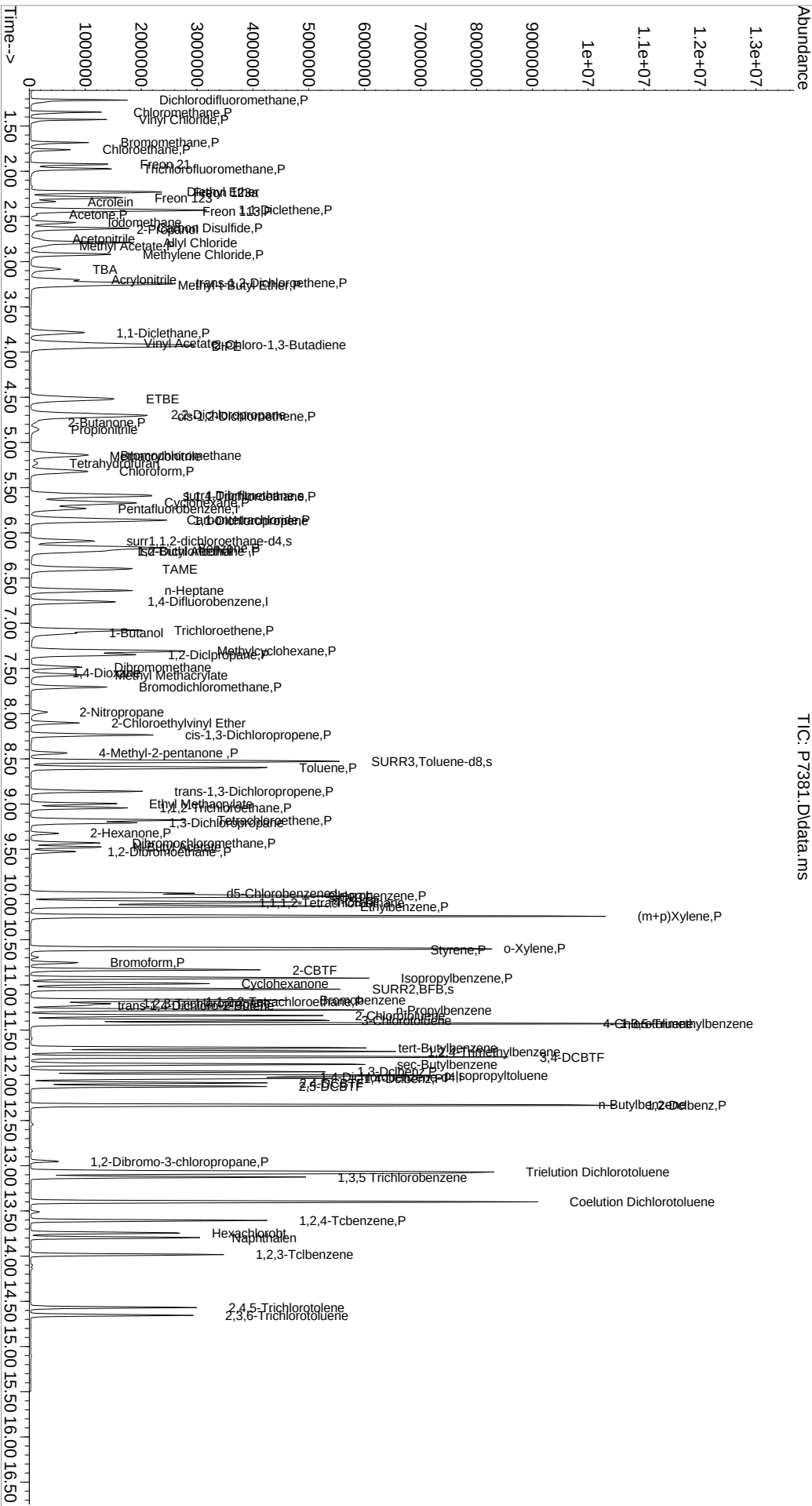
Quant Time: Jan 05 10:18:33 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.961	146	1565168	98.56	ppb	97
106) 1,4-Dclbenz	12.034	146	1587626	95.78	ppb	99
107) 2,4-DCBTF	12.083	214	769609	104.69	ppb	97
108) 2,5-DCBTF	12.126	214	806248	103.38	ppb	97
109) n-Butylbenzene	12.327	91	2481868	101.87	ppb	98
110) 1,2-Dclbenz	12.333	146	1465031	98.65	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.955	157	103233	90.18	ppb	95
112) Trielution Dichlorotol...	13.071	125	3989045	312.18	ppb	100
113) 1,3,5 Trichlorobenzene	13.125	180	1136052	100.29	ppb	95
114) Coelution Dichlorotoluene	13.400	125	2784194	201.67	ppb	98
115) 1,2,4-Tcbenzene	13.607	180	961099	97.51	ppb	94
116) Hexachlorobt	13.747	225	380657	84.81	ppb	97
117) Naphthalen	13.796	128	1799216	98.89	ppb	98
118) 1,2,3-Tclbenzene	13.985	180	784031	96.61	ppb	99
119) 2,4,5-Trichlorotoluene	14.570	159	594568	94.32	ppb	98
120) 2,3,6-Trichlorotoluene	14.656	159	531895	101.29	ppb	92

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

Data Path : I:\ACQDATA\msvoa12\Data\010417\
 Data File : P7381.D
 Acq On : 4 Jan 2017 4:22 pm
 Operator : K.Ruest
 Sample : 100ppb
 Vial : 8260/624 WATER ICAL
 PALS Vial : 9 Sample Multiplier: 1
 Inst : MSVOA-12

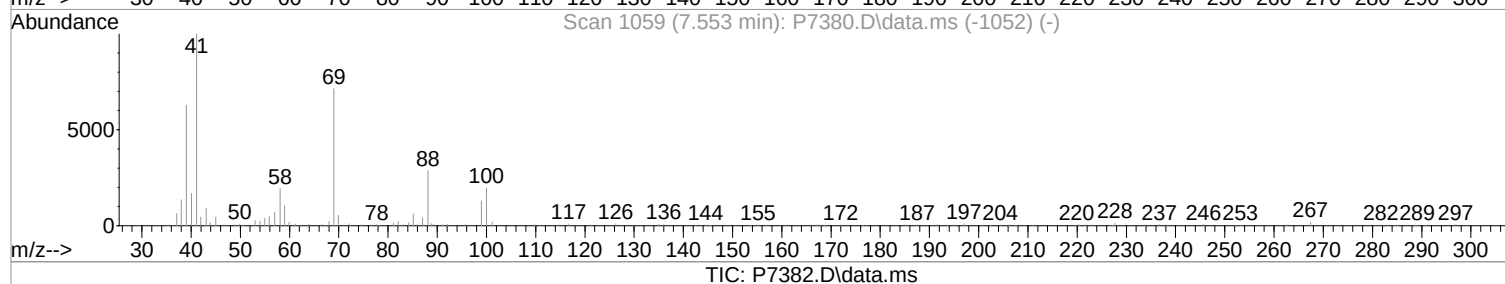
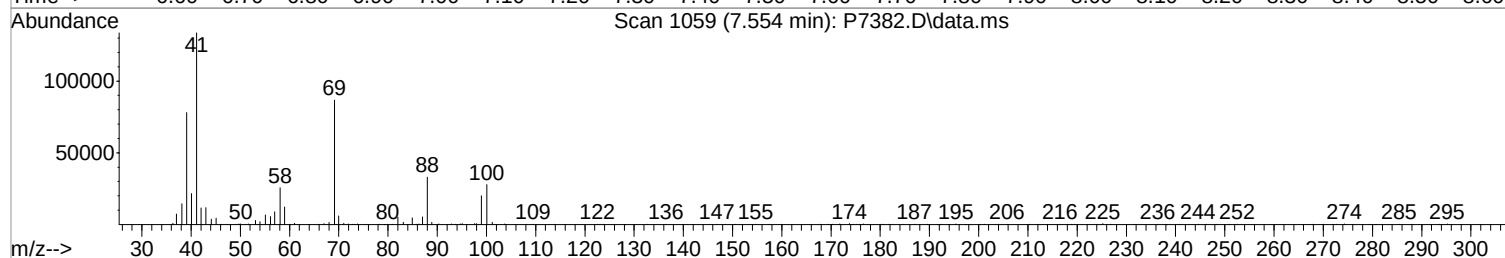
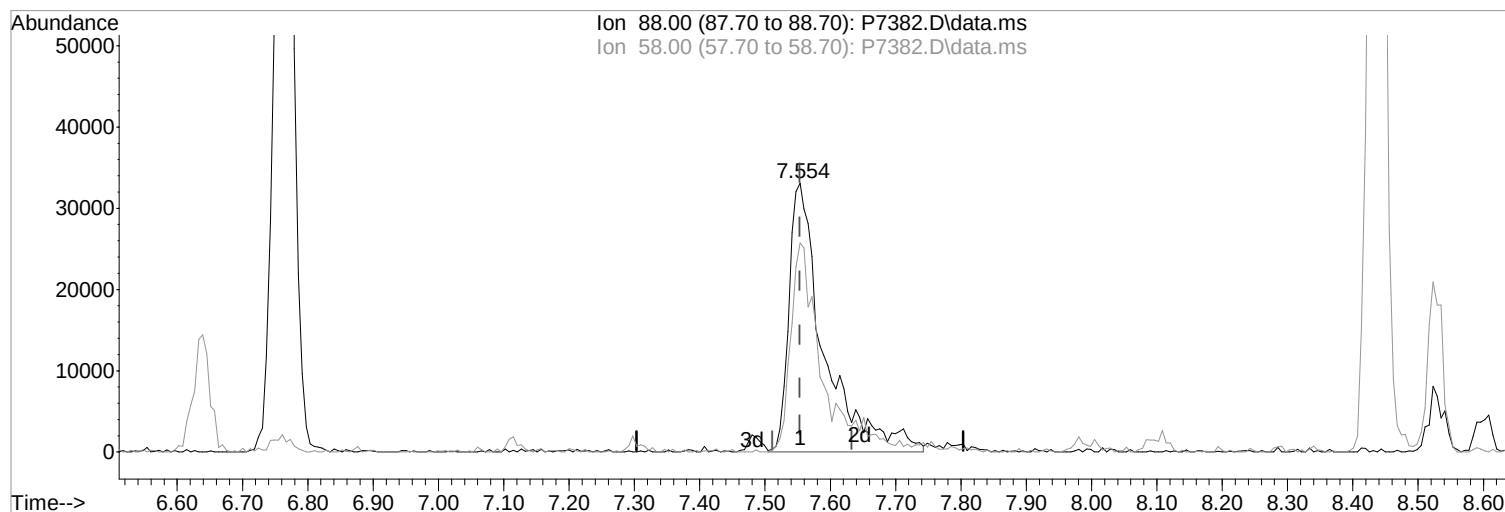
Quant Time: Jan 05 10:18:33 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7382.D
Acq On : 4 Jan 2017 4:52 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:21 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(58) 1,4-Dioxane

7.554min (+0.000) 2578.72 ppb m

response 123670

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	77.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

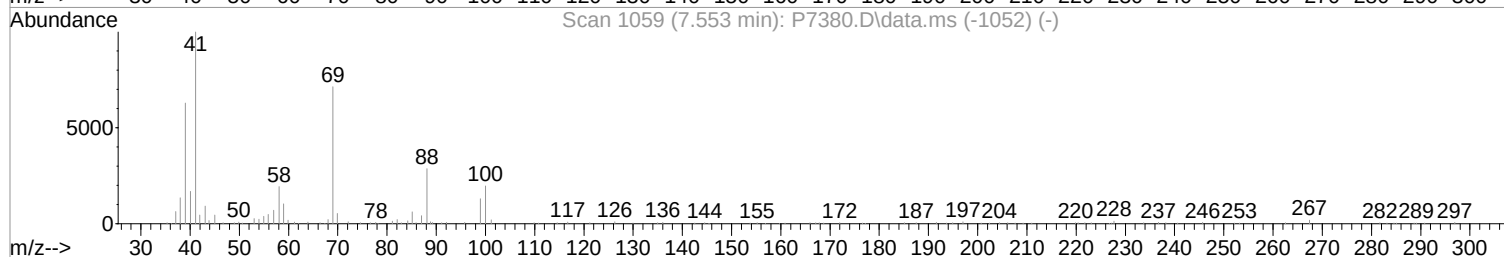
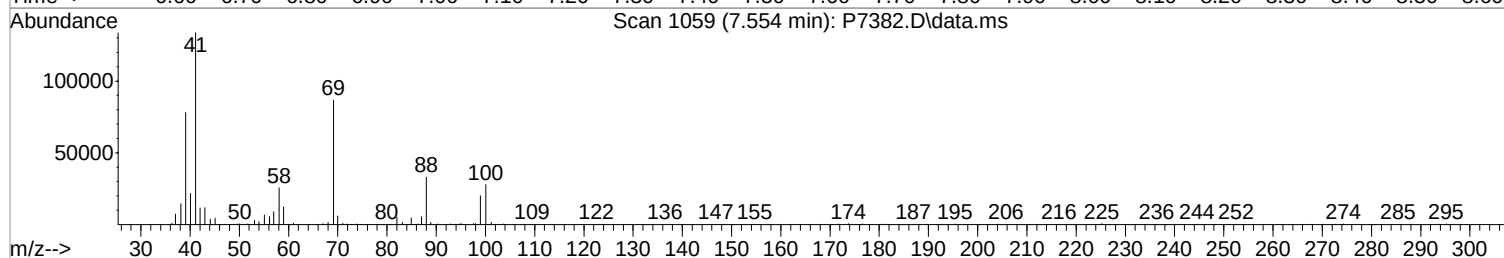
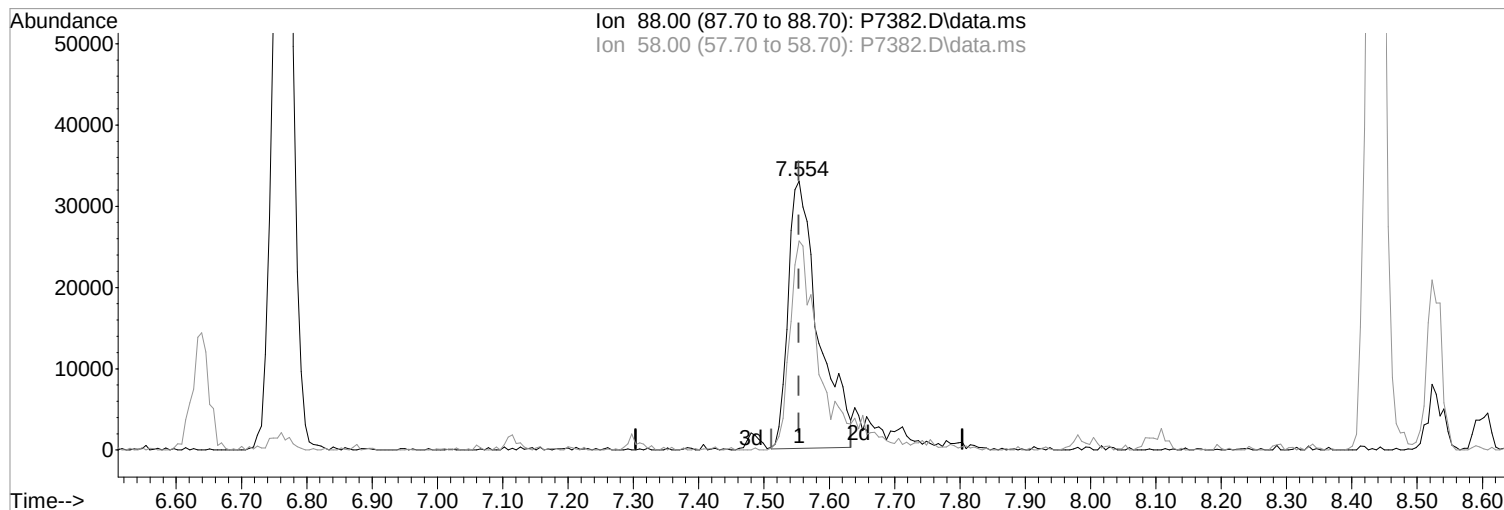
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7382.D
Acq On : 4 Jan 2017 4:52 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:21 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7382.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.554min (+0.000) 2203.62 ppb

Before

response 105681

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	77.72
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7382.D
 Acq On : 4 Jan 2017 4:52 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:24:45 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.731	168	829586	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1324268	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1324590	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	752647	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	985056	137.85	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	275.70%#	
48) surr1,1,2-dichloroetha...	6.090	65	1061104	133.74	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	267.48%#	
65) SURR3,Toluene-d8	8.529	98	3912168	132.42	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	264.84%#	
70) SURR2,BFB	11.047	95	1562358	136.46	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	272.92%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	1527294	151.30	ppb	99
3) Chloromethane	1.341	50	1352991	149.58	ppb	99
4) Vinyl Chloride	1.427	62	1254616	156.59	ppb	98
5) Bromomethane	1.683	94	694203	171.46	ppb	96
6) Chloroethane	1.762	64	642993	151.50	ppb	97
7) Freon 21	1.920	67	1540317	154.32	ppb	99
8) Trichlorofluoromethane	1.975	101	1367618	152.42	ppb	99
9) Diethyl Ether	2.225	59	585723	153.64	ppb	96
10) Freon 123a	2.231	67	912882	144.92	ppb	98
11) Freon 123	2.292	83	1116454	153.87	ppb	99
12) Acrolein	2.335	56	468163	745.68	ppb	96
13) 1,1-Dicethene	2.426	96	888080	151.12	ppb	96
14) Freon 113	2.433	101	957794	150.86	ppb	97
15) Acetone	2.481	43	176640	144.68	ppb	91
16) 2-Propanol	2.646	45	676497	3498.16	ppb	96
17) Iodomethane	2.567	142	1197801	138.89	ppb	98
18) Carbon Disulfide	2.628	76	2721762	151.92	ppb	100
19) Acetonitrile	2.756	40	125305	655.01	ppb	# 60
20) Allyl Chloride	2.792	76	491761	140.79	ppb	99
21) Methyl Acetate	2.823	43	446490	153.73	ppb	95
22) Methylene Chloride	2.920	84	933852	145.00	ppb	93
23) TBA	3.085	59	1122116	3360.86	ppb	99
24) Acrylonitrile	3.201	53	1088329	752.54	ppb	98
25) Methyl-t-Butyl Ether	3.256	73	2233219	144.31	ppb	99
26) trans-1,2-Dichloroethene	3.237	96	964887	141.65	ppb	93
28) 1,1-Dicethane	3.786	63	1669320	146.36	ppb	96
29) Vinyl Acetate	3.896	86	173766	156.46	ppb	# 87
30) DIPE	3.938	45	3173257	149.75	ppb	96
31) 2-Chloro-1,3-Butadiene	3.920	53	1470726	151.51	ppb	99
32) ETBE	4.518	59	2788899	155.27	ppb	97
33) 2,2-Dichloropropane	4.694	77	1460606	162.51	ppb	95
34) cis-1,2-Dichloroethene	4.707	96	1035952	144.64	ppb	96
35) 2-Butanone	4.767	43	268913	152.01	ppb	98
36) Propionitrile	4.859	54	384326	698.76	ppb	97
37) Bromochloromethane	5.139	130	578048	146.91	ppb	89
38) Methacrylonitrile	5.145	67	249188	140.89	ppb	97
39) Tetrahydrofuran	5.225	42	158393	137.96	ppb	95
40) Chloroform	5.322	83	1624889	146.48	ppb	97
41) 1,1,1-Trichloroethane	5.590	97	1430717	147.10	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7382.D
 Acq On : 4 Jan 2017 4:52 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:24:45 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	2403070	151.47	ppb	97
44) Cyclohexane	5.670	41	1052435	150.70	ppb	97
46) Carbontetrachloride	5.853	121	368747	150.11	ppb	96
47) 1,1-Dichloropropene	5.865	75	1323146	149.98	ppb	97
49) Benzene	6.164	78	3486103	148.78	ppb	99
50) 1,2-Dichloroethane	6.206	62	1179010	142.92	ppb	98
51) Iso-Butyl Alcohol	6.200	43	486163	3407.32	ppb	89
52) n-Heptane	6.639	43	1200744	152.15	ppb	94
53) 1-Butanol	7.115	56	754733	9134.41	ppb	99
54) Trichloroethene	7.078	130	1030502	150.82	ppb	99
55) Methylcyclohexane	7.310	55	1275198	157.78	ppb	98
56) 1,2-Dicloropropane	7.346	63	965069	145.39	ppb	99
57) Dibromomethane	7.486	93	503830	150.19	ppb	100
58) 1,4-Dioxane	7.554	88	123670m	2578.72	ppb	
59) Methyl Methacrylate	7.572	69	483630	152.05	ppb	94
60) Bromodichloromethane	7.706	83	1231714	151.01	ppb	96
61) 2-Nitropropane	7.980	41	196021	308.25	ppb	87
62) 2-Chloroethylvinyl Ether	8.102	63	493621	154.90	ppb	98
63) cis-1,3-Dichloropropene	8.236	75	1605057	167.82	ppb	98
64) 4-Methyl-2-pentanone	8.438	43	640545	153.39	ppb	99
66) Toluene	8.596	91	4059309	147.97	ppb	95
67) trans-1,3-Dichloropropene	8.858	75	1327913	169.19	ppb	97
68) Ethyl Methacrylate	8.998	69	1018343	167.98	ppb	100
69) 1,1,2-Trichloroethane	9.041	97	722250	155.19	ppb	97
72) Tetrachloroethene	9.181	164	847783	147.56	ppb	95
73) 2-Hexanone	9.321	43	452731	151.80	ppb	97
74) 1,3-Dichloropropane	9.212	76	1286939	143.57	ppb	98
75) Dibromochloromethane	9.431	129	852787	166.54	ppb	96
76) N-Butyl Acetate	9.474	43	1131008	155.39	ppb	99
77) 1,2-Dibromoethane	9.529	107	703941	150.71	ppb	85
78) Chlorobenzene	10.010	112	2741007	147.27	ppb	98
79) 3-CBTF	10.029	180	1592890	151.28	ppb	98
80) 4-CBTF	10.084	180	1451329	150.17	ppb	98
81) 1,1,1,2-Tetrachloroethane	10.096	131	1009208	163.25	ppb	96
82) Ethylbenzene	10.132	106	1529429	147.83	ppb	# 81
83) (m+p)Xylene	10.242	106	3653263	299.52	ppb	# 82
84) o-Xylene	10.596	106	1872752	154.08	ppb	90
85) Styrene	10.608	104	3142680	154.67	ppb	94
87) Bromoform	10.754	173	500123	186.93	ppb	100
88) 2-CBTF	10.833	180	1586041	153.22	ppb	96
89) Isopropylbenzene	10.925	105	4470849	145.34	ppb	95
90) Cyclohexanone	10.986	55	1621821	2996.90	ppb	93
91) trans-1,4-Dichloro-2-B...	11.230	53	240861	147.97	ppb	89
92) 1,1,2,2-Tetrachloroethane	11.181	83	863958	146.77	ppb	96
93) Bromobenzene	11.169	156	1277408	152.94	ppb	96
94) 1,2,3-Trichloropropane	11.205	110	262206	139.13	ppb	92
95) n-Propylbenzene	11.278	91	5085604	142.42	ppb	88
96) 2-Chlorotoluene	11.339	91	3136153	146.71	ppb	96
97) 3-Chlorotoluene	11.394	91	3420788	145.36	ppb	93
98) 4-Chlorotoluene	11.431	91	3666801	147.11	ppb	96
99) 1,3,5-Trimethylbenzene	11.431	105	3892307	145.96	ppb	93
100) tert-Butylbenzene	11.699	119	3422150	156.77	ppb	99
101) 1,2,4-Trimethylbenzene	11.736	105	4012518	146.62	ppb	94
102) 3,4-DCBTF	11.797	214	1250484	155.88	ppb	98
103) sec-Butylbenzene	11.882	105	4728011	147.39	ppb	92
104) p-Isopropyltoluene	11.998	119	3977087	148.12	ppb	94

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7382.D
Acq On : 4 Jan 2017 4:52 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:24:45 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration

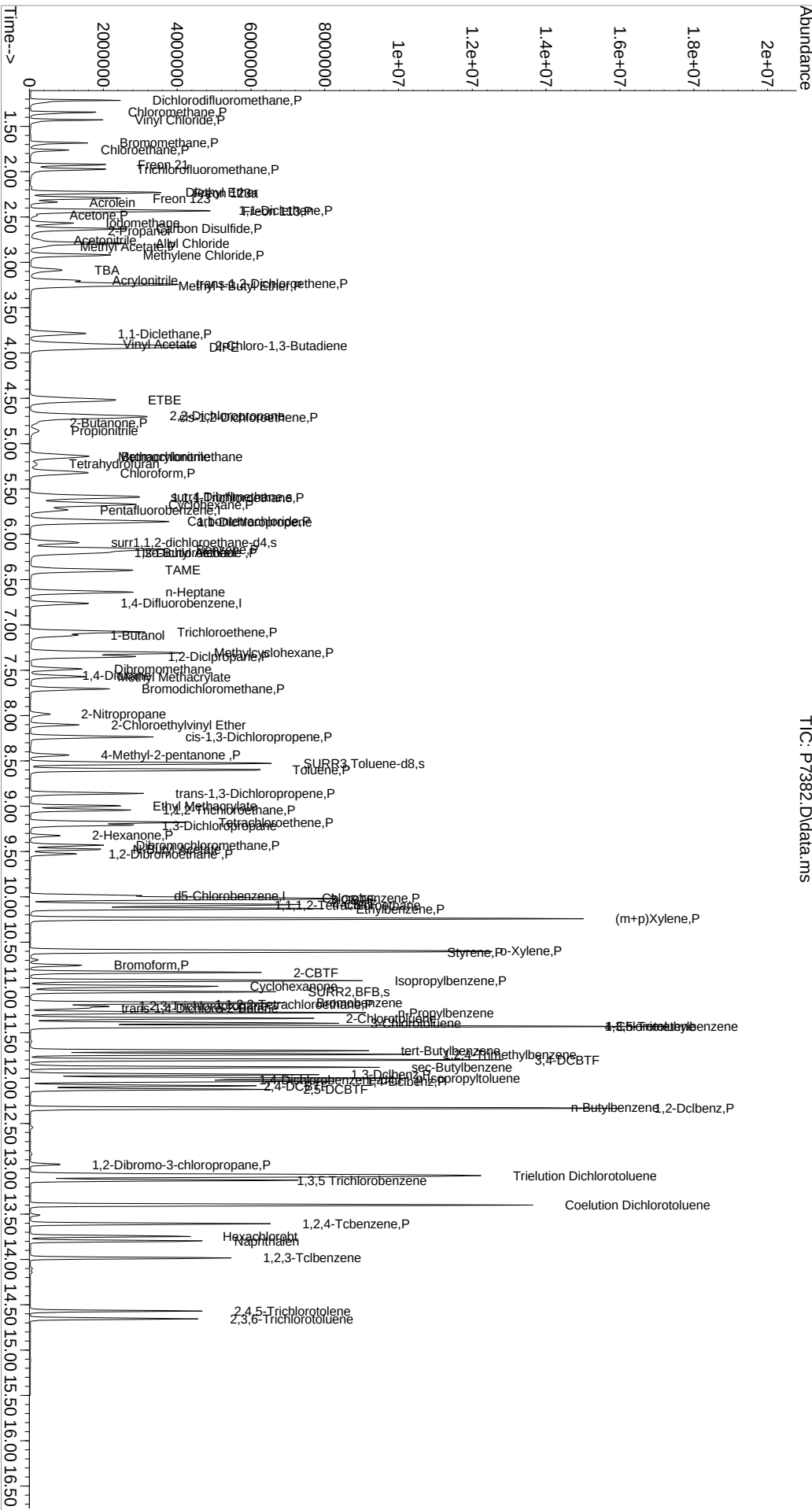
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.961	146	2390708	149.77	ppb	94
106) 1,4-Dclbenz	12.034	146	2386117	143.21	ppb	98
107) 2,4-DCBTF	12.089	214	1158103	156.73	ppb	94
108) 2,5-DCBTF	12.126	214	1230076	156.92	ppb	97
109) n-Butylbenzene	12.327	91	3658001	149.38	ppb	96
110) 1,2-Dclbenz	12.333	146	2262907	151.60	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.955	157	170713	148.36	ppb	96
112) Trielution Dichlorotol...	13.077	125	5880277	457.83	ppb	95
113) 1,3,5 Trichlorobenzene	13.132	180	1699437	149.26	ppb	97
114) Coelution Dichlorotoluene	13.400	125	4142324	298.51	ppb	94
115) 1,2,4-Tcbenzene	13.607	180	1471831	148.57	ppb	92
116) Hexachlorobt	13.747	225	598686	132.71	ppb	99
117) Naphthalen	13.796	128	2714318	148.43	ppb	97
118) 1,2,3-Tclbenzene	13.985	180	1222234	149.84	ppb	99
119) 2,4,5-Trichlorotoluene	14.570	159	915729	144.52	ppb	98
120) 2,3,6-Trichlorotoluene	14.656	159	807549	153.01	ppb	91

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

Data Path : I:\ACQDATA\msvoa12\Data\010417\
 Data File : P7382.D
 Acq On : 4 Jan 2017 4:52 pm
 Operator : K.Ruest
 Sample : 150ppb
 Vial : 8260/624 WATER ICAL
 PALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

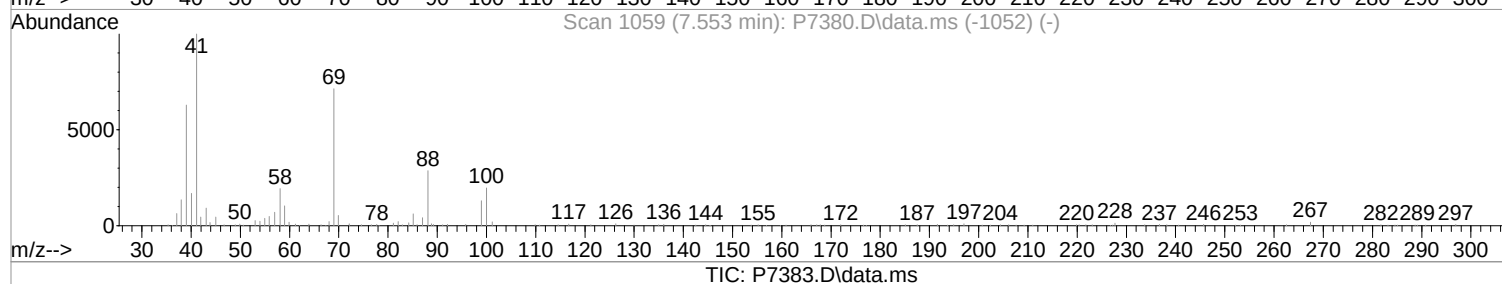
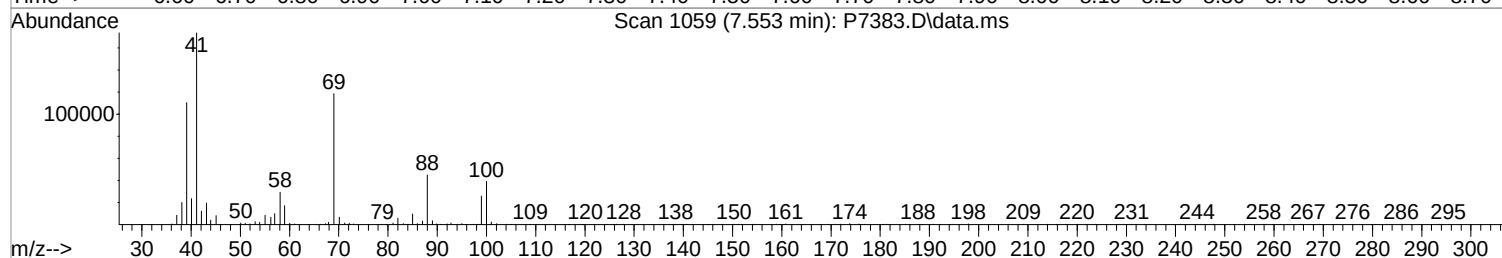
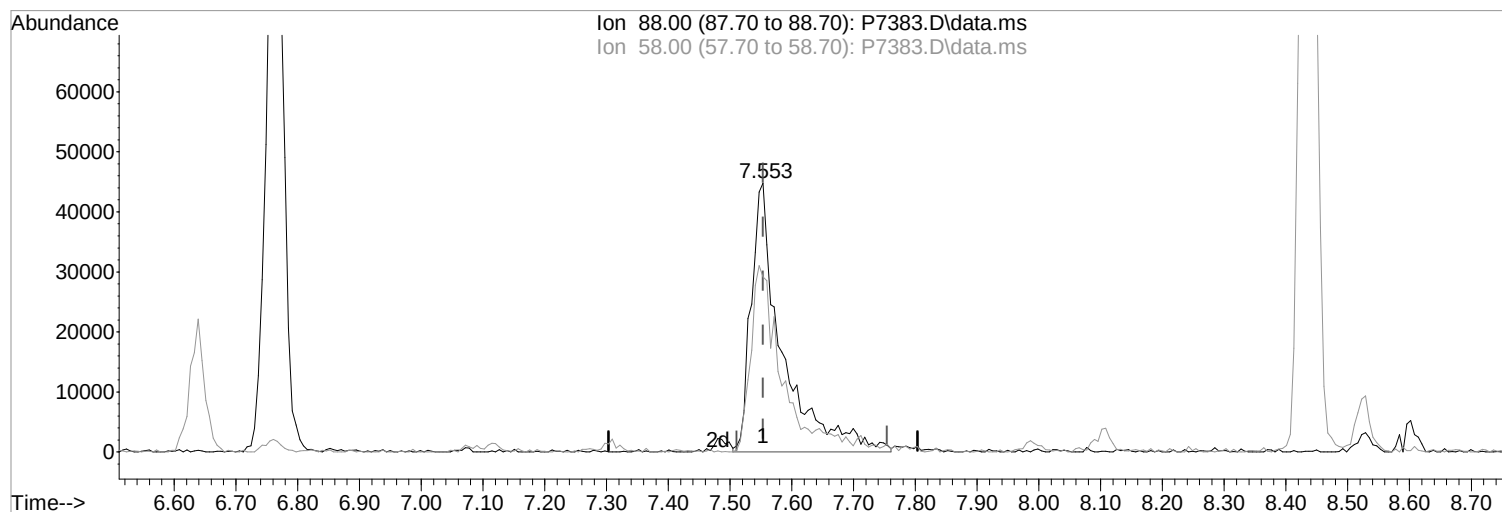
Quant Time: Jan 05 10:24:45 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7383.D
Acq On : 4 Jan 2017 5:22 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:24 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



(58) 1,4-Dioxane

7.553min (0.000) 3183.46 ppb m

response 157151

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	65.13
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

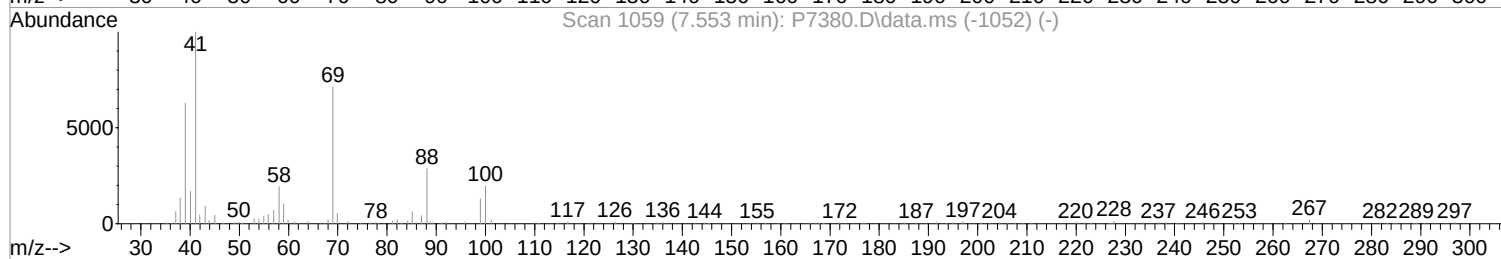
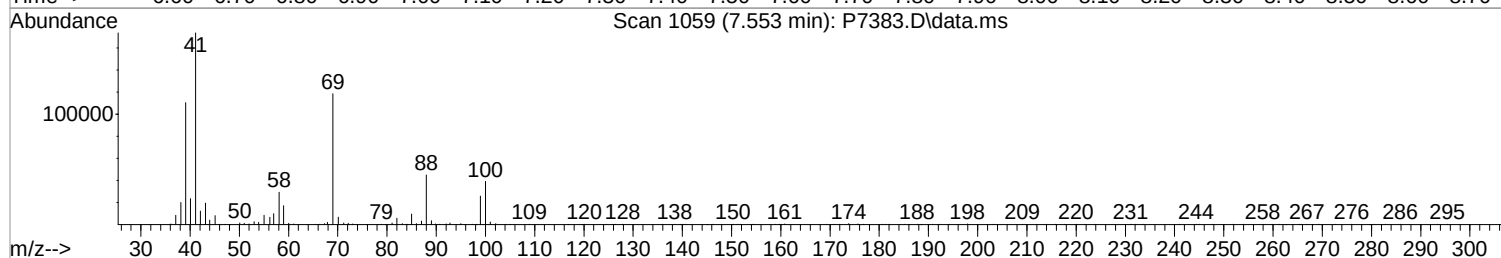
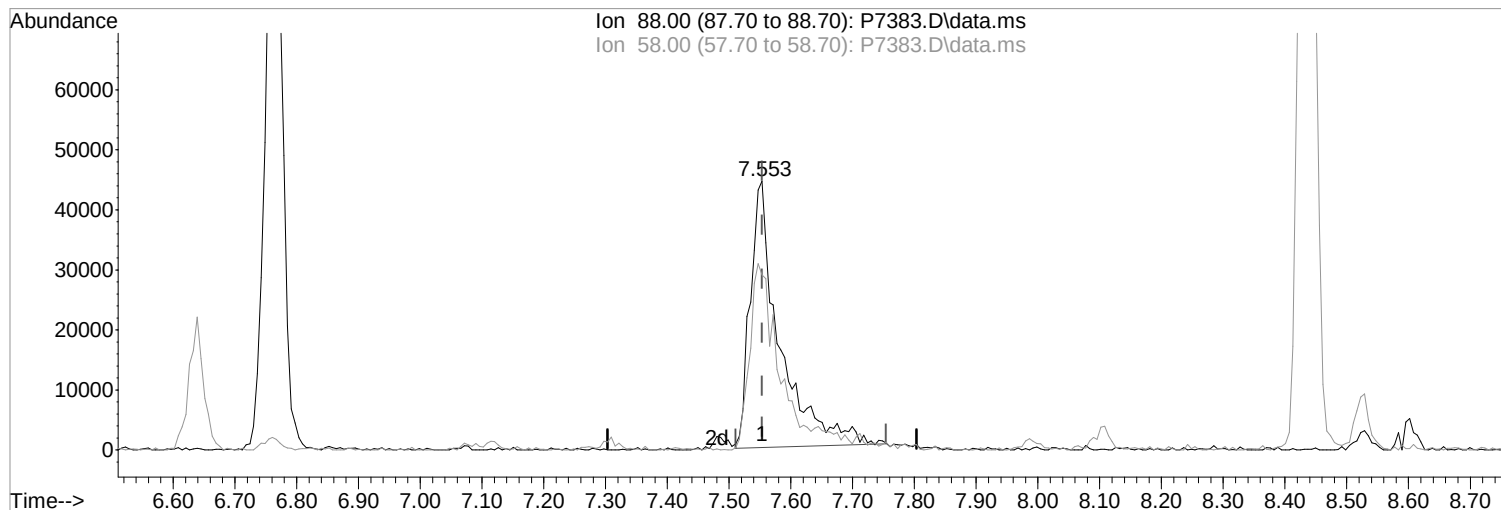
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7383.D
Acq On : 4 Jan 2017 5:22 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 08:58:24 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 08:48:19 2017
Response via : Initial Calibration



TIC: P7383.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.553min (0.000) 2974.06 ppb

Before

response 146814

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	65.13
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7383.D
 Acq On : 4 Jan 2017 5:22 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:28:22 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	837931	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1363119	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1344072	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	765627	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	413921	56.27	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	112.54%	
48) surr1,1,2-dichloroetha...	6.090	65	443778	54.34	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	108.68%	
65) SURR3,Toluene-d8	8.523	98	1726094	56.76	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	113.52%	
70) SURR2,BFB	11.047	95	676807	57.43	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	114.86%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.213	85	2006760	196.82	ppb	99
3) Chloromethane	1.347	50	1799774	196.99	ppb	97
4) Vinyl Chloride	1.426	62	1697895	209.81	ppb	98
5) Bromomethane	1.683	94	925766	226.37	ppb	95
6) Chloroethane	1.762	64	846614	197.49	ppb	92
7) Freon 21	1.920	67	2035789	201.93	ppb	96
8) Trichlorofluoromethane	1.975	101	1804351	199.09	ppb	100
9) Diethyl Ether	2.225	59	761047	197.65	ppb	91
10) Freon 123a	2.231	67	1203849	189.21	ppb	98
11) Freon 123	2.292	83	1469364	200.49	ppb	99
12) Acrolein	2.335	56	631466	995.77	ppb	96
13) 1,1-Dicethene	2.426	96	1199280	202.04	ppb	97
14) Freon 113	2.432	101	1261647	196.74	ppb	97
15) Acetone	2.481	43	236759	192.00	ppb	98
16) 2-Propanol	2.640	45	839415	4297.38	ppb	95
17) Iodomethane	2.567	142	1562073	179.32	ppb	97
18) Carbon Disulfide	2.634	76	3641931	201.26	ppb	98
19) Acetonitrile	2.749	40	178171	922.08	ppb	# 83
20) Allyl Chloride	2.792	76	638561	181.00	ppb	98
21) Methyl Acetate	2.823	43	595654	203.04	ppb	97
22) Methylene Chloride	2.920	84	1241361	190.83	ppb	94
23) TBA	3.079	59	1464026	4341.24	ppb	97
24) Acrylonitrile	3.201	53	1457373	997.68	ppb	97
25) Methyl-t-Butyl Ether	3.255	73	2977687	190.50	ppb	100
26) trans-1,2-Dichloroethene	3.237	96	1299730	188.91	ppb	98
28) 1,1-Dicethane	3.786	63	2222115	192.89	ppb	99
29) Vinyl Acetate	3.896	86	225661	201.16	ppb	# 88
30) DIPE	3.938	45	4191843	195.85	ppb	94
31) 2-Chloro-1,3-Butadiene	3.920	53	2013965	205.40	ppb	99
32) ETBE	4.517	59	3712850	204.65	ppb	97
33) 2,2-Dichloropropane	4.700	77	1928048	212.38	ppb	100
34) cis-1,2-Dichloroethene	4.706	96	1380301	190.80	ppb	97
35) 2-Butanone	4.761	43	354275	198.27	ppb	90
36) Propionitrile	4.859	54	525166	945.31	ppb	93
37) Bromochloromethane	5.139	130	759402	191.08	ppb	92
38) Methacrylonitrile	5.151	67	334882	187.45	ppb	98
39) Tetrahydrofuran	5.231	42	220681	190.30	ppb	95
40) Chloroform	5.322	83	2139410	190.94	ppb	92
41) 1,1,1-Trichloroethane	5.590	97	1946500	198.13	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7383.D
 Acq On : 4 Jan 2017 5:22 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:28:22 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	3264221	203.70	ppb	99
44) Cyclohexane	5.670	41	1390886	193.49	ppb	92
46) Carbontetrachloride	5.852	121	515405	203.83	ppb	99
47) 1,1-Dichloropropene	5.865	75	1734831	191.03	ppb	95
49) Benzene	6.169	78	4602316	190.82	ppb	99
50) 1,2-Dichloroethane	6.206	62	1554861	183.11	ppb	99
51) Iso-Butyl Alcohol	6.200	43	659496	4490.40	ppb	85
52) n-Heptane	6.639	43	1574180	193.78	ppb	94
53) 1-Butanol	7.114	56	959468	11281.31	ppb	99
54) Trichloroethene	7.078	130	1373179	195.24	ppb	98
55) Methylcyclohexane	7.309	55	1680061	201.94	ppb	94
56) 1,2-Dicloropropane	7.352	63	1302055	190.57	ppb	98
57) Dibromomethane	7.486	93	656152	190.03	ppb	98
58) 1,4-Dioxane	7.553	88	157151m	3183.46	ppb	
59) Methyl Methacrylate	7.572	69	643566	196.57	ppb	91
60) Bromodichloromethane	7.706	83	1647477	196.23	ppb	97
61) 2-Nitropropane	7.980	41	276290	422.09	ppb	97
62) 2-Chloroethylvinyl Ether	8.102	63	669873	204.21	ppb	92
63) cis-1,3-Dichloropropene	8.236	75	2124785	215.83	ppb	99
64) 4-Methyl-2-pentanone	8.437	43	874580	203.46	ppb	95
66) Toluene	8.602	91	5259530	186.26	ppb	91
67) trans-1,3-Dichloropropene	8.858	75	1794140	222.08	ppb	95
68) Ethyl Methacrylate	8.998	69	1365860	218.88	ppb	100
69) 1,1,2-Trichloroethane	9.041	97	951850	198.69	ppb	95
72) Tetrachloroethene	9.181	164	1135080	194.70	ppb	97
73) 2-Hexanone	9.327	43	623410	205.99	ppb	98
74) 1,3-Dichloropropane	9.212	76	1712811	188.31	ppb	99
75) Dibromochloromethane	9.431	129	1160930	223.43	ppb	99
76) N-Butyl Acetate	9.474	43	1511137	204.60	ppb	99
77) 1,2-Dibromoethane	9.529	107	941002	198.55	ppb	90
78) Chlorobenzene	10.010	112	3590087	190.09	ppb	99
79) 3-CBTF	10.028	180	2162906	202.43	ppb	100
80) 4-CBTF	10.083	180	1930397	196.85	ppb	97
81) 1,1,1,2-Tetrachloroethane	10.096	131	1376488	219.43	ppb	97
82) Ethylbenzene	10.132	106	2037835	194.11	ppb	# 76
83) (m+p)Xylene	10.242	106	4719202	381.31	ppb	# 72
84) o-Xylene	10.595	106	2472873	200.51	ppb	# 86
85) Styrene	10.608	104	4060291	196.94	ppb	93
87) Bromoform	10.754	173	687325	252.55	ppb	100
88) 2-CBTF	10.833	180	2114412	200.80	ppb	95
89) Isopropylbenzene	10.925	105	5678883	181.48	ppb	91
90) Cyclohexanone	10.986	55	2091909	3800.03	ppb	94
91) trans-1,4-Dichloro-2-B...	11.229	53	318449	192.32	ppb	81
92) 1,1,2,2-Tetrachloroethane	11.181	83	1112756	185.83	ppb	98
93) Bromobenzene	11.168	156	1697805	199.83	ppb	96
94) 1,2,3-Trichloropropane	11.211	110	349198	182.14	ppb	# 87
95) n-Propylbenzene	11.278	91	6259747	172.33	ppb	83
96) 2-Chlorotoluene	11.339	91	4067474	187.05	ppb	95
97) 3-Chlorotoluene	11.394	91	4382771	183.07	ppb	# 90
98) 4-Chlorotoluene	11.431	91	4695377	185.19	ppb	93
99) 1,3,5-Trimethylbenzene	11.431	105	4926753	181.62	ppb	90
100) tert-Butylbenzene	11.699	119	4418291	198.97	ppb	96
101) 1,2,4-Trimethylbenzene	11.735	105	5103243	183.31	ppb	91
102) 3,4-DCBTF	11.796	214	1708312	209.35	ppb	99
103) sec-Butylbenzene	11.882	105	5901212	180.84	ppb	87
104) p-Isopropyltoluene	12.004	119	5057758	185.18	ppb	90

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7383.D
 Acq On : 4 Jan 2017 5:22 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : 8260/624 WATER ICAL
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:28:22 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration

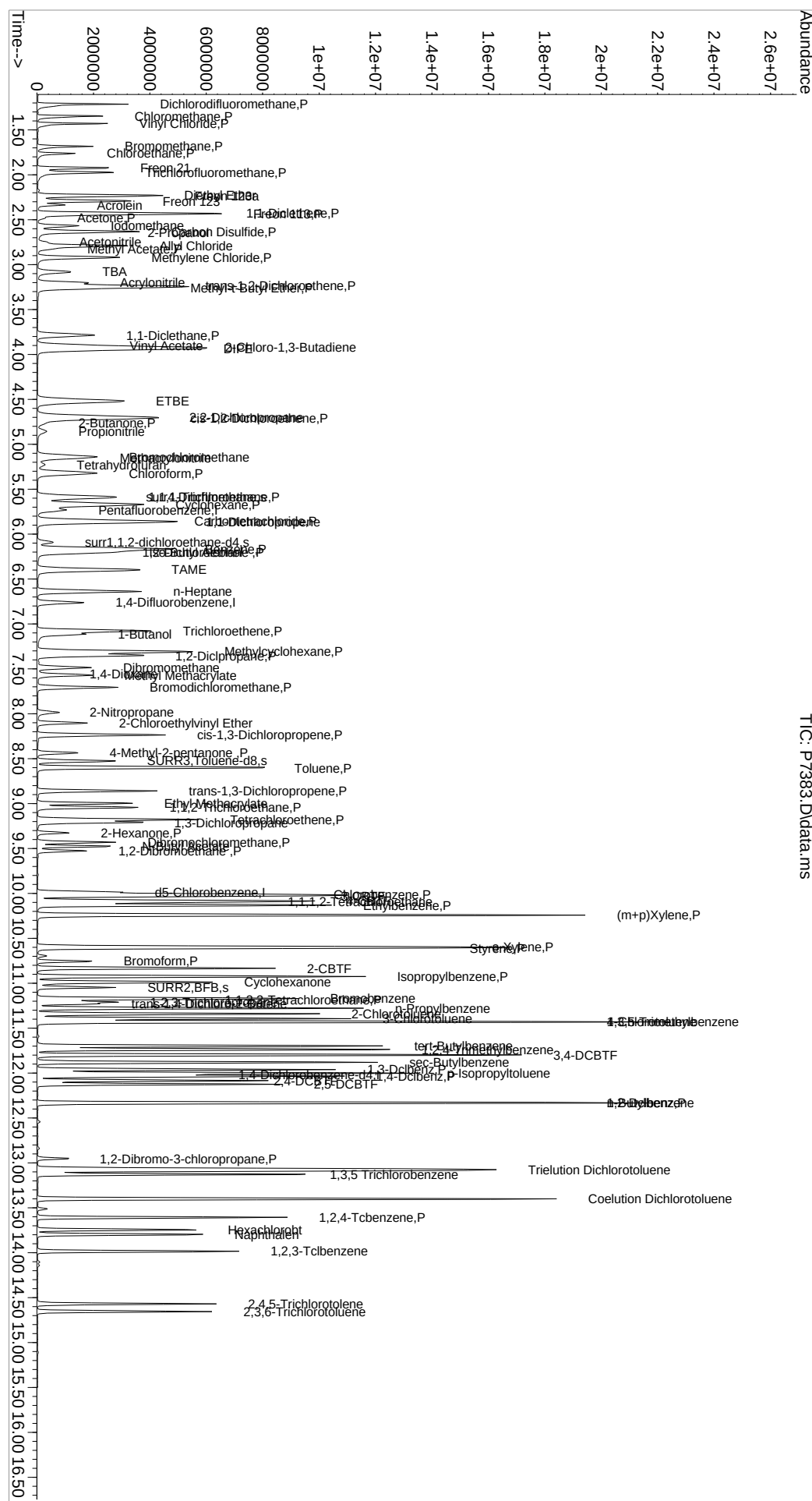
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.961	146	3155084	194.31	ppb	93
106) 1,4-Dclbenz	12.034	146	3119241	184.04	ppb	95
107) 2,4-DCBTF	12.089	214	1531690	203.78	ppb	95
108) 2,5-DCBTF	12.126	214	1644190	206.20	ppb	94
109) n-Butylbenzene	12.333	91	4705800	188.91	ppb	88
110) 1,2-Dclbenz	12.333	146	2938592	193.52	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.955	157	229487	196.06	ppb	94
112) Trielution Dichlorotol...	13.077	125	7606951	582.23	ppb	93
113) 1,3,5 Trichlorobenzene	13.132	180	2262388	195.34	ppb	98
114) Coelution Dichlorotoluene	13.400	125	5287687	374.59	ppb #	90
115) 1,2,4-Tcbenzene	13.607	180	1979214	196.40	ppb	96
116) Hexachlorobt	13.747	225	799761	174.27	ppb	95
117) Naphthalen	13.796	128	3534739	190.02	ppb	97
118) 1,2,3-Tclbenzene	13.985	180	1655452	199.52	ppb	99
119) 2,4,5-Trichlorotoluene	14.570	159	1228346	190.57	ppb	97
120) 2,3,6-Trichlorotoluene	14.656	159	1089331	202.90	ppb	90

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

Data Path : I:\ACQDATA\msvoa12\Data\010417\
 Data File : P7383.D
 Acq On : 4 Jan 2017 5:22 pm
 Operator : K.Ruest
 Sample : 200ppb
 Vial : 8260/624 WATER ICAL
 Sample Multiplier: 1

Inst : MSVOA-12

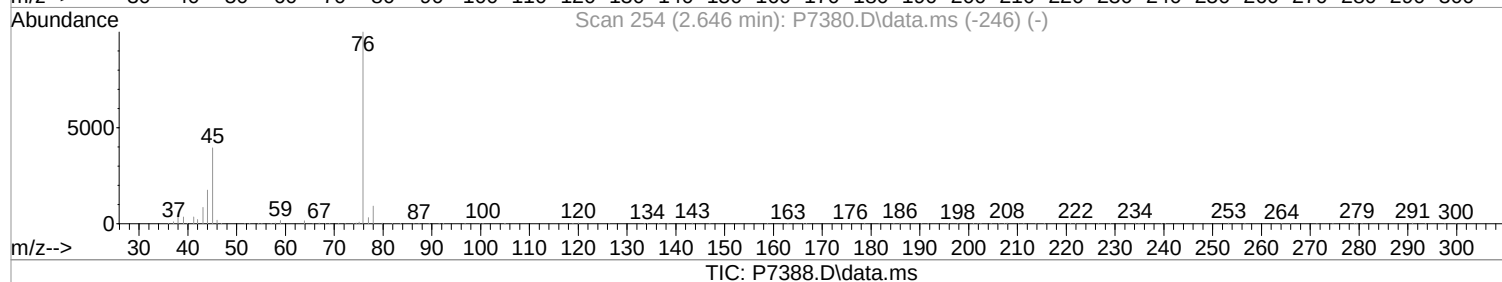
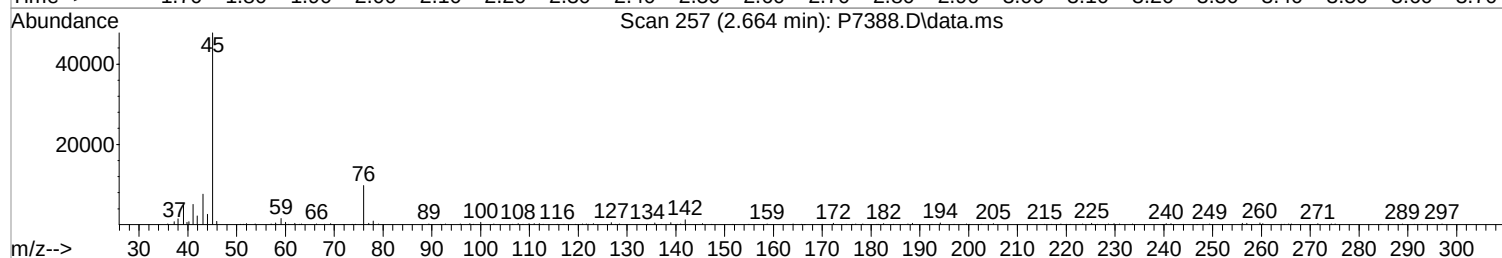
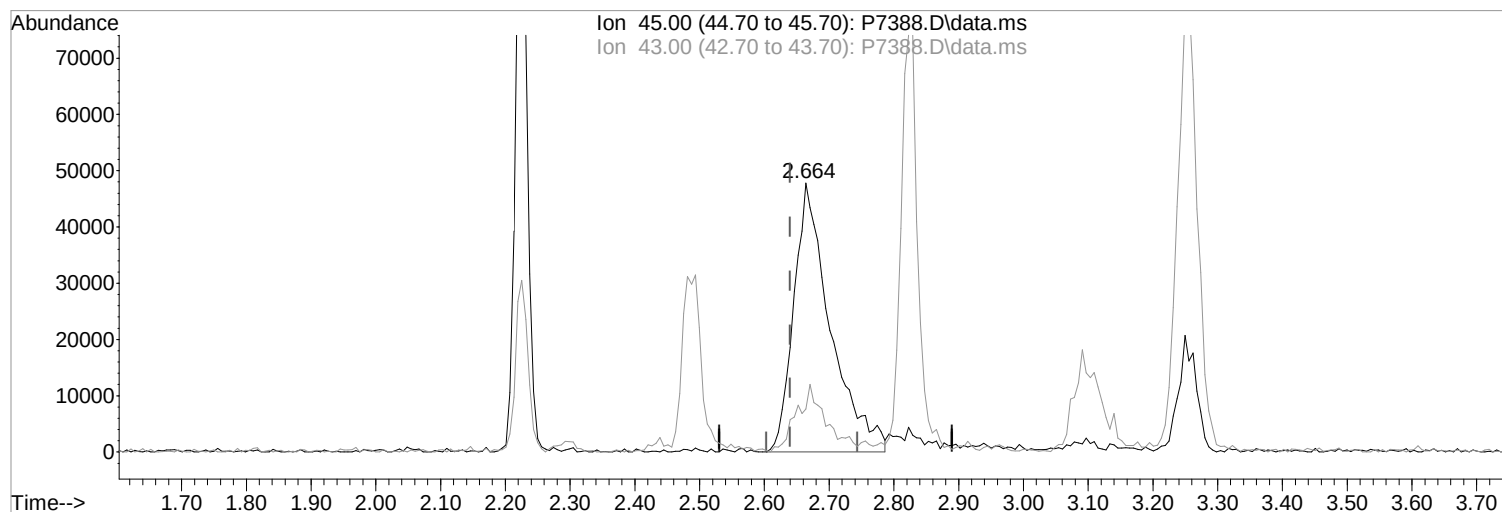
Quant Time: Jan 05 10:28:22 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 08:48:19 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7388.D
Acq On : 4 Jan 2017 7:51 pm
Operator : K.Ruest
Sample : ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:51:25 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(16) 2-Propanol

2.664min (+0.025) 948.44 ppb m

response 187386

Ion	Exp%	Act%
45.00	100	100
43.00	21.80	15.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

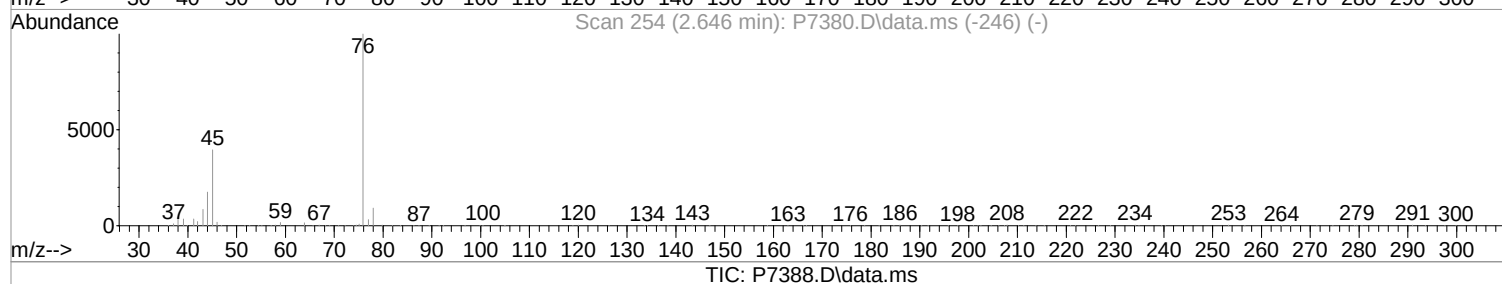
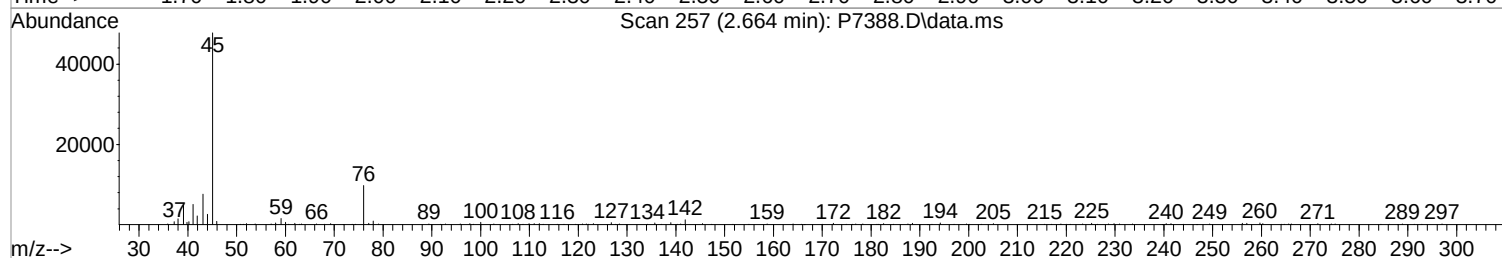
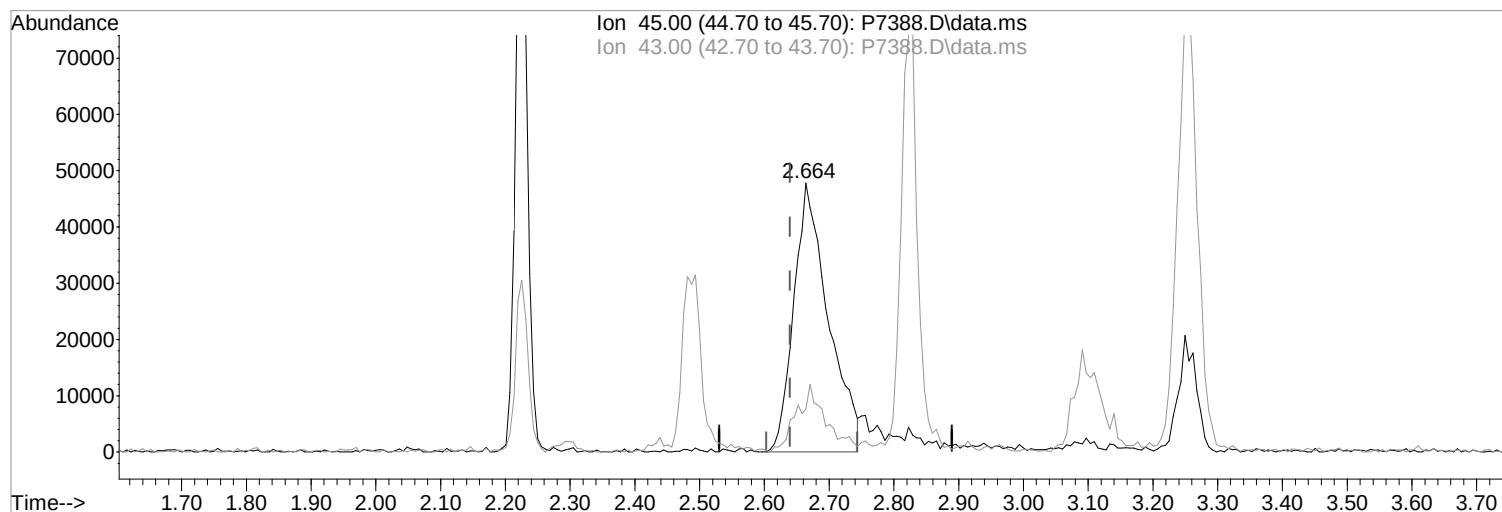
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7388.D
Acq On : 4 Jan 2017 7:51 pm
Operator : K.Ruest
Sample : ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:51:25 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(16) 2-Propanol

Manual Integration:

2.664min (+0.025) 891.65 ppb

Before

response 176166

Ion	Exp%	Act%
45.00	100	100
43.00	21.80	15.95
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

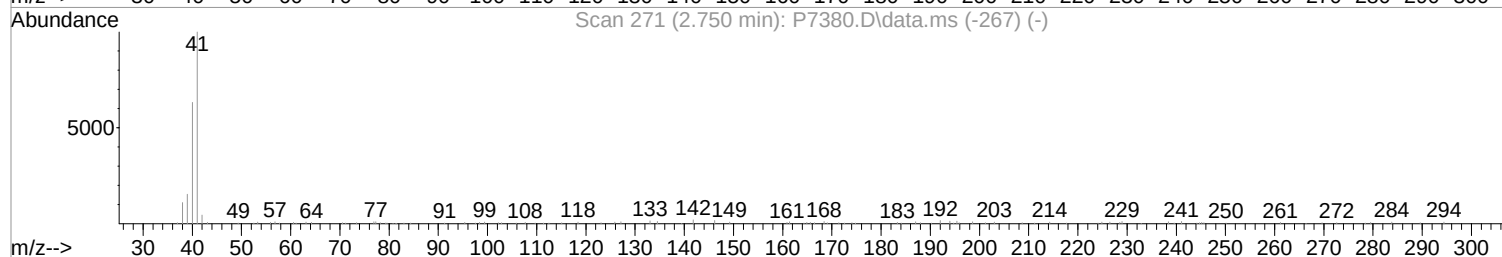
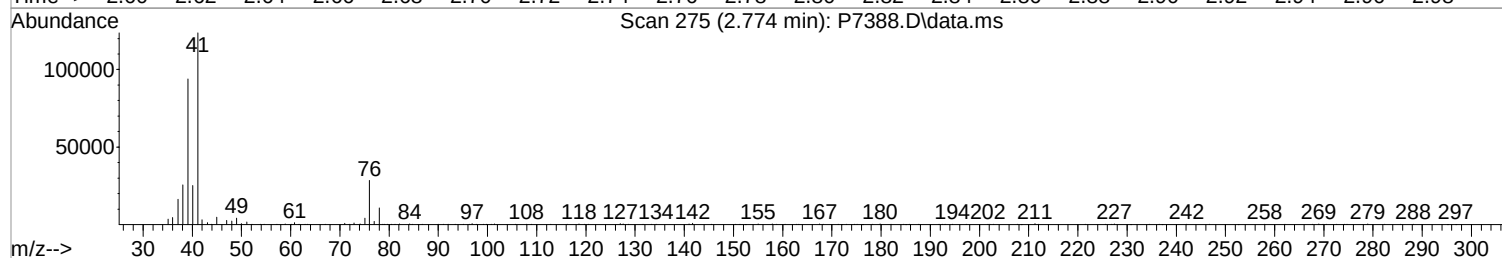
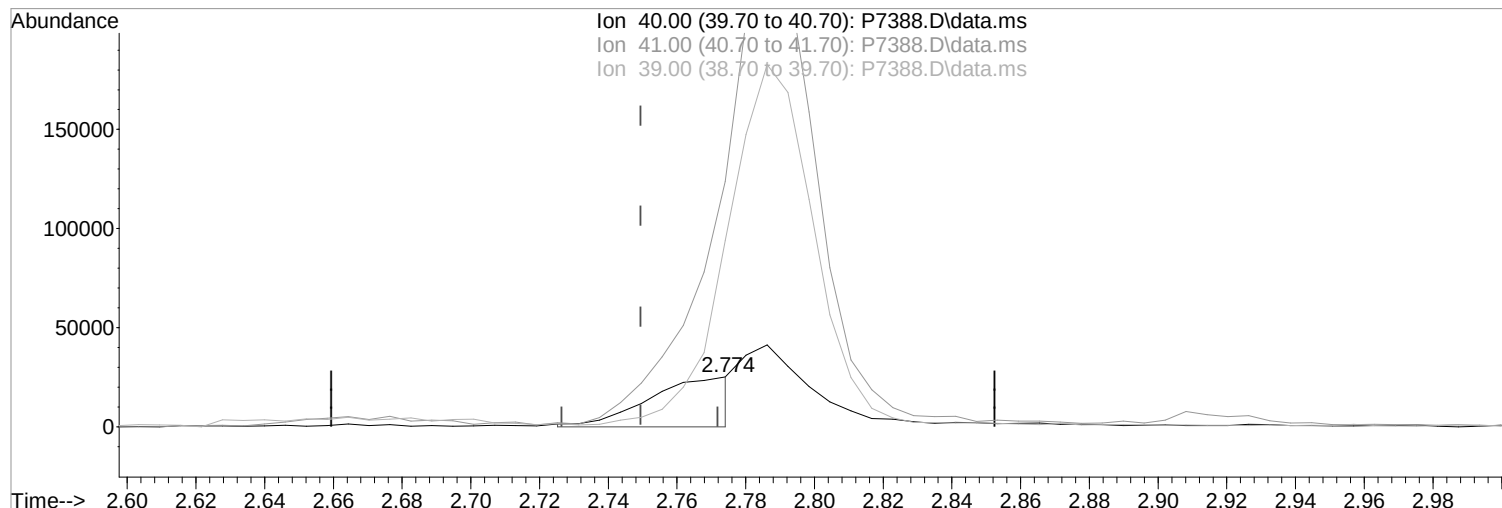
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7388.D
Acq On : 4 Jan 2017 7:51 pm
Operator : K.Ruest
Sample : ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:51:25 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P7388.D\data.ms

(19) Acetonitrile

2.774min (+0.025) 245.62 ppb m

response 41222

Ion	Exp%	Act%
40.00	100	100
41.00	161.50	492.52#
39.00	26.70	373.85#
0.00	0.00	0.00

Manual Integration:

After

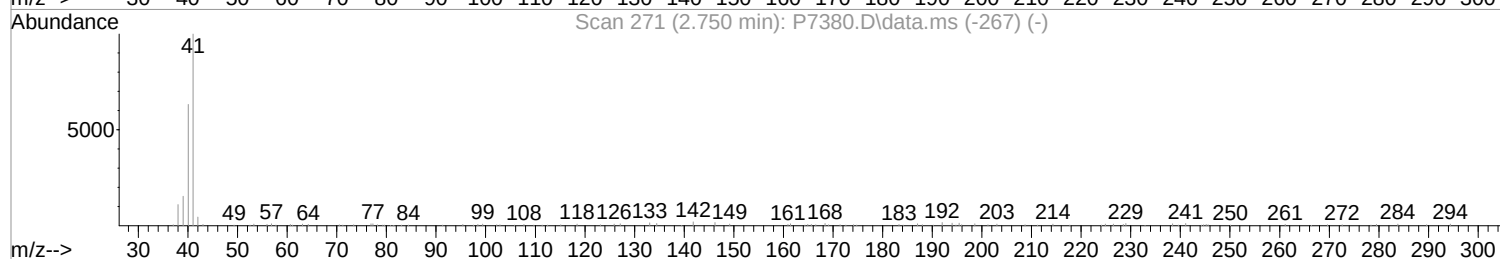
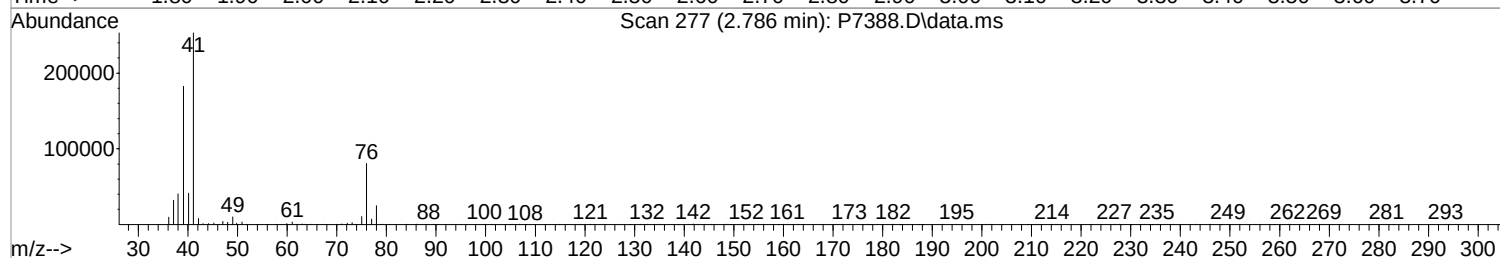
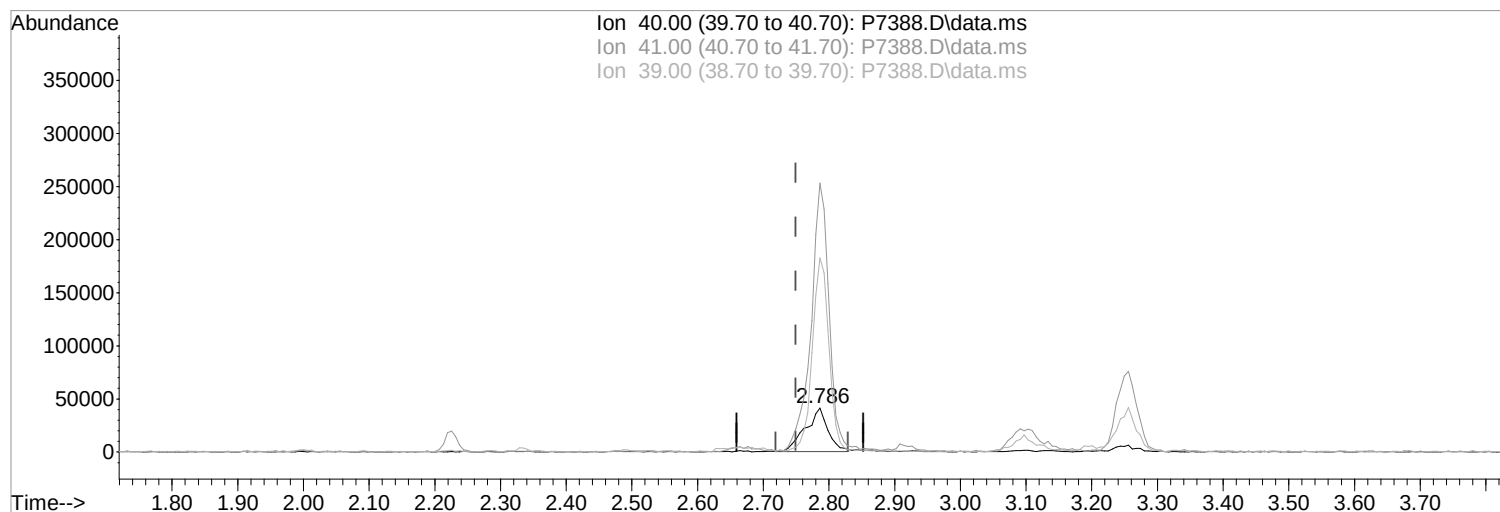
Poor integration.

01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7388.D
Acq On : 4 Jan 2017 7:51 pm
Operator : K.Ruest
Sample : ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:51:25 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P7388.D\data.ms

(19) Acetonitrile

Manual Integration:

2.786min (+0.037) 577.77 ppb

Before

response 96967

Ion	Exp%	Act%

01/05/17

40.00	100	100

41.00	161.50	613.52#

39.00	26.70	442.39#

0.00	0.00	0.00

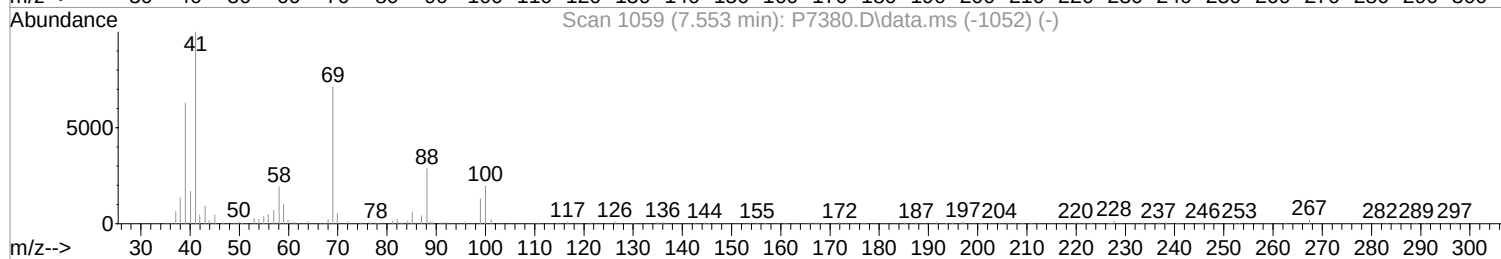
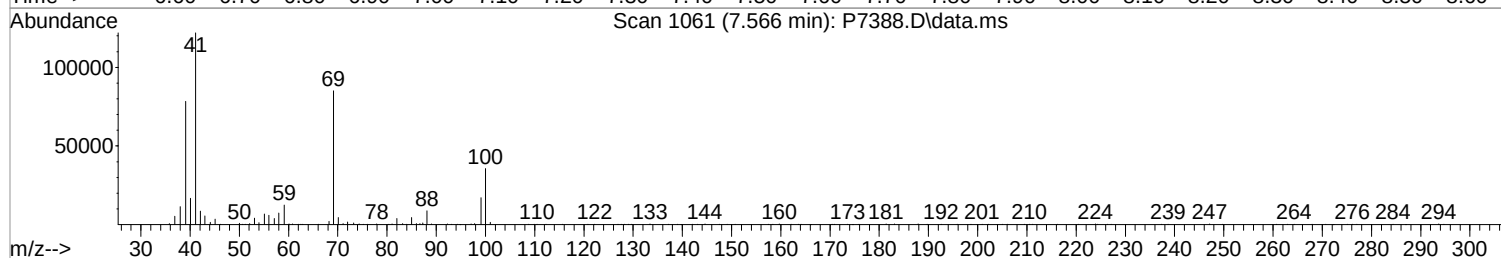
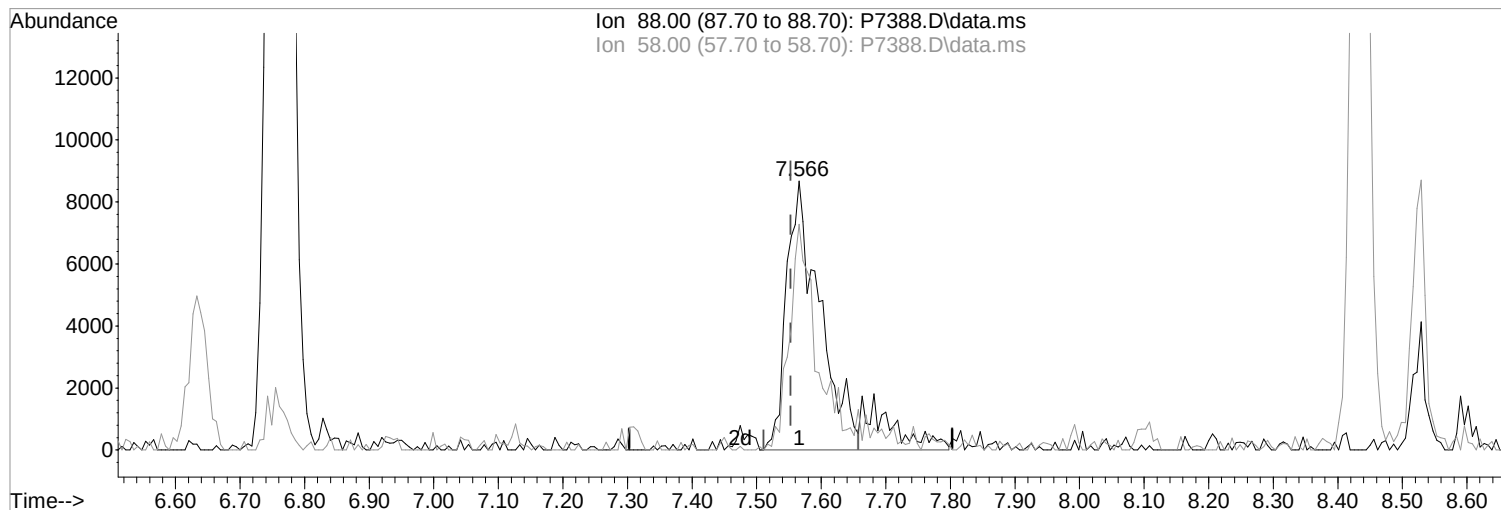
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7388.D
Acq On : 4 Jan 2017 7:51 pm
Operator : K.Ruest
Sample : ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:51:25 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P7388.D\data.ms

(58) 1,4-Dioxane

7.566min (+0.013) 857.15 ppb m

response 36380

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	83.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

01/05/17

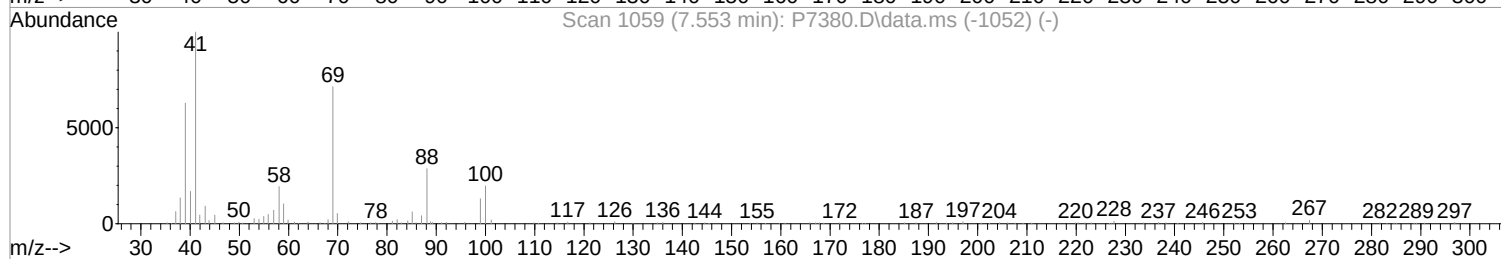
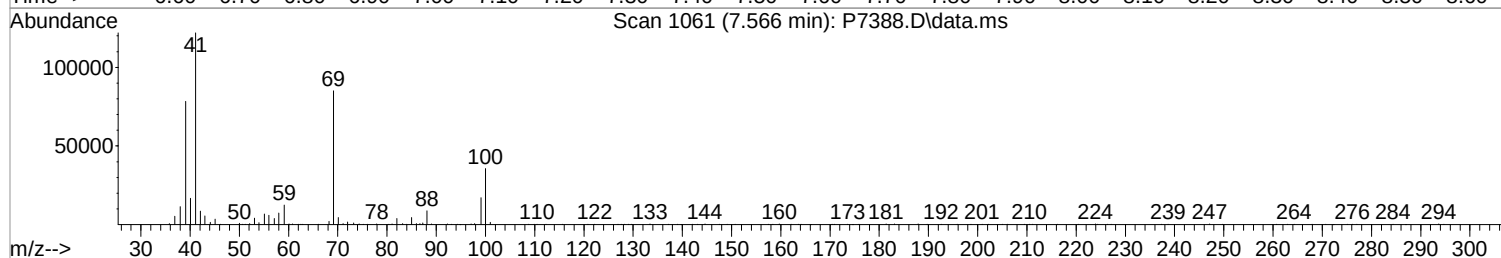
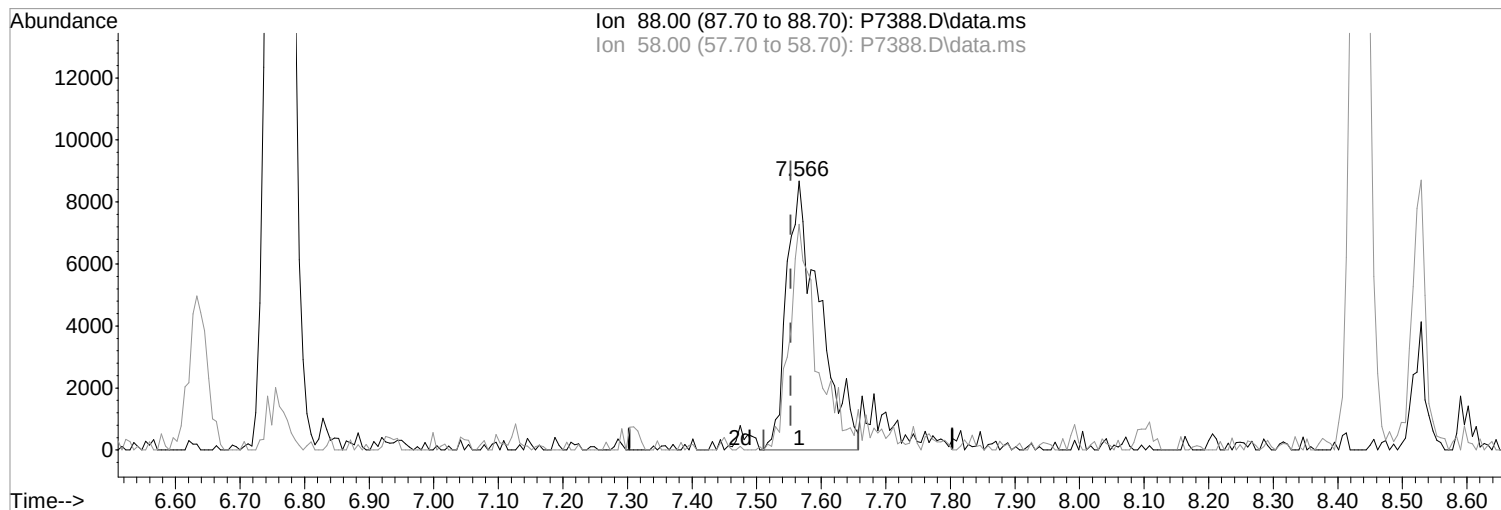
Quantitation Report (Qedit)

1st *FR* 01/05/17
2nd *FR* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7388.D
Acq On : 4 Jan 2017 7:51 pm
Operator : K.Ruest
Sample : ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:51:25 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P7388.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.566min (+0.013) 720.89 ppb

Before

response 30907

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	83.92
0.00	0.00	0.00
0.00	0.00	0.00

01/05/17

Evaluate Continuing Calibration Report

1st *RL* 01/05/17
2nd *FJ* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7388.D
 Acq On : 4 Jan 2017 7:51 pm
 Operator : K.Ruest
 Sample : ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:53:25 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.0000	50.0000	0.0	101	0.00
2 P	Dichlorodifluoromethane	50.0000	42.7217	14.6	82	0.00
3 P	Chloromethane	50.0000	43.7169	12.6	92	0.00
4 P	Vinyl Chloride	50.0000	49.1995	1.6	93	0.00
5 P	Bromomethane	50.0000	48.8853	2.2	90	0.00
6 P	Chloroethane	50.0000	44.0471	11.9	86	0.00
7	Freon 21	50.0000	48.8082	2.4	105	0.00
8 P	Trichlorofluoromethane	50.0000	48.3909	3.2	96	0.00
9	Diethyl Ether	50.0000	47.4453	5.1	92	0.00
10	Freon 123a	50.0000	50.2531	-0.5	112	0.00
11	Freon 123	50.0000	50.6481	-1.3	108	0.00
12	Acrolein	100 250.0000	90.2550	9.8	63.9#	37 0.00
13 P	1,1-Dicethene	50.0000	45.3312	9.3	94	0.00
14 P	Freon 113	50.0000	44.8240	10.4	89	0.00
15 P	Acetone	50.0000	53.8740	-7.7	116	0.01
16	2-Propanol	1000.0000	948.4383	5.2	95	0.02
17	Iodomethane	50.0000	52.1426	-4.3	99	0.00
18 P	Carbon Disulfide	50.0000	53.8146	-7.6	104	0.00
19	Acetonitrile	250.0000	245.6196	1.8	95	0.02
20	Allyl Chloride	50.0000	39.9742	20.1#	81	0.00
21 P	Methyl Acetate	50.0000	48.1126	3.8	94	0.00
22 P	Methylene Chloride	50.0000	44.3732	11.3	93	0.00
23	TBA	1000.0000	986.8107	1.3	96	0.01
24	Acrylonitrile	250.0000	236.4171	5.4	92	0.00
25 P	Methyl-t-Butyl Ether	50.0000	46.4071	7.2	94	0.00
26 P	trans-1,2-Dichloroethene	50.0000	44.6513	10.7	95	0.00
27	Halothane	-1.0000	0.0000	0.0	0	0.03
28 P	1,1-Dicethane	50.0000	45.9332	8.1	94	0.00
29	Vinyl Acetate	50.0000	43.8189	12.4	88	0.00
30	DIPE	50.0000	47.4296	5.1	95	0.00
31	2-Chloro-1,3-Butadiene	50.0000	56.2927	-12.6	112	0.00
32	ETBE	50.0000	48.4313	3.1	95	0.00
33	2,2-Dichloropropane	50.0000	45.4979	9.0	90	-0.01
34 P	cis-1,2-Dichloroethene	50.0000	44.8946	10.2	95	0.00
35 P	2-Butanone	50.0000	51.5237	-3.0	108	0.01
36	Propionitrile	250.0000	227.7344	8.9	104	0.00
37	Bromochloromethane	50.0000	46.9777	6.0	92	0.00
38	Methacrylonitrile	50.0000	44.6981	10.6	96	-0.01
39	Tetrahydrofuran	50.0000	50.3372	-0.7	104	0.00
40 P	Chloroform	50.0000	45.4711	9.1	92	0.00
41 P	1,1,1-Trichloroethane	50.0000	46.0963	7.8	97	0.00
42	TAME	50.0000	49.6751	0.6	96	0.00
43 I	1,4-Difluorobenzene	50.0000	50.0000	0.0	99	0.00
44 P	Cyclohexane	50.0000	45.6766	8.6	102	0.00
45 s	surr4,Dibrflmethane	50.0000	54.8310	-9.7	100	0.00
46 P	Carbontetrachloride	50.0000	44.7508	10.5	96	0.00
47	1,1-Dichloropropene	50.0000	47.3666	5.3	92	0.00
48 s	surr1,1,2-dichloroethane-d4	50.0000	54.8824	-9.8	100	0.00
49 P	Benzene	50.0000	49.4591	1.1	97	0.00
50 P	1,2-Dichloroethane	50.0000	46.8934	6.2	95	0.00
51	Iso-Butyl Alcohol	1000.0000	944.0277	5.6	90	0.00

Evaluate Continuing Calibration Report

1st *RL* 01/05/17
2nd *FJ* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7388.D
 Acq On : 4 Jan 2017 7:51 pm
 Operator : K.Ruest
 Sample : ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:53:25 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	n-Heptane	50.0000	47.7055	4.6	93	0.00
53	1-Butanol	2500.0000	2435.2625	2.6	94	0.00
54 P	Trichloroethene	50.0000	50.5648	-1.1	98	0.00
55 P	Methylcyclohexane	50.0000	47.6866	4.6	99	0.00
56 P	1,2-Dichloropropane	50.0000	46.3249	7.4	93	0.00
57	Dibromomethane	50.0000	47.1403	5.7	93	0.00
58	1,4-Dioxane	1000.0000	857.1495	14.3	88	0.01
59	Methyl Methacrylate	50.0000	49.3922	1.2	101	0.00
60 P	Bromodichloromethane	50.0000	45.7216	8.6	94	0.00
61	2-Nitropropane	100.0000	79.7110	20.3#	102	0.00
62	2-Chloroethylvinyl Ether	50.0000	57.2169	-14.4	112	0.00
63 P	cis-1,3-Dichloropropene	50.0000	50.4583	-0.9	94	0.00
64 P	4-Methyl-2-pentanone	50.0000	52.6463	-5.3	102	0.00
65 s	SURR3, Toluene-d8	50.0000	56.5392	-13.1	99	0.00
66 P	Toluene	50.0000	49.3224	1.4	94	0.00
67 P	trans-1,3-Dichloropropene	50.0000	52.4069	-4.8	95	0.00
68	Ethyl Methacrylate	50.0000	54.4887	-9.0	102	0.00
69 P	1,1,2-Trichloroethane	50.0000	50.4443	-0.9	97	0.00
70 s	SURR2, BFB	50.0000	57.2958	-14.6	99	0.00
71 I	d5-Chlorobenzene	50.0000	50.0000	0.0	100	0.00
72 P	Tetrachloroethene	50.0000	46.2808	7.4	92	0.00
73 P	2-Hexanone	50.0000	54.0708	-8.1	106	0.00
74	1,3-Dichloropropane	50.0000	46.4183	7.2	93	0.00
75 P	Dibromochloromethane	50.0000	51.0824	-2.2	101	0.00
76	N-Butyl Acetate	50.0000	47.6552	4.7	98	0.00
77 P	1,2-Dibromoethane	50.0000	49.8436	0.3	97	0.00
78 P	Chlorobenzene	50.0000	48.3188	3.4	97	0.00
79	3-CBTF	50.0000	47.1417	5.7	96	0.00
80	4-CBTF	50.0000	46.3264	7.3	93	0.00
81	1,1,1,2-Tetrachloroethane	50.0000	50.8531	-1.7	97	0.00
82 P	Ethylbenzene	50.0000	48.8847	2.2	99	0.00
83 P	(m+p)Xylene	100.0000	98.9505	1.0	96	0.00
84 P	o-Xylene	50.0000	50.1088	-0.2	98	0.00
85 P	Styrene	50.0000	50.0667	-0.1	94	0.00
86 I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	97	0.00
87 P	Bromoform	50.0000	50.1302	-0.3	101	0.00
88	2-CBTF	50.0000	46.1153	7.8	92	0.00
89 P	Isopropylbenzene	50.0000	51.2649	-2.5	99	0.00
90	Cyclohexanone	1000.0000	788.3349	21.2#	76	0.00
91	trans-1,4-Dichloro-2-Butene	50.0000	50.4971	-1.0	94	0.00
92 P	1,1,2,2-Tetrachloroethane	50.0000	46.2921	7.4	94	0.00
93	Bromobenzene	50.0000	48.5310	2.9	96	0.00
94	1,2,3-Trichloropropane	50.0000	43.9822	12.0	94	0.00
95	n-Propylbenzene	50.0000	52.4683	-4.9	96	0.00
96	2-Chlorotoluene	50.0000	49.9601	0.1	96	0.00
97	3-Chlorotoluene	50.0000	48.7085	2.6	92	0.00
98	4-Chlorotoluene	50.0000	50.0748	-0.1	95	0.00
99	1,3,5-Trimethylbenzene	50.0000	51.0383	-2.1	97	0.00
100	tert-Butylbenzene	50.0000	53.8088	-7.6	98	0.00
101	1,2,4-Trimethylbenzene	50.0000	50.2701	-0.5	95	0.00

Evaluate Continuing Calibration Report

1st *RL* 01/05/17
2nd *FJ* 01/05/17

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7388.D
 Acq On : 4 Jan 2017 7:51 pm
 Operator : K.Ruest
 Sample : ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:53:25 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	3,4-DCBTF	50.0000	47.4796	5.0	92	0.00
103	sec-Butylbenzene	50.0000	51.9163	-3.8	96	0.00
104	p-Isopropyltoluene	50.0000	54.2836	-8.6	100	0.00
105 P	1,3-Dclbenz	50.0000	49.8737	0.3	96	0.00
106 P	1,4-Dclbenz	50.0000	48.1274	3.7	97	0.00
107	2,4-DCBTF	50.0000	46.8497	6.3	95	0.00
108	2,5-DCBTF	50.0000	47.6996	4.6	92	0.00
109	n-Butylbenzene	50.0000	51.9154	-3.8	94	0.00
110 P	1,2-Dclbenz	50.0000	49.7442	0.5	97	0.00
111 P	1,2-Dibromo-3-chloropropane	50.0000	44.1661	11.7	95	0.00
112	Trielution Dichlorotoluene	150.0000	149.7150	0.2	93	0.00
113	1,3,5 Trichlorobenzene	50.0000	47.8904	4.2	95	0.00
114	Coelution Dichlorotoluene	100.0000	99.7693	0.2	93	0.00
115 P	1,2,4-Tcbenzene	50.0000	48.6941	2.6	95	0.00
116	Hexachlorobt	50.0000	42.3252	15.3	92	0.00
117	Naphthalen	50.0000	49.9735	0.1	95	0.00
118	1,2,3-Tclbenzene	50.0000	49.7474	0.5	96	0.00
119	2,4,5-Trichlorotoluene	50.0000	43.3521	13.3	89	0.00
120	2,3,6-Trichlorotoluene	50.0000	44.6433	10.7	84	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7388.D
 Acq On : 4 Jan 2017 7:51 pm
 Operator : K.Ruest
 Sample : ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:53:25 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.731	168	796557	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1253820	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1249714	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	704887	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	370969	54.83	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	109.66%	
48) surr1,1,2-dichloroetha...	6.090	65	412265	54.88	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	109.76%	
65) SURR3,Toluene-d8	8.523	98	1581531	56.54	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	113.08%	
70) SURR2,BFB	11.047	95	621035	57.30	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	114.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	414085	42.72	ppb	100
3) Chloromethane	1.341	50	379693	43.72	ppb	94
4) Vinyl Chloride	1.427	62	378490	49.20	ppb	98
5) Bromomethane	1.683	94	190051	48.89	ppb	93
6) Chloroethane	1.762	64	179499	44.05	ppb	88
7) Freon 21	1.921	67	475297	48.81	ppb	96
8) Trichlorofluoromethane	1.975	101	416909	48.39	ppb	96
9) Diethyl Ether	2.225	59	173670	47.45	ppb	92
10) Freon 123a	2.231	67	303747	50.25	ppb	94
11) Freon 123	2.286	83	352863	50.65	ppb	95
12) Acrolein	2.335	56	54409	90.26	ppb	93
13) 1,1-Dicethene	2.427	96	255794	45.33	ppb	95
14) Freon 113	2.439	101	273253	44.82	ppb	99
15) Acetone	2.494	43	63032	53.87	ppb	97
16) 2-Propanol	2.664	45	187386m	948.44	ppb	
17) Iodomethane	2.567	142	431786	52.14	ppb	96
18) Carbon Disulfide	2.628	76	925730	53.81	ppb	98
19) Acetonitrile	2.774	40	41222m	245.62	ppb	
20) Allyl Chloride	2.792	76	134512	39.97	ppb	95
21) Methyl Acetate	2.829	43	134175	48.11	ppb	96
22) Methylene Chloride	2.920	84	274400	44.37	ppb	89
23) TBA	3.091	59	322624	986.81	ppb	98
24) Acrylonitrile	3.201	53	322699	236.42	ppb	94
25) Methyl-t-Butyl Ether	3.256	73	690535	46.41	ppb	98
26) trans-1,2-Dichloroethene	3.237	96	292047	44.65	ppb	89
28) 1,1-Dicethane	3.786	63	503040	45.93	ppb	96
29) Vinyl Acetate	3.902	86	46729	43.82	ppb	# 79
30) DIPE	3.932	45	965014	47.43	ppb	93
31) 2-Chloro-1,3-Butadiene	3.920	53	528213	56.29	ppb	97
32) ETBE	4.518	59	835270	48.43	ppb	98
33) 2,2-Dichloropropane	4.688	77	392635	45.50	ppb	96
34) cis-1,2-Dichloroethene	4.707	96	312696	44.89	ppb	93
35) 2-Butanone	4.774	43	88656	51.52	ppb	98
36) Propionitrile	4.859	54	118653	227.73	ppb	97
37) Bromochloromethane	5.139	130	178787	46.98	ppb	96
38) Methacrylonitrile	5.139	67	75910	44.70	ppb	91
39) Tetrahydrofuran	5.231	42	55490	50.34	ppb	84
40) Chloroform	5.316	83	484321	45.47	ppb	96
41) 1,1,1-Trichloroethane	5.584	97	430497	46.10	ppb	95

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
 Data File : P7388.D
 Acq On : 4 Jan 2017 7:51 pm
 Operator : K.Ruest
 Sample : ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Jan 05 10:53:25 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	756731	49.68	ppb	97
44) Cyclohexane	5.664	41	299513	45.68	ppb	89
46) Carbontetrachloride	5.853	121	103357	44.75	ppb	98
47) 1,1-Dichloropropene	5.865	75	395656	47.37	ppb	95
49) Benzene	6.164	78	1097252	49.46	ppb	98
50) 1,2-Dichloroethane	6.200	62	367592	46.89	ppb	98
51) Iso-Butyl Alcohol	6.200	43	130607	944.03	ppb	# 67
52) n-Heptane	6.639	43	356464	47.71	ppb	92
53) 1-Butanol	7.121	56	195483	2435.26	ppb	95
54) Trichloroethene	7.072	130	327350	50.56	ppb	97
55) Methylcyclohexane	7.304	55	364311	47.69	ppb	94
56) 1,2-Dicloropropane	7.346	63	291129	46.32	ppb	99
57) Dibromomethane	7.487	93	150088	47.14	ppb	95
58) 1,4-Dioxane	7.566	88	36380m	857.15	ppb	
59) Methyl Methacrylate	7.566	69	148742	49.39	ppb	98
60) Bromodichloromethane	7.706	83	353080	45.72	ppb	98
61) 2-Nitropropane	7.980	41	48726	79.71	ppb	97
62) 2-Chloroethylvinyl Ether	8.102	63	172638	57.22	ppb	98
63) cis-1,3-Dichloropropene	8.236	75	456913	50.46	ppb	94
64) 4-Methyl-2-pentanone	8.431	43	208052	52.65	ppb	92
66) Toluene	8.596	91	1280930	49.32	ppb	98
67) trans-1,3-Dichloropropene	8.858	75	389444	52.41	ppb	99
68) Ethyl Methacrylate	8.992	69	313285	54.49	ppb	97
69) 1,1,2-Trichloroethane	9.041	97	222282	50.44	ppb	96
72) Tetrachloroethene	9.175	164	250873	46.28	ppb	97
73) 2-Hexanone	9.322	43	152149	54.07	ppb	97
74) 1,3-Dichloropropane	9.206	76	392558	46.42	ppb	99
75) Dibromochloromethane	9.431	129	246793	51.08	ppb	92
76) N-Butyl Acetate	9.474	43	327260	47.66	ppb	99
77) 1,2-Dibromoethane	9.523	107	219648	49.84	ppb	92
78) Chlorobenzene	10.010	112	848486	48.32	ppb	96
79) 3-CBTF	10.029	180	468328	47.14	ppb	96
80) 4-CBTF	10.077	180	422412	46.33	ppb	99
81) 1,1,1,2-Tetrachloroethane	10.096	131	293587	50.85	ppb	94
82) Ethylbenzene	10.126	106	477172	48.88	ppb	91
83) (m+p)Xylene	10.242	106	1138673	98.95	ppb	99
84) o-Xylene	10.596	106	574607	50.11	ppb	94
85) Styrene	10.608	104	959763	50.07	ppb	98
87) Bromoform	10.754	173	135603	50.13	ppb	98
88) 2-CBTF	10.833	180	447075	46.12	ppb	99
89) Isopropylbenzene	10.925	105	1476886	51.26	ppb	99
90) Cyclohexanone	10.986	55	399548	788.33	ppb	93
91) trans-1,4-Dichloro-2-B...	11.224	53	68586	50.50	ppb	86
92) 1,1,2,2-Tetrachloroethane	11.175	83	255207	46.29	ppb	96
93) Bromobenzene	11.169	156	379612	48.53	ppb	94
94) 1,2,3-Trichloropropane	11.205	110	77631	43.98	ppb	91
95) n-Propylbenzene	11.272	91	1745107	52.47	ppb	99
96) 2-Chlorotoluene	11.339	91	1000192	49.96	ppb	99
97) 3-Chlorotoluene	11.388	91	1081227	48.71	ppb	98
98) 4-Chlorotoluene	11.431	91	1168972	50.07	ppb	98
99) 1,3,5-Trimethylbenzene	11.425	105	1274696	51.04	ppb	99
100) tert-Butylbenzene	11.699	119	1100081	53.81	ppb	99
101) 1,2,4-Trimethylbenzene	11.736	105	1288476	50.27	ppb	99
102) 3,4-DCBTF	11.797	214	356706	47.48	ppb	98
103) sec-Butylbenzene	11.876	105	1559731	51.92	ppb	97
104) p-Isopropyltoluene	11.998	119	1365002	54.28	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\010417\
Data File : P7388.D
Acq On : 4 Jan 2017 7:51 pm
Operator : K.Ruest
Sample : ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA-12

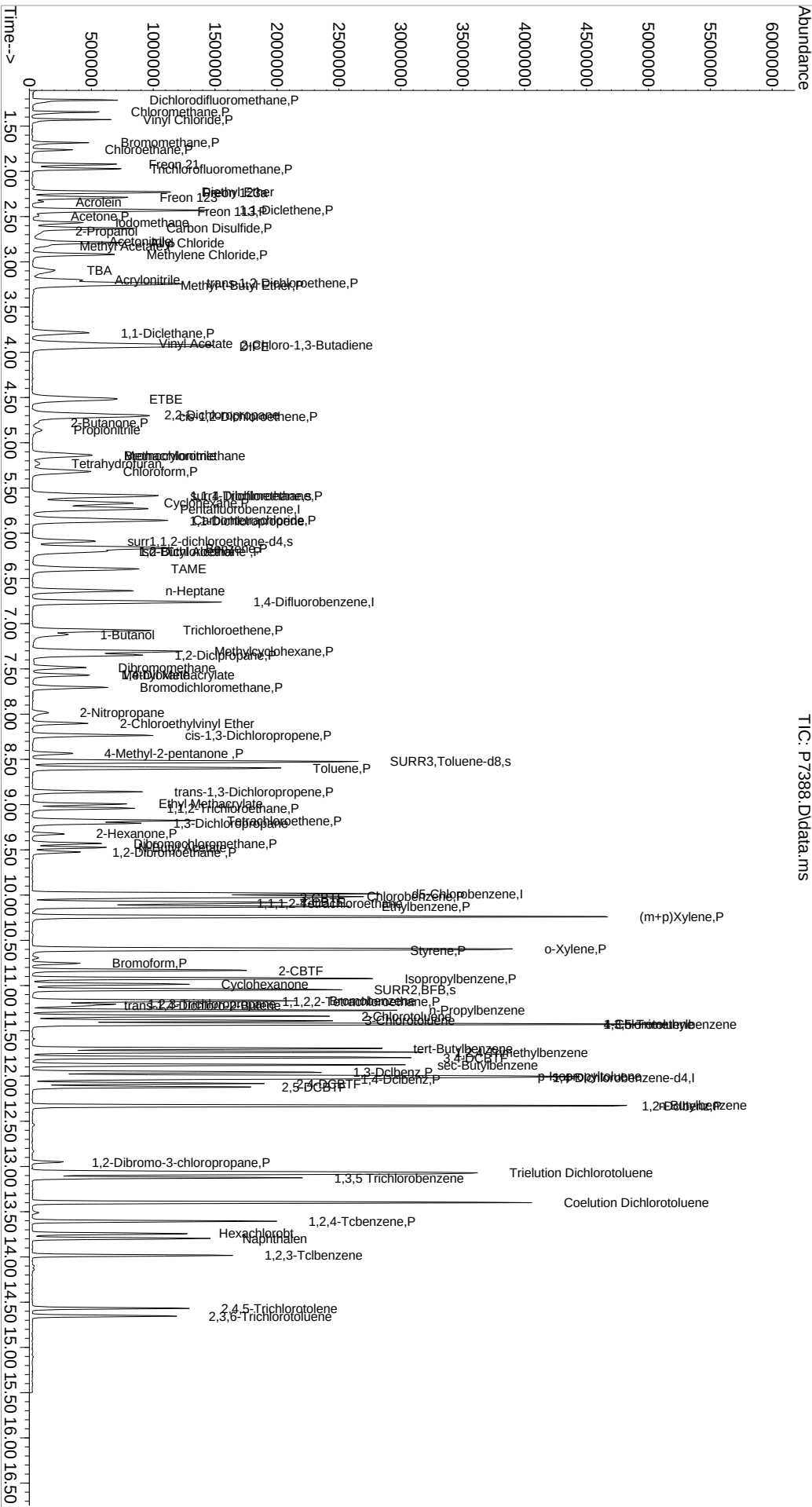
Quant Time: Jan 05 10:53:25 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.961	146	745582	49.87	ppb	98
106) 1,4-Dclbenz	12.034	146	750987	48.13	ppb	98
107) 2,4-DCBTF	12.083	214	324203	46.85	ppb	98
108) 2,5-DCBTF	12.126	214	350178	47.70	ppb	95
109) n-Butylbenzene	12.327	91	1190667	51.92	ppb	97
110) 1,2-Dclbenz	12.333	146	695425	49.74	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.955	157	47594	44.17	ppb	86
112) Trielution Dichlorotol...	13.071	125	1800873	149.72	ppb	99
113) 1,3,5 Trichlorobenzene	13.126	180	510660	47.89	ppb	97
114) Coelution Dichlorotoluene	13.400	125	1296599	99.77	ppb	99
115) 1,2,4-Tcbenzene	13.607	180	451774	48.69	ppb	99
116) Hexachlorobt	13.741	225	178827	42.33	ppb	96
117) Naphthalen	13.796	128	855850	49.97	ppb	98
118) 1,2,3-Tclbenzene	13.985	180	380025	49.75	ppb	99
119) 2,4,5-Trichlorotoluene	14.570	159	257323	43.35	ppb	96
120) 2,3,6-Trichlorotoluene	14.656	159	220605	44.64	ppb	94

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

1st 01/05/17
 2nd 01/05/17
 Data Path : I:\ACQDATA\msvoa12\Data\010417\
 Data File : P7388.D
 Acq On : 4 Jan 2017 7:51 pm
 Operator : K.Ruest
 Sample : ICV
 PALS Vial : 16 Sample Multiplier: 1
 Inst : MSVOA-12

Quant Time: Jan 05 10:53:25 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration



ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton

Service Request: R1702494
Calibration Date: 1/4/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700007
Instrument ID: R-MS-12

Signal ID: 1

#	Lab Code	Sample Name	File Location	Aquisition Date
01	RC1700007-01	0.5ppb	I:\ACQUDATA\msvoa12\Data\010417\P7375.D	01/04/2017 13:23
02	RC1700007-02	1.0ppb	I:\ACQUDATA\msvoa12\Data\010417\P7376.D	01/04/2017 13:53
03	RC1700007-03	2.0ppb	I:\ACQUDATA\msvoa12\Data\010417\P7377.D	01/04/2017 14:23
04	RC1700007-04	5.0ppb	I:\ACQUDATA\msvoa12\Data\010417\P7378.D	01/04/2017 14:53
05	RC1700007-05	20ppb	I:\ACQUDATA\msvoa12\Data\010417\P7379.D	01/04/2017 15:23
06	RC1700007-06	50ppb	I:\ACQUDATA\msvoa12\Data\010417\P7380.D	01/04/2017 15:53
07	RC1700007-07	100ppb	I:\ACQUDATA\msvoa12\Data\010417\P7381.D	01/04/2017 16:22
08	RC1700007-08	150ppb	I:\ACQUDATA\msvoa12\Data\010417\P7382.D	01/04/2017 16:52
09	RC1700007-09	200ppb	I:\ACQUDATA\msvoa12\Data\010417\P7383.D	01/04/2017 17:22

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7116	01	0.500	0.7116	02	1.000	0.6312	02	1.000	0.6312
03	2.000	0.5233	03	2.000	0.5233	04	5.000	0.5705	04	5.000	0.5705
05	20.000	0.5458	05	20.000	0.5458	06	50.000	0.5661	06	50.000	0.5661
07	100.000	0.5718	07	100.000	0.5718	08	150.000	0.5749	08	150.000	0.5749
09	200.000	0.5807	09	200.000	0.5807						

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7533	01	0.500	0.7533	02	1.000	0.7705	02	1.000	0.7705
03	2.000	0.6639	03	2.000	0.6639	04	5.000	0.6745	04	5.000	0.6745
05	20.000	0.6385	05	20.000	0.6385	06	50.000	0.6818	06	50.000	0.6818
07	100.000	0.6706	07	100.000	0.6706	08	150.000	0.6707	08	150.000	0.6707
09	200.000	0.663	09	200.000	0.663						

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4397	01	0.500	0.4397	02	1.000	0.3317	02	1.000	0.3317
03	2.000	0.3428	03	2.000	0.3428	04	5.000	0.3336	04	5.000	0.3336
05	20.000	0.3261	05	20.000	0.3261	06	50.000	0.3457	06	50.000	0.3457
07	100.000	0.3535	07	100.000	0.3535	08	150.000	0.3568	08	150.000	0.3568
09	200.000	0.3578	09	200.000	0.3578						

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2545	01	0.500	0.2545	02	1.000	0.204	02	1.000	0.204
03	2.000	0.2053	03	2.000	0.2053	04	5.000	0.22	04	5.000	0.22
05	20.000	0.2092	05	20.000	0.2092	06	50.000	0.2173	06	50.000	0.2173
07	100.000	0.2171	07	100.000	0.2171	08	150.000	0.2133	08	150.000	0.2133
09	200.000	0.2111	09	200.000	0.2111						

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2396	01	0.500	0.2396	02	1.000	0.2569	02	1.000	0.2569

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton

Service Request: R1702494
Calibration Date: 1/4/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700007
Instrument ID: R-MS-12

Signal ID: 1

Analyte

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.2835	03	2.000	0.2835	04	5.000	0.2618	04	5.000	0.2618
05	20.000	0.2456	05	20.000	0.2456	06	50.000	0.2638	06	50.000	0.2638
07	100.000	0.2611	07	100.000	0.2611	08	150.000	0.2594	08	150.000	0.2594
09	200.000	0.2518	09	200.000	0.2518						

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3798	01	0.500	0.3798	02	1.000	0.471	02	1.000	0.471
03	2.000	0.4781	03	2.000	0.4781	04	5.000	0.4848	04	5.000	0.4848
05	20.000	0.4998	05	20.000	0.4998	06	50.000	0.5177	06	50.000	0.5177
07	100.000	0.504	07	100.000	0.504	08	150.000	0.5041	08	150.000	0.5041
09	200.000	0.5066	09	200.000	0.5066						

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.526	01	0.500	0.526	02	1.000	0.4464	02	1.000	0.4464
03	2.000	0.4549	03	2.000	0.4549	04	5.000	0.4465	04	5.000	0.4465
05	20.000	0.3942	05	20.000	0.3942	06	50.000	0.4199	06	50.000	0.4199
07	100.000	0.4188	07	100.000	0.4188	08	150.000	0.4163	08	150.000	0.4163
09	200.000	0.4118	09	200.000	0.4118						

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4917	01	0.500	0.4917	02	1.000	0.4426	02	1.000	0.4426
03	2.000	0.4272	03	2.000	0.4272	04	5.000	0.3995	04	5.000	0.3995
05	20.000	0.3801	05	20.000	0.3801	06	50.000	0.3909	06	50.000	0.3909
07	100.000	0.3874	07	100.000	0.3874	08	150.000	0.3877	08	150.000	0.3877
09	200.000	0.3878	09	200.000	0.3878						

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	50.000	0.4962	06	50.000	0.4962	03	60.000	0.4578	03	60.000	0.4578
04	70.000	0.4332	04	70.000	0.4332	05	100.000	0.4049	05	100.000	0.4049
07	125.000	0.4082	07	125.000	0.4082	08	150.000	0.3933	08	150.000	0.3933

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	50.000	0.2944	06	50.000	0.2944	03	60.000	0.2876	03	60.000	0.2876
04	70.000	0.2775	04	70.000	0.2775	05	100.000	0.2577	05	100.000	0.2577
07	125.000	0.2537	07	125.000	0.2537	08	150.000	0.2479	08	150.000	0.2479

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	50.000	1.266	06	50.000	1.266	03	60.000	1.193	03	60.000	1.193
04	70.000	1.158	04	70.000	1.158	05	100.000	1.06	05	100.000	1.06
07	125.000	1.03	07	125.000	1.03	08	150.000	0.9847	08	150.000	0.9847

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton

Service Request: R1702494
Calibration Date: 1/4/2017

Initial Calibration Summary Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700007

Signal ID: 1

Instrument ID: R-MS-12

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	9.4	≤20	0.5862	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	6.4	≤20	0.6874	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	9.6	≤20	0.3542	0.100
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	7.0	≤20	0.2169	0.200
Trichloroethene (TCE)	TRG	Average RF	% RSD	4.8	≤20	0.2582	0.200
Vinyl Chloride	TRG	Average RF	% RSD	8.6	≤20	0.4829	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	8.8	≤20	0.4372	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	9.0	≤20	0.4106	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.0	≤20	0.4322	
Dibromofluoromethane	SURR	Average RF	% RSD	7.2	≤20	0.2698	
Toluene-d8	SURR	Average RF	% RSD	9.7	≤20	1.115	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton

Service Request: R1702494
Calibration Date: 1/4/2017

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700007
Instrument ID: R-MS-12

Signal ID: 1

#	Lab Code	Sample Name	File Location	Aquisition Date
10	RC1700007-10	ICV	I:\ACQUDATA\msvoa12\Data\010417\P7388.D	01/04/2017 19:51

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.1	5.862E-1	5.404E-1	-7.807	±30	Average RF
1,1,1-Trichloroethane (TCA)	50.0	46.1	5.862E-1	5.404E-1	-7.807	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.9	6.874E-1	6.315E-1	-8.134	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.9	6.874E-1	6.315E-1	-8.134	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	45.3	3.542E-1	3.211E-1	-9.338	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	45.3	3.542E-1	3.211E-1	-9.338	±30	Average RF
Tetrachloroethene (PCE)	50.0	46.3	2.169E-1	2.007E-1	-7.438	±30	Average RF
Tetrachloroethene (PCE)	50.0	46.3	2.169E-1	2.007E-1	-7.438	±30	Average RF
Trichloroethene (TCE)	50.0	50.6	2.582E-1	2.611E-1	1.13	±30	Average RF
Trichloroethene (TCE)	50.0	50.6	2.582E-1	2.611E-1	1.13	±30	Average RF
Vinyl Chloride	50.0	49.2	4.829E-1	4.752E-1	-1.601	±30	Average RF
Vinyl Chloride	50.0	49.2	4.829E-1	4.752E-1	-1.601	±30	Average RF
cis-1,2-Dichloroethene	50.0	44.9	4.372E-1	3.926E-1	-10.211	±30	Average RF
cis-1,2-Dichloroethene	50.0	44.9	4.372E-1	3.926E-1	-10.211	±30	Average RF
trans-1,2-Dichloroethene	50.0	44.7	4.106E-1	3.666E-1	-10.697	±30	Average RF
trans-1,2-Dichloroethene	50.0	44.7	4.106E-1	3.666E-1	-10.697	±30	Average RF
4-Bromofluorobenzene	50.0	57.3	4.322E-1	4.953E-1	14.59	±30	Average RF
4-Bromofluorobenzene	50.0	57.3	4.322E-1	4.953E-1	14.59	±30	Average RF
Dibromofluoromethane	50.0	54.8	2.698E-1	2.959E-1	9.66	±30	Average RF
Dibromofluoromethane	50.0	54.8	2.698E-1	2.959E-1	9.66	±30	Average RF
Toluene-d8	50.0	56.5	1.115E0	1.261E0	13.08	±30	Average RF
Toluene-d8	50.0	56.5	1.115E0	1.261E0	13.08	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 12:11

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa12\Data\032417\P8659.D\

Calibration Date: 1/4/2017
Calibration ID: RC1700007
Analysis Lot: 539250
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.6	0.5862	0.5463	-6.8	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.8	0.6874	0.6571	-4.4	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.2	0.3542	0.3484	-1.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	44.1	0.2169	0.1915	-11.7	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.6	0.2582	0.2508	-2.9	NA	±20	Average RF
Vinyl Chloride	50.0	43.8	0.4829	0.4226	-12.5	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.4	0.4372	0.4234	-3.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	47.6	0.4106	0.391	-4.8	NA	±20	Average RF
4-Bromofluorobenzene	50.0	52.9	0.4322	0.4576	5.9	NA	±20	Average RF
Dibromofluoromethane	50.0	54.5	0.2698	0.2942	9.0	NA	±20	Average RF
Toluene-d8	50.0	55.8	1.1155	1.2451	11.6	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analysis Lot: 539250
Instrument ID: R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	11:42:00	
P8658.D\					
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P8659.D\					
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P8660.D\					
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P8662.D\					
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P8663.D\					
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P8669.D\					
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P8670.D\					
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P8672.D\					
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P8674.D\					
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P8675.D\					
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P8676.D\					
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P8677.D\					
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P8678.D\					
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P8679.D\					
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P8680.D\					

Analysis: 8260 waters Analyst: VJQuest pH strips: 223016 Tune Method: 12010417
 Date: 3/24/17 Balance ID: P-07 ResCl strips: N/A Run Method: ↓
 Instr. 12 50 mL Class A used for dilution FV Syringes: 177417 LIMS Run#: 539252

Data Path: j:\acqdata\msvooq\InstID\ (Date)

Pos.	Sample	Diln.	Diln. Prep/	RL	Tier	Vial	pH	File#	OK?	Comments
1	Spent cev (test)		(new traps)					P8056		
2	↓							P8057		
3	↓							P8058		
4	cev		PQ1702498-01					P8059		(centr) 11:42
5	Lees		02					P8060		
6	WBU		03					P8061		
7	↓		04					P8062		not c/o
8	P1702494-004	1.0		7979	u	1	6	P8063	Y	
9	↓	007				1	6	P8064	Y	
10	↓	009				1	6	P8065	Y	
11	↓	010				1	6.2	P8066	Y	
12	P1702498-003	10	5/50mL			1	-	P8067	Y	*dil. for matrix - dark purple
13	↓	002	20/50mL			1	6	P8068	Y	*fatty
14	↓	004	10/50mL			1	6	P8069	Y	*fatty
15	↓	006	1.0			1	7	P8070	Y	
16	↓	001	1.0			1+2	6	P8071	Y	*sediment
17	↓	013	1.0			1	8	P8072	Y	
18	P1702494-001	1.0				1	8	P8073	Y	
19	↓	002				1	7	P8074	Y	
20	↓	005	1.0			1	7	P8075	Y	
21	↓	006	1.0			1	7	P8076	Y	
22	↓	008	1.0			1	7	P8077	Y	
23	↓	003	1.0			1	6.2	P8078	Y	
24	ms	003	PQ1702498-05			2	6.2	P8079	Y	
25	↓ msd	003	06			3	6.2	P8080	Y	22:43 ✓
26	BK						-	P8081	-	

All samples = 10 mL + 1 uL combined IS/Surr. 10 mL purged

Combined IS/Surr 500 : 150099

500 Primary Oct : 150103
 Primary Fr+ : 150031
 Primary HSL : 170914
 Primary Tb : 150020
 Primary

300 Secondary Oct : 170949 - 5uL
 Secondary Fr+ : 150100
 Secondary Tb : 170975
 Secondary HSL : 170923
 Secondary

Surrogate :
 Internal Std :
 Reagents :
 vial = ms 10

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/21/17 16:45
Date Received: 03/23/17 09:15

Sample Name: MW-10
Lab Code: R1702494-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.77 J	1.0	0.36	1	03/24/17 21:43	
1,1-Dichloroethane (1,1-DCA)	0.74 J	1.0	0.20	1	03/24/17 21:43	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 21:43	
Tetrachloroethene (PCE)	0.70 J	1.0	0.30	1	03/24/17 21:43	
Trichloroethene (TCE)	5.0	1.0	0.22	1	03/24/17 21:43	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 21:43	
cis-1,2-Dichloroethene	2.6	1.0	0.30	1	03/24/17 21:43	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 21:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/24/17 21:43	
Dibromofluoromethane	112	89 - 119	03/24/17 21:43	
Toluene-d8	111	87 - 121	03/24/17 21:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1702494
Date Collected: 03/22/17
Date Received: 03/23/17 09:15

Sample Name: Trip Blank 2
Lab Code: R1702494-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

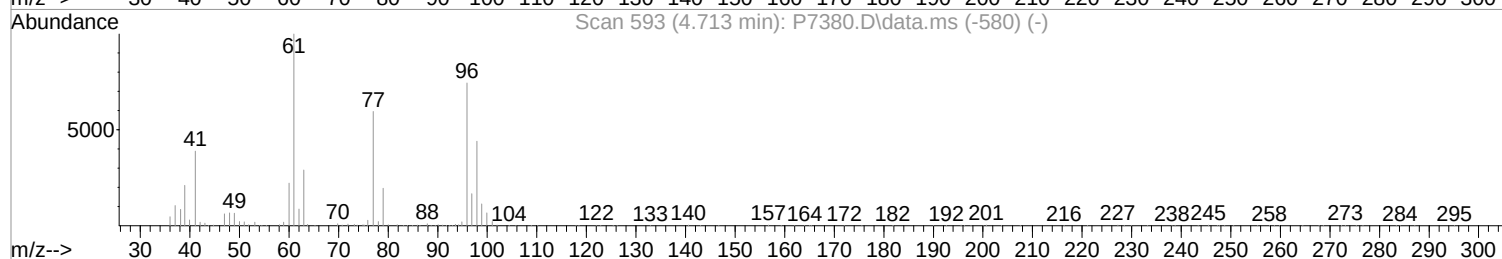
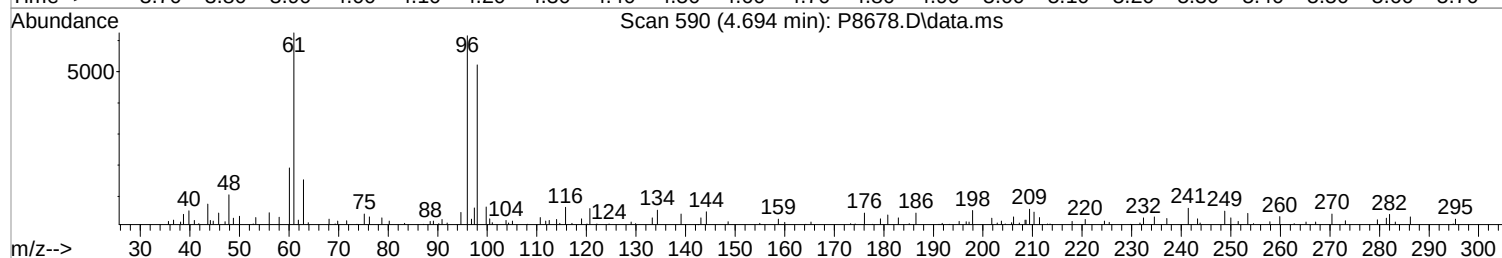
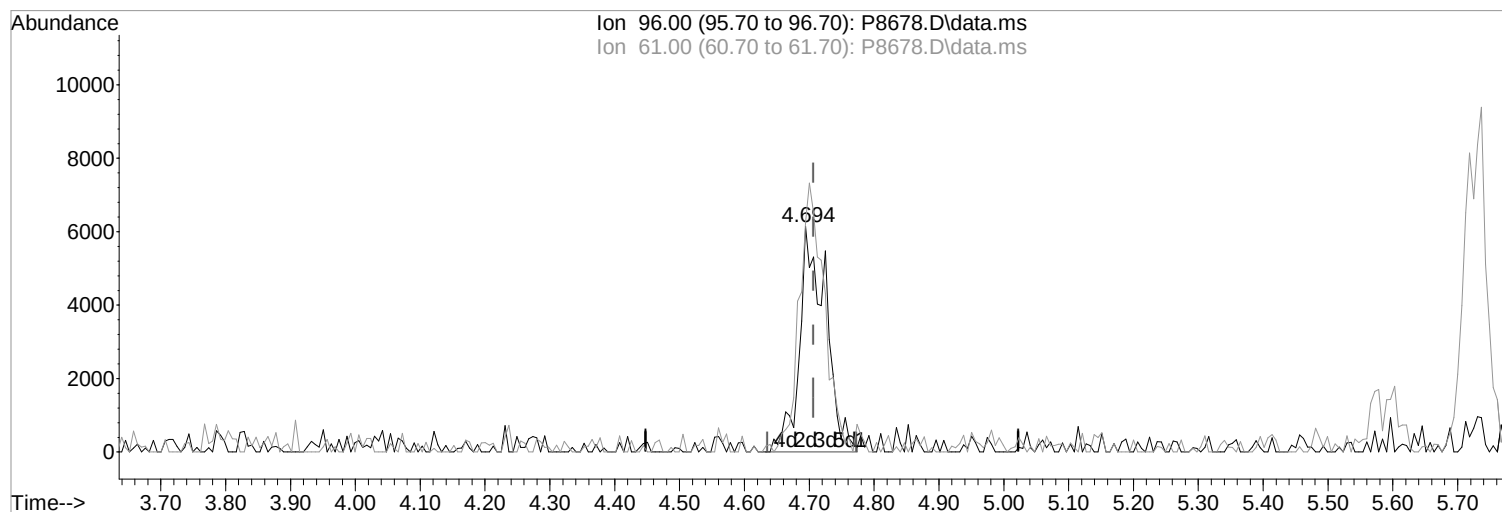
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	03/24/17 15:41	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	03/24/17 15:41	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	03/24/17 15:41	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	03/24/17 15:41	
Trichloroethene (TCE)	ND U	1.0	0.22	1	03/24/17 15:41	
Vinyl Chloride	ND U	1.0	0.32	1	03/24/17 15:41	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	03/24/17 15:41	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	03/24/17 15:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	03/24/17 15:41	
Dibromofluoromethane	110	89 - 119	03/24/17 15:41	
Toluene-d8	109	87 - 121	03/24/17 15:41	

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8678.D
Acq On : 24 Mar 2017 9:43 pm
Operator : K.Ruest
Sample : R1702494-003|1.0
Misc : VERINA 8260 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:10:44 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8678.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.694min (-0.012) 2.56 ppb m

response 17379

Ion	Exp%	Act%
96.00	100	100
61.00	134.80	101.66#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

03/27/17

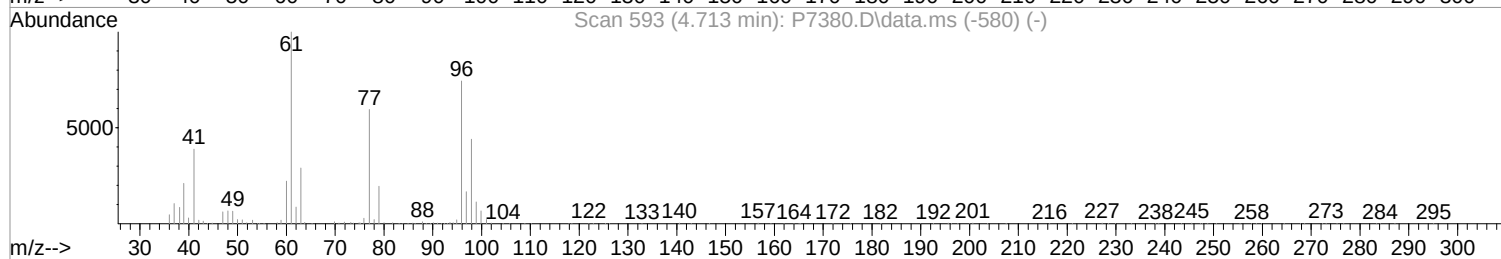
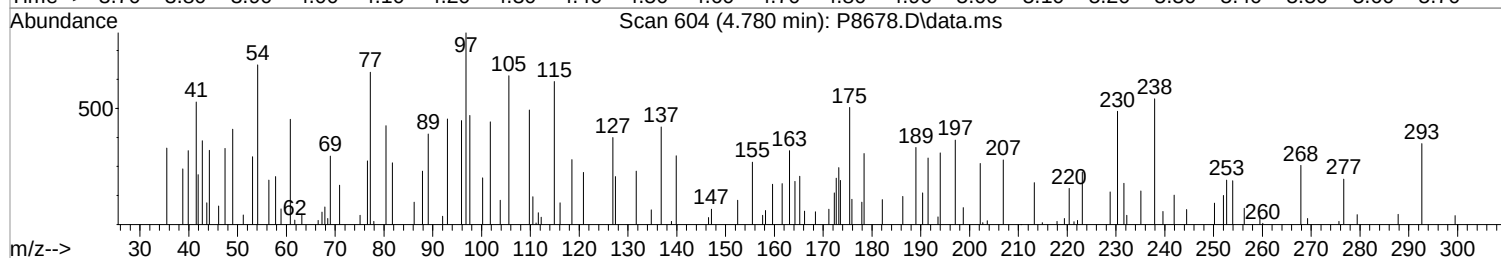
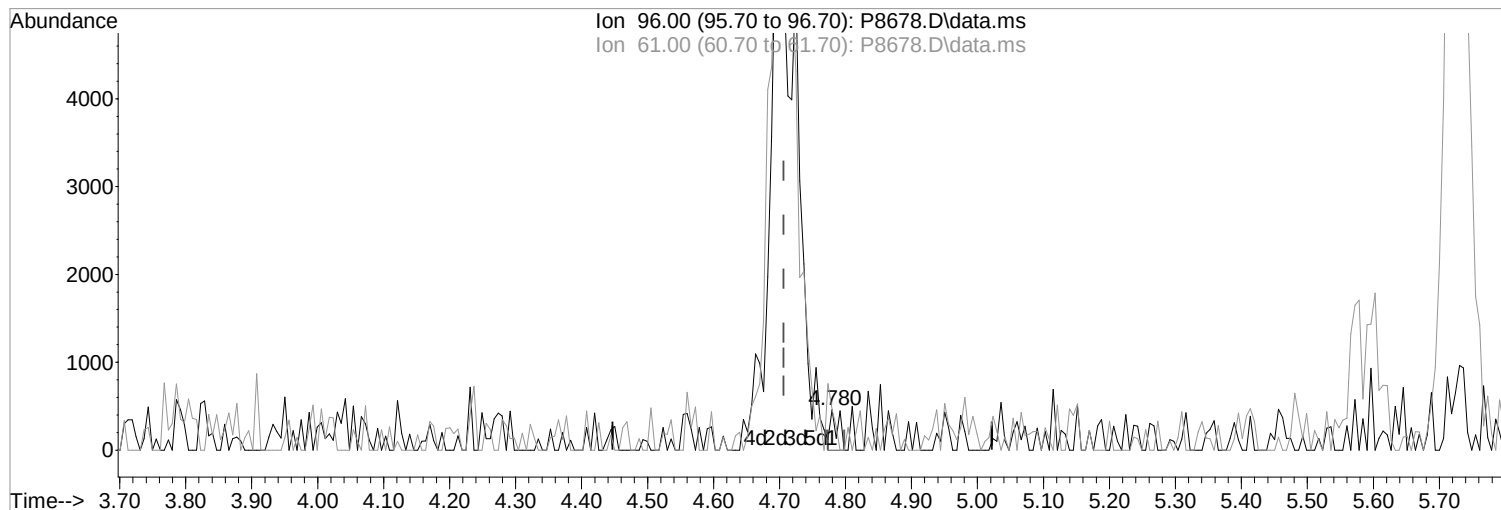
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8678.D
Acq On : 24 Mar 2017 9:43 pm
Operator : K.Ruest
Sample : R1702494-003|1.0
Misc : VERINA 8260 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:10:44 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8678.D\data.ms

(34) cis-1,2-Dichloroethene (P)

Manual Integration:

4.780min (+0.073) 0.06 ppb

Before

response 381

Ion	Exp%	Act%
96.00	100	100
61.00	134.80	126.20
0.00	0.00	0.00
0.00	0.00	0.00

03/27/17

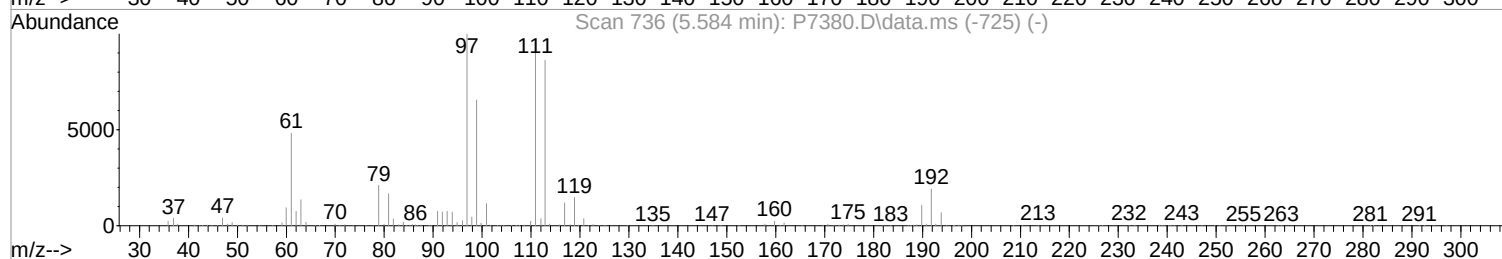
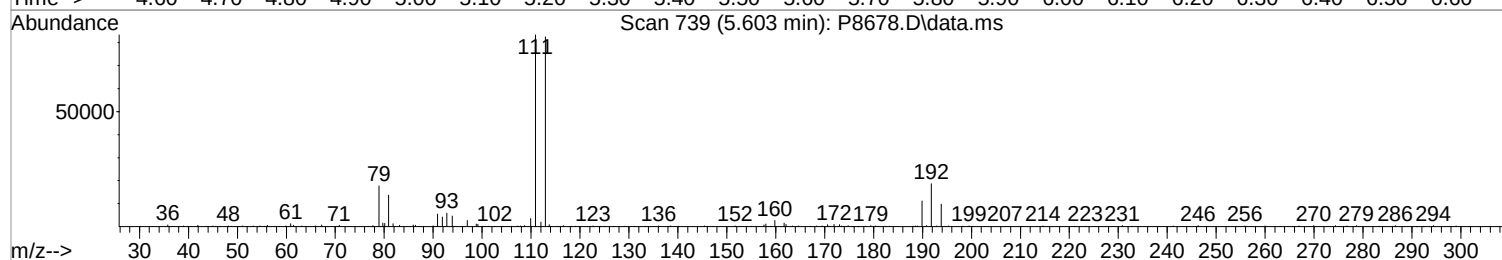
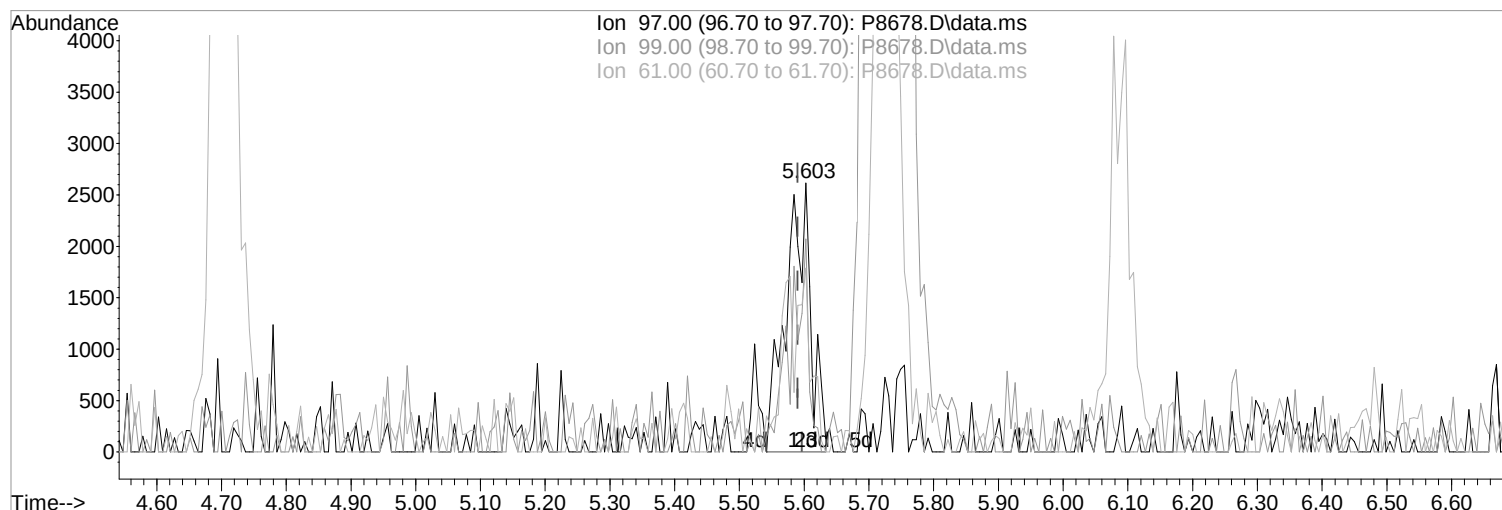
Quantitation Report (Qedit)

1st *12* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8678.D
Acq On : 24 Mar 2017 9:43 pm
Operator : K.Ruest
Sample : R1702494-003|1.0
Misc : VERINA 8260 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:10:44 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8678.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.603min (+0.012) 0.77 ppb m

response 7016

Ion	Exp%	Act%
97.00	100	100
99.00	65.50	42.70#
61.00	48.10	48.20
0.00	0.00	0.00

Manual Integration:

After

Split Peak

03/27/17

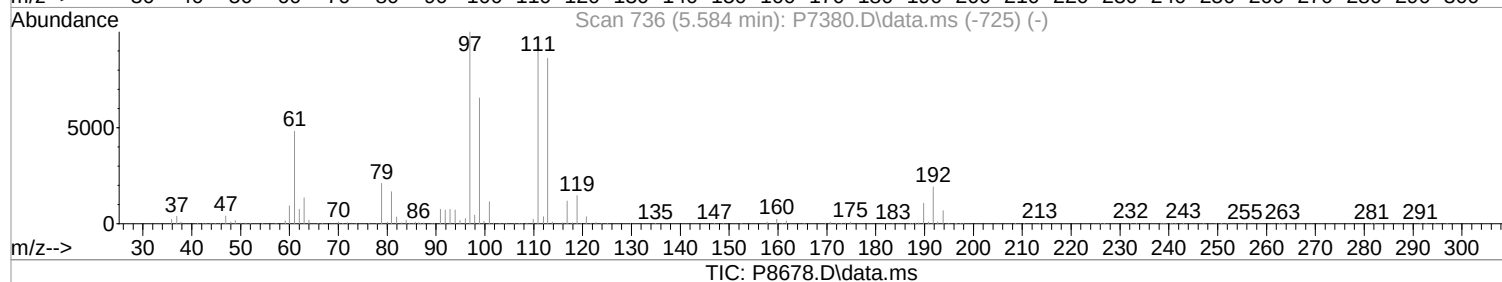
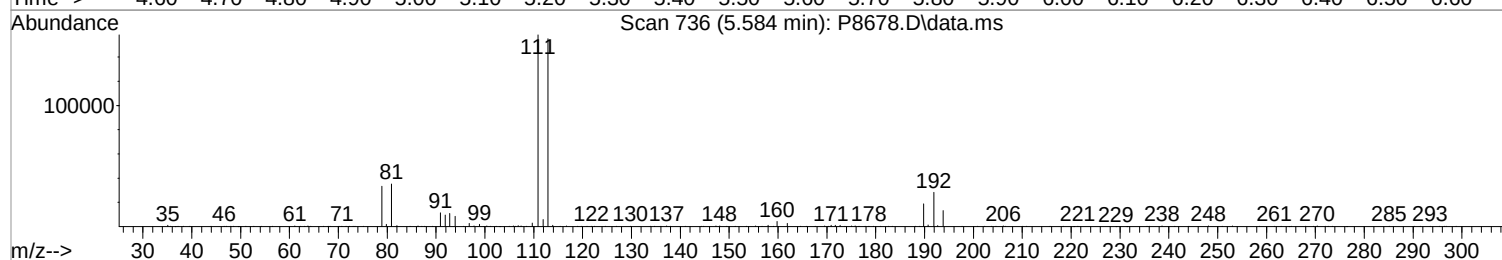
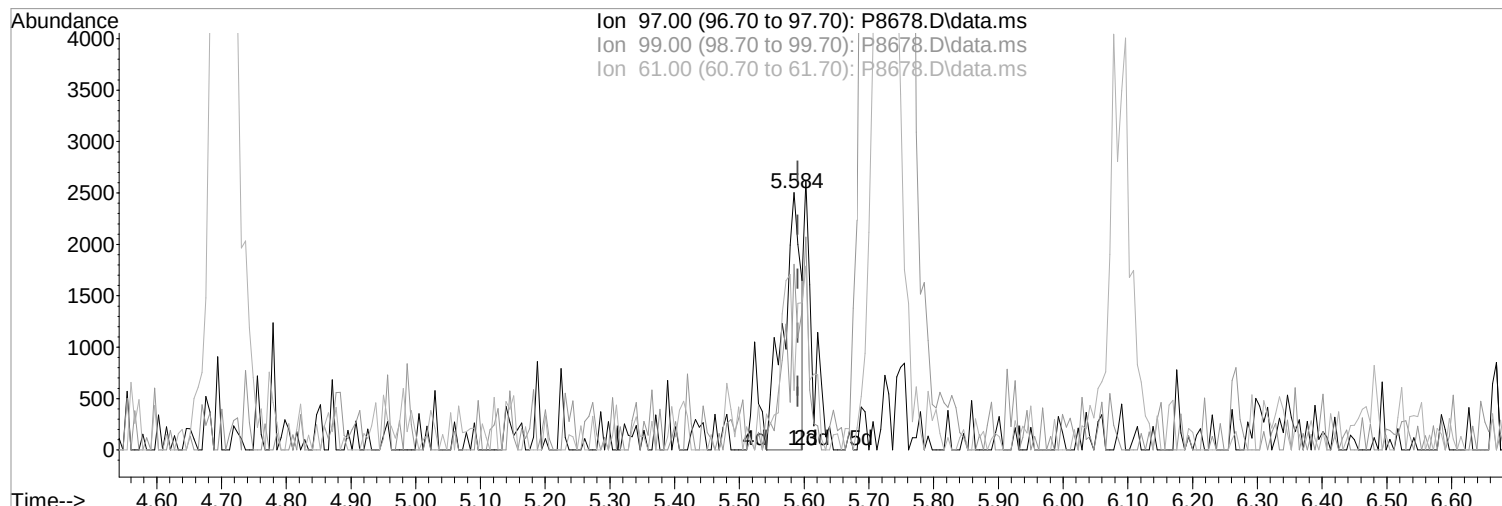
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8678.D
Acq On : 24 Mar 2017 9:43 pm
Operator : K.Ruest
Sample : R1702494-003|1.0
Misc : VERINA 8260 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:10:44 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



(41) 1,1,1-Trichloroethane (P)

Manual Integration:

5.584min (-0.006) 0.51 ppb

Before

response 4685

Ion	Exp%	Act%
97.00	100	100
99.00	65.50	72.14
61.00	48.10	23.22#
0.00	0.00	0.00

03/27/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8678.D
 Acq On : 24 Mar 2017 9:43 pm
 Operator : K.Ruest
 Sample : R1702494-003|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA-12

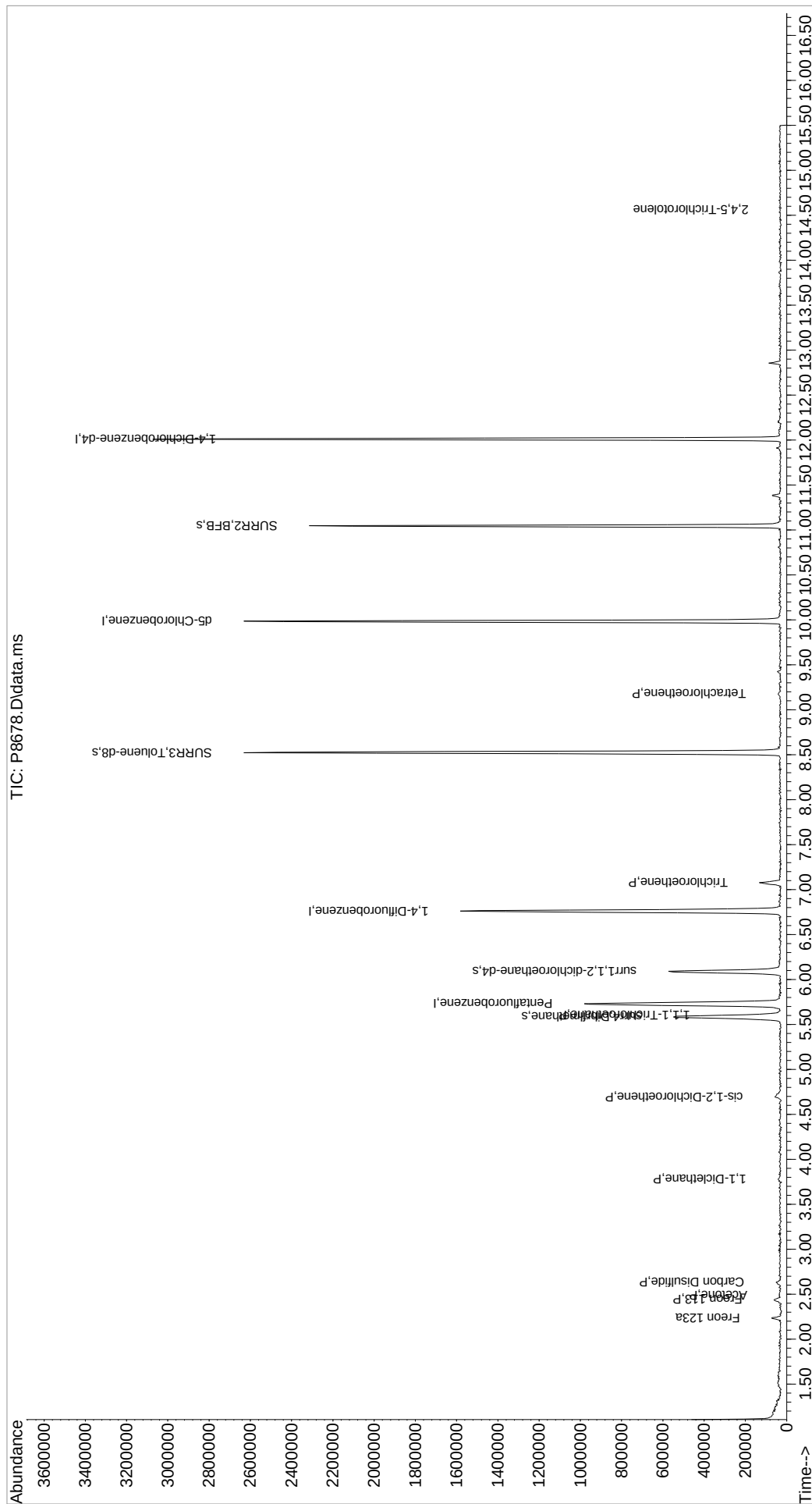
Quant Time: Mar 27 11:39:15 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

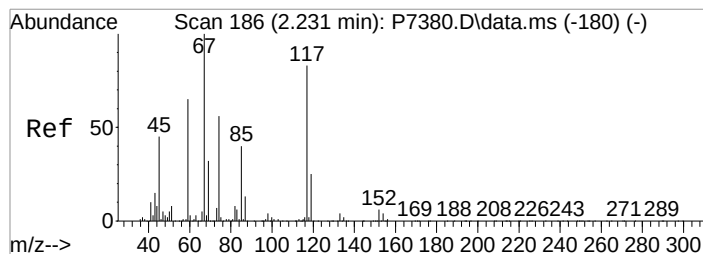
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	776130	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1267266	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1154691	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	600729	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	384151	56.18	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 112.36%			
48) surr1,1,2-dichloroetha...	6.090	65	422590	55.66	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 111.32%			
65) SURR3,Toluene-d8	8.523	98	1563281	55.29	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 110.58%			
70) SURR2,BFB	11.047	95	557801	50.92	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.84%			
Target Compounds						
10) Freon 123a	2.231	67	15067	2.56	ppb	Qvalue 85
14) Freon 113	2.439	101	11273	1.90	ppb	# 58
15) Acetone	2.487	43	5929	5.20	ppb	94
18) Carbon Disulfide	2.634	76	21365	1.27	ppb	95
28) 1,1-Dicethane	3.780	63	7892	0.74	ppb	71
34) cis-1,2-Dichloroethene	4.694	96	17379m	2.56	ppb	
41) 1,1,1-Trichloroethane	5.603	97	7016m	0.77	ppb	
54) Trichloroethene	7.078	130	32760	5.01	ppb	# 79
72) Tetrachloroethene	9.175	164	3490	0.70	ppb	87
119) 2,4,5-Trichlorotolene	14.564	159	1081	0.21	ppb	# 62

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

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8678.D
Acq On : 24 Mar 2017 9:43 pm
Operator : K.Ruest
Sample : R1702494-003|1.0
Misc : VERINA 8260 T4
ALS Vial : 23 Sample Multiplier: 1
Inst : MSV0A-12

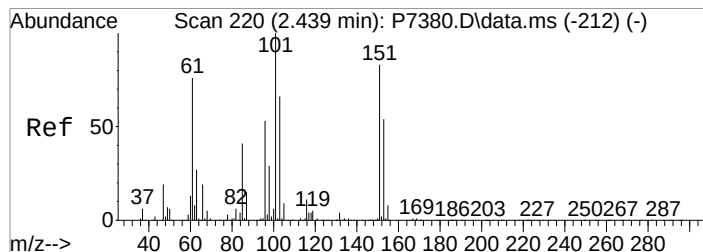
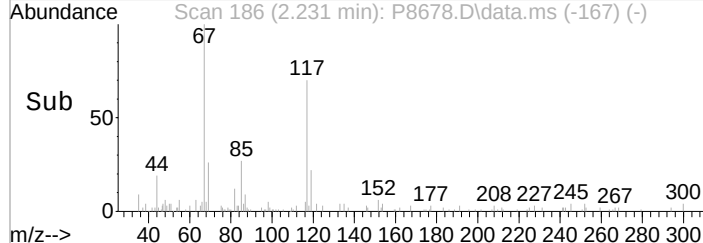
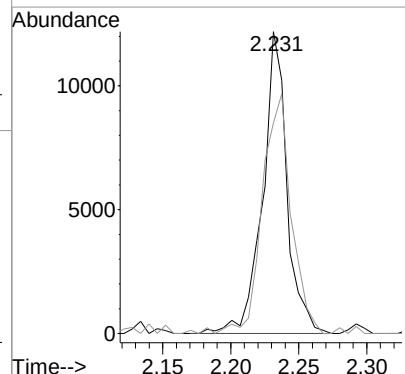
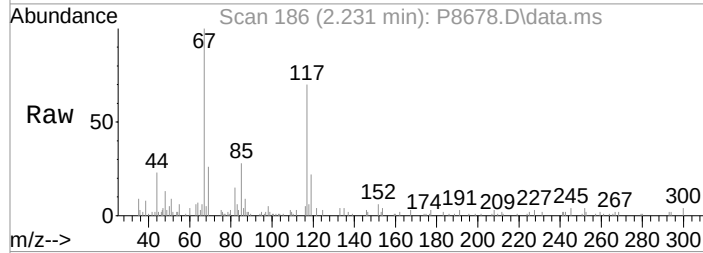
Quant Time: Mar 27 11:39:15 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration





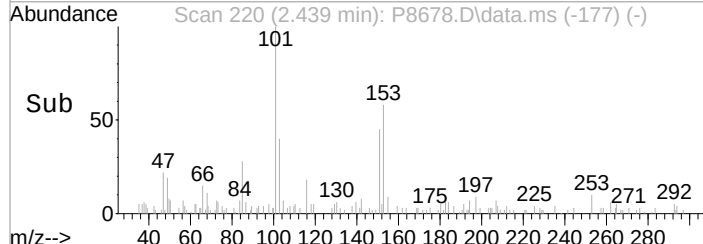
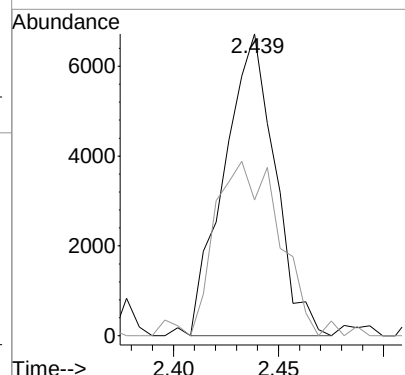
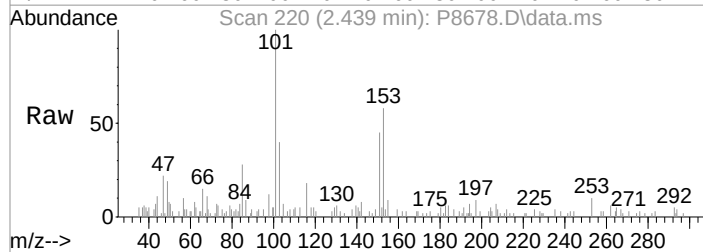
#10
Freon 123a
Concen: 2.56 ppb
RT: 2.231 min Scan# 186
Delta R.T. 0.000 min
Lab File: P8678.D
Acq: 24 Mar 2017 9:43 pm

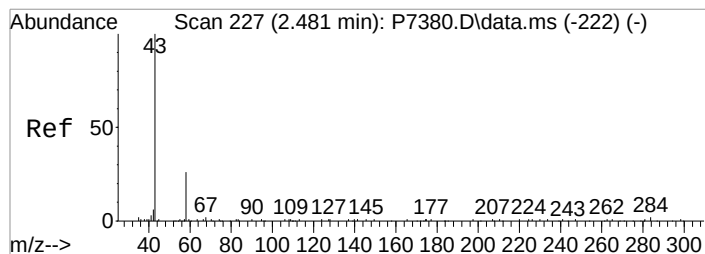
Tgt Ion: 67 Resp: 15067
Ion Ratio Lower Upper
67 100
117 69.7 63.4 103.4



#14
Freon 113
Concen: 1.90 ppb
RT: 2.439 min Scan# 220
Delta R.T. 0.006 min
Lab File: P8678.D
Acq: 24 Mar 2017 9:43 pm

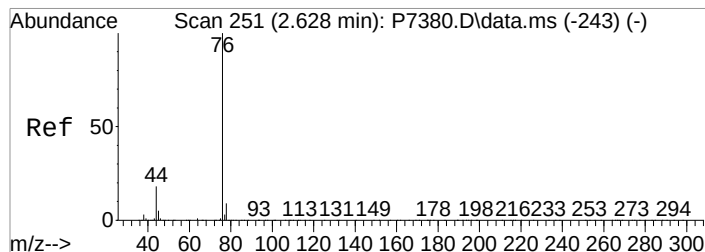
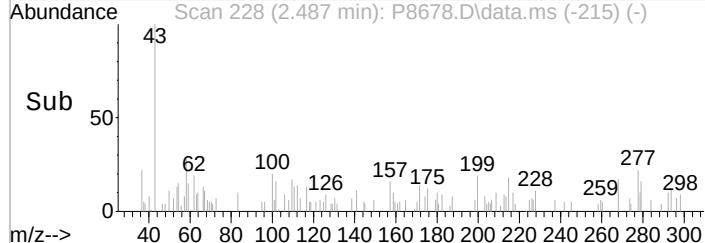
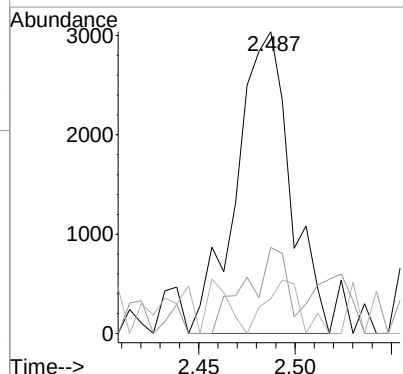
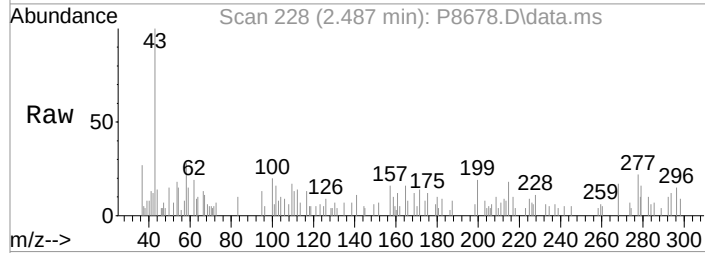
Tgt Ion: 101 Resp: 11273
Ion Ratio Lower Upper
101 100
151 45.0 63.3 103.3#





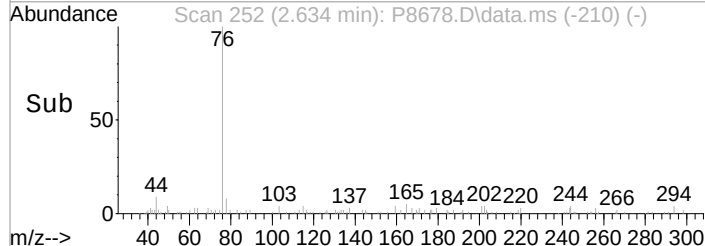
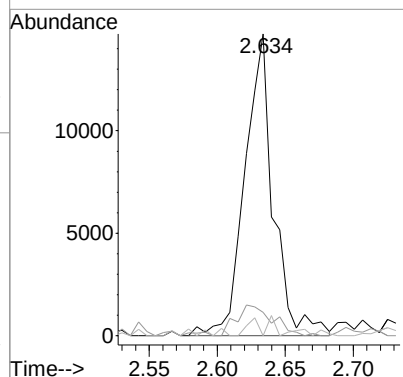
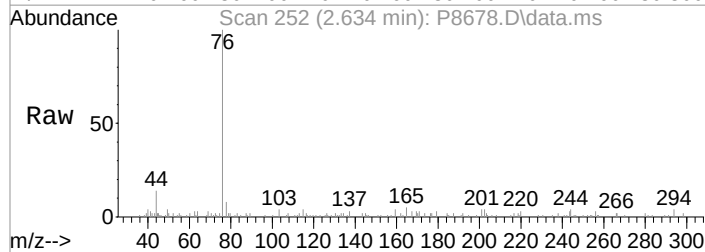
#15
 Acetone
 Concen: 5.20 ppb
 RT: 2.487 min Scan# 228
 Delta R.T. 0.006 min
 Lab File: P8678.D
 Acq: 24 Mar 2017 9:43 pm

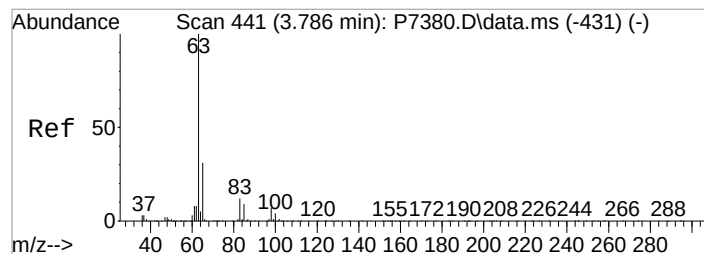
Tgt Ion:	43	Resp:	5929
Ion Ratio		Lower	Upper
43	100		
58	28.5	6.2	46.2
42	11.5	0.0	26.9



#18
 Carbon Disulfide
 Concen: 1.27 ppb
 RT: 2.634 min Scan# 252
 Delta R.T. 0.000 min
 Lab File: P8678.D
 Acq: 24 Mar 2017 9:43 pm

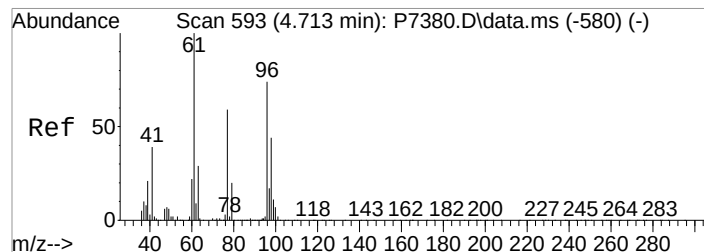
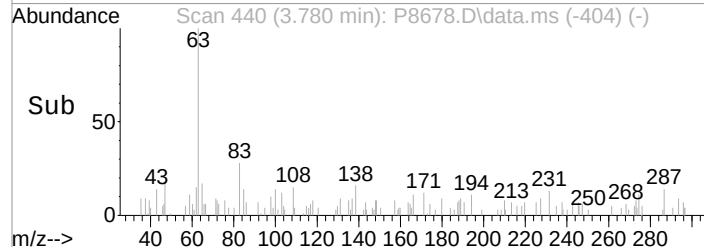
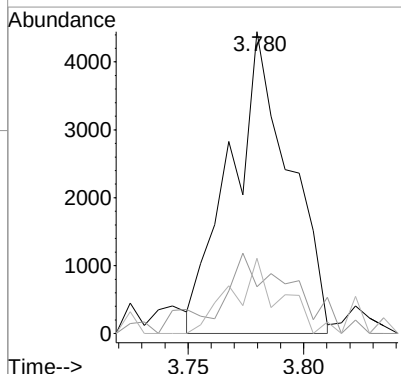
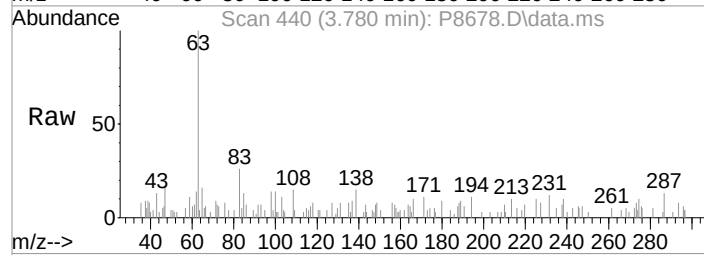
Tgt Ion:	76	Resp:	21365
Ion Ratio		Lower	Upper
76	100		
78	7.8	0.0	29.5
77	0.0	0.0	22.7





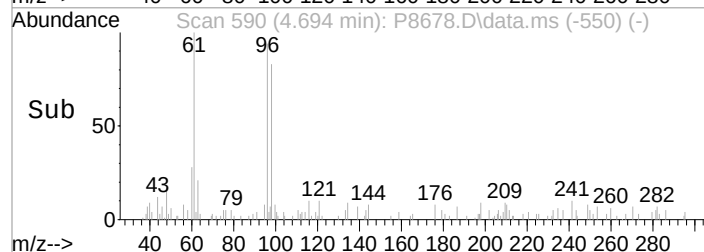
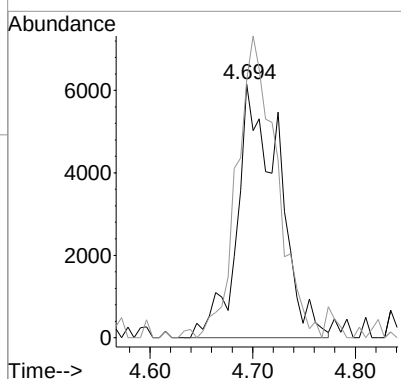
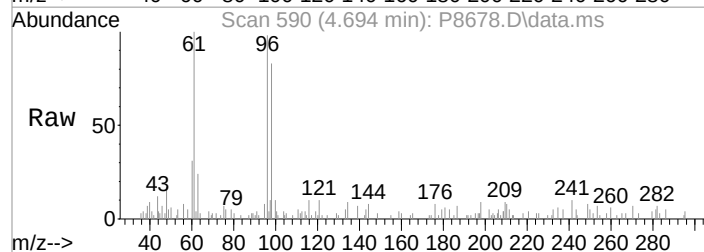
#28
 1,1-Dicethane
 Concen: 0.74 ppb
 RT: 3.780 min Scan# 440
 Delta R.T. -0.006 min
 Lab File: P8678.D
 Acq: 24 Mar 2017 9:43 pm

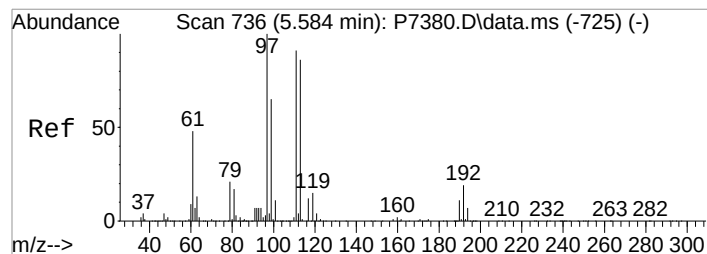
Tgt Ion: 63 Resp: 7892
 Ion Ratio Lower Upper
 63 100
 65 15.5 10.8 50.8
 83 24.9 0.0 32.1



#34
 cis-1,2-Dichloroethene
 Concen: 2.56 ppb m
 RT: 4.694 min Scan# 590
 Delta R.T. -0.012 min
 Lab File: P8678.D
 Acq: 24 Mar 2017 9:43 pm

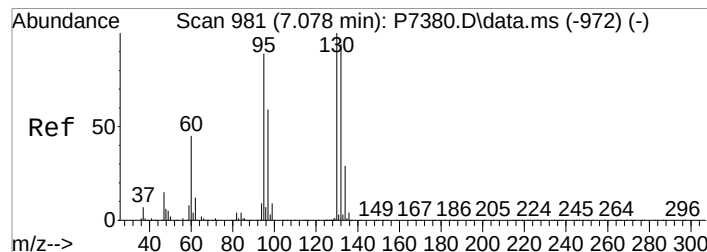
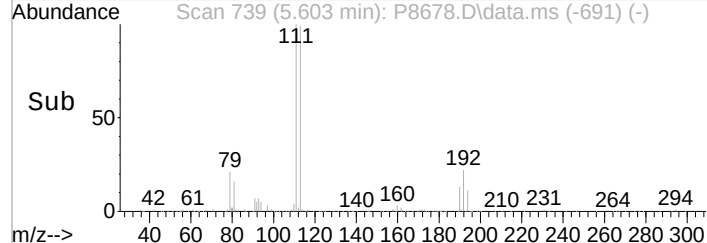
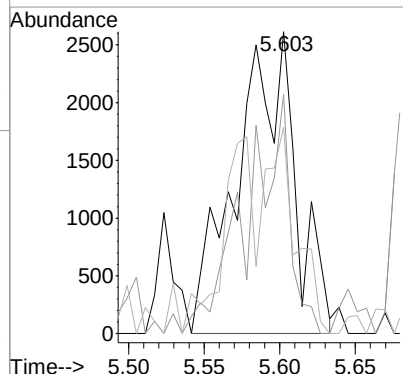
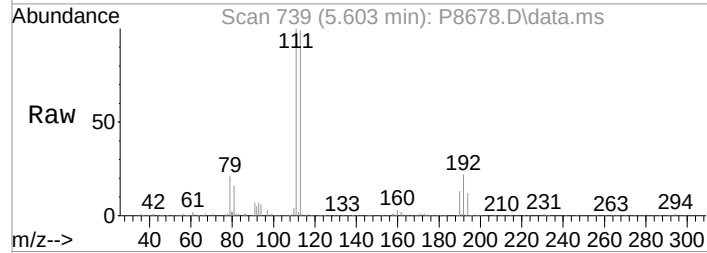
Tgt Ion: 96 Resp: 17379
 Ion Ratio Lower Upper
 96 100
 61 101.7 114.8 154.8#





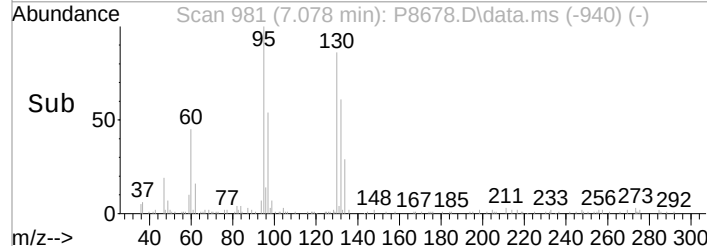
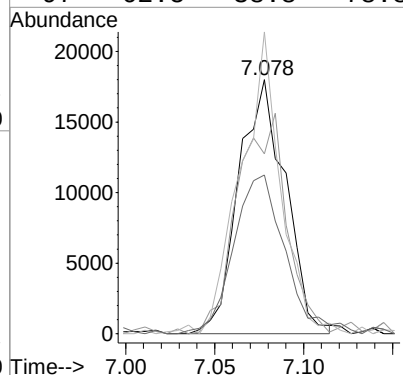
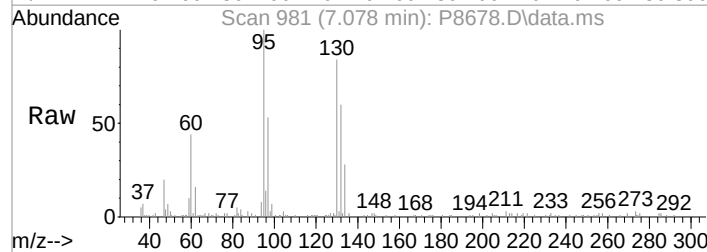
#41
 1,1,1-Trichloroethane
 Concen: 0.77 ppb m
 RT: 5.603 min Scan# 739
 Delta R.T. 0.012 min
 Lab File: P8678.D
 Acq: 24 Mar 2017 9:43 pm

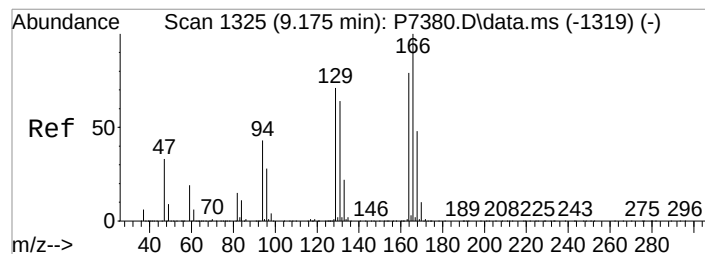
Tgt Ion:	97	Resp:	7016
Ion Ratio		Lower	Upper
97	100		
99	42.7	45.5	85.5#
61	48.2	28.1	68.1



#54
 Trichloroethene
 Concen: 5.01 ppb
 RT: 7.078 min Scan# 981
 Delta R.T. 0.000 min
 Lab File: P8678.D
 Acq: 24 Mar 2017 9:43 pm

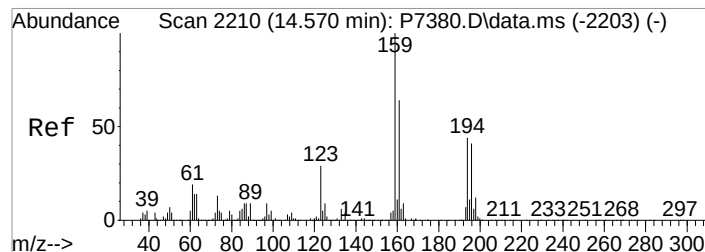
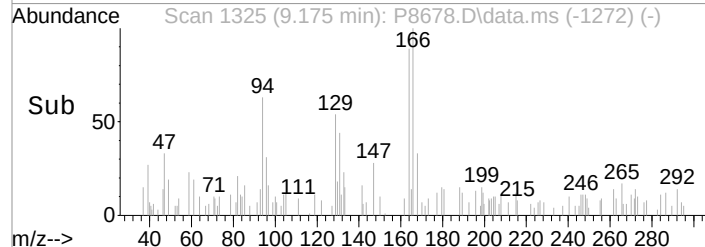
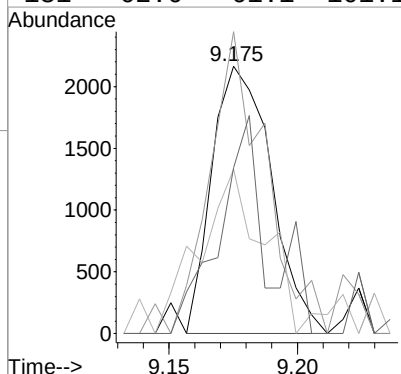
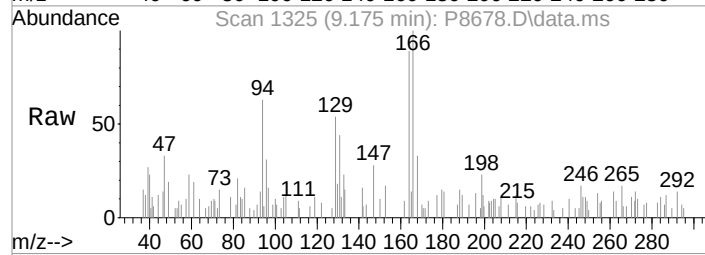
Tgt Ion:	130	Resp:	32760
Ion Ratio		Lower	Upper
130	100		
132	72.8	74.2	114.2#
95	118.8	69.4	109.4#
97	62.5	38.8	78.8





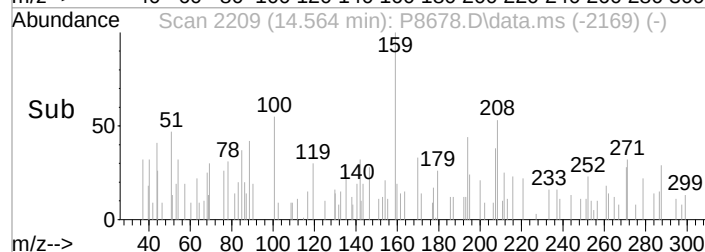
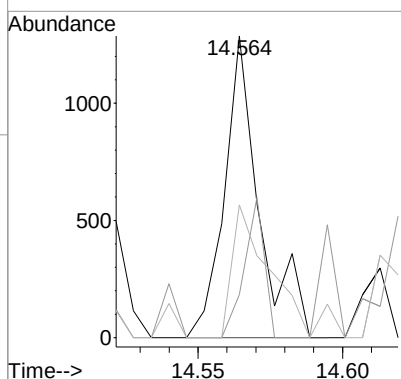
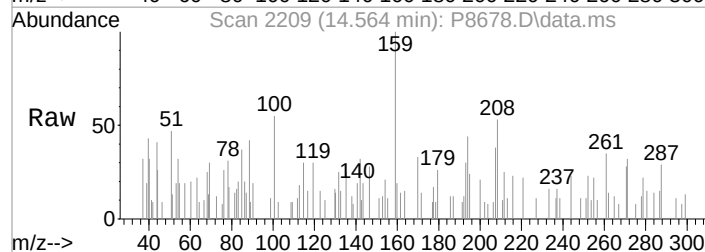
#72
Tetrachloroethene
Concen: 0.70 ppb
RT: 9.175 min Scan# 1325
Delta R.T. -0.006 min
Lab File: P8678.D
Acq: 24 Mar 2017 9:43 pm

Tgt Ion	164	Resp	3490
Ion Ratio	Lower	Upper	
164	100		
166	112.9	106.8	146.8
129	82.2	69.7	109.7
131	62.0	61.1	101.1



#119
2,4,5-Trichlorotoluene
Concen: 0.21 ppb
RT: 14.564 min Scan# 2209
Delta R.T. -0.006 min
Lab File: P8678.D
Acq: 24 Mar 2017 9:43 pm

Tgt Ion	159	Resp	1081
Ion Ratio	Lower	Upper	
159	100		
161	14.3	51.0	76.4#
194	43.9	35.4	53.2



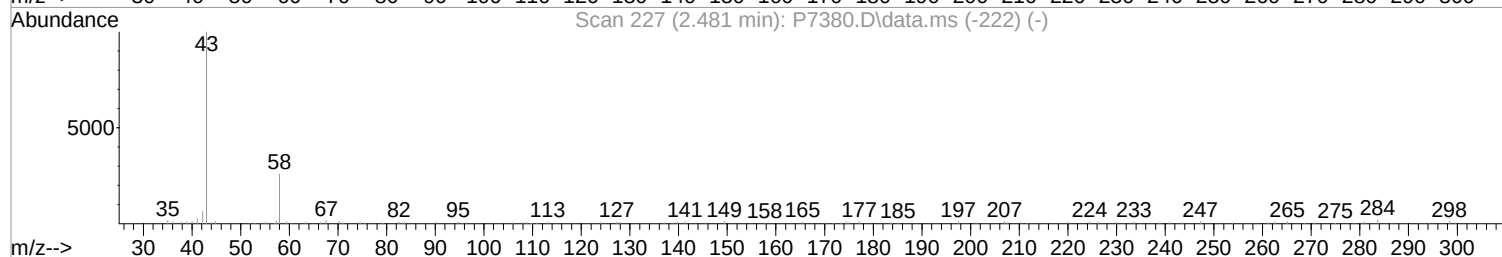
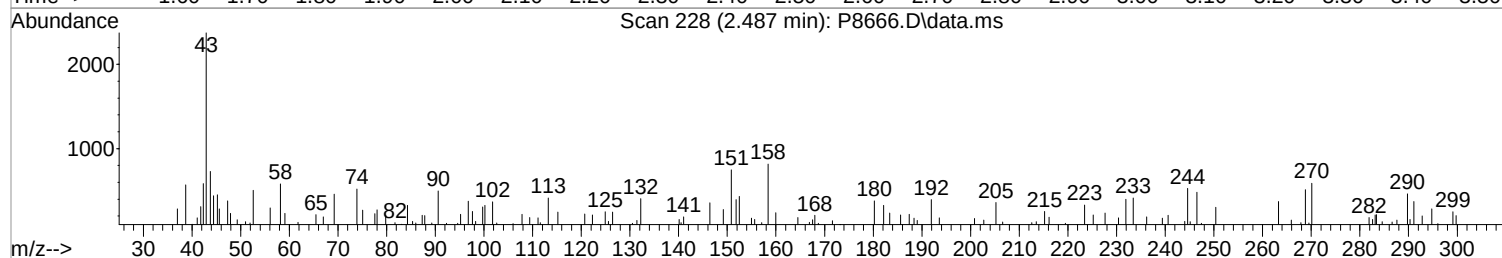
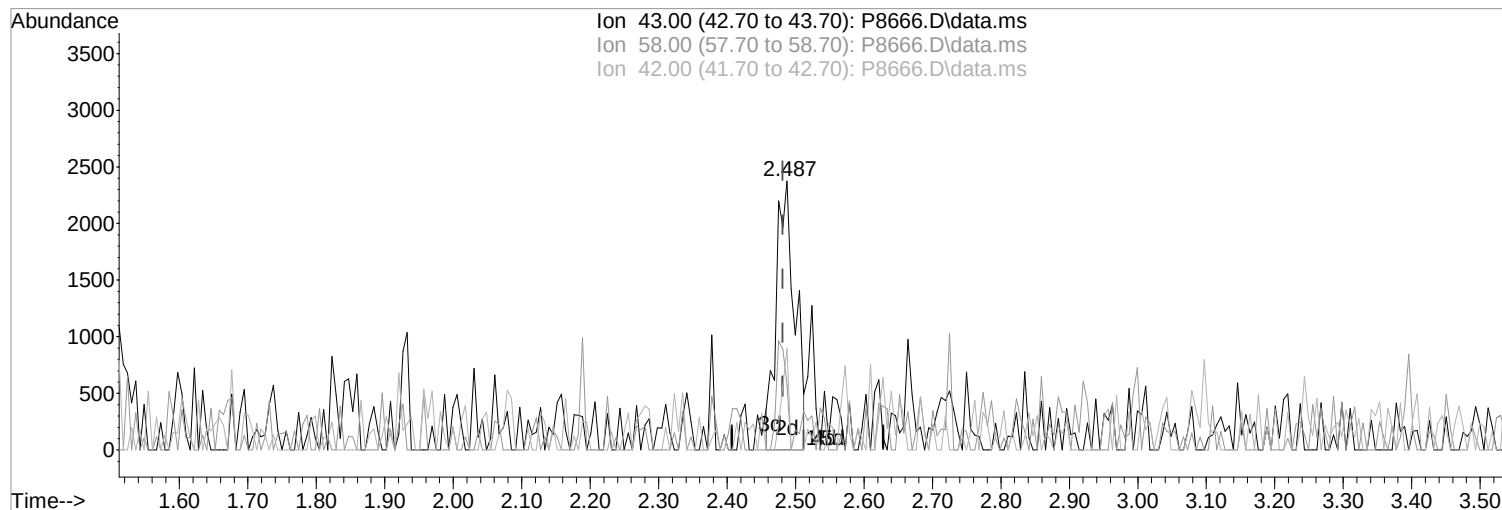
Quantitation Report (Qedit)

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8666.D
Acq On : 24 Mar 2017 3:41 pm
Operator : K.Ruest
Sample : R1702494-010|1.0
Misc : VERINA 8260 T4
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 16:04:35 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8666.D\data.ms

(15) Acetone (P)

2.487min (+0.006) 3.82 ppb m

response 4457

Ion	Exp%	Act%
43.00	100	100
58.00	26.20	24.46
42.00	6.90	24.63
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

03/24/17

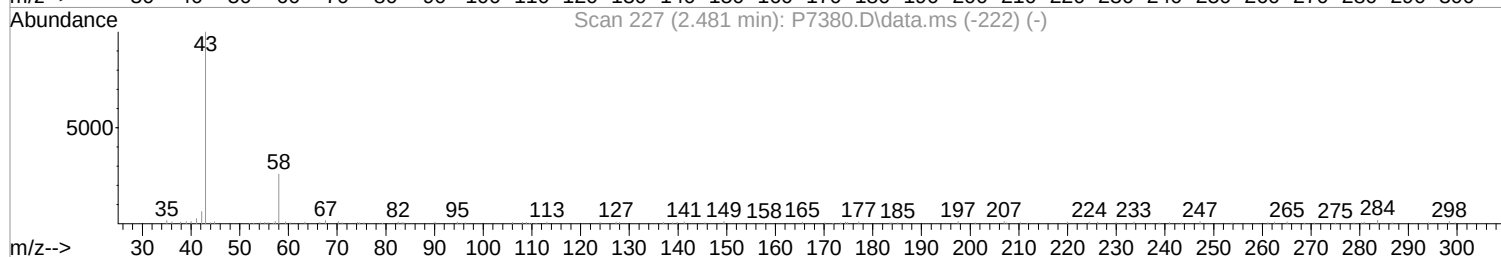
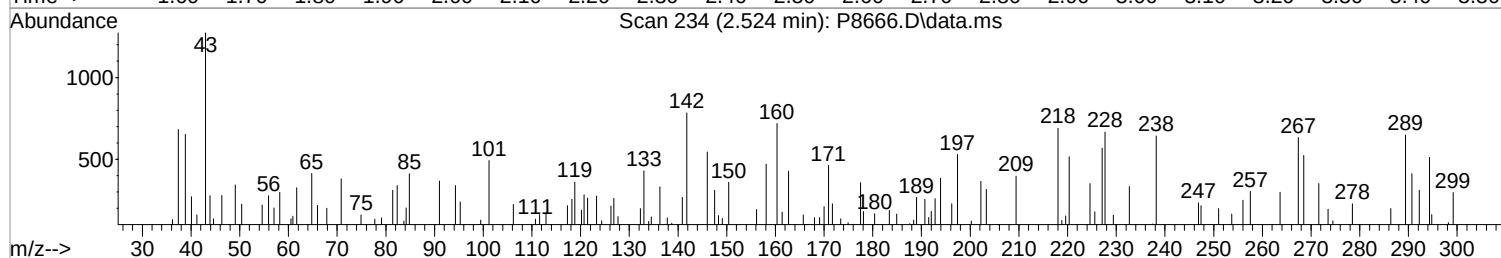
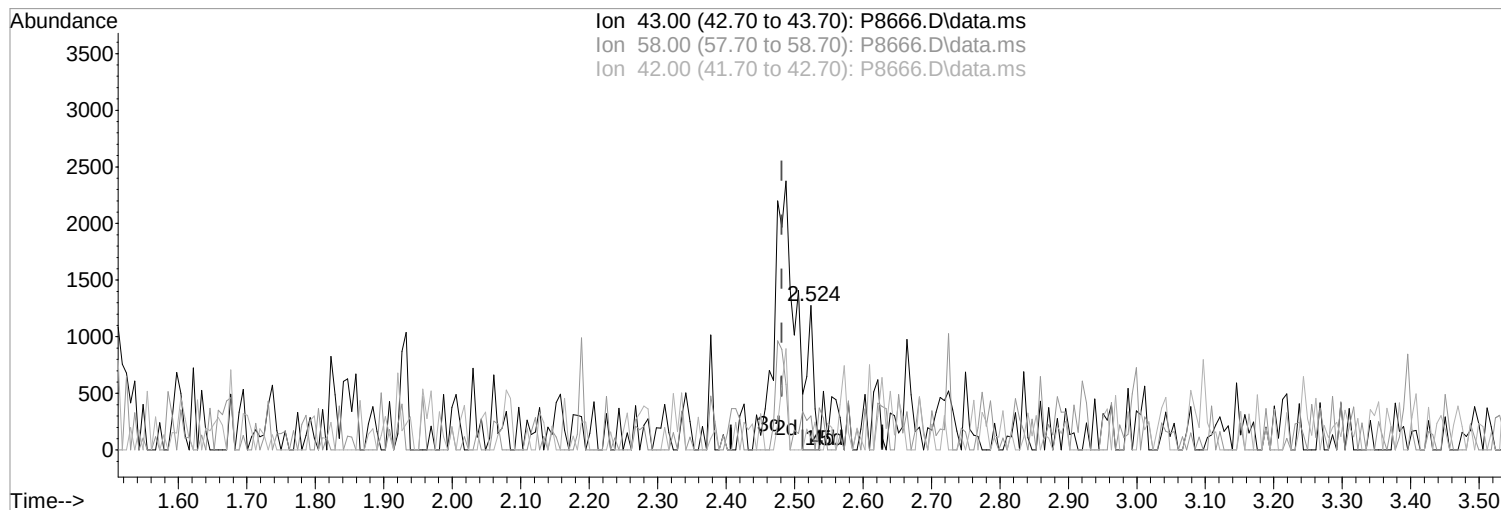
Quantitation Report (Qedit)

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8666.D
Acq On : 24 Mar 2017 3:41 pm
Operator : K.Ruest
Sample : R1702494-010|1.0
Misc : VERINA 8260 T4
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 16:04:35 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8666.D\data.ms

(15) Acetone (P)

Manual Integration:

2.524min (+0.043) 0.72 ppb

Before

response 837

Ion	Exp%	Act%
43.00	100	100
58.00	26.20	23.47
42.00	6.90	8.16
0.00	0.00	0.00

03/24/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8666.D
 Acq On : 24 Mar 2017 3:41 pm
 Operator : K.Ruest
 Sample : R1702494-010|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 16:05:43 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

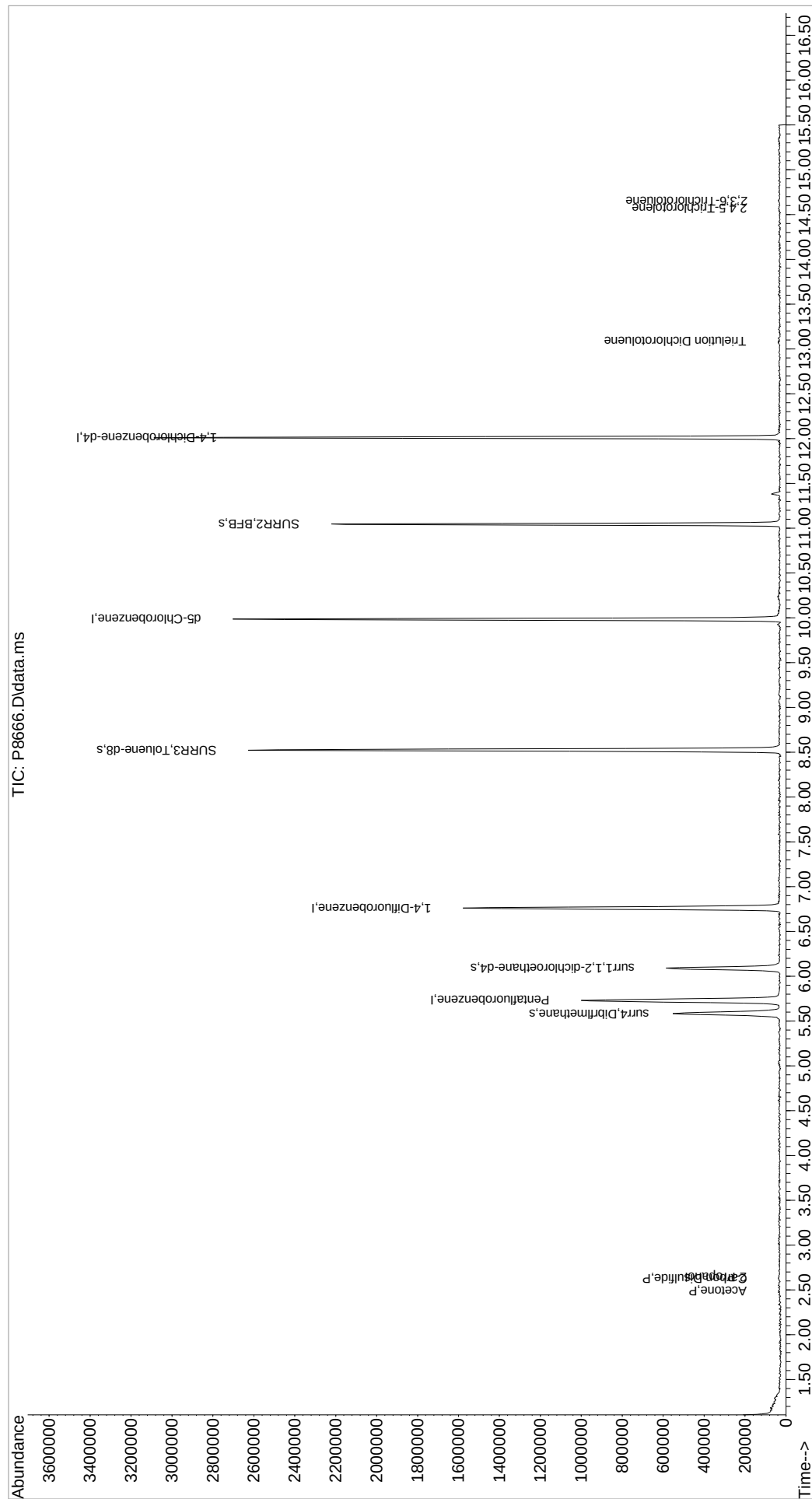
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	794309	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1273207	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1179916	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	589639	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.578	113	377605	54.96	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	109.92%	
48) surr1,1,2-dichloroetha...	6.090	65	435418	57.08	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	114.16%	
65) SURR3,Toluene-d8	8.523	98	1551310	54.61	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	109.22%	
70) SURR2,BFB	11.047	95	571650	51.94	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	103.88%	
Target Compounds						
15) Acetone	2.487	43	4457m	3.82	ppb	Qvalue
16) 2-Propanol	2.640	45	1731	8.79	ppb	75
18) Carbon Disulfide	2.621	76	4698	0.27	ppb	66
112) Trielution Dichlorotol...	13.083	125	2703	0.27	ppb	# 55
119) 2,4,5-Trichlorotoluene	14.570	159	1576	0.32	ppb	# 74
120) 2,3,6-Trichlorotoluene	14.650	159	987	0.24	ppb	# 45

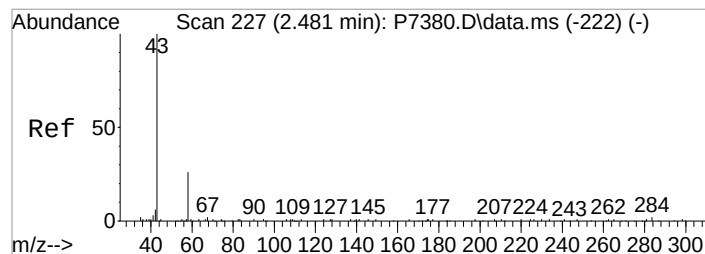
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8666.D
Acq On : 24 Mar 2017 3:41 pm
Operator : K.Ruest
Sample : R1702494-010|1.0
Misc : VERINA 8260 T4
ALS Vial : 11 Sample Multiplier: 1

Inst : MSV0A-12

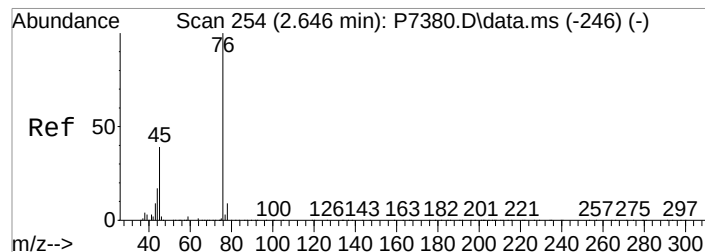
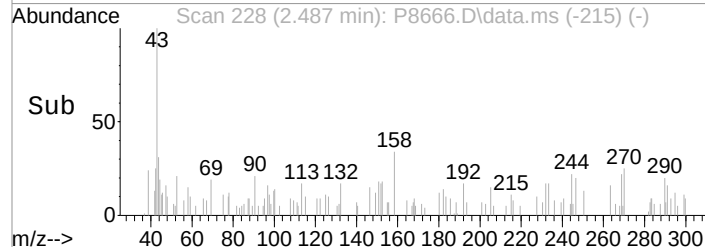
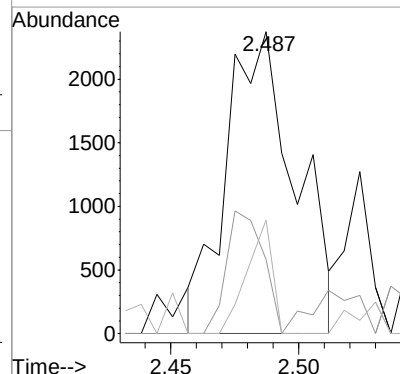
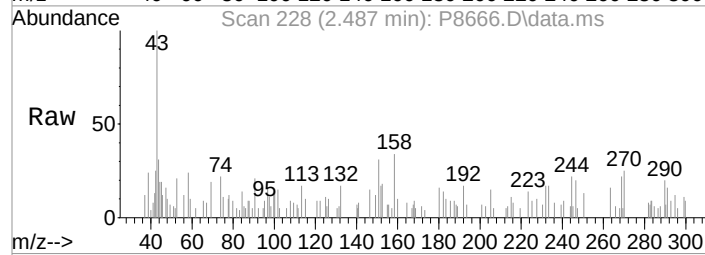
Quant Time: Mar 24 16:05:43 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration





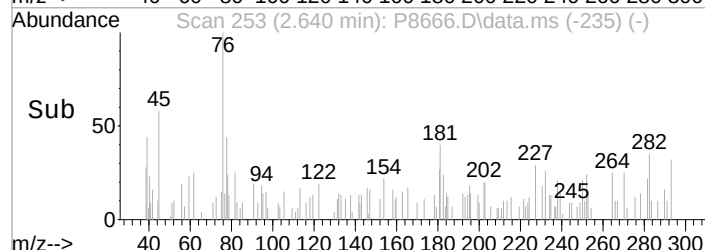
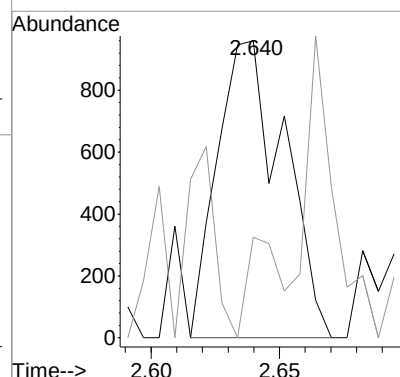
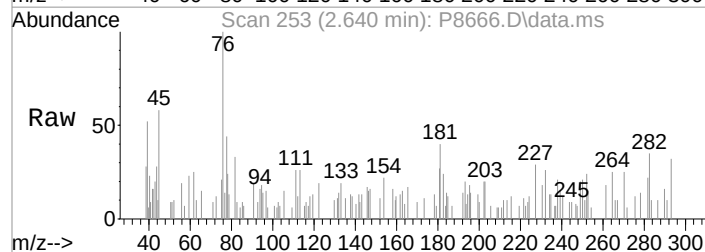
#15
 Acetone
 Concen: 3.82 ppb m
 RT: 2.487 min Scan# 228
 Delta R.T. 0.006 min
 Lab File: P8666.D
 Acq: 24 Mar 2017 3:41 pm

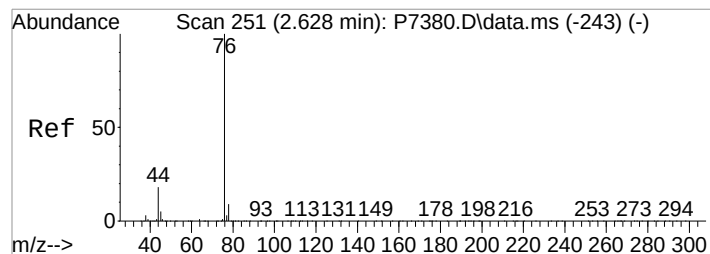
Tgt Ion: 43 Resp: 4457
 Ion Ratio Lower Upper
 43 100
 58 24.5 6.2 46.2
 42 24.6 0.0 26.9



#16
 2-Propanol
 Concen: 8.79 ppb
 RT: 2.640 min Scan# 253
 Delta R.T. 0.000 min
 Lab File: P8666.D
 Acq: 24 Mar 2017 3:41 pm

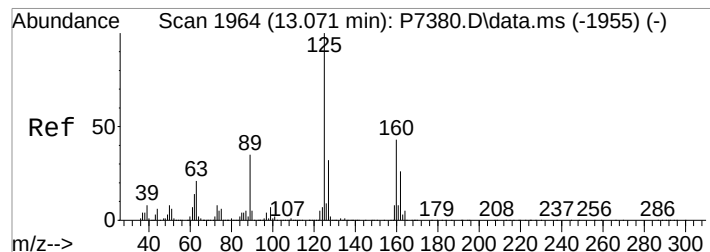
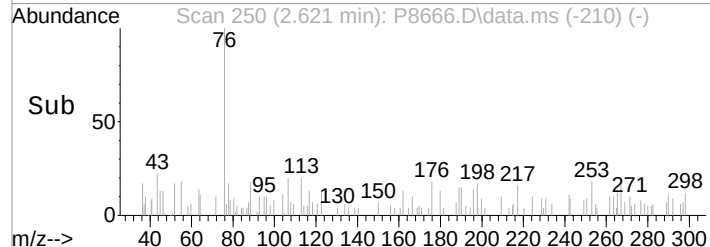
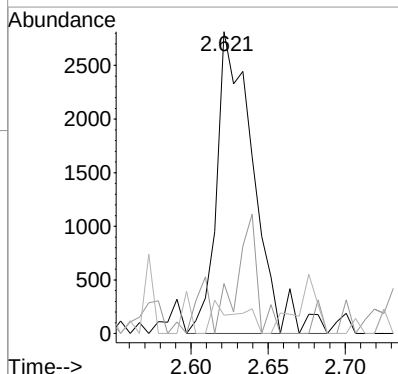
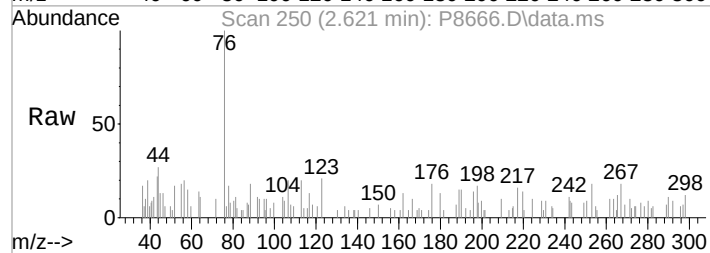
Tgt Ion: 45 Resp: 1731
 Ion Ratio Lower Upper
 45 100
 43 33.9 1.8 41.8





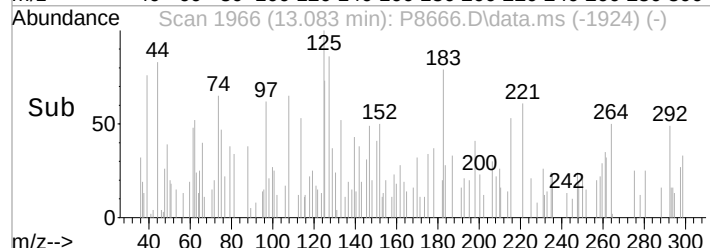
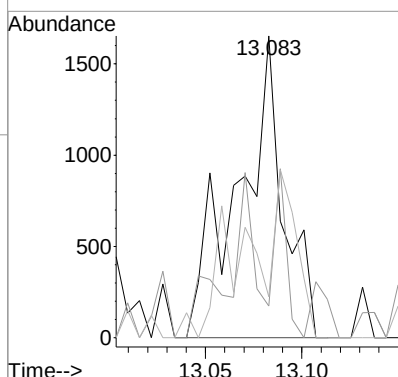
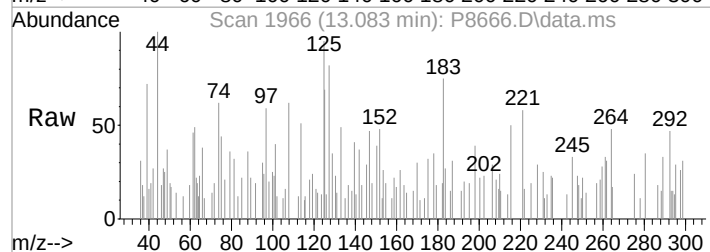
#18
Carbon Disulfide
Concen: 0.27 ppb
RT: 2.621 min Scan# 250
Delta R.T. -0.012 min
Lab File: P8666.D
Acq: 24 Mar 2017 3:41 pm

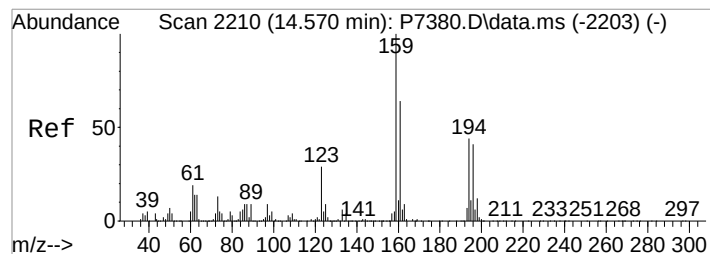
Tgt Ion: 76 Resp: 4698
Ion Ratio Lower Upper
76 100
78 24.3 0.0 29.5
77 6.1 0.0 22.7



#112
Trilution Dichlorotoluene
Concen: 0.27 ppb
RT: 13.083 min Scan# 1966
Delta R.T. 0.006 min
Lab File: P8666.D
Acq: 24 Mar 2017 3:41 pm

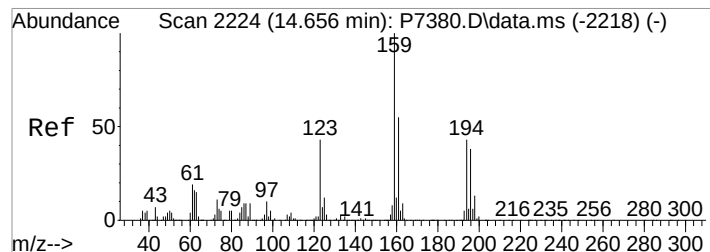
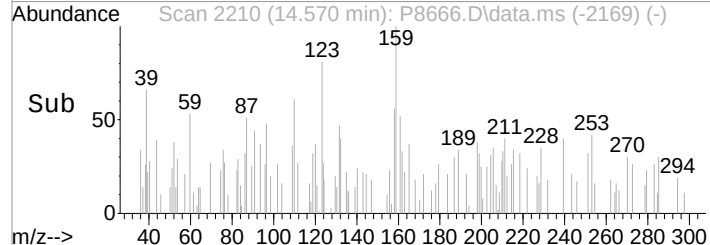
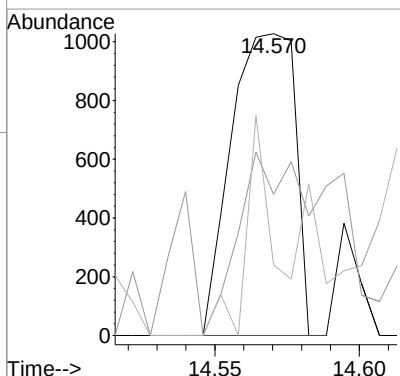
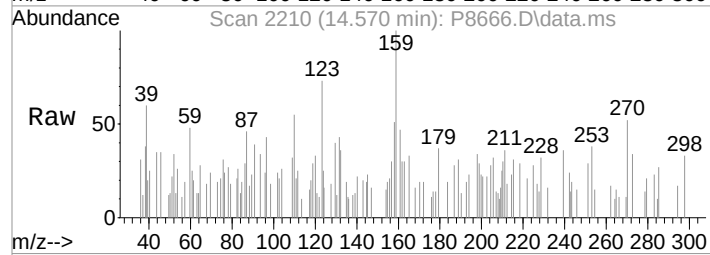
Tgt Ion: 125 Resp: 2703
Ion Ratio Lower Upper
125 100
160 10.5 34.6 51.8#
89 13.6 28.0 42.0#





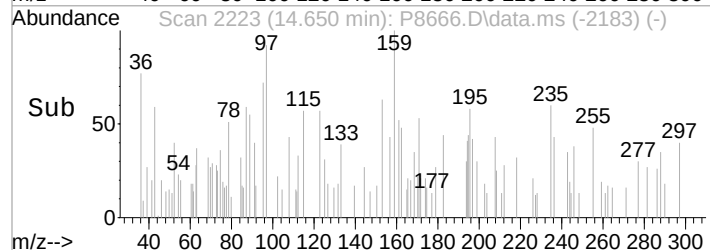
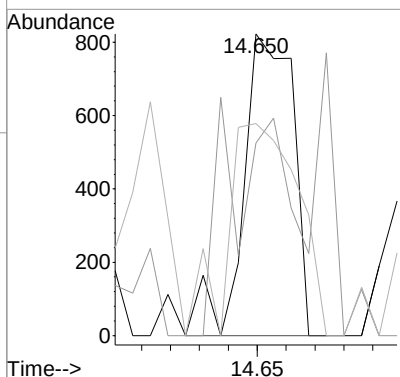
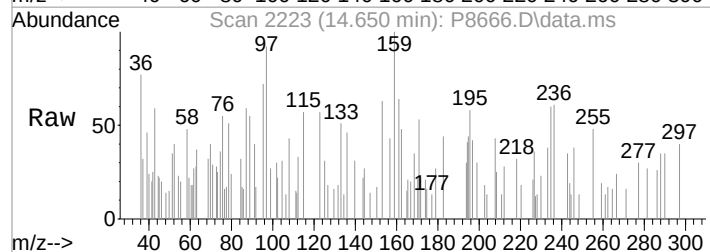
#119
2,4,5-Trichlorotoluene
Concen: 0.32 ppb
RT: 14.570 min Scan# 2210
Delta R.T. 0.000 min
Lab File: P8666.D
Acq: 24 Mar 2017 3:41 pm

Tgt Ion:159 Resp: 1576
Ion Ratio Lower Upper
159 100
161 46.8 51.0 76.4#
194 23.4 35.4 53.2#



#120
2,3,6-Trichlorotoluene
Concen: 0.24 ppb
RT: 14.650 min Scan# 2223
Delta R.T. -0.006 min
Lab File: P8666.D
Acq: 24 Mar 2017 3:41 pm

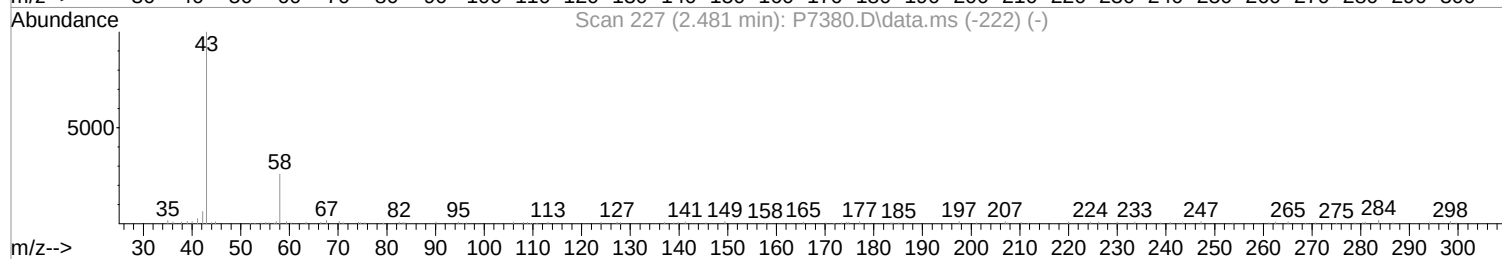
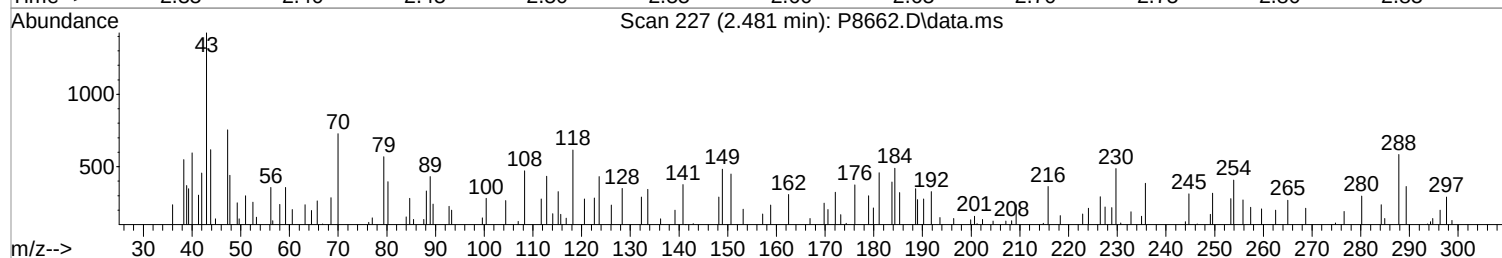
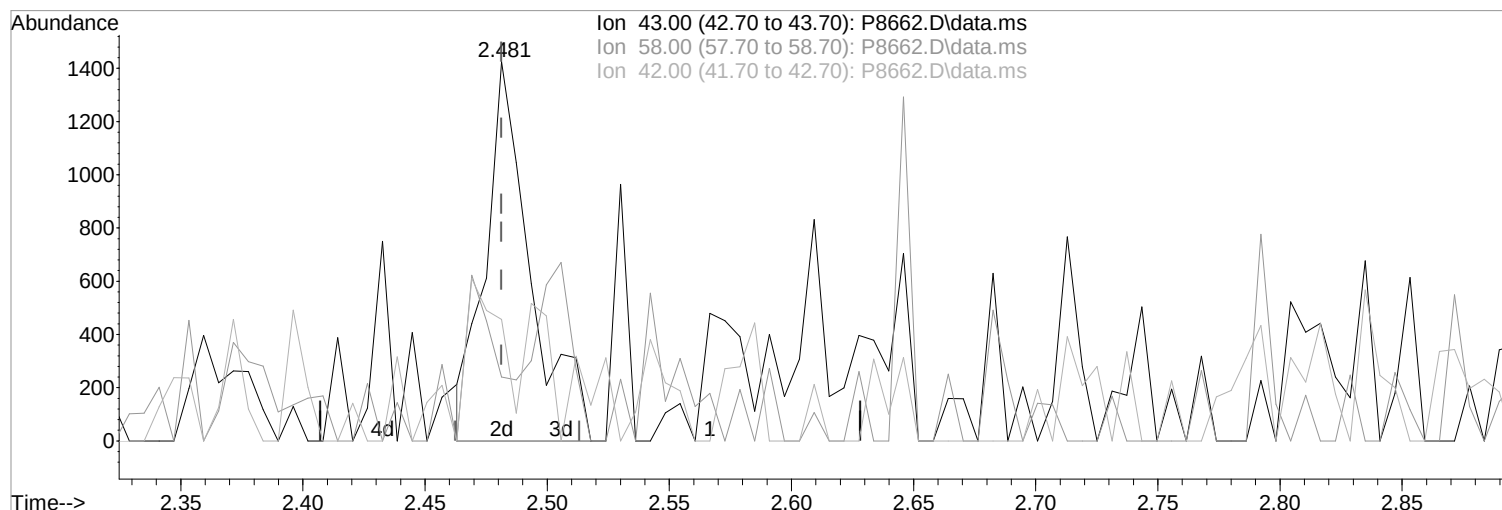
Tgt Ion:159 Resp: 987
Ion Ratio Lower Upper
159 100
161 63.8 44.3 66.5
194 114.6 34.8 52.2#



Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8662.D
Acq On : 24 Mar 2017 1:41 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:22 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8662.D\data.ms

(15) Acetone (P)

2.481min (+0.000) 1.52 ppb m

response 1815

Ion	Exp%	Act%
43.00	100	100
58.00	26.20	16.84
42.00	6.90	32.00#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

03/24/17

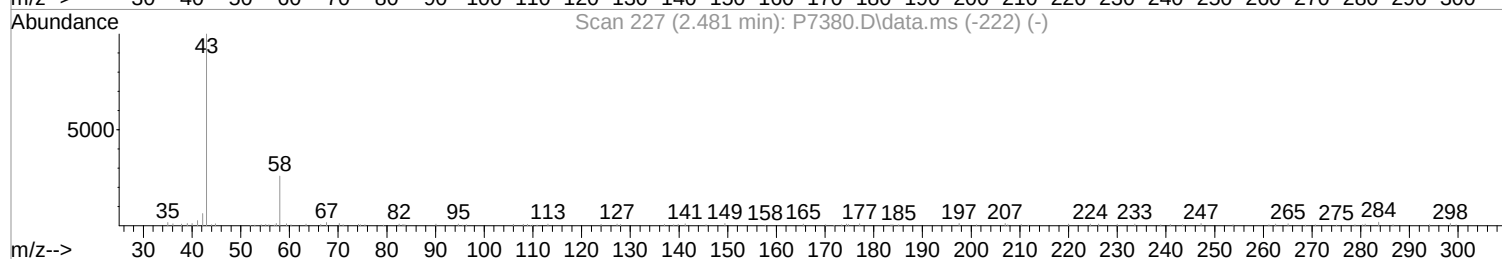
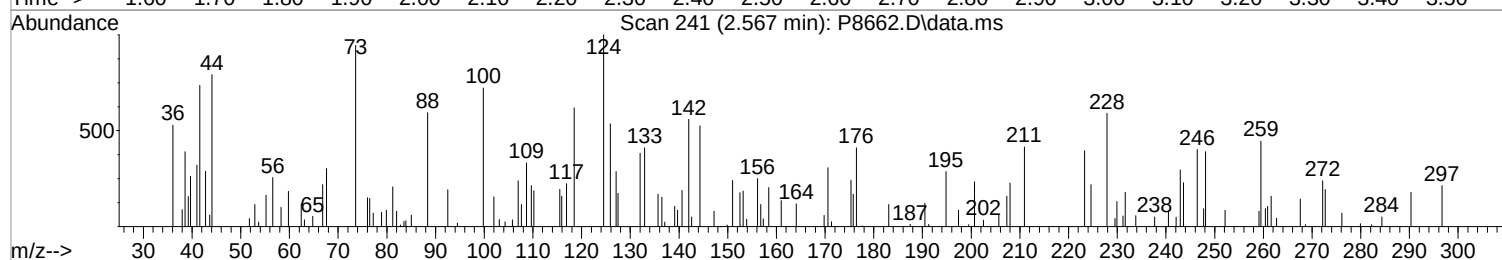
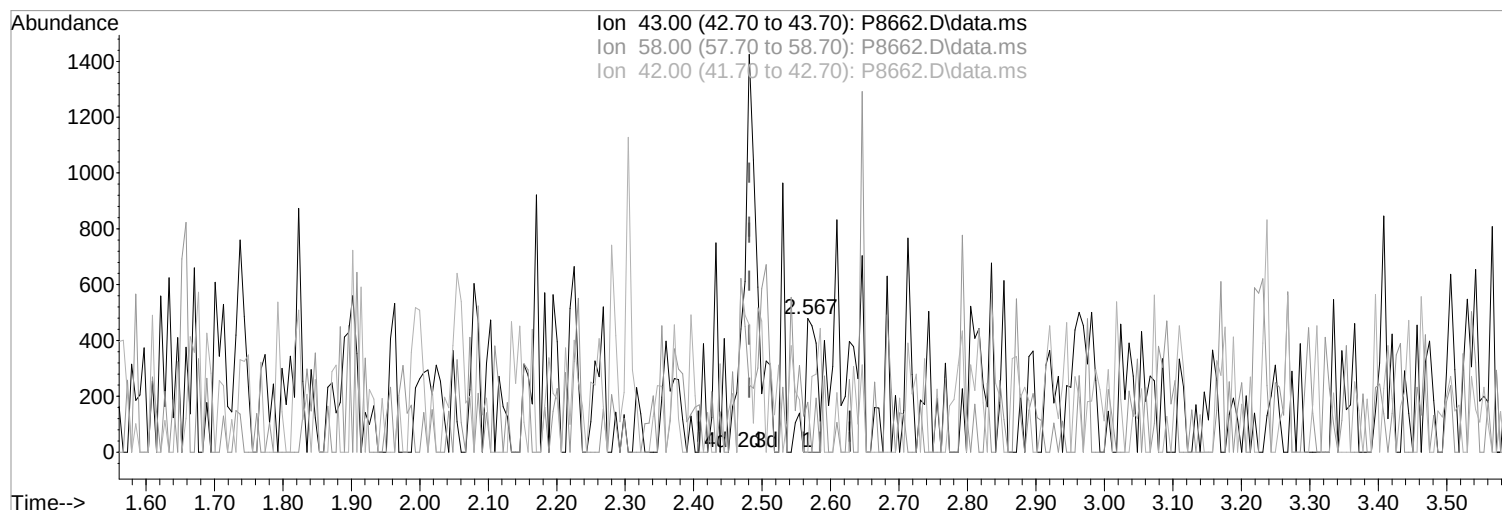
Quantitation Report (Qedit)

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8662.D
Acq On : 24 Mar 2017 1:41 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 14:28:22 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8662.D\data.ms

(15) Acetone (P)

2.567min (+0.086) 0.44 ppb

response 524

Ion	Exp%	Act%
43.00	100	100
58.00	26.20	37.37
42.00	6.90	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/24/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8662.D
 Acq On : 24 Mar 2017 1:41 pm
 Operator : K.Ruest
 Sample : VBLK
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 15:56:01 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	813734	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1315150	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1221134	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	610173	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	375563	52.92	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 105.84%			
48) surr1,1,2-dichloroetha...	6.084	65	442623	56.18	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 112.36%			
65) SURR3,Toluene-d8	8.523	98	1619421	55.19	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 110.38%			
70) SURR2,BFB	11.047	95	586921	51.62	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 103.24%			
Target Compounds						
15) Acetone	2.481	43	1815m	1.52	ppb	Qvalue
112) Trielution Dichlorotol...	13.071	125	6201	0.60	ppb	# 81
113) 1,3,5 Trichlorobenzene	13.126	180	2320	0.25	ppb	# 64
114) Coelution Dichlorotoluene	13.400	125	4241	0.38	ppb	# 62
115) 1,2,4-Tcbenzene	13.607	180	3122	0.39	ppb	# 77
116) Hexachlorobt	13.741	225	2507	0.69	ppb	# 75
117) Naphthalen	13.790	128	4343	0.29	ppb	# 86
118) 1,2,3-Tclbenzene	13.979	180	3134	0.47	ppb	# 64
119) 2,4,5-Trichlorotoluene	14.564	159	7863	1.53	ppb	# 85
120) 2,3,6-Trichlorotoluene	14.650	159	7494	1.75	ppb	# 87

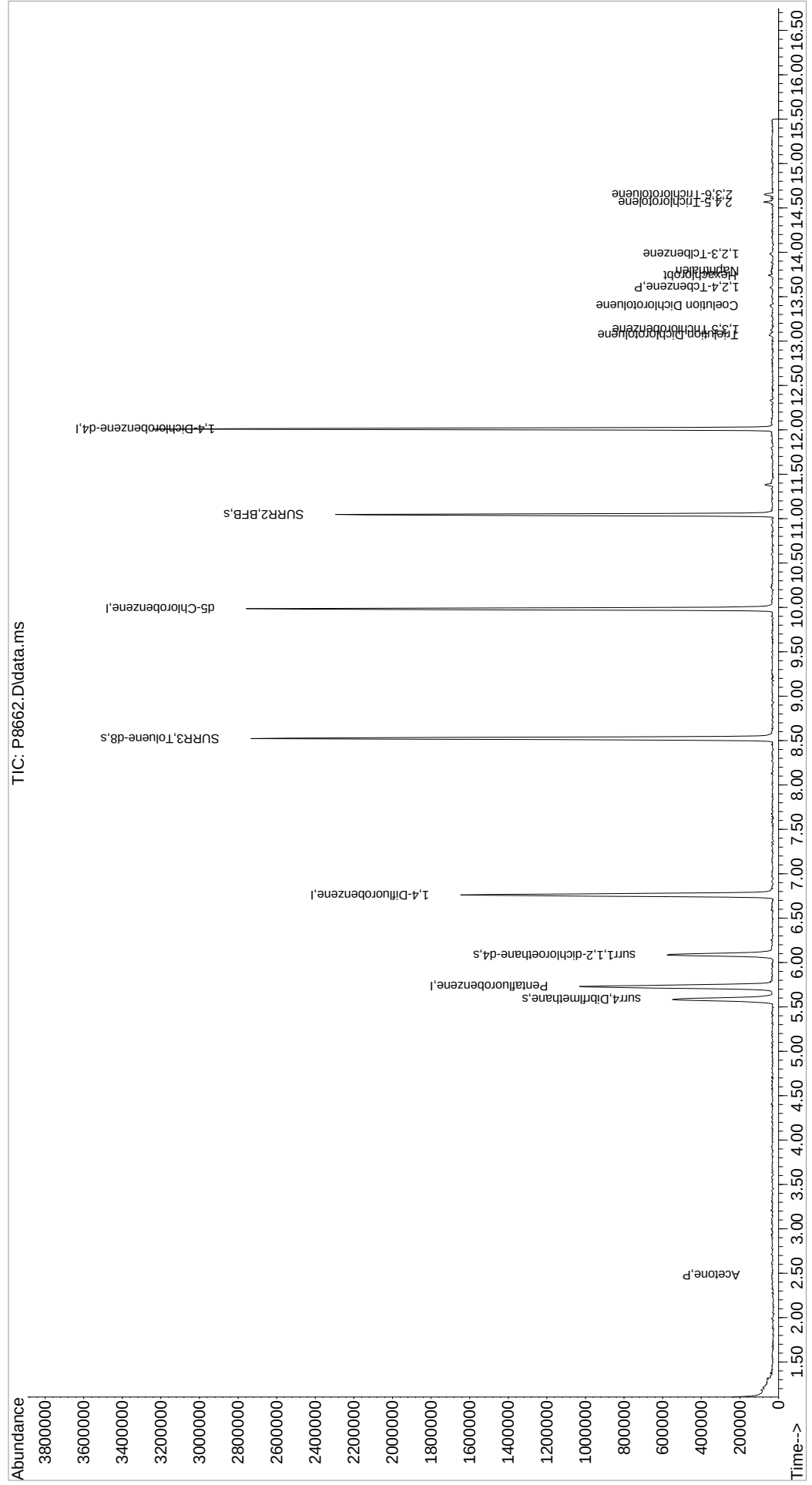
(#) = qualifier out of range (m) = manual integration (+) = signals summed

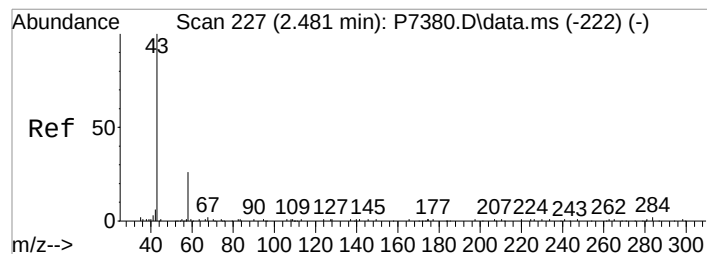
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8662.D
 Acq On : 24 Mar 2017 1:41 pm
 Operator : K.Ruest
 Sample : VBLK
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSV0A-12

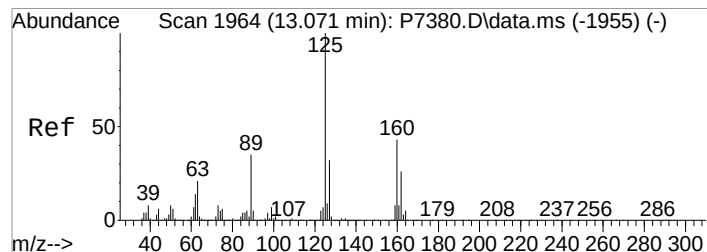
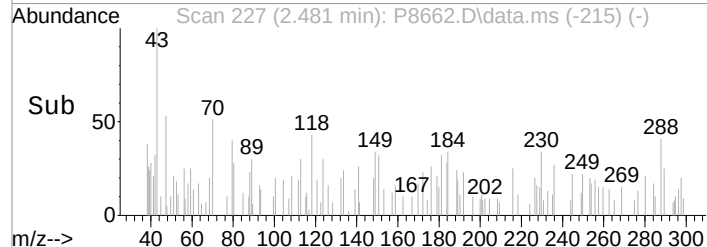
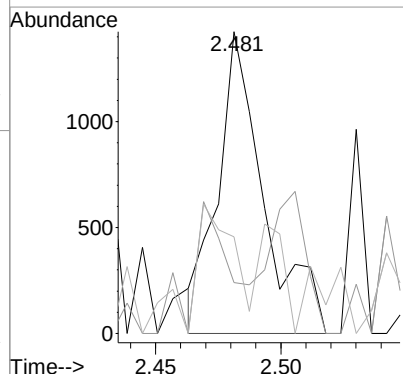
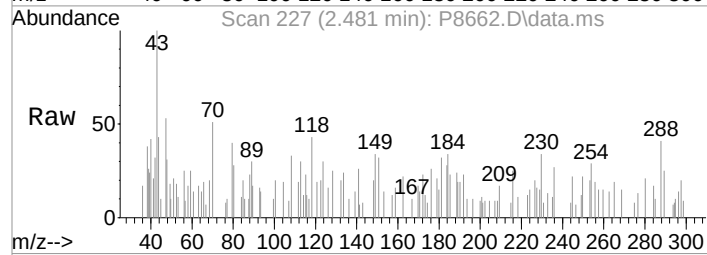
Quant Time: Mar 24 15:56:01 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration





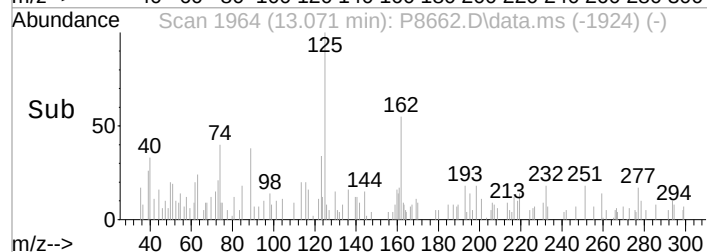
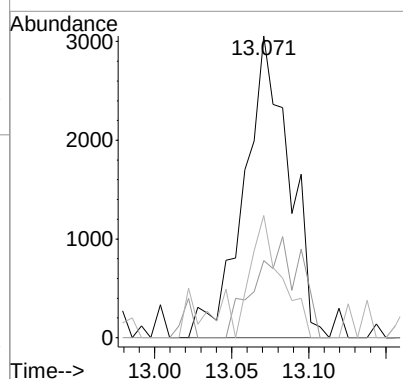
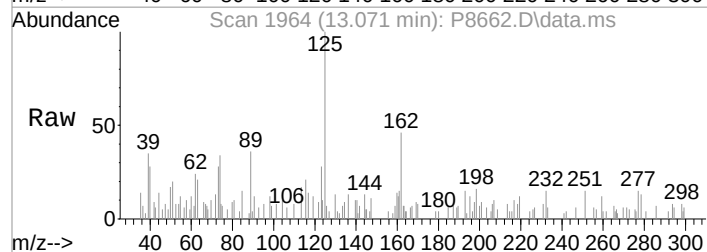
#15
Acetone
Concen: 1.52 ppb m
RT: 2.481 min Scan# 227
Delta R.T. 0.000 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm

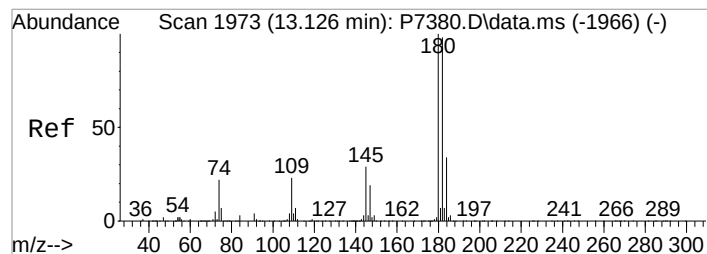
Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 16.8 6.2 46.2
42 32.0 0.0 26.9#



#112
Trilutlon Dichlorotoluene
Concen: 0.60 ppb
RT: 13.071 min Scan# 1964
Delta R.T. -0.006 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm

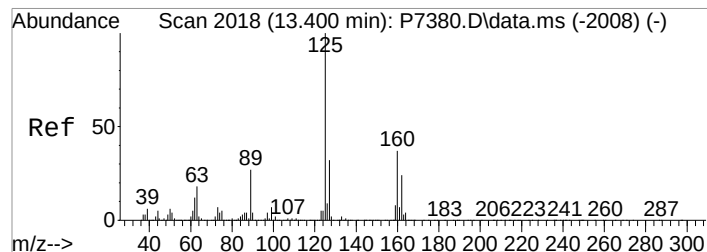
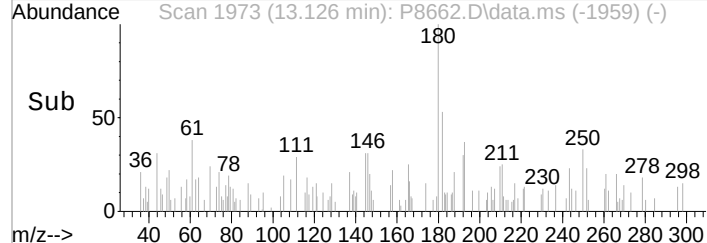
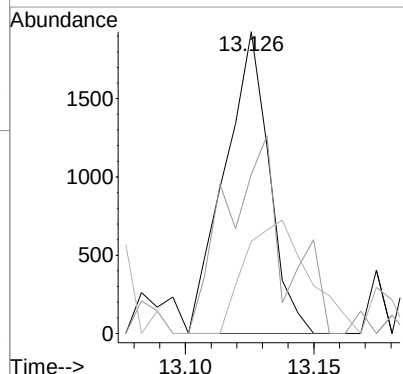
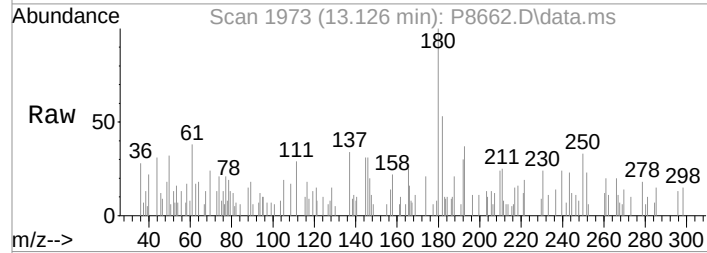
Tgt Ion: 125 Resp: 6201
Ion Ratio Lower Upper
125 100
160 23.9 34.6 51.8#
89 37.7 28.0 42.0





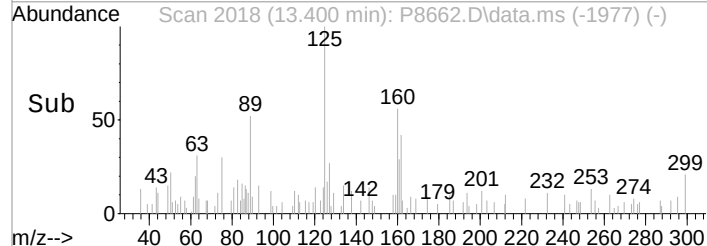
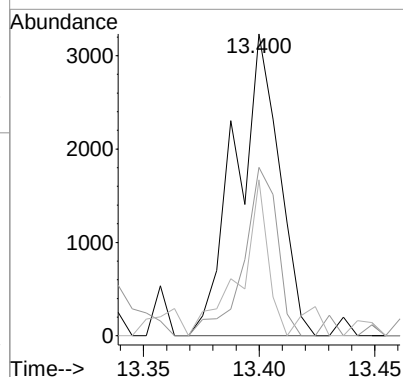
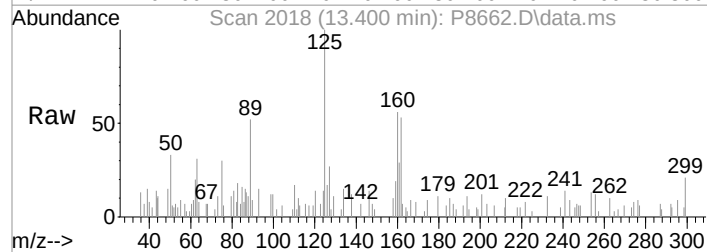
#113
 1,3,5 Trichlorobenzene
 Concen: 0.25 ppb
 RT: 13.126 min Scan# 1973
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

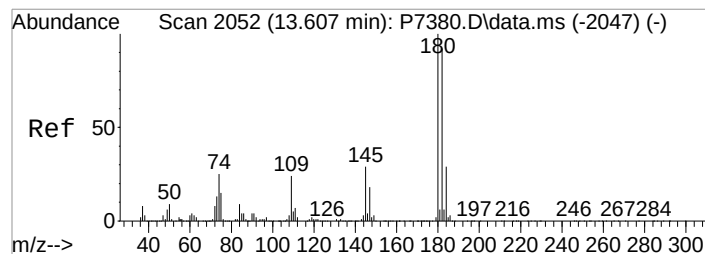
Tgt Ion:	180	Resp:	2320
Ion Ratio	Lower	Upper	
180	100		
182	52.7	78.6	117.8#
145	30.6	23.4	35.2



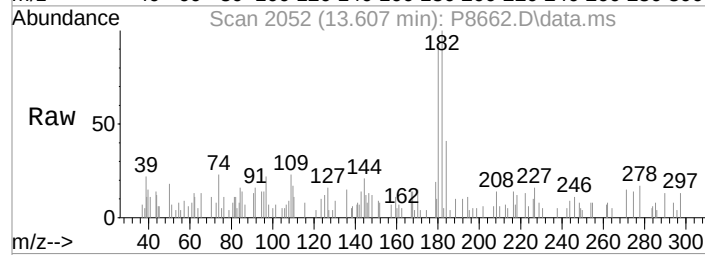
#114
 Coelution Dichlorotoluene
 Concen: 0.38 ppb
 RT: 13.400 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

Tgt Ion:	125	Resp:	4241
Ion Ratio	Lower	Upper	
125	100		
160	55.7	29.8	44.6#
89	51.7	21.7	32.5#

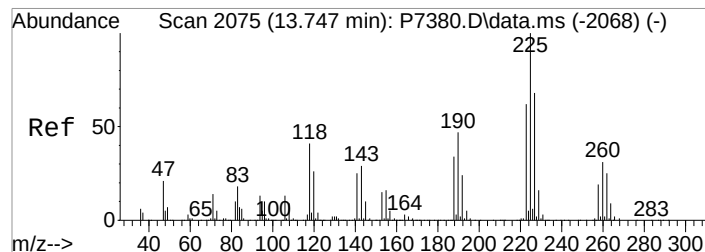
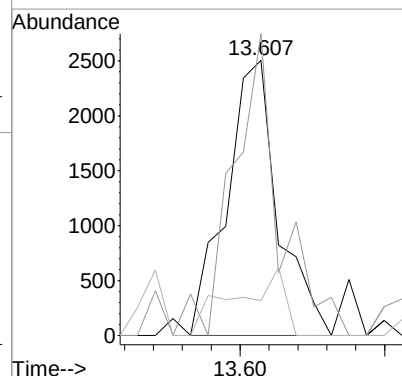
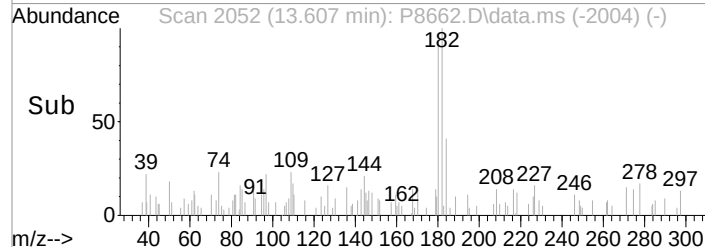




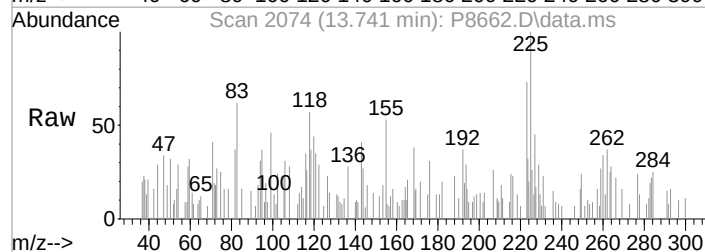
#115
1,2,4-Tcbenzene
Concen: 0.39 ppb
RT: 13.607 min Scan# 2052
Delta R.T. 0.000 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm



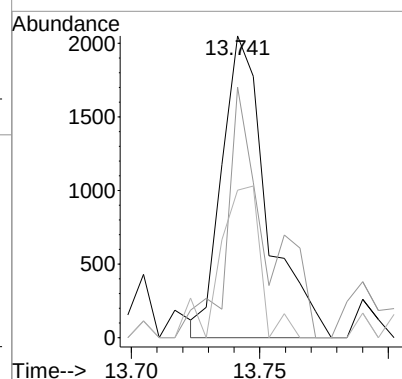
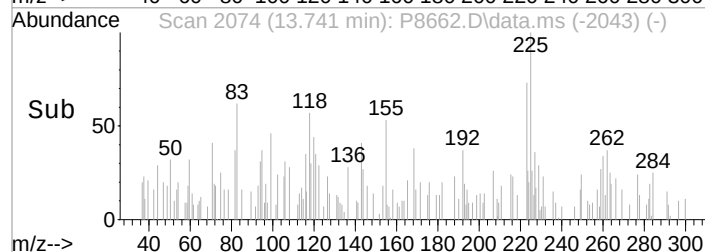
Tgt Ion:180 Resp: 3122
Ion Ratio Lower Upper
180 100
182 115.6 71.4 111.4#
145 21.1 8.8 48.8

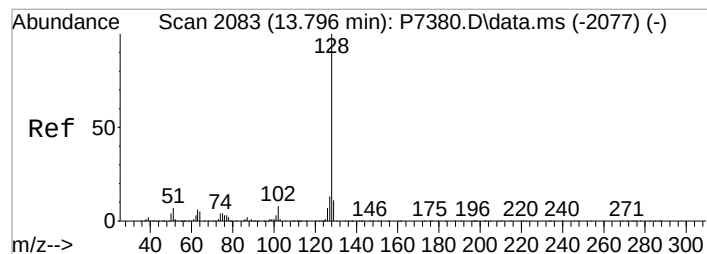


#116
Hexachlorobt
Concen: 0.69 ppb
RT: 13.741 min Scan# 2074
Delta R.T. -0.006 min
Lab File: P8662.D
Acq: 24 Mar 2017 1:41 pm



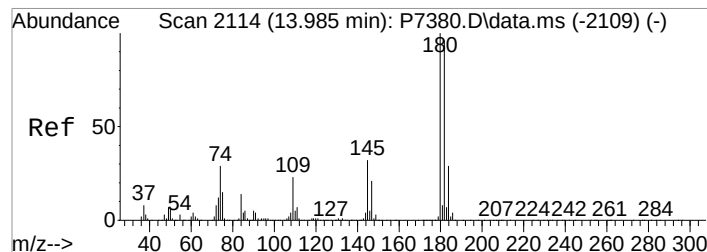
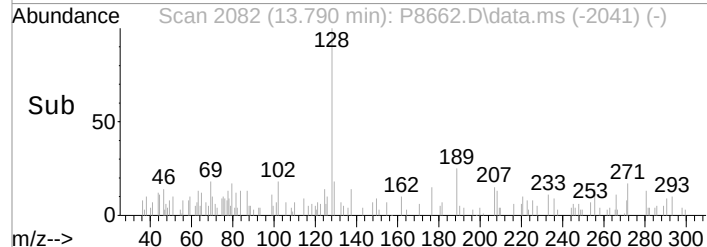
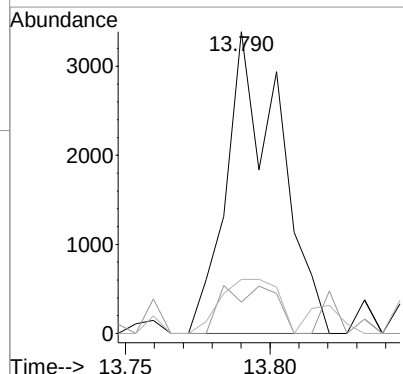
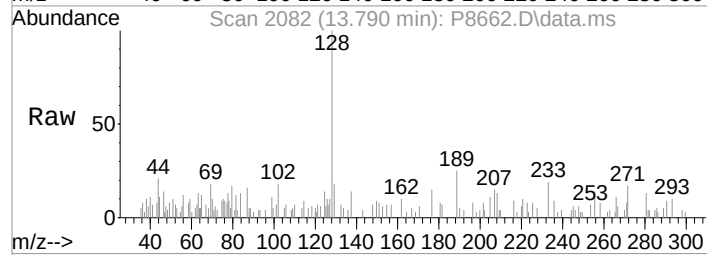
Tgt Ion:225 Resp: 2507
Ion Ratio Lower Upper
225 100
223 83.0 42.2 82.2#
227 48.9 47.7 87.7





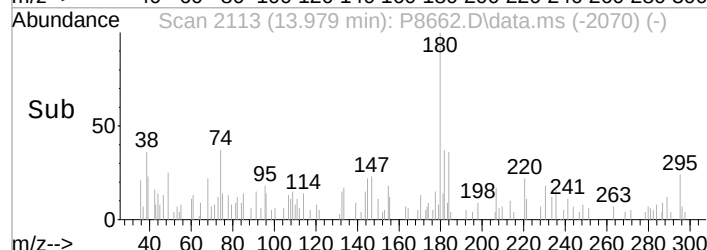
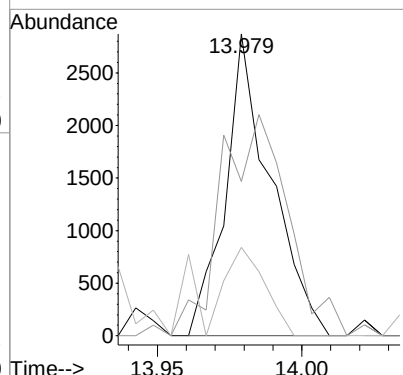
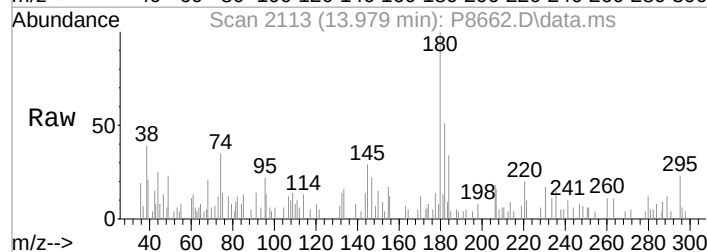
#117
 Naphthalen
 Concen: 0.29 ppb
 RT: 13.790 min Scan# 2082
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

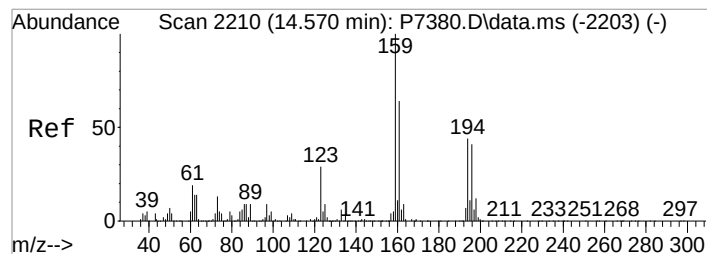
Tgt Ion:128	Resp:	4343
Ion Ratio	Lower	Upper
128 100		
127 10.4	0.0	32.8
102 17.9	0.0	28.5



#118
 1,2,3-Tclbenzene
 Concen: 0.47 ppb
 RT: 13.979 min Scan# 2113
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

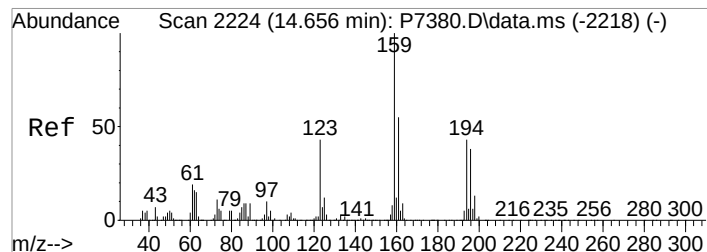
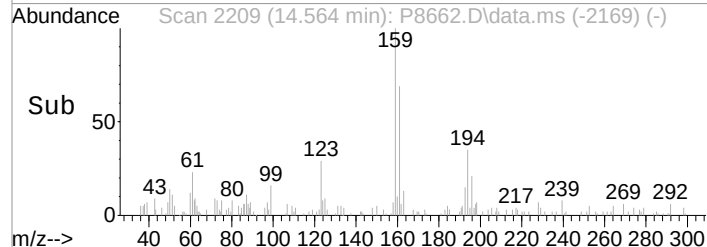
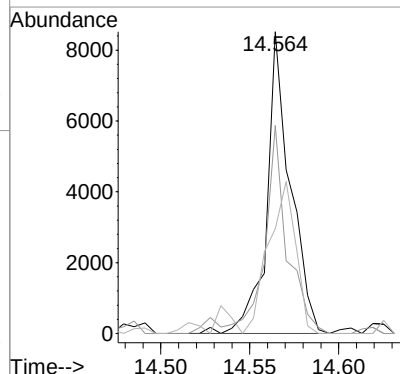
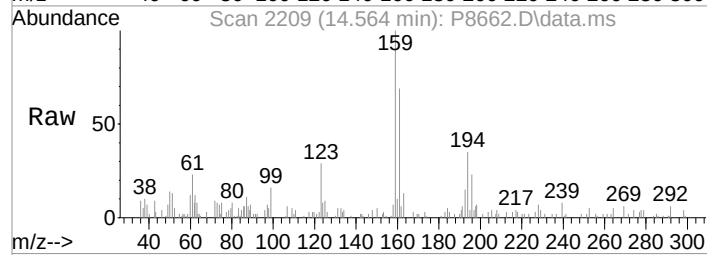
Tgt Ion:180	Resp:	3134
Ion Ratio	Lower	Upper
180 100		
182 51.1	75.9	115.9#
145 29.2	11.8	51.8





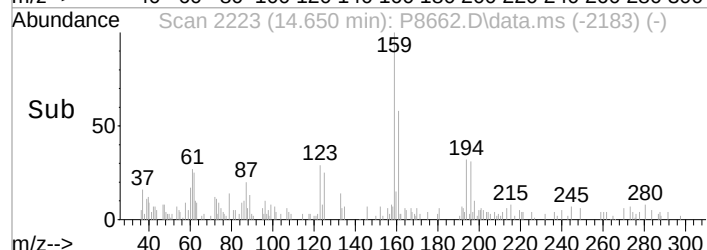
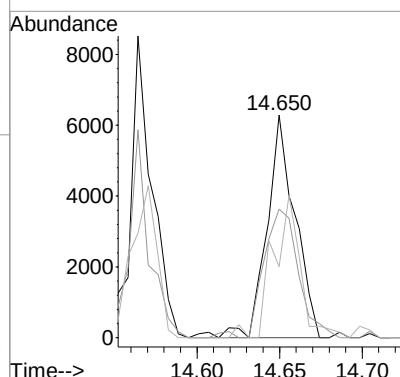
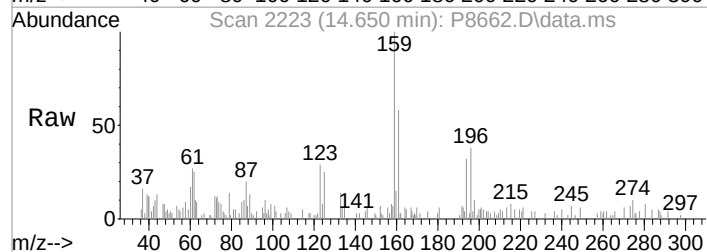
#119
 2,4,5-Trichlorotoluene
 Concen: 1.53 ppb
 RT: 14.564 min Scan# 2209
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	7863		
161	75.0	51.0	76.4	
194	34.6	35.4	53.2#	



#120
 2,3,6-Trichlorotoluene
 Concen: 1.75 ppb
 RT: 14.650 min Scan# 2223
 Delta R.T. -0.006 min
 Lab File: P8662.D
 Acq: 24 Mar 2017 1:41 pm

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	7494		
161	52.9	44.3	66.5	
194	27.7	34.8	52.2#	



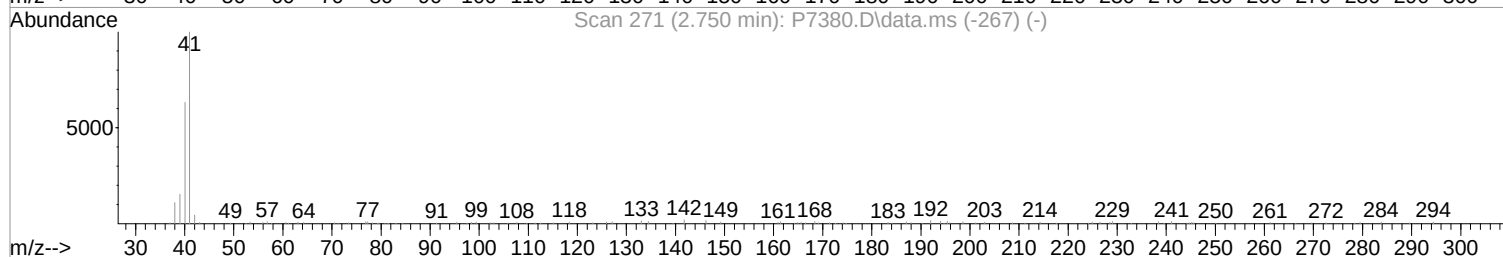
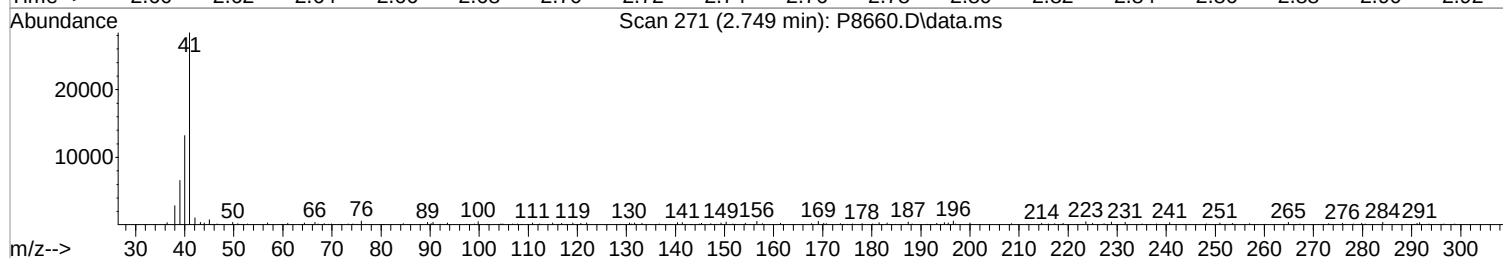
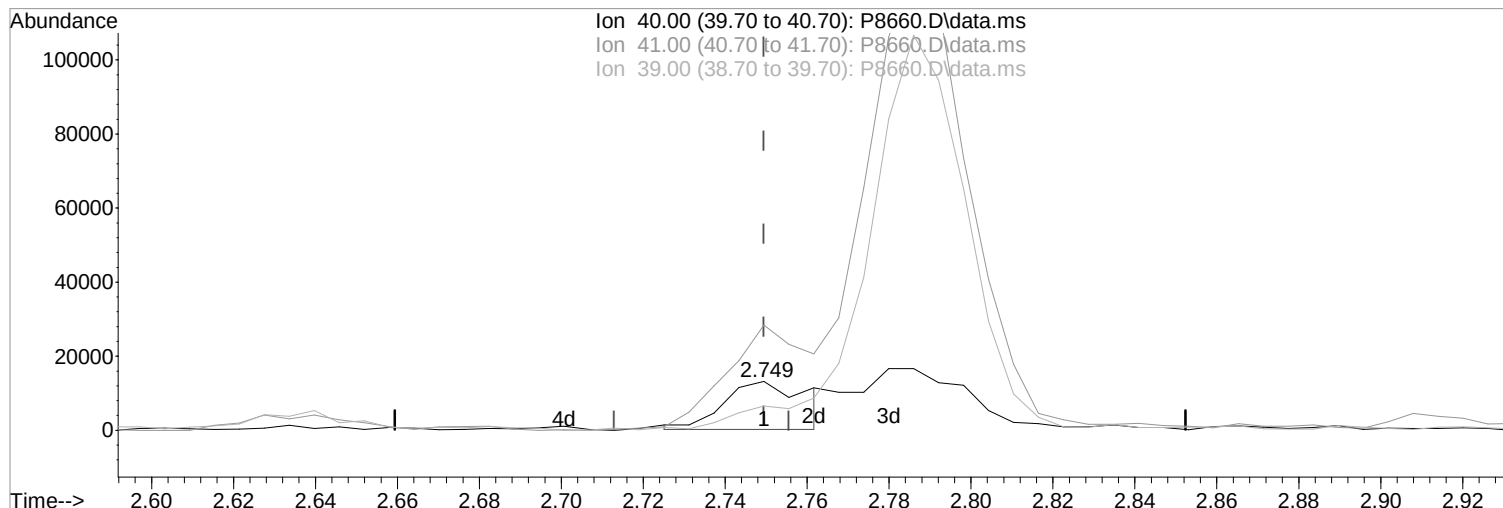
Quantitation Report (Qedit)

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8660.D\data.ms

(19) Acetonitrile

2.749min (+0.000) 101.86 ppb m

response 18208

Ion	Exp%	Act%
40.00	100	100
41.00	161.50	214.96#
39.00	26.70	49.86#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

03/24/17

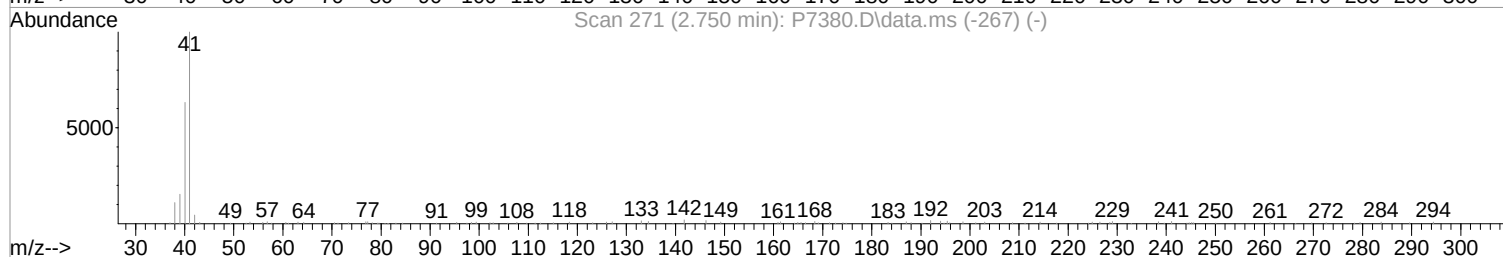
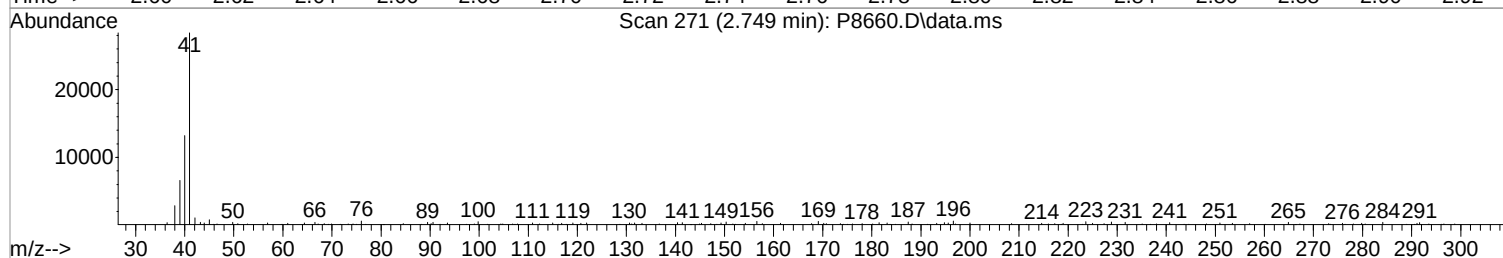
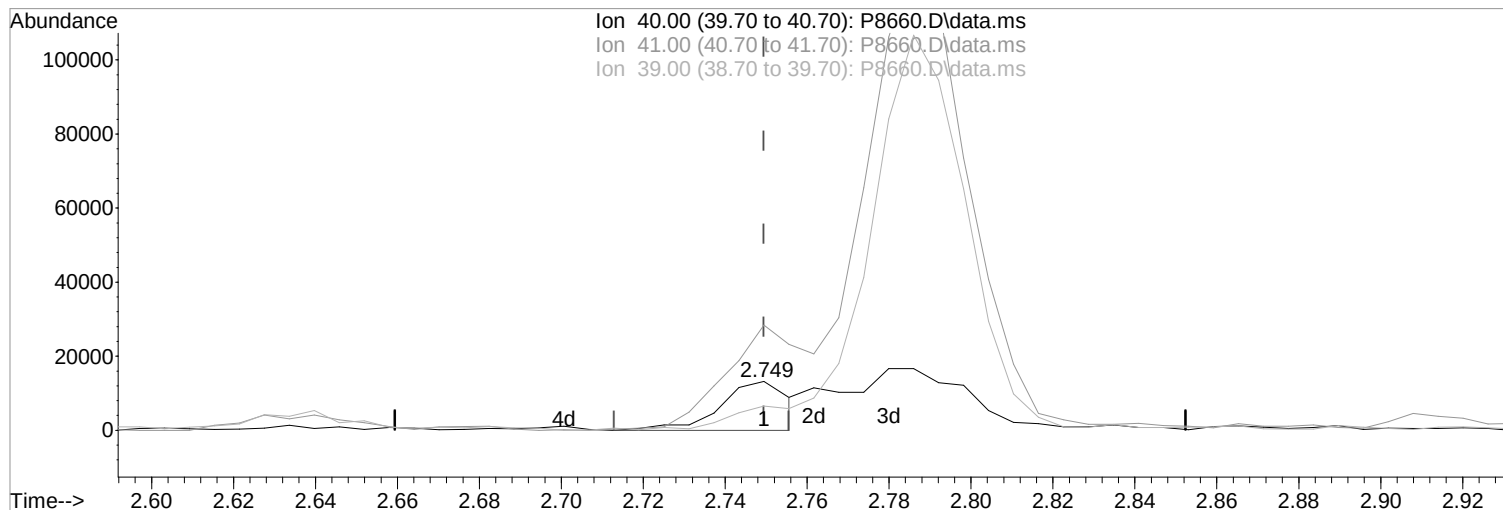
Quantitation Report (Qedit)

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8660.D\data.ms

(19) Acetonitrile

Manual Integration:

2.749min (+0.000) 85.29 ppb

Before

response 15246

Ion Exp% Act%

03/24/17

40.00 100 100

41.00 161.50 214.96#

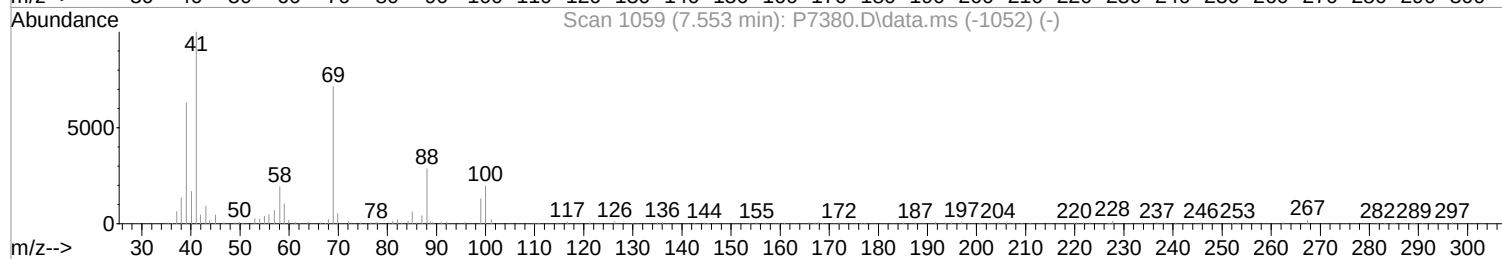
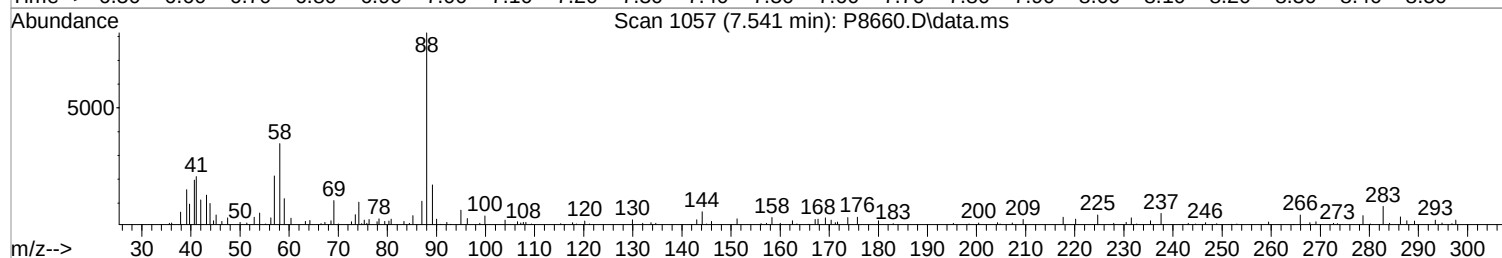
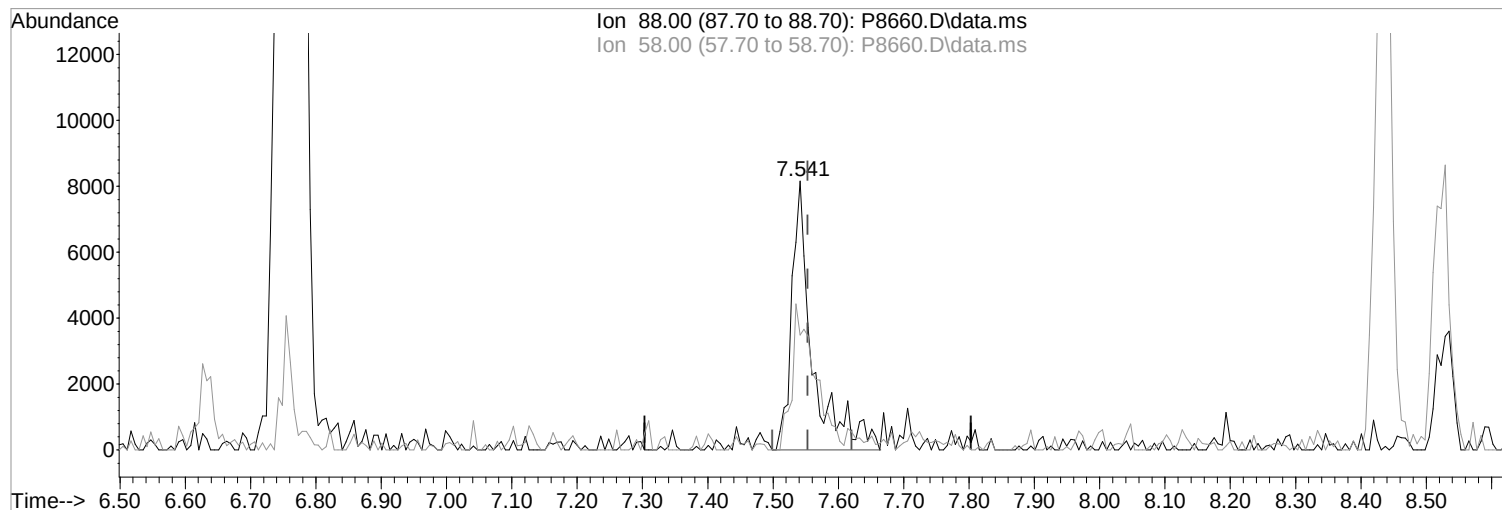
39.00 26.70 49.86#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8660.D\data.ms

(58) 1,4-Dioxane

7.541min (-0.012) 366.61 ppb m

response 18106

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	42.79#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

03/24/17

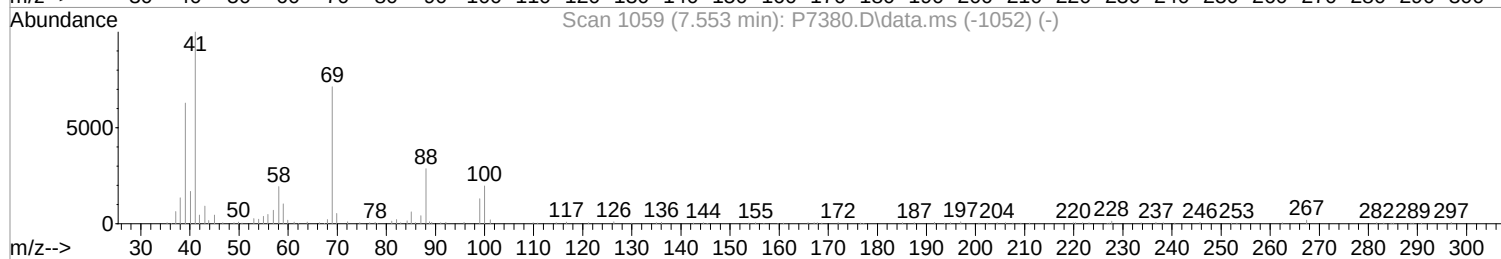
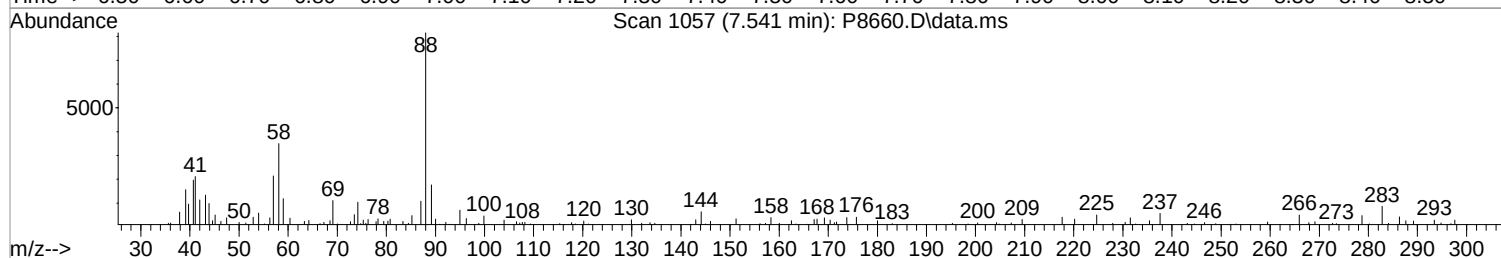
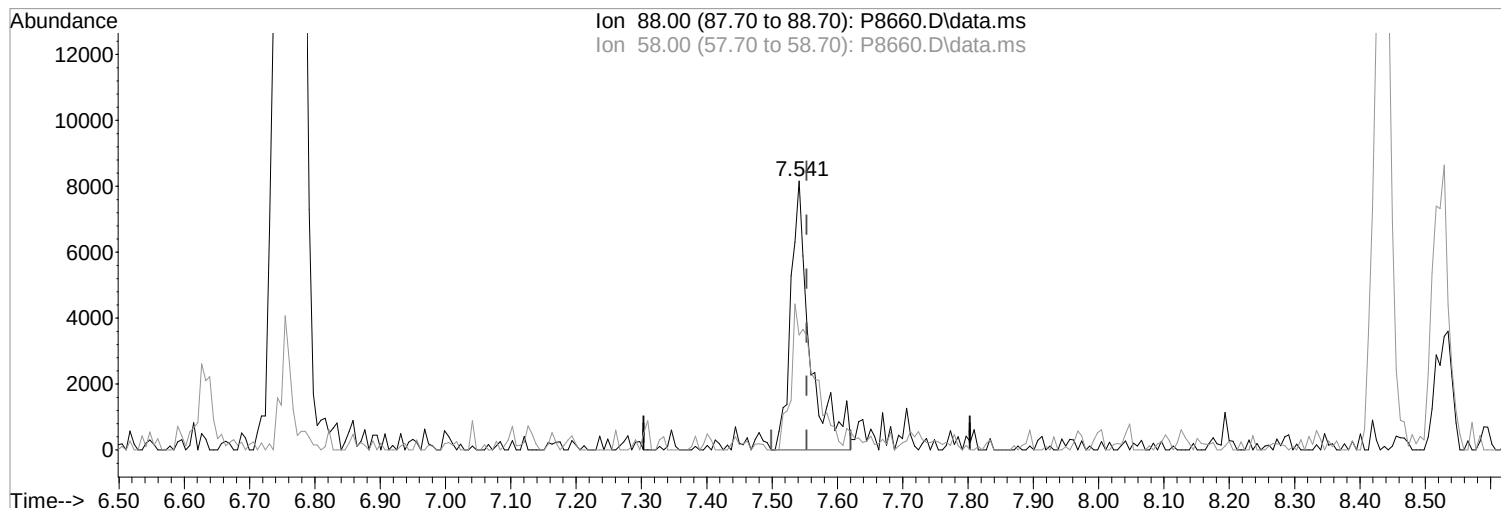
Quantitation Report (Qedit)

1st *BA* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8660.D
Acq On : 24 Mar 2017 12:41 pm
Operator : K.Ruest
Sample : LCS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:00:33 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8660.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.541min (-0.012) 339.46 ppb

Before

response 16856

Ion Exp% Act%

03/24/17

88.00 100 100

58.00 67.50 42.79#

0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8660.D
 Acq On : 24 Mar 2017 12:41 pm
 Operator : K.Ruest
 Sample : LCS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:02:07 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	848404	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1385870	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1265677	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.010	152	631868	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	408636	54.64	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	109.28%	
48) surr1,1,2-dichloroetha...	6.090	65	447698	53.92	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	107.84%	
65) SURR3,Toluene-d8	8.523	98	1679447	54.32	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	108.64%	
70) SURR2,BFB	11.047	95	603680	50.39	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	100.78%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.213	85	191065	18.51	ppb	96
3) Chloromethane	1.347	50	162819	17.60	ppb	97
4) Vinyl Chloride	1.427	62	172001	20.99	ppb	100
5) Bromomethane	1.683	94	90206	21.79	ppb	88
6) Chloroethane	1.762	64	89976	20.73	ppb	94
7) Freon 21	1.920	67	226975	21.88	ppb	95
8) Trichlorofluoromethane	1.969	101	190554	20.77	ppb	97
9) Diethyl Ether	2.225	59	78802	20.21	ppb	# 81
10) Freon 123a	2.231	67	154347	23.98	ppb	91
11) Freon 123	2.286	83	173669	23.40	ppb	98
12) Acrolein	2.329	56	16804	26.17	ppb	94
13) 1,1-Dicethene	2.426	96	121800	20.27	ppb	95
14) Freon 113	2.439	101	115701	17.82	ppb	82
15) Acetone	2.481	43	30598	24.55	ppb	92
16) 2-Propanol	2.634	45	86973	413.30	ppb	93
17) Iodomethane	2.567	142	186771	21.18	ppb	97
18) Carbon Disulfide	2.628	76	388001	21.18	ppb	97
19) Acetonitrile	2.749	40	18208m	101.86	ppb	
20) Allyl Chloride	2.786	76	72110	20.12	ppb	94
21) Methyl Acetate	2.829	43	58080	19.55	ppb	99
22) Methylene Chloride	2.914	84	134992	20.50	ppb	95
23) TBA	3.079	59	145405	417.57	ppb	92
24) Acrylonitrile	3.201	53	151409	104.15	ppb	89
25) Methyl-t-Butyl Ether	3.255	73	310568	19.60	ppb	99
26) trans-1,2-Dichloroethene	3.237	96	132359	19.00	ppb	97
28) 1,1-Dicethane	3.786	63	238971	20.49	ppb	99
29) Vinyl Acetate	3.902	86	20742	18.26	ppb	# 94
30) DIPE	3.932	45	451354	20.83	ppb	98
31) 2-Chloro-1,3-Butadiene	3.914	53	206727	20.68	ppb	94
32) ETBE	4.511	59	402901	21.93	ppb	96
33) 2,2-Dichloropropane	4.694	77	184260	20.05	ppb	96
34) cis-1,2-Dichloroethene	4.700	96	147728	19.91	ppb	96
35) 2-Butanone	4.767	43	32575	17.77	ppb	95
36) Propionitrile	4.853	54	54047	97.39	ppb	92
37) Bromochloromethane	5.133	130	86414	21.32	ppb	97
38) Methacrylonitrile	5.139	67	35533	19.64	ppb	# 81
39) Tetrahydrofuran	5.237	42	20646	17.58	ppb	89
40) Chloroform	5.316	83	228315	20.13	ppb	99
41) 1,1,1-Trichloroethane	5.584	97	194192	19.52	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8660.D
 Acq On : 24 Mar 2017 12:41 pm
 Operator : K.Ruest
 Sample : LCS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 13:02:07 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	351688	21.68	ppb	99
44) Cyclohexane	5.664	41	124726	17.21	ppb	93
46) Carbontetrachloride	5.846	121	47488	18.60	ppb	91
47) 1,1-Dichloropropene	5.859	75	177658	19.24	ppb	94
49) Benzene	6.163	78	516090	21.05	ppb	98
50) 1,2-Dichloroethane	6.200	62	171912	19.84	ppb	96
51) Iso-Butyl Alcohol	6.188	43	68354	446.99	ppb	81
52) n-Heptane	6.639	43	115293	13.96	ppb	95
53) 1-Butanol	7.108	56	103733	1169.14	ppb	98
54) Trichloroethene	7.072	130	136132	19.02	ppb	94
55) Methylcyclohexane	7.303	55	125683	14.88	ppb	93
56) 1,2-Dicloropropane	7.346	63	135599	19.52	ppb	99
57) Dibromomethane	7.486	93	71540	20.33	ppb	89
58) 1,4-Dioxane	7.541	88	18106m	366.61	ppb	
59) Methyl Methacrylate	7.566	69	65517	19.68	ppb	# 86
60) Bromodichloromethane	7.706	83	170159	19.93	ppb	99
61) 2-Nitropropane	7.974	41	33227	49.18	ppb	# 80
62) 2-Chloroethylvinyl Ether	8.102	63	65020	19.50	ppb	96
63) cis-1,3-Dichloropropene	8.236	75	208678	20.85	ppb	97
64) 4-Methyl-2-pentanone	8.431	43	90887	20.81	ppb	99
66) Toluene	8.596	91	573092	19.96	ppb	94
67) trans-1,3-Dichloropropene	8.858	75	173160	21.08	ppb	96
68) Ethyl Methacrylate	8.992	69	132576	20.86	ppb	99
69) 1,1,2-Trichloroethane	9.041	97	106286	21.82	ppb	82
72) Tetrachloroethene	9.175	164	98548	17.95	ppb	93
73) 2-Hexanone	9.327	43	57349	20.12	ppb	81
74) 1,3-Dichloropropane	9.206	76	180285	21.05	ppb	91
75) Dibromochloromethane	9.431	129	115208	23.55	ppb	91
76) N-Butyl Acetate	9.474	43	149172	21.45	ppb	98
77) 1,2-Dibromoethane	9.523	107	102485	22.96	ppb	98
78) Chlorobenzene	10.010	112	364517	20.50	ppb	96
79) 3-CBTF	10.022	180	175956	17.49	ppb	94
80) 4-CBTF	10.077	180	158232	17.13	ppb	98
81) 1,1,1,2-Tetrachloroethane	10.096	131	129207	22.10	ppb	97
82) Ethylbenzene	10.126	106	190397	19.26	ppb	93
83) (m+p)Xylene	10.236	106	475763	40.82	ppb	99
84) o-Xylene	10.589	106	228305	19.66	ppb	90
85) Styrene	10.602	104	405885	20.91	ppb	94
87) Bromoform	10.754	173	59602	25.46	ppb	96
88) 2-CBTF	10.833	180	170834	19.66	ppb	99
89) Isopropylbenzene	10.919	105	552725	21.40	ppb	96
90) Cyclohexanone	10.986	55	68326	150.39	ppb	90
91) trans-1,4-Dichloro-2-B...	11.217	53	25309	21.17	ppb	91
92) 1,1,2,2-Tetrachloroethane	11.175	83	122280	24.74	ppb	92
93) Bromobenzene	11.169	156	151437	21.60	ppb	96
94) 1,2,3-Trichloropropane	11.205	110	34011	21.50	ppb	94
95) n-Propylbenzene	11.272	91	622777	20.89	ppb	97
96) 2-Chlorotoluene	11.339	91	399358	22.25	ppb	92
97) 3-Chlorotoluene	11.388	91	424108	21.31	ppb	98
98) 4-Chlorotoluene	11.431	91	462899	22.12	ppb	99
99) 1,3,5-Trimethylbenzene	11.425	105	432703	19.33	ppb	97
100) tert-Butylbenzene	11.693	119	340153	18.56	ppb	99
101) 1,2,4-Trimethylbenzene	11.735	105	447561	19.48	ppb	96
102) 3,4-DCBTF	11.796	214	114706	17.03	ppb	93
103) sec-Butylbenzene	11.876	105	491066	18.23	ppb	98
104) p-Isopropyltoluene	11.998	119	435260	19.31	ppb	97

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Operator : K.Ruest
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

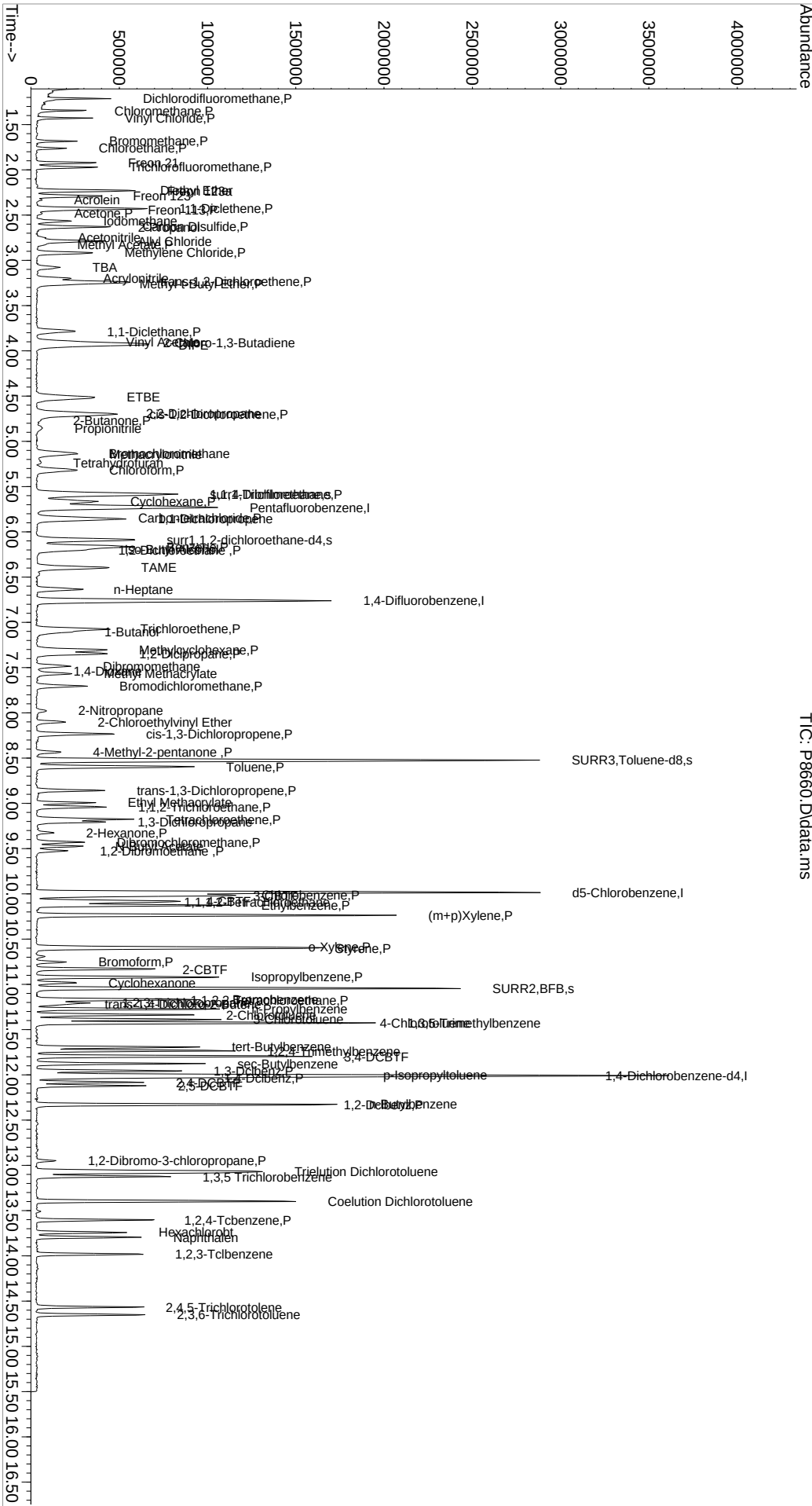
Quant Time: Mar 24 13:02:07 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.955	146	255044	19.03	ppb	95
106) 1,4-Dclbenz	12.034	146	278181	19.89	ppb	98
107) 2,4-DCBTF	12.083	214	99198	15.99	ppb	98
108) 2,5-DCBTF	12.120	214	112882	17.15	ppb	96
109) n-Butylbenzene	12.327	91	374772	18.23	ppb	98
110) 1,2-Dclbenz	12.333	146	255727	20.41	ppb	94
111) 1,2-Dibromo-3-chloropr...	12.949	157	21336	22.09	ppb	87
112) Trielution Dichlorotol...	13.071	125	626168	58.07	ppb	95
113) 1,3,5 Trichlorobenzene	13.125	180	173210	18.12	ppb	96
114) Coelution Dichlorotoluene	13.400	125	467894	40.16	ppb	98
115) 1,2,4-Tcbenzene	13.607	180	158155	19.02	ppb	96
116) Hexachlorobt	13.741	225	64467	17.02	ppb	95
117) Naphthalen	13.796	128	349608	22.77	ppb	95
118) 1,2,3-Tclbenzene	13.985	180	137159	20.03	ppb	95
119) 2,4,5-Trichlorotoluene	14.570	159	119837	22.52	ppb	96
120) 2,3,6-Trichlorotoluene	14.650	159	111717	25.22	ppb	97

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

1st 03/24/17
 2nd 03/28/17
 Data Path : I:\ACQDATA\msvoa12\Data\032417\
 Data File : P8660.D
 Acq On : 24 Mar 2017 12:41 pm
 Operator : K.Ruest
 Sample : LCS
 PALS Vial : 5 Sample Multiplier: 1
 Inst : MSVOA-12

Quant Time: Mar 24 13:02:07 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8679.D
 Acq On : 24 Mar 2017 10:13 pm
 Operator : K.Ruest
 Sample : R1702494-003MS|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:05 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	792547	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1323384	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1217267	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	651477	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	394650	55.26	ppb	0.00
Spiked Amount 50.000	Range 89	- 119	Recovery	=	110.52%	
48) surr1,1,2-dichloroetha...	6.090	65	432861	54.60	ppb	0.00
Spiked Amount 50.000	Range 73	- 125	Recovery	=	109.20%	
65) SURR3,Toluene-d8	8.523	98	1636593	55.43	ppb	0.00
Spiked Amount 50.000	Range 87	- 121	Recovery	=	110.86%	
70) SURR2,BFB	11.047	95	600825	52.52	ppb	0.00
Spiked Amount 50.000	Range 85	- 122	Recovery	=	105.04%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.213	85	480875	49.86	ppb	97
3) Chloromethane	1.341	50	439287	50.83	ppb	97
4) Vinyl Chloride	1.427	62	450804	58.90	ppb	98
5) Bromomethane	1.683	94	180762	46.73	ppb	89
6) Chloroethane	1.762	64	221355	54.59	ppb	98
7) Freon 21	1.920	67	554975	57.28	ppb	97
8) Trichlorofluoromethane	1.969	101	449129	52.39	ppb	99
9) Diethyl Ether	2.225	59	206547	56.71	ppb	96
10) Freon 123a	2.231	67	380798	63.32	ppb	97
11) Freon 123	2.286	83	398697	57.52	ppb	96
12) Acrolein	2.329	56	19361	32.28	ppb	95
13) 1,1-Dicethene	2.426	96	296817	52.87	ppb	96
14) Freon 113	2.432	101	304353	50.18	ppb	94
15) Acetone	2.481	43	52020	44.69	ppb	93
16) 2-Propanol	2.634	45	204873	1042.19	ppb	96
17) Iodomethane	2.560	142	318437	38.65	ppb	94
18) Carbon Disulfide	2.628	76	614308	35.89	ppb	98
19) Acetonitrile	2.756	40	43469	260.32	ppb	# 67
20) Allyl Chloride	2.786	76	103793	31.00	ppb	# 90
21) Methyl Acetate	2.823	43	146747	52.89	ppb	91
22) Methylene Chloride	2.920	84	320972	52.17	ppb	96
23) TBA	3.079	59	355198	1091.94	ppb	95
24) Acrylonitrile	3.201	53	348572	256.66	ppb	88
25) Methyl-t-Butyl Ether	3.255	73	743515	50.22	ppb	96
26) trans-1,2-Dichloroethene	3.237	96	335577	51.57	ppb	97
28) 1,1-Dicethane	3.780	63	606538	55.66	ppb	97
29) Vinyl Acetate	3.902	86	50316	47.42	ppb	# 68
30) DIPE	3.932	45	1089758	53.83	ppb	99
31) 2-Chloro-1,3-Butadiene	3.914	53	487581	52.23	ppb	99
32) ETBE	4.517	59	951604	55.46	ppb	99
33) 2,2-Dichloropropane	4.700	77	430959	50.19	ppb	96
34) cis-1,2-Dichloroethene	4.700	96	383112	55.28	ppb	90
35) 2-Butanone	4.767	43	91308	53.33	ppb	91
36) Propionitrile	4.853	54	123482	238.20	ppb	76
37) Bromochloromethane	5.127	130	203488	53.74	ppb	94
38) Methacrylonitrile	5.151	67	83963	49.69	ppb	97
39) Tetrahydrofuran	5.237	42	51863	47.29	ppb	94
40) Chloroform	5.316	83	577873	54.53	ppb	99
41) 1,1,1-Trichloroethane	5.590	97	514758	55.40	ppb	92

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8679.D
 Acq On : 24 Mar 2017 10:13 pm
 Operator : K.Ruest
 Sample : R1702494-003MS|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:05 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	825156	54.44	ppb	99
44) Cyclohexane	5.670	41	313640	45.32	ppb	94
46) Carbontetrachloride	5.846	121	111163	45.60	ppb	100
47) 1,1-Dichloropropene	5.865	75	446433	50.64	ppb	94
49) Benzene	6.163	78	1312392	56.05	ppb	98
50) 1,2-Dichloroethane	6.200	62	415967	50.28	ppb	96
51) Iso-Butyl Alcohol	6.194	43	149521	1023.93	ppb	100
52) n-Heptane	6.639	43	263176	33.37	ppb	95
53) 1-Butanol	7.108	56	240754	2841.58	ppb	98
54) Trichloroethene	7.072	130	418530	61.25	ppb	97
55) Methylcyclohexane	7.310	55	313683	38.90	ppb	97
56) 1,2-Dichloropropane	7.346	63	325697	49.10	ppb	91
57) Dibromomethane	7.480	93	174340	51.88	ppb	86
58) 1,4-Dioxane	7.547	88	39000	871.43	ppb	81
59) Methyl Methacrylate	7.572	69	157227	49.47	ppb	# 85
60) Bromodichloromethane	7.706	83	398725	48.92	ppb	96
61) 2-Nitropropane	7.980	41	87295	135.30	ppb	100
63) cis-1,3-Dichloropropene	8.236	75	367075	38.41	ppb	95
64) 4-Methyl-2-pentanone	8.437	43	222372	53.31	ppb	97
66) Toluene	8.596	91	1467647	53.54	ppb	99
67) trans-1,3-Dichloropropene	8.858	75	308834	39.37	ppb	97
68) Ethyl Methacrylate	8.992	69	321446	52.97	ppb	99
69) 1,1,2-Trichloroethane	9.041	97	245844	52.86	ppb	93
72) Tetrachloroethene	9.175	164	261769	49.58	ppb	89
73) 2-Hexanone	9.321	43	147002	53.63	ppb	88
74) 1,3-Dichloropropane	9.206	76	436458	52.98	ppb	97
75) Dibromochloromethane	9.431	129	277542	58.98	ppb	94
76) N-Butyl Acetate	9.474	43	352176	52.65	ppb	97
77) 1,2-Dibromoethane	9.523	107	247311	57.62	ppb	98
78) Chlorobenzene	10.010	112	960990	56.18	ppb	95
79) 3-CBTF	10.029	180	452968	46.81	ppb	98
80) 4-CBTF	10.077	180	416190	46.86	ppb	99
81) 1,1,1,2-Tetrachloroethane	10.096	131	314633	55.95	ppb	93
82) Ethylbenzene	10.126	106	511676	53.82	ppb	97
83) (m+p)Xylene	10.236	106	1226659	109.44	ppb	96
84) o-Xylene	10.589	106	609157	54.54	ppb	94
85) Styrene	10.608	104	871904	46.70	ppb	99
87) Bromoform	10.754	173	137790	54.78	ppb	96
88) 2-CBTF	10.833	180	454537	50.73	ppb	100
89) Isopropylbenzene	10.925	105	1434508	53.88	ppb	99
90) Cyclohexanone	10.986	55	124505	265.80	ppb	94
91) trans-1,4-Dichloro-2-B...	11.223	53	32692	26.48	ppb	86
92) 1,1,2,2-Tetrachloroethane	11.175	83	300196	58.92	ppb	98
93) Bromobenzene	11.169	156	379083	52.44	ppb	92
94) 1,2,3-Trichloropropane	11.205	110	86270	52.88	ppb	# 85
95) n-Propylbenzene	11.272	91	1673965	54.46	ppb	100
96) 2-Chlorotoluene	11.339	91	1036876	56.04	ppb	100
97) 3-Chlorotoluene	11.388	91	1106533	53.94	ppb	98
98) 4-Chlorotoluene	11.431	91	1188047	55.06	ppb	97
99) 1,3,5-Trimethylbenzene	11.425	105	1116388	48.36	ppb	99
100) tert-Butylbenzene	11.699	119	912691	48.30	ppb	97
101) 1,2,4-Trimethylbenzene	11.736	105	1170887	49.43	ppb	98
102) 3,4-DCBTF	11.796	214	275727	39.71	ppb	95
103) sec-Butylbenzene	11.876	105	1286551	46.33	ppb	95
104) p-Isopropyltoluene	11.998	119	1089880	46.90	ppb	97
105) 1,3-Dichlorobenz	11.961	146	716950	51.89	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8679.D
 Acq On : 24 Mar 2017 10:13 pm
 Operator : K.Ruest
 Sample : R1702494-003MS|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA-12

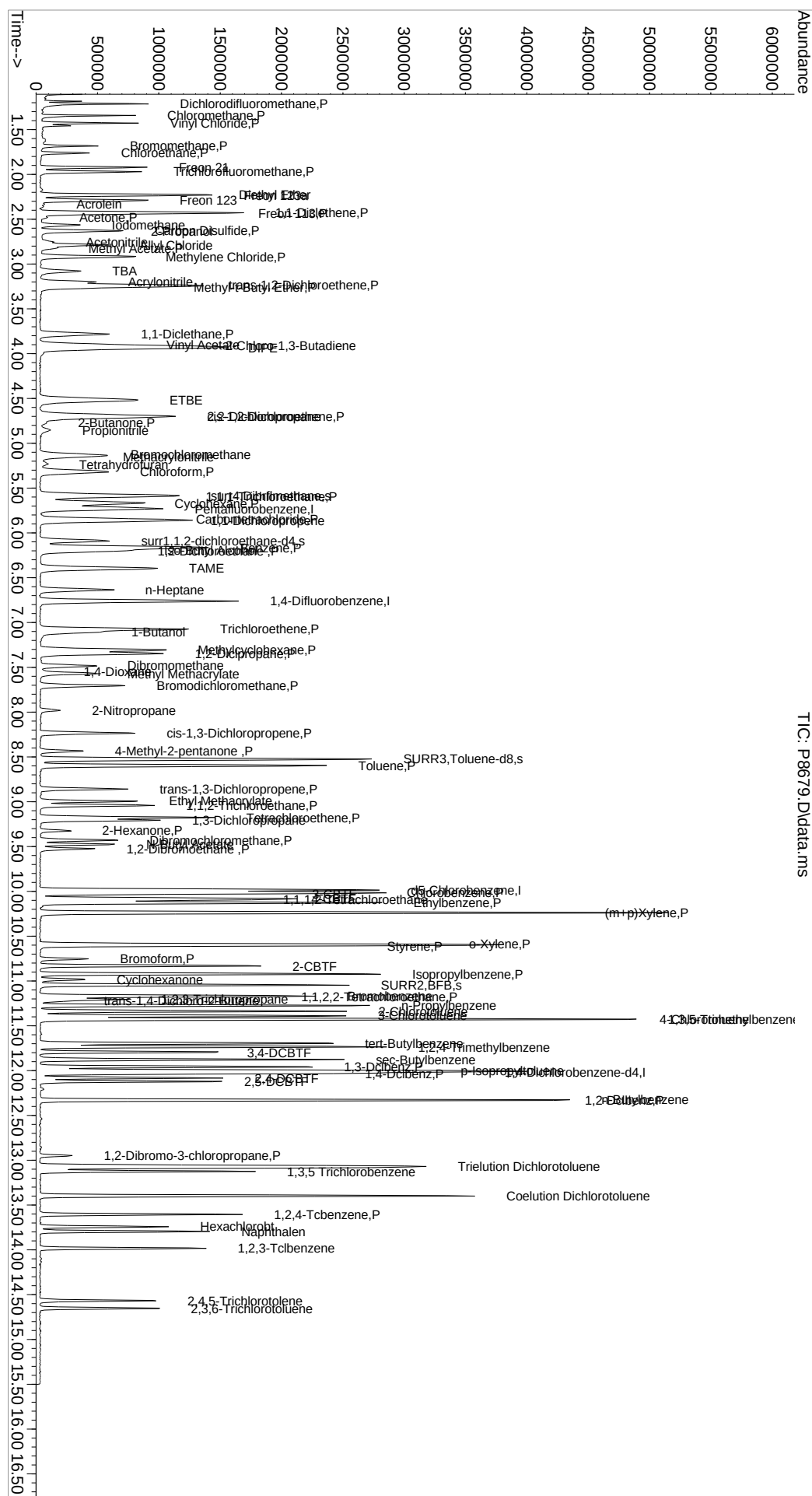
Quant Time: Mar 27 09:11:05 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	12.034	146	703089	48.75	ppb	95
107) 2,4-DCBTF	12.083	214	251457	39.32	ppb	96
108) 2,5-DCBTF	12.126	214	283862	41.84	ppb	99
109) n-Butylbenzene	12.327	91	976952	46.09	ppb	98
110) 1,2-Dclbenz	12.333	146	657584	50.89	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.949	157	48585	48.78	ppb #	82
112) Trielution Dichlorotol...	13.071	125	1570714	141.29	ppb	98
113) 1,3,5 Trichlorobenzene	13.126	180	395494	40.13	ppb	98
114) Coelution Dichlorotoluene	13.400	125	1124457	93.62	ppb	100
115) 1,2,4-Tcbenzene	13.607	180	366731	42.77	ppb	99
116) Hexachlorobt	13.741	225	129041	33.05	ppb	94
117) Naphthalen	13.796	128	806528	50.95	ppb	99
118) 1,2,3-Tclbenzene	13.985	180	298336	42.26	ppb	99
119) 2,4,5-Trichlorotoluene	14.570	159	199061	36.29	ppb	94
120) 2,3,6-Trichlorotoluene	14.656	159	195500	42.81	ppb	98

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

Quant Time: Mar 27 09:11:05 2017
Quant Method : I:\ACQ\DATA\msv0a12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
Quant Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration

Inst : MSVOA-12



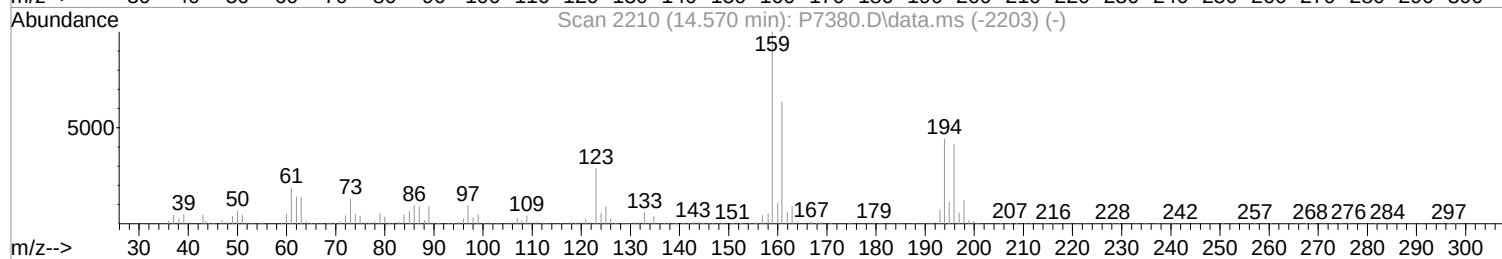
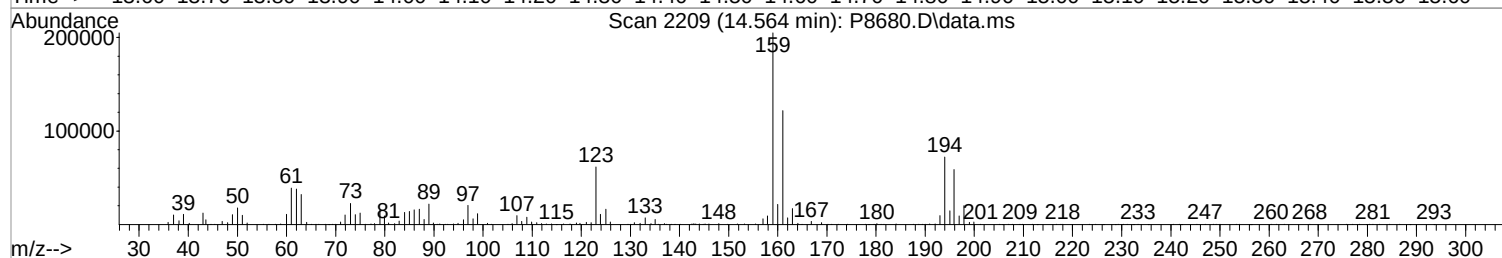
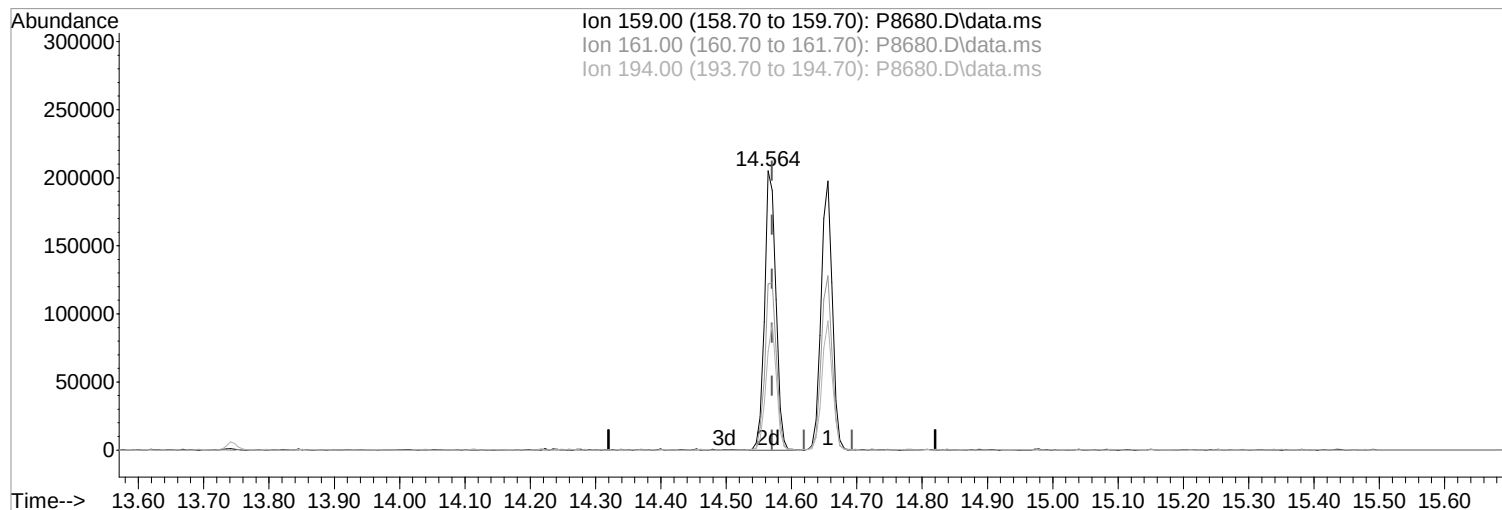
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8680.D
Acq On : 24 Mar 2017 10:43 pm
Operator : K.Ruest
Sample : R1702494-003DMS|1.0
Misc : VERINA 8260 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:30 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8680.D\data.ms

(119) 2,4,5-Trichlorotoluene

14.564min (-0.006) 44.69 ppb m

response 244746

Ion	Exp%	Act%
159.00	100	100
161.00	63.70	59.38
194.00	44.30	35.23#
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

03/27/17

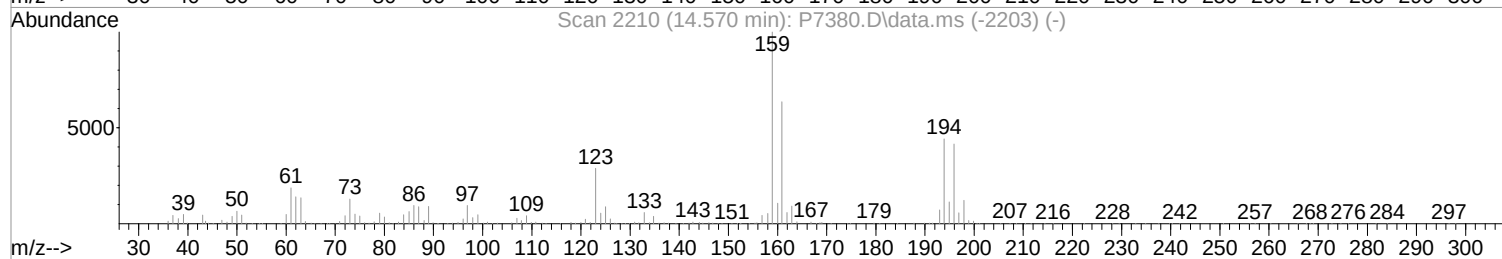
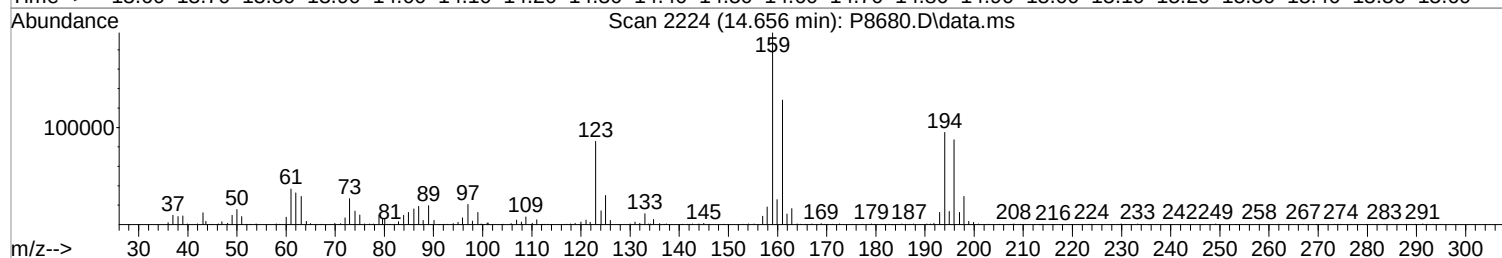
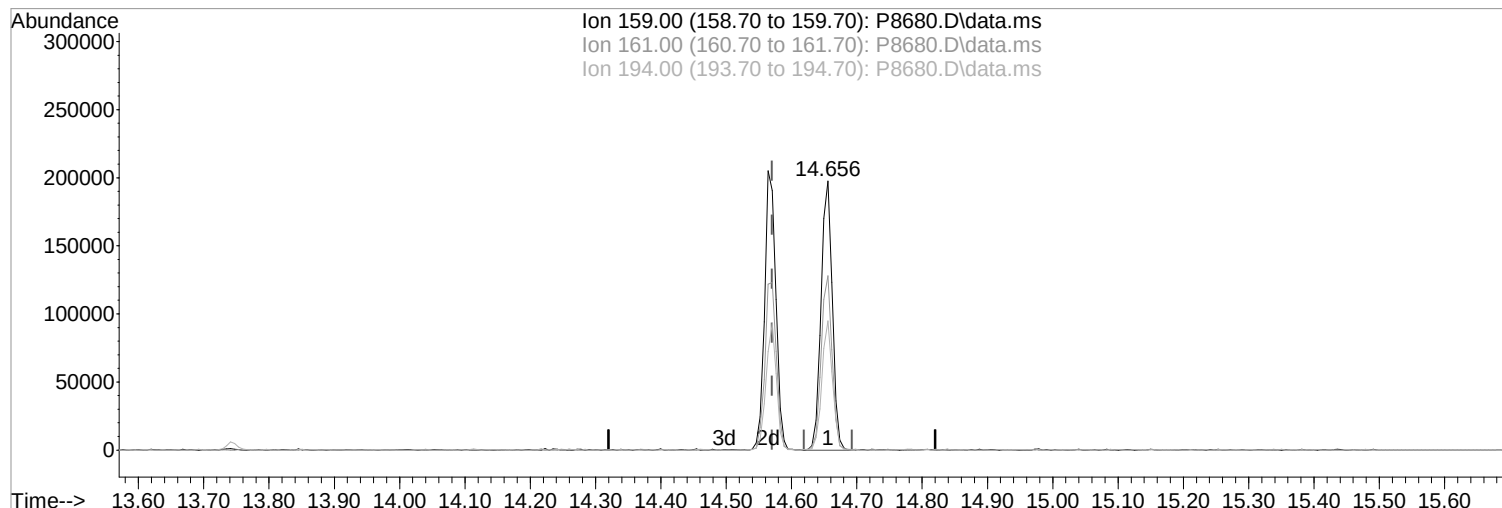
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8680.D
Acq On : 24 Mar 2017 10:43 pm
Operator : K.Ruest
Sample : R1702494-003DMS|1.0
Misc : VERINA 8260 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:30 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8680.D\data.ms

(119) 2,4,5-Trichlorotoluene

Manual Integration:

14.656min (+0.085) 43.12 ppb

Before

response 236147

Ion Exp% Act%

03/27/17

159.00 100 100

161.00 63.70 64.81

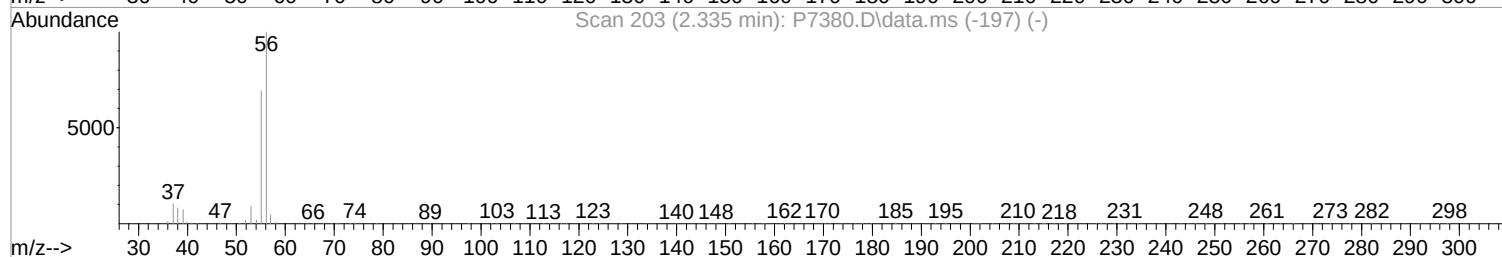
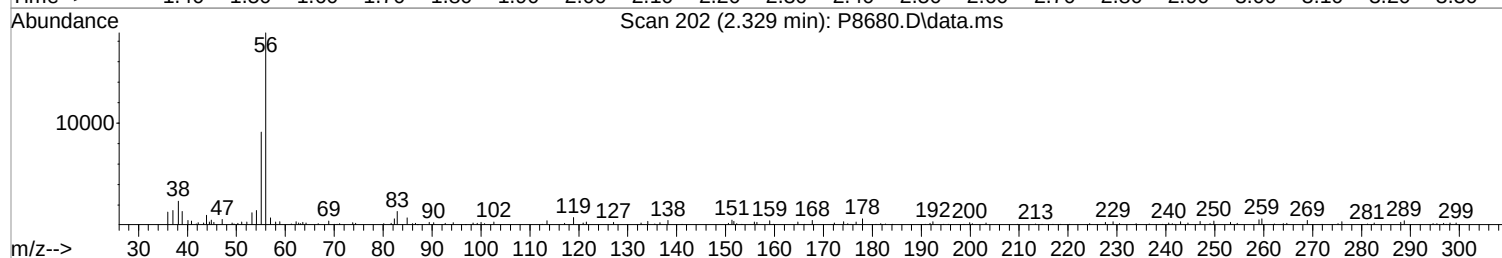
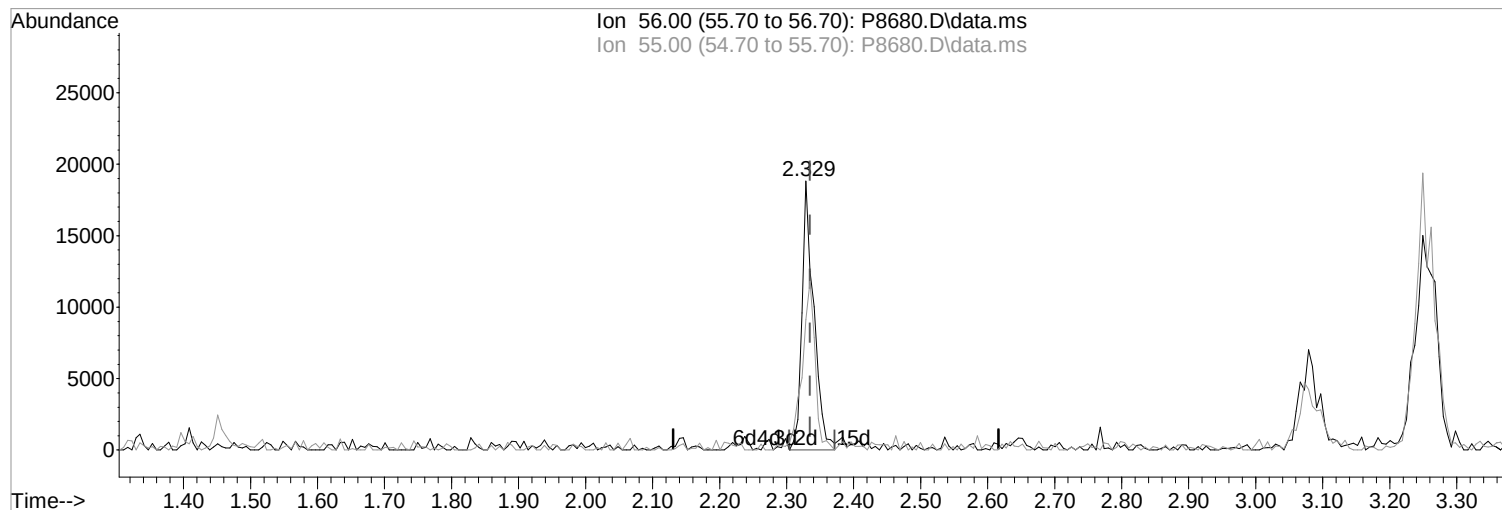
194.00 44.30 48.02

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8680.D
Acq On : 24 Mar 2017 10:43 pm
Operator : K.Ruest
Sample : R1702494-003DMS|1.0
Misc : VERINA 8260 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:30 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8680.D\data.ms

(12) Acrolein

2.329min (-0.006) 35.97 ppb m

response 23175

Ion	Exp%	Act%
56.00	100	100
55.00	69.60	48.48#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

03/27/17

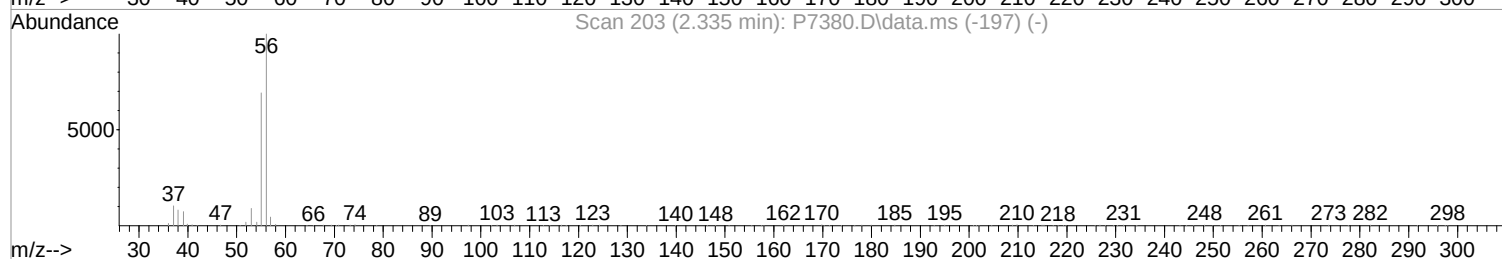
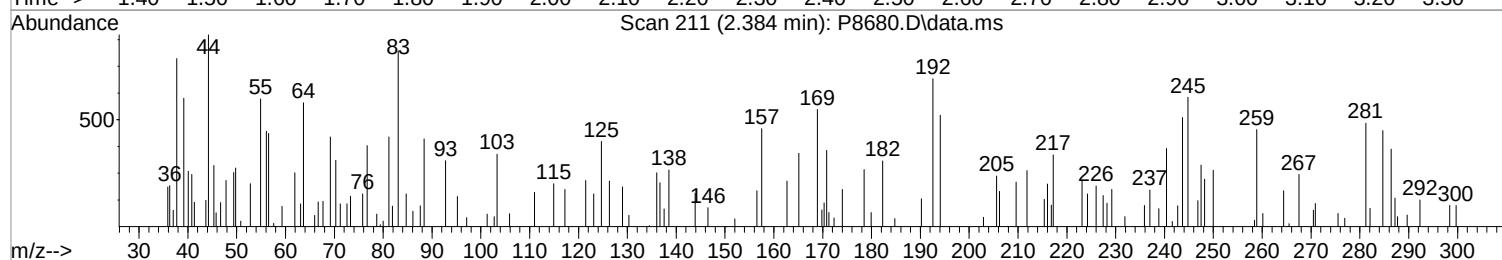
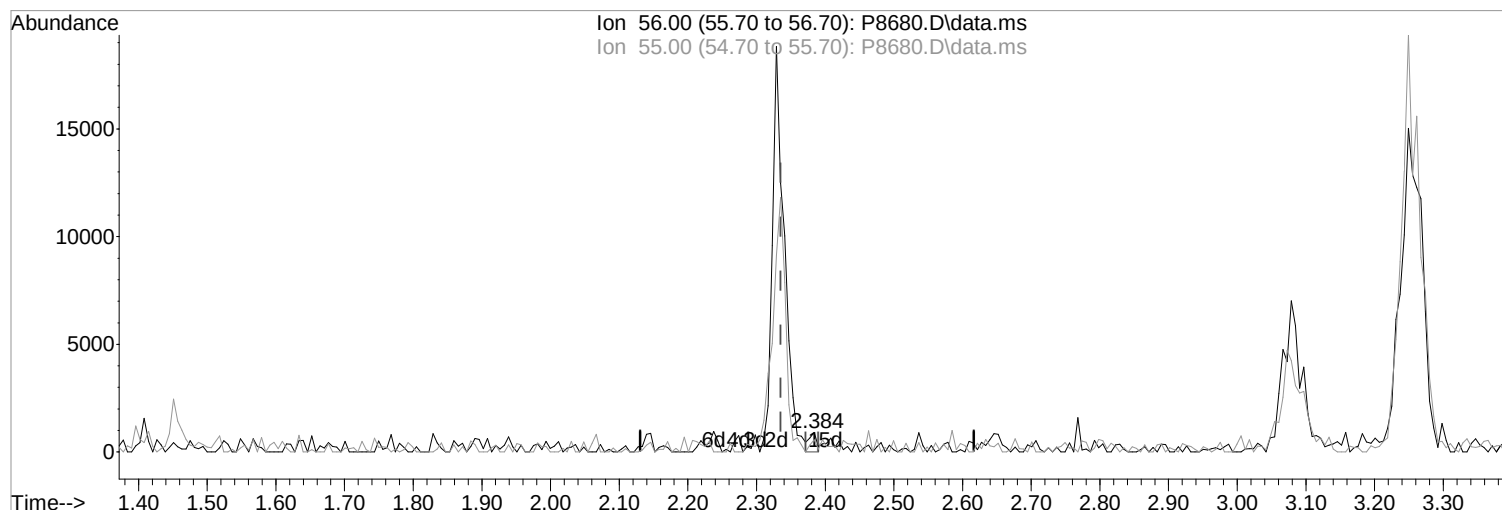
Quantitation Report (Qedit)

1st *12* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8680.D
Acq On : 24 Mar 2017 10:43 pm
Operator : K.Ruest
Sample : R1702494-003DMS|1.0
Misc : VERINA 8260 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:30 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8680.D\data.ms

(12) Acrolein

Manual Integration:

2.384min (+0.049) 1.02 ppb

Before

response 658

03/27/17

Ion	Exp%	Act%
56.00	100	100
55.00	69.60	63.80
0.00	0.00	0.00
0.00	0.00	0.00

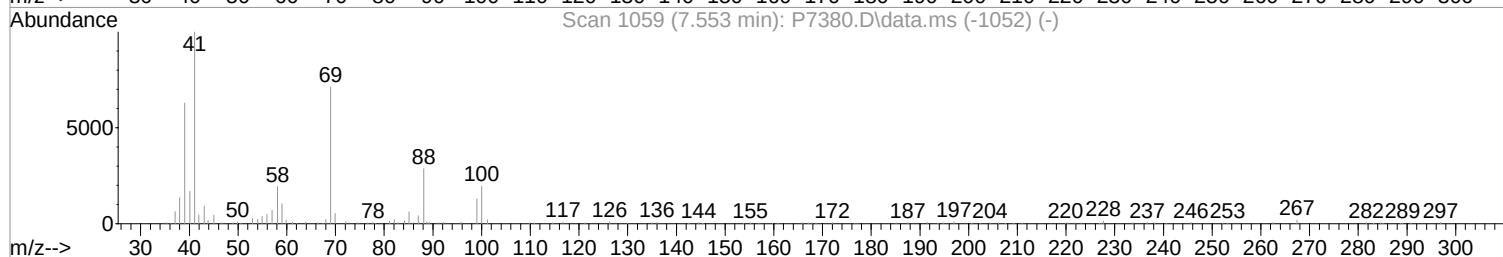
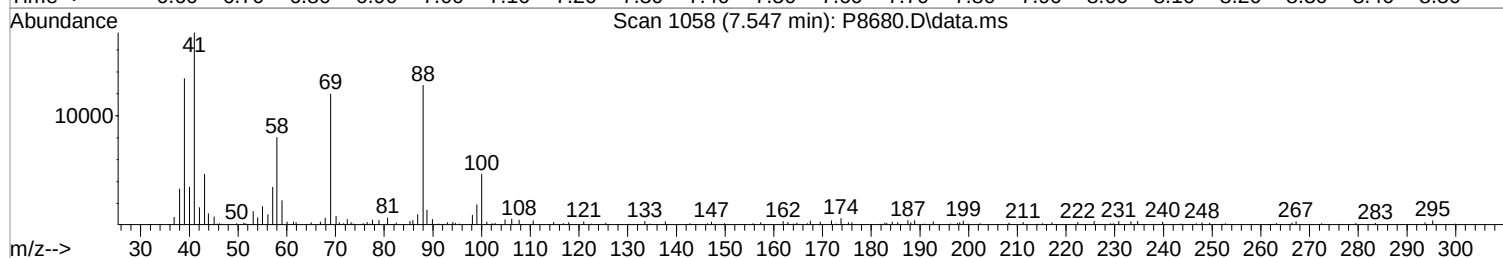
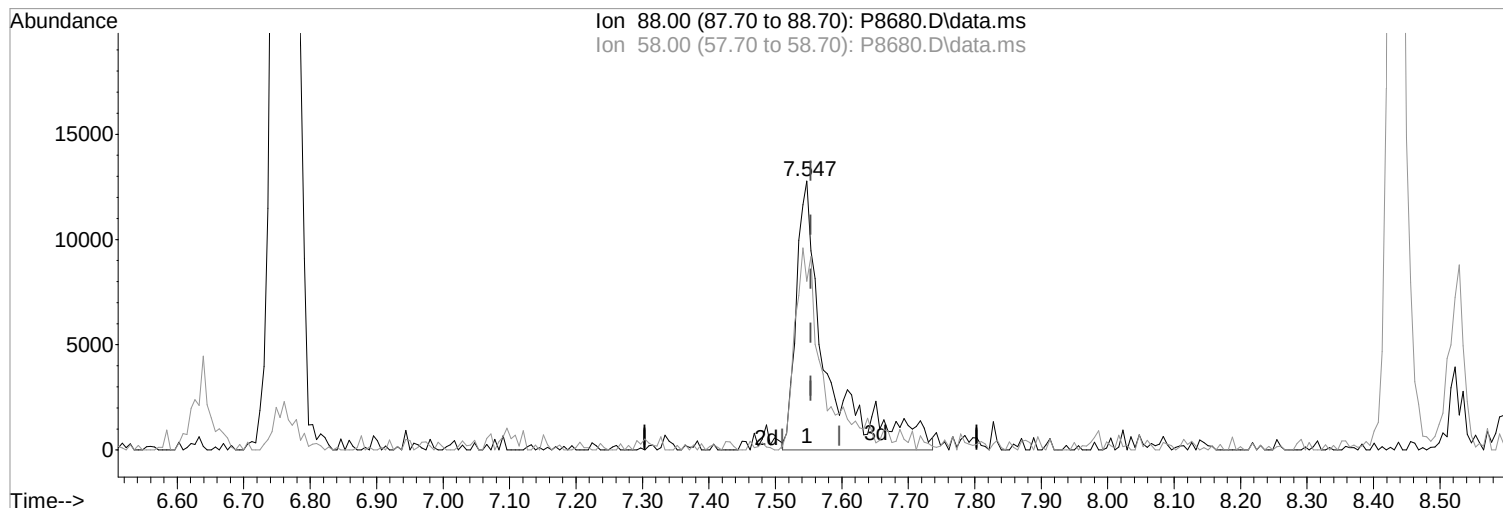
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8680.D
Acq On : 24 Mar 2017 10:43 pm
Operator : K.Ruest
Sample : R1702494-003DMS|1.0
Misc : VERINA 8260 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:30 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8680.D\data.ms

(58) 1,4-Dioxane

7.547min (-0.006) 904.70 ppb m

response 41178

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	62.76
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

03/27/17

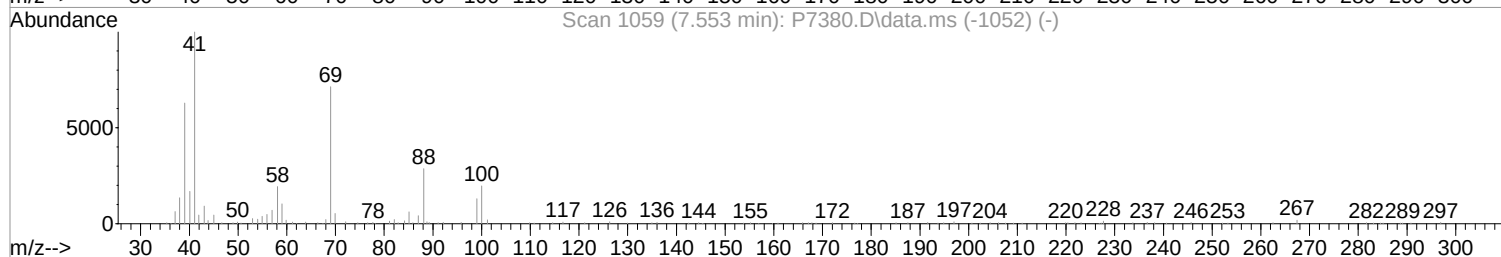
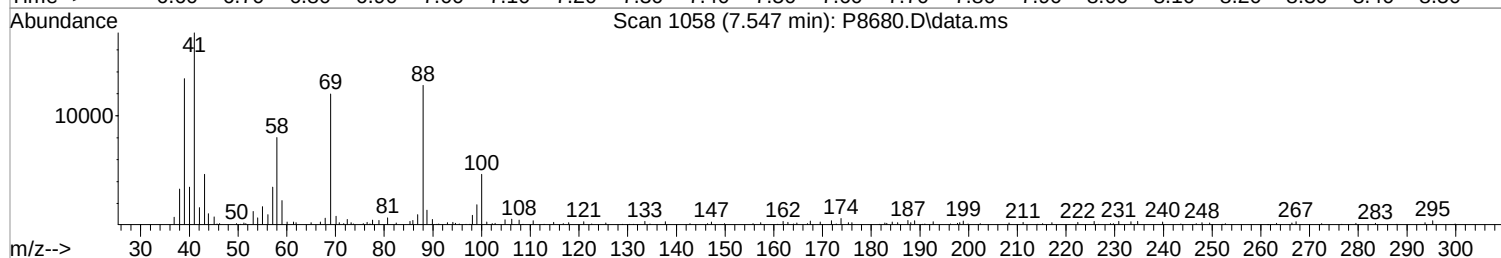
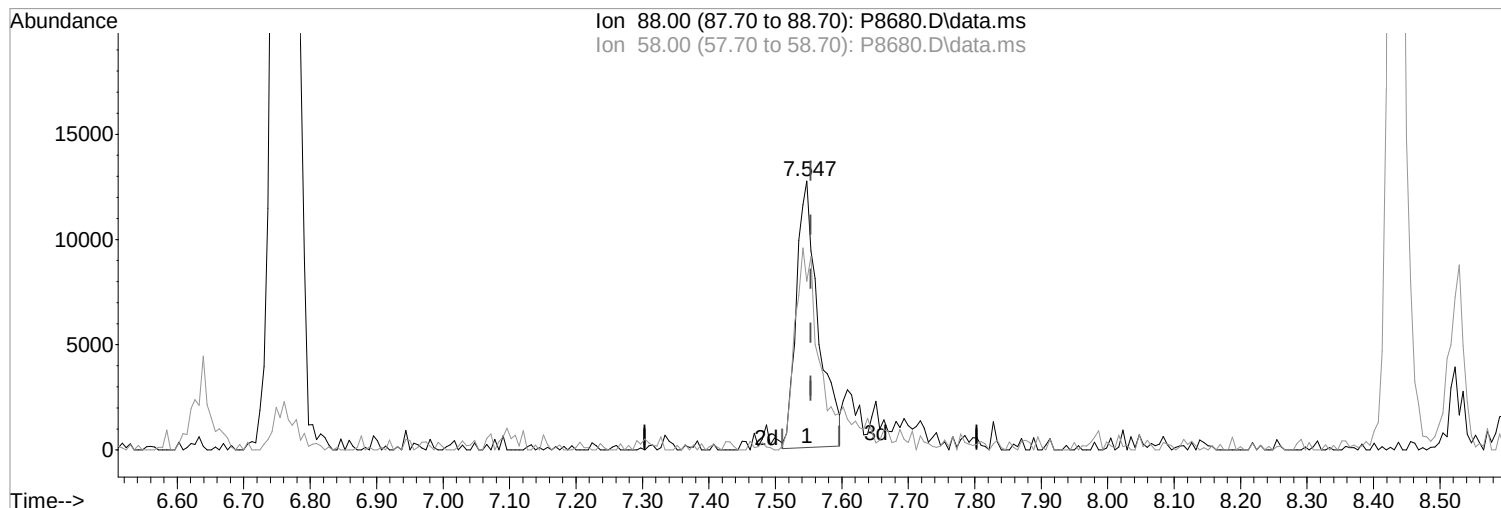
Quantitation Report (Qedit)

1st *BA* 03/27/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8680.D
Acq On : 24 Mar 2017 10:43 pm
Operator : K.Ruest
Sample : R1702494-003DMS|1.0
Misc : VERINA 8260 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 09:11:30 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration



TIC: P8680.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.547min (-0.006) 621.37 ppb

Before

response 28908

Ion	Exp%	Act%
88.00	100	100
58.00	67.50	62.76
0.00	0.00	0.00
0.00	0.00	0.00

03/27/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8680.D
 Acq On : 24 Mar 2017 10:43 pm
 Operator : K.Ruest
 Sample : R1702494-003DMS|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:47:23 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	851228	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1348920	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1256006	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	650434	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	401171	55.11	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery =	110.22%		
48) surr1,1,2-dichloroetha...	6.090	65	452976	56.05	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	112.10%		
65) SURR3,Toluene-d8	8.523	98	1682702	55.91	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	111.82%		
70) SURR2,BFB	11.047	95	615059	52.74	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	105.48%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.213	85	466913	45.08	ppb	98
3) Chloromethane	1.341	50	419878	45.24	ppb	96
4) Vinyl Chloride	1.427	62	449994	54.74	ppb	99
5) Bromomethane	1.683	94	167021	40.20	ppb	83
6) Chloroethane	1.762	64	215668	49.52	ppb	90
7) Freon 21	1.920	67	558833	53.70	ppb	98
8) Trichlorofluoromethane	1.969	101	476003	51.70	ppb	99
9) Diethyl Ether	2.225	59	202868	51.86	ppb	90
10) Freon 123a	2.231	67	381505	59.06	ppb	94
11) Freon 123	2.286	83	412301	55.38	ppb	95
12) Acrolein	2.329	56	23175m	35.97	ppb	
13) 1,1-Dicethene	2.426	96	309197	51.28	ppb	96
14) Freon 113	2.432	101	317845	48.79	ppb	99
15) Acetone	2.475	43	59930	47.93	ppb	94
16) 2-Propanol	2.640	45	213410	1010.78	ppb	95
17) Iodomethane	2.567	142	321659	36.35	ppb	92
18) Carbon Disulfide	2.628	76	628214	34.17	ppb	99
19) Acetonitrile	2.749	40	43575	242.96	ppb	# 60
20) Allyl Chloride	2.786	76	110912	30.84	ppb	# 90
21) Methyl Acetate	2.823	43	130040	43.64	ppb	92
22) Methylene Chloride	2.914	84	330060	49.95	ppb	98
23) TBA	3.079	59	357152	1022.26	ppb	88
24) Acrylonitrile	3.201	53	348074	238.63	ppb	96
25) Methyl-t-Butyl Ether	3.256	73	737060	46.35	ppb	96
26) trans-1,2-Dichloroethene	3.237	96	333972	47.78	ppb	97
28) 1,1-Dicethane	3.780	63	617734	52.78	ppb	98
29) Vinyl Acetate	3.890	86	46260	40.59	ppb	# 79
30) DIPE	3.932	45	1142389	52.54	ppb	99
31) 2-Chloro-1,3-Butadiene	3.914	53	501668	50.03	ppb	100
32) ETBE	4.517	59	984766	53.43	ppb	99
33) 2,2-Dichloropropane	4.688	77	420808	45.63	ppb	93
34) cis-1,2-Dichloroethene	4.706	96	385370	51.78	ppb	100
35) 2-Butanone	4.767	43	81897	44.54	ppb	74
36) Propionitrile	4.853	54	124763	224.08	ppb	85
37) Bromochloromethane	5.139	130	202764	49.86	ppb	95
38) Methacrylonitrile	5.145	67	82822	45.64	ppb	96
39) Tetrahydrofuran	5.225	42	48922	41.53	ppb	76
40) Chloroform	5.316	83	570969	50.16	ppb	99
41) 1,1,1-Trichloroethane	5.584	97	509402	51.04	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8680.D
 Acq On : 24 Mar 2017 10:43 pm
 Operator : K.Ruest
 Sample : R1702494-003DMS|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:47:23 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	864462	53.10	ppb	99
44) Cyclohexane	5.664	41	314636	44.60	ppb	99
46) Carbontetrachloride	5.846	121	126597	50.95	ppb	87
47) 1,1-Dichloropropene	5.859	75	455025	50.63	ppb	94
49) Benzene	6.163	78	1320546	55.33	ppb	97
50) 1,2-Dichloroethane	6.200	62	409081	48.51	ppb	98
51) Iso-Butyl Alcohol	6.194	43	154620	1038.80	ppb	95
52) n-Heptane	6.639	43	266546	33.16	ppb	95
53) 1-Butanol	7.108	56	251372	2910.74	ppb	94
54) Trichloroethene	7.078	130	411067	59.02	ppb	97
55) Methylcyclohexane	7.303	55	316228	38.47	ppb	96
56) 1,2-Dicloropropane	7.346	63	332792	49.22	ppb	98
57) Dibromomethane	7.486	93	173775	50.73	ppb	95
58) 1,4-Dioxane	7.547	88	41178m	904.70	ppb	
59) Methyl Methacrylate	7.566	69	157282	48.55	ppb	95
60) Bromodichloromethane	7.706	83	414743	49.92	ppb	94
61) 2-Nitropropane	7.980	41	87593	133.19	ppb	94
63) cis-1,3-Dichloropropene	8.236	75	389876	40.02	ppb	95
64) 4-Methyl-2-pentanone	8.437	43	215330	50.65	ppb	95
66) Toluene	8.596	91	1513418	54.17	ppb	100
67) trans-1,3-Dichloropropene	8.858	75	327815	41.00	ppb	97
68) Ethyl Methacrylate	8.992	69	340667	55.07	ppb	97
69) 1,1,2-Trichloroethane	9.041	97	259329	54.70	ppb	96
72) Tetrachloroethene	9.175	164	275170	50.51	ppb	96
73) 2-Hexanone	9.321	43	141071	49.88	ppb	96
74) 1,3-Dichloropropane	9.206	76	446591	52.54	ppb	100
75) Dibromochloromethane	9.431	129	256914	52.91	ppb	99
76) N-Butyl Acetate	9.474	43	355586	51.52	ppb	95
77) 1,2-Dibromoethane	9.523	107	245430	55.42	ppb	94
78) Chlorobenzene	10.010	112	938323	53.17	ppb	97
79) 3-CBTF	10.029	180	476026	47.68	ppb	93
80) 4-CBTF	10.077	180	417179	45.52	ppb	96
81) 1,1,1,2-Tetrachloroethane	10.096	131	324150	55.87	ppb	96
82) Ethylbenzene	10.126	106	522165	53.23	ppb	99
83) (m+p)Xylene	10.236	106	1267981	109.64	ppb	99
84) o-Xylene	10.589	106	617594	53.59	ppb	94
85) Styrene	10.602	104	875150	45.42	ppb	97
87) Bromoform	10.754	173	138249	55.03	ppb	92
88) 2-CBTF	10.833	180	462696	51.72	ppb	94
89) Isopropylbenzene	10.925	105	1434078	53.95	ppb	100
90) Cyclohexanone	10.980	55	129358	276.60	ppb	92
91) trans-1,4-Dichloro-2-B...	11.223	53	31387	25.48	ppb	96
92) 1,1,2,2-Tetrachloroethane	11.175	83	299303	58.84	ppb	92
93) Bromobenzene	11.169	156	383306	53.11	ppb	93
94) 1,2,3-Trichloropropane	11.205	110	88206	54.16	ppb	# 87
95) n-Propylbenzene	11.272	91	1677514	54.66	ppb	99
96) 2-Chlorotoluene	11.339	91	1034331	55.99	ppb	96
97) 3-Chlorotoluene	11.388	91	1153922	56.34	ppb	# 98
98) 4-Chlorotoluene	11.431	91	1177185	54.65	ppb	99
99) 1,3,5-Trimethylbenzene	11.425	105	1148495	49.84	ppb	99
100) tert-Butylbenzene	11.699	119	938723	49.76	ppb	98
101) 1,2,4-Trimethylbenzene	11.736	105	1186981	50.19	ppb	100
102) 3,4-DCBTF	11.797	214	282579	40.76	ppb	99
103) sec-Butylbenzene	11.876	105	1304099	47.04	ppb	100
104) p-Isopropyltoluene	11.998	119	1115018	48.05	ppb	99
105) 1,3-Dclbenz	11.961	146	706087	51.19	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8680.D
Acq On : 24 Mar 2017 10:43 pm
Operator : K.Ruest
Sample : R1702494-003DMS|1.0
Misc : VERINA 8260 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:47:23 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration

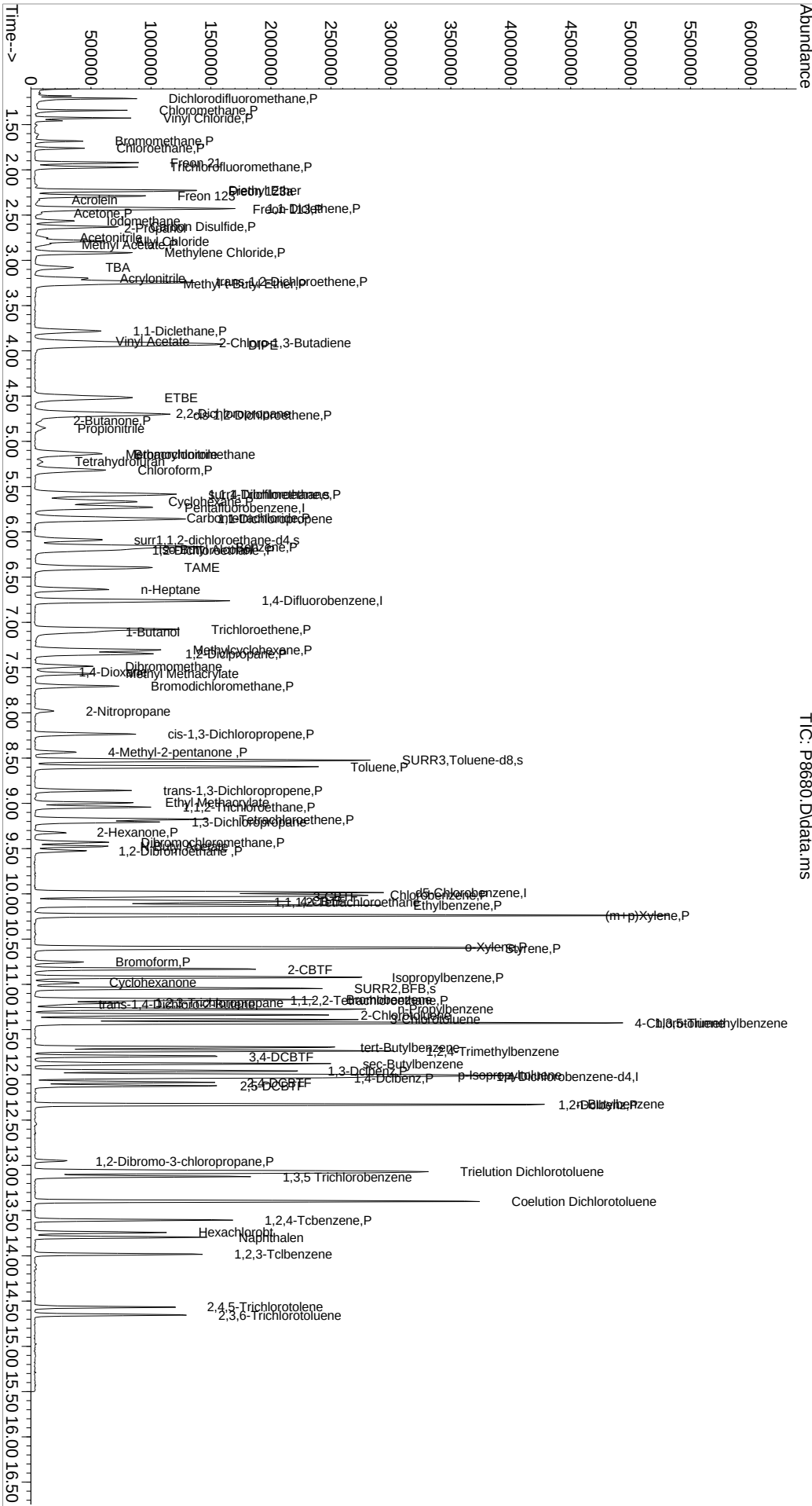
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	12.034	146	707635	49.15	ppb	97
107) 2,4-DCBTF	12.083	214	257329	40.30	ppb	93
108) 2,5-DCBTF	12.126	214	296167	43.72	ppb	99
109) n-Butylbenzene	12.327	91	970521	45.86	ppb	98
110) 1,2-Dclbenz	12.333	146	664858	51.54	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.955	157	52057	52.35	ppb	97
112) Trielution Dichlorotol...	13.071	125	1606719	144.76	ppb	99
113) 1,3,5 Trichlorobenzene	13.126	180	435952	44.31	ppb	93
114) Coelution Dichlorotoluene	13.400	125	1164866	97.14	ppb	99
115) 1,2,4-Tcbenzene	13.607	180	368411	43.03	ppb	94
116) Hexachlorobt	13.741	225	142128	36.46	ppb	92
117) Naphthalen	13.796	128	851560	53.89	ppb	96
118) 1,2,3-Tclbenzene	13.985	180	323406	45.88	ppb	98
119) 2,4,5-Trichlorotoluene	14.564	159	244746m	44.69	ppb	
120) 2,3,6-Trichlorotoluene	14.656	159	236147	51.79	ppb	90

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

1st 03/27/17
 2nd 03/28/17
 Data Path : I:\ACQDATA\msvoa12\Data\032417\
 Data File : P8680.D
 Acq On : 24 Mar 2017 10:43 pm
 Operator : K.Ruest
 Sample : R1702494-003DMS|1.0
 Vial : VERINA 8260 T4
 PALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 27 11:47:23 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration



Evaluate Continuing Calibration Report

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.0000	1.0000	0.0	108	0.00
2 P	Dichlorodifluoromethane	0.6084	0.5355	12.0	91	0.00
3 P	Chloromethane	0.5452	0.4907	10.0	101	0.00
4 P	Vinyl Chloride	0.4829	0.4226	12.5	88	0.00
5 P	Bromomethane	0.2440	0.2311	5.3	93	0.00
6 P	Chloroethane	0.2558	0.2492	2.6	102	0.00
7	Freon 21	0.6113	0.6327	-3.5	119	0.00
8 P	Trichlorofluoromethane	0.5408	0.5236	3.2	102	0.00
9	Diethyl Ether	0.2298	0.2353	-2.4	105	0.00
10	Freon 123a	0.3794	0.3970	-4.6	125	0.00
11	Freon 123	0.4373	0.4784	-9.4	124	0.00
12	Acrolein	0.0378	0.0193	NT 48.9#	56	0.00
13 P	1,1-Dicethene	0.3542	0.3484	1.6	109	0.00
14 P	Freon 113	0.3827	0.3572	6.7	99	0.00
15 P	Acetone	0.0734	0.0816	-11.2	127	0.00
16	2-Propanol	0.0124	0.0138	-11.3	120	0.00
17	Iodomethane	0.5198	0.5197	0.0	101	0.00
18 P	Carbon Disulfide	1.0798	1.0172	5.8	97	0.00
19	Acetonitrile	0.0105	0.0130	NT -23.8#	127	0.00
20	Allyl Chloride	0.2112	0.2120	-0.4	109	0.00
21 P	Methyl Acetate	0.1751	0.1825	-4.2	109	0.00
22 P	Methylene Chloride	0.3882	0.3654	5.9	106	0.00
23	TBA	0.0205	0.0227	-10.7	115	0.00
24	Acrylonitrile	0.0857	0.0872	-1.8	105	0.00
25 P	Methyl-t-Butyl Ether	0.9340	0.8932	4.4	103	0.00
26 P	trans-1,2-Dichloroethene	0.4106	0.3910	4.8	108	0.00
27	Halothane	0.0000	0.0000	0.0	0#	0.00
28 P	1,1-Dicethane	0.6874	0.6571	4.4	104	0.00
29	Vinyl Acetate	0.0669	0.0595	11.1	95	0.00
30	DIPE	1.2771	1.3075	-2.4	109	0.00
31	2-Chloro-1,3-Butadiene	0.5890	0.5277	10.4	95	0.00
32	ETBE	1.0826	1.1211	-3.6	108	0.00
33	2,2-Dichloropropane	0.5417	0.5451	-0.6	106	0.00
34 P	cis-1,2-Dichloroethene	0.4372	0.4234	3.2	109	0.00
35 P	2-Butanone	0.1080	0.0933#	13.6	97	0.00
36	Propionitrile	0.0327	0.0333	-1.8	125	0.00
37	Bromochloromethane	0.2389	0.2384	0.2	105	0.00
38	Methacrylonitrile	0.1066	0.1011	5.2	109	0.00
39	Tetrahydrofuran	0.0692	0.0652	5.8	104	0.00
40 P	Chloroform	0.6686	0.6278	6.1	102	0.00
41 P	1,1,1-Trichloroethane	0.5862	0.5463	6.8	104	0.00
42	TAME	0.9562	0.9769	-2.2	105	0.00
43 I	1,4-Difluorobenzene	1.0000	1.0000	0.0	107	0.00
44 P	Cyclohexane	0.2615	0.2390	8.6	110	0.00
45 s	surr4,Dibrflmethane	0.2698	0.2942	-9.0	107	0.00
46 P	Carbontetrachloride	0.0921	0.0874	5.1	110	0.00
47	1,1-Dichloropropene	0.3331	0.3227	3.1	102	0.00
48 s	surr1,1,2-dichloroethane-d4	0.2996	0.3268	-9.1	107	0.00
49 P	Benzene	0.8847	0.9275	-4.8	110	0.00
50 P	1,2-Dichloroethane	0.3126	0.3051	2.4	106	0.00
51	Iso-Butyl Alcohol	0.0055	0.0061	-10.9	114	0.00

Evaluate Continuing Calibration Report

1st *12* 03/24/172nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	n-Heptane	0.2980	0.2204	NT	26.0#	77 0.00
53	1-Butanol	0.0032	0.0037	-15.6	121	0.00
54 P	Trichloroethene	0.2582	0.2508	2.9	102	0.00
55 P	Methylcyclohexane	0.3047	0.2455	19.4	90	0.00
56 P	1,2-Dichloropropane	0.2506	0.2382	4.9	103	0.00
57	Dibromomethane	0.1270	0.1303	-2.6	109	0.00
58	1,4-Dioxane	0.0018	0.0015	10.3	-16.7	99 -0.01
59	Methyl Methacrylate	0.1201	0.1214	-1.1	112	0.00
60 P	Bromodichloromethane	0.3080	0.2948	4.3	106	0.00
61	2-Nitropropane	0.0244	0.0316	NT	-29.5#	179 0.00
62	2-Chloroethylvinyl Ether	0.1203	0.0995	17.3	87	0.00
63 P	cis-1,3-Dichloropropene	0.3611	0.3862	-7.0	107	0.00
64 P	4-Methyl-2-pentanone	0.1576	0.1512	4.1	100	0.00
65 s	SURR3, Toluene-d8	1.1155	1.2451	-11.6	105	0.00
66 P	Toluene	1.0357	1.0395	-0.4	103	0.00
67 P	trans-1,3-Dichloropropene	0.2963	0.3120	-5.3	103	0.00
68	Ethyl Methacrylate	0.2293	0.2550	-11.2	112	0.00
69 P	1,1,2-Trichloroethane	0.1757	0.1772	-0.9	105	0.00
70 s	SURR2, BFB	0.4322	0.4576	-5.9	99	0.00
71 I	d5-Chlorobenzene	1.0000	1.0000	0.0	99	0.00
72 P	Tetrachloroethene	0.2169	0.1915#	11.7	88	0.00
73 P	2-Hexanone	0.1126	0.1122	0.4	97	0.00
74	1,3-Dichloropropane	0.3384	0.3615	-6.8	107	0.00
75 P	Dibromochloromethane	0.1933	0.2226	-15.2	113	0.00
76	N-Butyl Acetate	0.2748	0.3096	-12.7	115	0.00
77 P	1,2-Dibromoethane	0.1763	0.1948	-10.5	107	0.00
78 P	Chlorobenzene	0.7026	0.7175	-2.1	102	0.00
79	3-CBTF	0.3975	0.3421	13.9	87	0.00
80	4-CBTF	0.3648	0.3073	15.8	84	0.00
81	1,1,1,2-Tetrachloroethane	0.2310	0.2505	-8.4	102	0.00
82 P	Ethylbenzene	0.3905	0.3652	6.5	94	0.00
83 P	(m+p)Xylene	0.4604	0.4473	2.8	93	0.00
84 P	o-Xylene	0.4588	0.4571	0.4	97	0.00
85 P	Styrene	0.7670	0.7934	-3.4	96	0.00
86 I	1,4-Dichlorobenzene-d4	1.0000	1.0000	0.0	91	0.00
87 P	Bromoform	0.1777	0.2055	-6.7	-15.6	100 0.00
88	2-CBTF	0.6877	0.6354	7.6	86	0.00
89 P	Isopropylbenzene	2.0435	1.9591	4.1	86	0.00
90	Cyclohexanone	0.0360	0.0162	NT	55.0#	40# 0.00
91	trans-1,4-Dichloro-2-Butene	0.1103	0.1132	-2.6	102	0.00
92 P	1,1,2,2-Tetrachloroethane	0.3911	0.4446	-16.7	-13.7	108 0.00
93	Bromobenzene	0.5548	0.5553	-0.1	92	0.00
94	1,2,3-Trichloropropane	0.1252	0.1283	-2.5	102	0.00
95	n-Propylbenzene	2.3593	2.2455	4.8	81	0.00
96	2-Chlorotoluene	1.4201	1.4234	-0.2	89	0.00
97	3-Chlorotoluene	1.5746	1.6251	-3.2	91	0.00
98	4-Chlorotoluene	1.6559	1.6035	3.2	86	0.00
99	1,3,5-Trimethylbenzene	1.7716	1.5583	12.0	78	0.00
100	tert-Butylbenzene	1.4502	1.2744	12.1	75	0.00
101	1,2,4-Trimethylbenzene	1.8181	1.6477	9.4	80	0.00

Evaluate Continuing Calibration Report

1st *12* 03/24/17
2nd *BA* 03/28/17

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
102	3,4-DCBTF	0.5329	0.4005	NT	24.8#	68 0.00
103	sec-Butylbenzene	2.1311	1.8159		14.8	73 0.00
104	p-Isopropyltoluene	1.7837	1.5092		15.4	73 0.00
105 P	1,3-Dclbenz	1.0604	0.9833		7.3	83 0.00
106 P	1,4-Dclbenz	1.1069	1.0265		7.3	87 0.00
107	2,4-DCBTF	0.4909	0.3538	NT	27.9#	68 0.00
108	2,5-DCBTF	0.5207	0.4223		18.9	73 0.00
109	n-Butylbenzene	1.6268	1.3665		16.0	71 0.00
110 P	1,2-Dclbenz	0.9917	0.9384		5.4	86 0.00
111 P	1,2-Dibromo-3-chloropropane	0.0764	0.0789		-3.3	103 0.00
112	Trielution Dichlorotoluene	0.8532	0.7375		13.6	75 0.00
113	1,3,5 Trichlorobenzene	0.7564	0.5830	NT	22.9#	71 0.00
114	Coelution Dichlorotoluene	0.9218	0.7930		14.0	75 0.00
115 P	1,2,4-Tcbenzene	0.6581	0.5115	NT	22.3#	70 0.00
116	Hexachlorobt	0.2997	0.2151	NT	28.2#	72 0.00
117	Naphthalen	1.2148	1.1549		4.9	84 0.00
118	1,2,3-Tclbenzene	0.5419	0.4391		19.0	73 0.00
119	2,4,5-Trichlorotoluene	0.4210	0.3187	NT	24.3#	73 0.00
120	2,3,6-Trichlorotoluene	0.3505	0.2685	NT	23.4#	67 0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.731	168	850770	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.761	114	1352719	50.00	ppb	0.00
71) d5-Chlorobenzene	9.986	117	1243548	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	12.016	152	656950	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.584	113	397925	54.52	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	109.04%	
48) surr1,1,2-dichloroetha...	6.090	65	442135	54.56	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	109.12%	
65) SURR3,Toluene-d8	8.523	98	1684256	55.81	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	111.62%	
70) SURR2,BFB	11.047	95	618962	52.93	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	105.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.213	85	455589	44.01	ppb	97
3) Chloromethane	1.341	50	417448	45.00	ppb	100
4) Vinyl Chloride	1.427	62	359501	43.75	ppb	99
5) Bromomethane	1.683	94	196571	47.34	ppb	97
6) Chloroethane	1.762	64	212014	48.71	ppb	93
7) Freon 21	1.921	67	538271	51.75	ppb	97
8) Trichlorofluoromethane	1.969	101	445433	48.41	ppb	94
9) Diethyl Ether	2.225	59	200180	51.20	ppb	88
10) Freon 123a	2.231	67	337794	52.32	ppb	94
11) Freon 123	2.286	83	406980	54.69	ppb	97
12) Acrolein	2.335	56	81976	127.32	ppb	92
13) 1,1-Dicethene	2.426	96	296450	49.19	ppb	92
14) Freon 113	2.433	101	303889	46.67	ppb	86
15) Acetone	2.481	43	69452	55.58	ppb	94
16) 2-Propanol	2.634	45	235038	1113.82	ppb	97
17) Iodomethane	2.567	142	442122	49.99	ppb	92
18) Carbon Disulfide	2.628	76	865413	47.10	ppb	99
19) Acetonitrile	2.750	40	55152	307.68	ppb	# 81
20) Allyl Chloride	2.792	76	180334	50.18	ppb	98
21) Methyl Acetate	2.823	43	155271	52.13	ppb	99
22) Methylene Chloride	2.920	84	310910	47.07	ppb	94
23) TBA	3.079	59	386752	1107.58	ppb	92
24) Acrylonitrile	3.201	53	370884	254.40	ppb	98
25) Methyl-t-Butyl Ether	3.256	73	759888	47.81	ppb	99
26) trans-1,2-Dichloroethene	3.237	96	332632	47.62	ppb	99
28) 1,1-Dicethane	3.780	63	559054	47.80	ppb	98
29) Vinyl Acetate	3.890	86	50627	44.45	ppb	99
30) DIPE	3.938	45	1112412	51.19	ppb	97
31) 2-Chloro-1,3-Butadiene	3.920	53	448955	44.80	ppb	97
32) ETBE	4.518	59	953831	51.78	ppb	97
33) 2,2-Dichloropropane	4.694	77	463773	50.32	ppb	97
34) cis-1,2-Dichloroethene	4.707	96	360199	48.42	ppb	93
35) 2-Butanone	4.768	43	79394	43.20	ppb	90
36) Propionitrile	4.853	54	141812	254.84	ppb	87
37) Bromochloromethane	5.133	130	202858	49.91	ppb	94
38) Methacrylonitrile	5.145	67	86051	47.44	ppb	# 82
39) Tetrahydrofuran	5.225	42	55441	47.09	ppb	94
40) Chloroform	5.316	83	534095	46.95	ppb	100
41) 1,1,1-Trichloroethane	5.584	97	464750	46.59	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.395	73	831121	51.08	ppb	97
44) Cyclohexane	5.670	41	323284	45.70	ppb	90
46) Carbontetrachloride	5.847	121	118239	47.45	ppb	100
47) 1,1-Dichloropropene	5.865	75	436455	48.43	ppb	92
49) Benzene	6.164	78	1254635	52.42	ppb	99
50) 1,2-Dichloroethane	6.200	62	412692	48.80	ppb	97
51) Iso-Butyl Alcohol	6.194	43	164878	1104.61	ppb	85
52) n-Heptane	6.639	43	298143	36.98	ppb	94
53) 1-Butanol	7.109	56	253515	2927.31	ppb	99
54) Trichloroethene	7.078	130	339258	48.57	ppb	97
55) Methylcyclohexane	7.310	55	332053	40.29	ppb	95
56) 1,2-Dicloropropane	7.346	63	322171	47.52	ppb	95
57) Dibromomethane	7.480	93	176322	51.33	ppb	# 80
58) 1,4-Dioxane	7.541	88	40949	896.66	ppb	83
59) Methyl Methacrylate	7.572	69	164255	50.56	ppb	92
60) Bromodichloromethane	7.706	83	398774	47.86	ppb	96
61) 2-Nitropropane	7.980	41	85561	129.74	ppb	88
62) 2-Chloroethylvinyl Ether	8.102	63	134552	41.33	ppb	94
63) cis-1,3-Dichloropropene	8.236	75	522375	53.47	ppb	97
64) 4-Methyl-2-pentanone	8.431	43	204589	47.99	ppb	99
66) Toluene	8.596	91	1406160	50.19	ppb	98
67) trans-1,3-Dichloropropene	8.858	75	421988	52.63	ppb	92
68) Ethyl Methacrylate	8.992	69	344984	55.62	ppb	99
69) 1,1,2-Trichloroethane	9.041	97	239669	50.41	ppb	92
72) Tetrachloroethene	9.175	164	238078	44.14	ppb	93
73) 2-Hexanone	9.321	43	139527	49.83	ppb	96
74) 1,3-Dichloropropane	9.206	76	449603	53.43	ppb	96
75) Dibromochloromethane	9.431	129	276771	57.57	ppb	95
76) N-Butyl Acetate	9.474	43	384993	56.34	ppb	99
77) 1,2-Dibromoethane	9.523	107	242252	55.25	ppb	95
78) Chlorobenzene	10.010	112	892270	51.06	ppb	98
79) 3-CBTF	10.023	180	425380	43.03	ppb	95
80) 4-CBTF	10.077	180	382165	42.12	ppb	93
81) 1,1,1,2-Tetrachloroethane	10.096	131	311447	54.21	ppb	95
82) Ethylbenzene	10.126	106	454103	46.75	ppb	# 89
83) (m+p)Xylene	10.236	106	1112372	97.14	ppb	97
84) o-Xylene	10.590	106	568372	49.81	ppb	99
85) Styrene	10.602	104	986573	51.72	ppb	97
87) Bromoform	10.754	173	135034	53.34	ppb	95
88) 2-CBTF	10.833	180	417408	46.20	ppb	99
89) Isopropylbenzene	10.919	105	1287033	47.93	ppb	98
90) Cyclohexanone	10.986	55	213498	451.98	ppb	91
91) trans-1,4-Dichloro-2-B...	11.224	53	74353	58.36	ppb	94
92) 1,1,2,2-Tetrachloroethane	11.175	83	292060	56.84	ppb	97
93) Bromobenzene	11.169	156	364811	50.04	ppb	96
94) 1,2,3-Trichloropropane	11.205	110	84305	51.25	ppb	96
95) n-Propylbenzene	11.272	91	1475205	47.59	ppb	100
96) 2-Chlorotoluene	11.339	91	935104	50.12	ppb	99
97) 3-Chlorotoluene	11.388	91	1067629	51.61	ppb	97
98) 4-Chlorotoluene	11.431	91	1053409	48.42	ppb	96
99) 1,3,5-Trimethylbenzene	11.425	105	1023739	43.98	ppb	99
100) tert-Butylbenzene	11.699	119	837188	43.94	ppb	97
101) 1,2,4-Trimethylbenzene	11.736	105	1082442	45.31	ppb	99
102) 3,4-DCBTF	11.791	214	263085	37.57	ppb	96
103) sec-Butylbenzene	11.876	105	1192977	42.61	ppb	99
104) p-Isopropyltoluene	11.998	119	991455	42.31	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8659.D
Acq On : 24 Mar 2017 12:11 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
Quant Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu Jan 05 10:50:17 2017
Response via : Initial Calibration

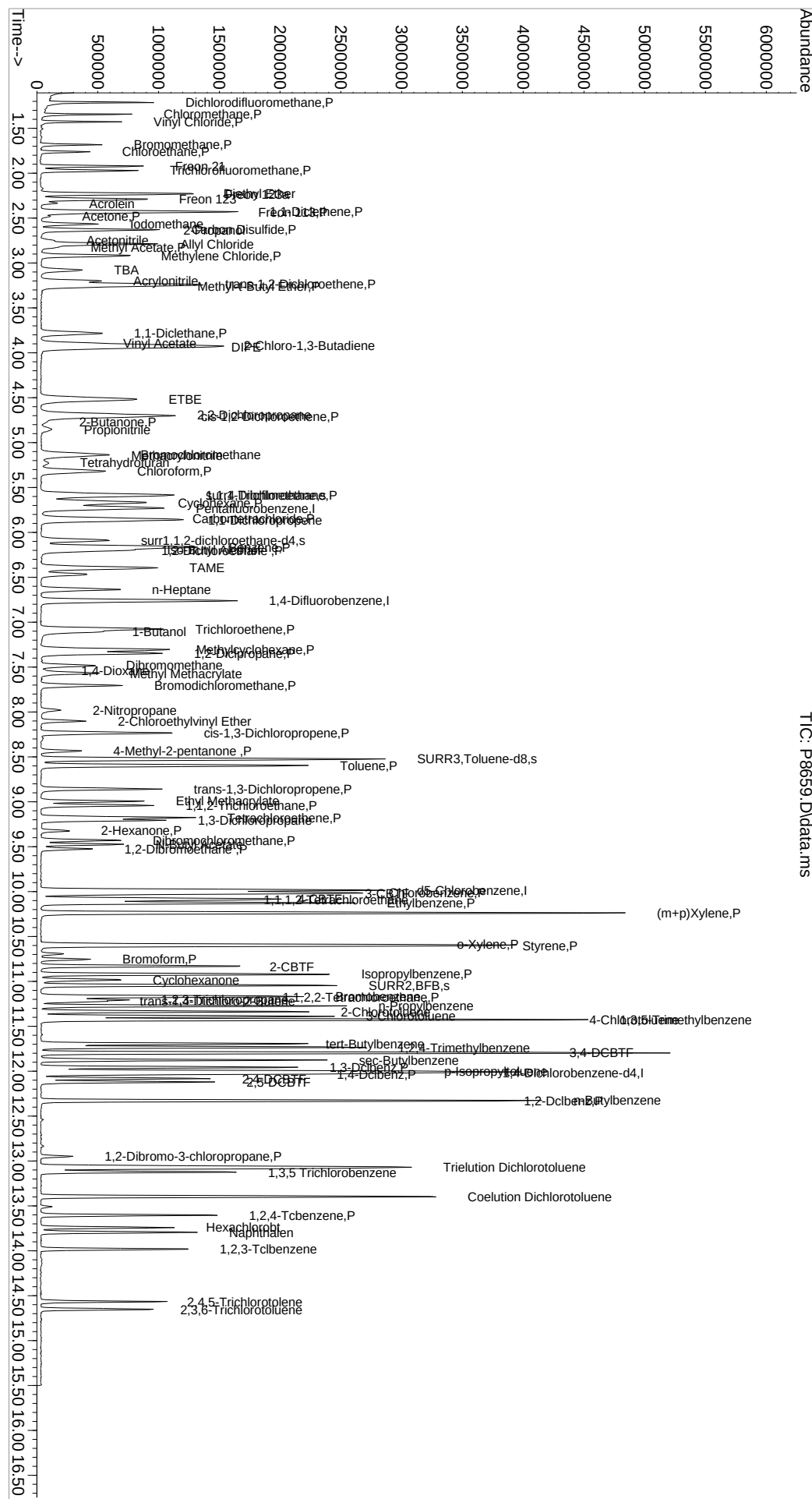
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.955	146	646005	46.37	ppb	97
106) 1,4-Dclbenz	12.034	146	674386	46.37	ppb	99
107) 2,4-DCBTF	12.083	214	232411	36.04	ppb	96
108) 2,5-DCBTF	12.120	214	277403	40.54	ppb	95
109) n-Butylbenzene	12.327	91	897739	42.00	ppb	97
110) 1,2-Dclbenz	12.333	146	616500	47.32	ppb	95
111) 1,2-Dibromo-3-chloropr...	12.949	157	51819	51.60	ppb	86
112) Trielution Dichlorotol...	13.071	125	1453408	129.65	ppb	98
113) 1,3,5 Trichlorobenzene	13.126	180	382988	38.54	ppb	96
114) Coelution Dichlorotoluene	13.400	125	1041859	86.02	ppb	99
115) 1,2,4-Tcbenzene	13.607	180	336037	38.86	ppb	94
116) Hexachlorobt	13.741	225	141329	35.89	ppb	94
117) Naphthalen	13.796	128	758715	47.53	ppb	97
118) 1,2,3-Tclbenzene	13.985	180	288452	40.52	ppb	98
119) 2,4,5-Trichlorotoluene	14.570	159	209388	37.85	ppb	96
120) 2,3,6-Trichlorotoluene	14.656	159	176411	38.30	ppb	95

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

1st 03/24/17
 2nd 03/28/17
 Data Path : I:\ACQDATA\msvoa12\Data\032417\
 Data File : P8659.D
 Acq On : 24 Mar 2017 12:11 pm
 Operator : K.Ruest
 Sample : CCV
 Vial : 4
 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: Mar 24 12:27:56 2017
 Quant Method : I:\ACQDATA\msvoa12\Methods\W010417.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Quant Update : Thu Jan 05 10:50:17 2017
 Response via : Initial Calibration



Tune File : I:\ACQUDATA\msvoa12\Data\032417\P8658.D

Tune Time : 24 Mar 2017 11:42 am

Daily Calibration File : I:\ACQUDATA\msvoa12\Data\032417\P8659.D

850770 1352720 1243550

656950

File	Sample	Surrogate Recovery %				Internal Standard Responses		
P8659.D	CCV	109	109	112	106	850770	1352719	1243548

P8660.D	LCS	109	108	109	101	848404	1385870	1265677

P8661.D	VBLK	108	113	108	98	847893	1346392	1245937

P8662.D	VBLK	106	112	110	103	813734	1315150	1221134

P8663.D	R1702494-0	106	108	109	100	826357	1337125	1200065

P8664.D	R1702494-0	107	112	109	101	813325	1311709	1201470

P8665.D	R1702494-0	108	116	113	102	804580	1272172	1206513

P8666.D	R1702494-0	110	114	109	104	794309	1273207	1179916

P8667.D	R1702492-0	110	115	109	101	798466	1294865	1205505

P8668.D	R1702492-0	105	111	109	99	795066	1288883	1182824

P8669.D	R1702492-0	110	113	112	104	803250	1276307	1189488

P8670.D	R1702492-0	107	114	107	103	782958	1291743	1179610

P8671.D	R1702492-0	105	119	108	100	789923	1291368	1168187

P8672.D								

R1702492-0 108 116 110 100 792761 1299243 1178707
 585139

P8673.D

R1702494-0 108 118 108 102 789116 1297747 1187374
 554660

P8674.D

R1702494-0 108 113 106 101 753381 1287303 1171462
 577777

P8675.D

R1702494-0 107 118 109 102 785276 1294532 1187563
 569328

P8676.D

R1702494-0 113 116 108 100 789127 1287942 1166736
 581881

P8677.D

R1702494-0 107 116 110 99 777358 1300663 1194441
 577560

P8678.D

R1702494-0 112 111 111 102 776130 1267266 1154691
 600729

P8679.D

R1702494-0 111 109 111 105 792547 1323384 1217267
 651477

P8680.D

R1702494-0 110 112 112 105 851228 1348920 1256006
 650434

(fails) - fails 12hr time check * - fails criteria

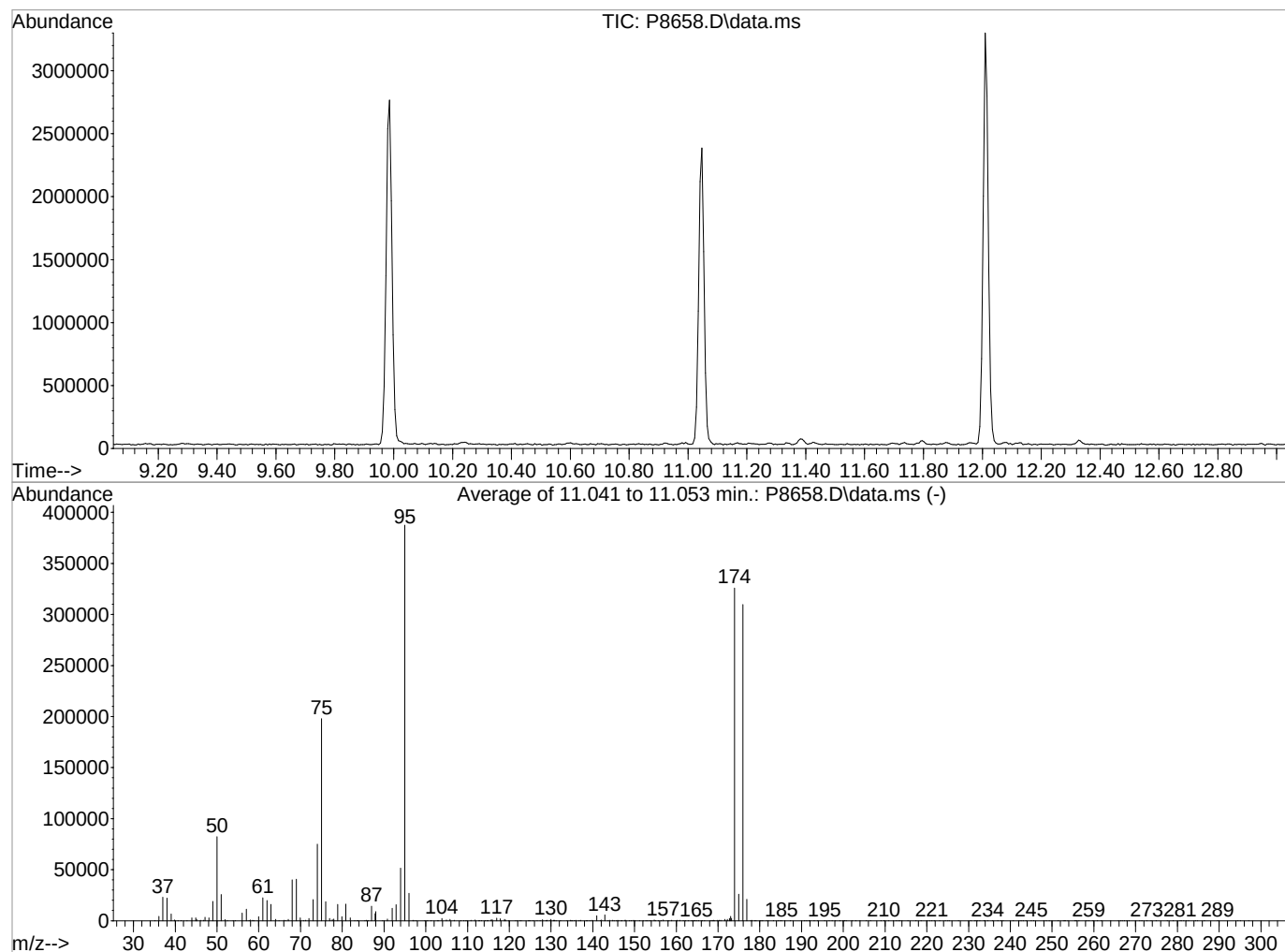
Created: Mon Mar 27 09:51:27 2017 MSVOA-12

Data Path : I:\ACQUDATA\msvoa12\Data\032417\
Data File : P8658.D
Acq On : 24 Mar 2017 11:42 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W010417.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Thu Jan 05 10:50:17 2017



AutoFind: Scans 1631, 1632, 1633; Background Corrected with Scan 1622

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	82381	PASS
75	95	30	60	51.1	198068	PASS
95	95	100	100	100.0	387648	PASS
96	95	5	9	7.0	26963	PASS
173	174	0.00	2	1.4	4410	PASS
174	95	50	120	84.1	325952	PASS
175	174	5	9	7.9	25888	PASS
176	174	95	101	95.1	309867	PASS
177	176	5	9	6.8	21149	PASS

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494
Date Analyzed: 03/24/17 12:11

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\032417\P8659.D\

Calibration Date: 1/4/2017
Calibration ID: RC1700007
Analysis Lot: 539250
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.6	0.5862	0.5463	-6.8	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.8	0.6874	0.6571	-4.4	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.2	0.3542	0.3484	-1.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	44.1	0.2169	0.1915	-11.7	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.6	0.2582	0.2508	-2.9	NA	±20	Average RF
Vinyl Chloride	50.0	43.8	0.4829	0.4226	-12.5	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.4	0.4372	0.4234	-3.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	47.6	0.4106	0.391	-4.8	NA	±20	Average RF
4-Bromofluorobenzene	50.0	52.9	0.4322	0.4576	5.9	NA	±20	Average RF
Dibromofluoromethane	50.0	54.5	0.2698	0.2942	9.0	NA	±20	Average RF
Toluene-d8	50.0	55.8	1.1155	1.2451	11.6	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Binghamton/5101.0003

Service Request: R1702494

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Lot: 539250
Instrument ID: R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
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P8658.D\					
I:\ACQUDATA\msvoa12\Data\032417\	Continuing Calibration Verification	RQ1702468-02	3/24/2017	12:11:00	
P8659.D\					
I:\ACQUDATA\msvoa12\Data\032417\	Lab Control Sample	RQ1702468-03	3/24/2017	12:41:00	
P8660.D\					
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P8662.D\					
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P8663.D\					
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P8664.D\					
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P8665.D\					
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P8666.D\					
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P8667.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	16:43:00	
P8668.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	17:13:00	
P8669.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	17:42:00	
P8670.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	18:12:00	
P8671.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	18:42:00	
P8672.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	19:12:00	
P8673.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	19:42:00	
P8674.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	20:12:00	
P8675.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	20:42:00	
P8676.D\					
I:\ACQUDATA\msvoa12\Data\032417\	ZZZZZZZZ	ZZZZZZZZ	3/24/2017	21:12:00	
P8677.D\					
I:\ACQUDATA\msvoa12\Data\032417\	MW-10	R1702494-003	3/24/2017	21:43:00	
P8678.D\					
I:\ACQUDATA\msvoa12\Data\032417\	MW-10 MS	RQ1702468-05	3/24/2017	22:13:00	
P8679.D\					
I:\ACQUDATA\msvoa12\Data\032417\	MW-10 DMS	RQ1702468-06	3/24/2017	22:43:00	
P8680.D\					

Analysis: 8260 waters Analyst: VJQuest pH strips: 223016 Tune Method: 12010417
 Date: 3/24/17 Balance ID: P-07 ResCl strips: N/A Run Method: ↓
 Instr. 12 50 mL Class A used for dilution FV Syringes: 177417 LIMS Run#: 539252

Data Path: j:\acqdata\msvoo\InstID\ (Date)

Pos.	Sample	Diln.	Diln. Prep/	RL	Tier	Vial	pH	File#	OK?	Comments
1	Spent cev (test)		(new traps)					P8056		
2	↓							P8057		
3	↓							P8058		
4	cev		P807024168-01					P8059	✓	(extra) 11:42
5	Lees		02					P8060	✓	
6	WBL		03					P8061	✓	
7	↓		04					P8062	✓	not c/o
8	P17024164-004	1.0		7979	u	1	6	P8063	✓	
9	↓	007				1	6	P8064	✓	
10	↓	009				1	6	P8065	✓	
11	↓	010				1	6.2	P8066	✓	
12	P17024168-003	10	5/50mL			1	—	P8067	✓	*dil. for matrix - dark purple
13	↓	002	20/50mL			1	8	P8068	✓	*fanny
14	↓	004	10/50mL			1	8	P8069	✓	*fanny
15	↓	006	1.0			1	7	P8070	✓	
16	↓	001	1.0			1+2	6	P8071	✓	*sediment
17	↓	013	1.0			1	8	P8072	✓	
18	P17024164-001	1.0				1	8	P8073	✓	
19	↓	002				1	7	P8074	✓	
20	↓	005	1.0			1	7	P8075	✓	
21	↓	006	1.0			1	7	P8076	✓	
22	↓	008	1.0			1	7	P8077	✓	
23	↓	003	1.0			1	6.2	P8078	✓	
24	ms	003	P807024168-05			2	6.2	P8079	✓	
25	↓ msd	003	06			3	6.2	P8080	✓	22:43 ✓
26	BK						—	P8081	—	

All samples = 10 mL + 1 uL combined IS/Surr. 10 mL purged

Combined IS/Surr 500 : 150099

500 Primary Oct : 150103
 Primary Fr+ : 150031
 Primary HSL : 170914
 Primary Tb : 150020
 Primary

300 Secondary Oct : 170949 - 5uL
 Secondary Fr+ : 150100
 Secondary Tb : 170975
 Secondary HSL : 170923
 Secondary

Surrogate :
 Internal Std :
 Reagents :
 vial = ms 10



September 25, 2017

Service Request No:R1708700

Ms. Sarah MacCarter
Verina Consulting Group, LLC
1011 US Highway 22, Suite 302
Bridgewater, NJ 08807

Laboratory Results for: Dover-Binghamton

Dear Ms.MacCarter,

Enclosed are the results of the sample(s) submitted to our laboratory September 15, 2017
For your reference, these analyses have been assigned our service request number **R1708700**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

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ALS Group USA, Corp.
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ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Received: 9/15/17

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV, validation deliverables including all summary forms and associated raw data. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt

Twelve water samples were received for analysis at ALS Environmental on 09/15/2017. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Approved by  Date 9/25/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: TMP-A		Lab ID: R1708700-002				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	0.54	J	0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	0.59	J	0.20	1.0	ug/L	8260C
CLIENT ID: MW-9		Lab ID: R1708700-003				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	0.61	J	0.36	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.30	J	0.30	1.0	ug/L	8260C
Trichloroethene (TCE)	21		0.22	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.92	J	0.30	1.0	ug/L	8260C
CLIENT ID: MW-10		Lab ID: R1708700-004				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	2.3		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	0.81	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	1.3		0.30	1.0	ug/L	8260C
Trichloroethene (TCE)	21		0.22	1.0	ug/L	8260C
Vinyl Chloride	0.38	J	0.32	1.0	ug/L	8260C
cis-1,2-Dichloroethene	5.1		0.30	1.0	ug/L	8260C
CLIENT ID: MW-17		Lab ID: R1708700-008				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	2.2		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	14		0.20	1.0	ug/L	8260C
Trichloroethene (TCE)	0.61	J	0.22	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.40	J	0.30	1.0	ug/L	8260C
CLIENT ID: MW-8		Lab ID: R1708700-009				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	3.7		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	5.5		0.20	1.0	ug/L	8260C
CLIENT ID: MW-16		Lab ID: R1708700-010				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	6.7		0.36	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	31		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	1.2		0.57	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.30	J	0.30	1.0	ug/L	8260C
Trichloroethene (TCE)	13		0.22	1.0	ug/L	8260C
Vinyl Chloride	2.7		0.32	1.0	ug/L	8260C
cis-1,2-Dichloroethene	67		0.30	1.0	ug/L	8260C
CLIENT ID: DUP-091417		Lab ID: R1708700-012				
Analyte	Results	Flag	MDL	PQL	Units	Method
1,1,1-Trichloroethane (TCA)	2.4		0.36	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY**CLIENT ID: DUP-091417****Lab ID: R1708700-012**

Analyte	Results	Flag	MDL	PQL	Units	Method
1,1-Dichloroethane (1,1-DCA)	0.70	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	1.4		0.30	1.0	ug/L	8260C
Trichloroethene (TCE)	21		0.22	1.0	ug/L	8260C
cis-1,2-Dichloroethene	4.9		0.30	1.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request:R1708700

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1708700-001	TRIP BLANK	9/14/2017	
R1708700-002	TMP-A	9/14/2017	1000
R1708700-003	MW-9	9/14/2017	1005
R1708700-004	MW-10	9/14/2017	1015
R1708700-005	DMW-3	9/14/2017	1120
R1708700-006	MW-11	9/14/2017	1135
R1708700-007	MW-13	9/14/2017	1135
R1708700-008	MW-17	9/14/2017	1327
R1708700-009	MW-8	9/14/2017	1330
R1708700-010	MW-16	9/14/2017	1340
R1708700-011	EB-091417	9/14/2017	1400
R1708700-012	DUP-091417	9/14/2017	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

47016

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name Dover-Binghamton		Project Number 5101.0003		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Sarah MacCarter		Report CC		PRESERVATIVE																	
Company/Address Verina Consulting Group, LLC.		NUMBER OF CONTAINERS		GC/MS VOAs • 8260 • 624 • CLP GC/MS SVOAs • 8270 • 625 GC VOAs • 8021 • 601/602 PESTICIDES • 8081 • 608 PCBs • 8082 • 608 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) SSPL VOCs																	
1011 US Highway 22 Suite 302																					
Bridgewater NJ 08807																					
Phone # 908-864-4400		Email smaccarter@vcg-llc.com		PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ ★ 8. Other Sodium thiosulfate REMARKS/ ALTERNATE DESCRIPTION																	
Sampler's Signature MMA		Sampler's Printed Name Matt Gandy, Brian Nale																			
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																	
Trip Blank				TB	3	X															
Tmp-A		9/14/17	10:00	GW	3	X															
MW-9			10:05	GW	3	X															
MW-10			10:15	GW	3	X															
DMW-3 (MS/MSD)			11:20	GW	9	X															
MW-11			11:35	GW	3	X															
MW-13			11:35	GW	3	X															
MW-17			13:27	GW	3	X															
MW-8			13:30	GW	3	X															
MW-16			13:40	GW	3	X															
EB-091417			14:00	EB	3	X															
SPECIAL INSTRUCTIONS/COMMENTS Metals SSPL VOCs: PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA, 1,1,1-TCA, and VC					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day REQUESTED REPORT DATE Standard					REPORT REQUIREMENTS I. Results Only X II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata X Yes No					INVOICE INFORMATION PO # BILL TO:						
STATE WHERE SAMPLES WERE COLLECTED																					
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature MMA		Signature Gregory O. Esmerlan		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name Matt Gandy		Printed Name Gregory O. Esmerlan		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm Verina		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time 9/14/17 15:00		Date/Time 9/15/17 09:05		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							



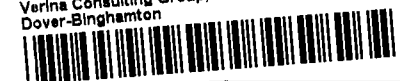
CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

47015

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PAGE 2 OF 2

Project Name Dover-Binghamton		Project Number 5101.0003		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																					
Project Manager Sarah MacCarter		Report CC		PRESERVATIVE																					
Company/Address 1011 US Highway 22 Suite 302 Verina Consulting Group Bridgewater NJ, 08807		Email smaccarter@vcg-llc.com		NUMBER OF CONTAINERS																					
Phone # 908-864-4400		Sampler's Signature MANT		Sampler's Printed Name Matt Gandy Brian Nyle		PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other sodium thiosulfate																			
CLIENT SAMPLE ID DUP-091417		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE 9/14/17		TIME -		MATRIX GW		3		GC/MS VOCs • 8260 • 824 • CLP GC/MS SVOCs • 8270 • 825 GC VOCs • 8021 • 601/802 PESTICIDES • 8081 • 608 PCBs • 8082 • 608 METALS TOTAL (List in comments below) METALS DISSOLVED (List in comments below) SSPL VOCs													
X												REMARKS/ ALTERNATE DESCRIPTION Duplicate Sample													
SPECIAL INSTRUCTIONS/COMMENTS Metals SSPL VOCs: PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA 1,1,1-TCA, and VC *Call if you have questions		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day REQUESTED REPORT DATE Standard		REPORT REQUIREMENTS I. Results Only X II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata X Yes No		INVOICE INFORMATION PO # BILL TO:																			
STATE WHERE SAMPLES WERE COLLECTED		RELIQUISHED BY		RECEIVED BY		RELIQUISHED BY		RECEIVED BY		RELIQUISHED BY		RECEIVED BY													
Signature MANT		Signature Gregory P. Emerian		Signature		Signature		Signature		Signature		Signature													
Printed Name Matt Gandy		Printed Name Verina		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name													
Firm Verina		Firm ALS		Firm		Firm		Firm		Firm		Firm													
Date/Time 9/14/17 15:00		Date/Time 9-15-17 09:05		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time													

R1708700
Verina Consulting Group, LLC
Dover-Binghamton

5



Cooler Receipt and Preservation Check Form

Project/Client Verina Consulting Group Folder Number _____

Cooler received on 9-15-17 by: ME

COURIER: ALS UPS FEDEX VELOCITY CLIENT

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

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

8. Temperature Readings Date: 9-15-17 Time: 09:25 ID: IR#7 IR#8 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>2.2</u>						
Correction Factor (°C)	<u>+0.4</u>						
Corrected Temp (°C)	<u>2.6</u>						
Temp from: Type of bottle	<u>VOA vial</u>						
Within 0-6°C?	<u>(Y)</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted _____ Poorly Packed _____ Same Day Rule _____

& Client Approval to Run Samples: _____ Standing Approval _____ Client aware at drop-off _____ Client notified by: _____

All samples held in storage location: R-002 by ME on 9-15-17 at 09:28
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 9/18/17 Time: 0727 by: @

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

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH	Yes	No						
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	-	-						
		ZnAcetate	-	-						
		HCl	**	**	<u>4/15022</u>					

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 6-222-001, 6-195-001

Explain all Discrepancies/ Other Comments:

* MW-8 : All 3 vials
MW-9 : 2 of 3 vials

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

Labels secondary reviewed by: _____

PC Secondary Review: me 9/19/17

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

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1708700-001.01	8260C				
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/21/2017	1120	In Lab / DLIPANI	
		9/21/2017	1844	R-001-S11 / DLIPANI	
R1708700-001.02		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-001.03		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-002.01	8260C				
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/21/2017	1120	In Lab / DLIPANI	
		9/21/2017	1844	R-001-S11 / DLIPANI	
R1708700-002.02		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-002.03		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-003.01	8260C				
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/19/2017	0916	In Lab / DLIPANI	
		9/19/2017	1815	R-001-S11 / DLIPANI	
R1708700-003.02		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-003.03		9/18/2017	0728	R-001 / GLAFORCE	

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Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1708700-004.01	8260C	9/18/2017	0728	SMO / GLAFORCE	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/21/2017	1120	In Lab / DLIPANI	
		9/21/2017	1844	R-001-S11 / DLIPANI	
R1708700-004.02		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-004.03		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-005.01	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/21/2017	1120	In Lab / DLIPANI	
		9/21/2017	1844	R-001-S11 / DLIPANI	
R1708700-005.02		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-005.03		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-005.04		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-005.05		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-005.06		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	

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Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1708700-005.07		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-005.08		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-005.09		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-006.01	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/19/2017	0916	In Lab / DLIPANI	
		9/19/2017	1814	R-001-S11 / DLIPANI	
R1708700-006.02		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-006.03		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-007.01	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/21/2017	1121	In Lab / DLIPANI	
		9/21/2017	1844	R-001-S11 / DLIPANI	
R1708700-007.02		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-007.03					

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Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1708700-008.01	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-008.02	8260C	9/19/2017	0916	In Lab / DLIPANI	
		9/19/2017	1814	R-001-S11 / DLIPANI	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-008.03	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-009.01	8260C	9/19/2017	0916	In Lab / DLIPANI	
		9/19/2017	1814	R-001-S11 / DLIPANI	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-009.02	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-009.03	8260C	9/19/2017	0916	In Lab / DLIPANI	
		9/19/2017	1814	R-001-S11 / DLIPANI	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-010.01	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/19/2017	0916	In Lab / DLIPANI	
		9/19/2017	1814	R-001-S11 / DLIPANI	
R1708700-010.02	8260C	9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	

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Internal Chain of Custody Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1708700-010.03					
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-011.01					
	8260C				
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/21/2017	1121	In Lab / DLIPANI	
		9/21/2017	1844	R-001-S11 / DLIPANI	
R1708700-011.02					
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-011.03					
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-012.01					
	8260C				
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
		9/21/2017	1121	In Lab / DLIPANI	
		9/21/2017	1844	R-001-S11 / DLIPANI	
R1708700-012.02					
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	
R1708700-012.03					
		9/18/2017	0728	R-001 / GLAFORCE	
		9/18/2017	0728	SMO / GLAFORCE	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% (25% for CLP) difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads>

ALS Laboratory Group

Acronyms

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

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Analyst Summary report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Sample Name: TRIP BLANK
Lab Code: R1708700-001
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: TMP-A
Lab Code: R1708700-002
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: MW-9
Lab Code: R1708700-003
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: MW-10
Lab Code: R1708700-004
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: DMW-3
Lab Code: R1708700-005
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Sample Name: MW-11
Lab Code: R1708700-006
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: MW-13
Lab Code: R1708700-007
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: MW-17
Lab Code: R1708700-008
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: MW-8
Lab Code: R1708700-009
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: MW-16
Lab Code: R1708700-010
Sample Matrix: Water

Date Collected: 09/14/17**Date Received:** 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

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Analyst Summary report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Sample Name: EB-091417
Lab Code: R1708700-011
Sample Matrix: Water

Date Collected: 09/14/17
Date Received: 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: DUP-091417
Lab Code: R1708700-012
Sample Matrix: Water

Date Collected: 09/14/17
Date Received: 09/15/17

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

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

Water/Liquid Matrix

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

Solid/Soil/Non-Aqueous Matrix

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

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



Sample Results

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17
Date Received: 09/15/17 09:05

Sample Name: TRIP BLANK
Lab Code: R1708700-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 11:48	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 11:48	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 11:48	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 11:48	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 11:48	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 11:48	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 11:48	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 11:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/21/17 11:48	
Dibromofluoromethane	102	89 - 119	09/21/17 11:48	
Toluene-d8	110	87 - 121	09/21/17 11:48	

ALS Group USA, Corp.
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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 10:00
Date Received: 09/15/17 09:05

Sample Name: TMP-A
Lab Code: R1708700-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.54 J	1.0	0.36	1	09/21/17 12:40	
1,1-Dichloroethane (1,1-DCA)	0.59 J	1.0	0.20	1	09/21/17 12:40	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 12:40	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 12:40	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 12:40	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 12:40	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 12:40	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 12:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/21/17 12:40	
Dibromofluoromethane	102	89 - 119	09/21/17 12:40	
Toluene-d8	110	87 - 121	09/21/17 12:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 10:15
Date Received: 09/15/17 09:05

Sample Name: MW-10
Lab Code: R1708700-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.3	1.0	0.36	1	09/21/17 13:58	
1,1-Dichloroethane (1,1-DCA)	0.81 J	1.0	0.20	1	09/21/17 13:58	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 13:58	
Tetrachloroethene (PCE)	1.3	1.0	0.30	1	09/21/17 13:58	
Trichloroethene (TCE)	21	1.0	0.22	1	09/21/17 13:58	
Vinyl Chloride	0.38 J	1.0	0.32	1	09/21/17 13:58	
cis-1,2-Dichloroethene	5.1	1.0	0.30	1	09/21/17 13:58	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 13:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/21/17 13:58	
Dibromofluoromethane	102	89 - 119	09/21/17 13:58	
Toluene-d8	110	87 - 121	09/21/17 13:58	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 11:20
Date Received: 09/15/17 09:05

Sample Name: DMW-3
Lab Code: R1708700-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 13:06	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 13:06	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 13:06	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 13:06	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 13:06	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 13:06	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 13:06	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 13:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/21/17 13:06	
Dibromofluoromethane	103	89 - 119	09/21/17 13:06	
Toluene-d8	110	87 - 121	09/21/17 13:06	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 11:35
Date Received: 09/15/17 09:05

Sample Name: MW-13
Lab Code: R1708700-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 13:32	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 13:32	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 13:32	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 13:32	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 13:32	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 13:32	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 13:32	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 13:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/21/17 13:32	
Dibromofluoromethane	101	89 - 119	09/21/17 13:32	
Toluene-d8	111	87 - 121	09/21/17 13:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 14:00
Date Received: 09/15/17 09:05

Sample Name: EB-091417
Lab Code: R1708700-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 12:14	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 12:14	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 12:14	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 12:14	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 12:14	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 12:14	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 12:14	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 12:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/21/17 12:14	
Dibromofluoromethane	100	89 - 119	09/21/17 12:14	
Toluene-d8	110	87 - 121	09/21/17 12:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17
Date Received: 09/15/17 09:05

Sample Name: DUP-091417
Lab Code: R1708700-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.4	1.0	0.36	1	09/21/17 17:26	
1,1-Dichloroethane (1,1-DCA)	0.70 J	1.0	0.20	1	09/21/17 17:26	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 17:26	
Tetrachloroethene (PCE)	1.4	1.0	0.30	1	09/21/17 17:26	
Trichloroethene (TCE)	21	1.0	0.22	1	09/21/17 17:26	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 17:26	
cis-1,2-Dichloroethene	4.9	1.0	0.30	1	09/21/17 17:26	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 17:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/21/17 17:26	
Dibromofluoromethane	100	89 - 119	09/21/17 17:26	
Toluene-d8	109	87 - 121	09/21/17 17:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 10:05
Date Received: 09/15/17 09:05

Sample Name: MW-9
Lab Code: R1708700-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.61 J	1.0	0.36	1	09/19/17 18:01	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/19/17 18:01	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/19/17 18:01	
Tetrachloroethene (PCE)	0.30 J	1.0	0.30	1	09/19/17 18:01	
Trichloroethene (TCE)	21	1.0	0.22	1	09/19/17 18:01	
Vinyl Chloride	ND U	1.0	0.32	1	09/19/17 18:01	
cis-1,2-Dichloroethene	0.92 J	1.0	0.30	1	09/19/17 18:01	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 18:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/19/17 18:01	
Dibromofluoromethane	102	89 - 119	09/19/17 18:01	
Toluene-d8	110	87 - 121	09/19/17 18:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 11:35
Date Received: 09/15/17 09:05

Sample Name: MW-11
Lab Code: R1708700-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	10	3.6	10	09/19/17 17:35	
1,1-Dichloroethane (1,1-DCA)	ND U	10	2.0	10	09/19/17 17:35	
1,1-Dichloroethene (1,1-DCE)	ND U	10	5.7	10	09/19/17 17:35	
Tetrachloroethene (PCE)	ND U	10	3.0	10	09/19/17 17:35	
Trichloroethene (TCE)	ND U	10	2.2	10	09/19/17 17:35	
Vinyl Chloride	ND U	10	3.2	10	09/19/17 17:35	
cis-1,2-Dichloroethene	ND U	10	3.0	10	09/19/17 17:35	
trans-1,2-Dichloroethene	ND U	10	3.3	10	09/19/17 17:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/19/17 17:35	
Dibromofluoromethane	99	89 - 119	09/19/17 17:35	
Toluene-d8	109	87 - 121	09/19/17 17:35	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 13:27
Date Received: 09/15/17 09:05

Sample Name: MW-17
Lab Code: R1708700-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.2	1.0	0.36	1	09/19/17 18:27	
1,1-Dichloroethane (1,1-DCA)	14	1.0	0.20	1	09/19/17 18:27	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/19/17 18:27	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/19/17 18:27	
Trichloroethene (TCE)	0.61 J	1.0	0.22	1	09/19/17 18:27	
Vinyl Chloride	ND U	1.0	0.32	1	09/19/17 18:27	
cis-1,2-Dichloroethene	0.40 J	1.0	0.30	1	09/19/17 18:27	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 18:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/19/17 18:27	
Dibromofluoromethane	101	89 - 119	09/19/17 18:27	
Toluene-d8	112	87 - 121	09/19/17 18:27	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 13:30
Date Received: 09/15/17 09:05

Sample Name: MW-8
Lab Code: R1708700-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	3.7	1.0	0.36	1	09/19/17 18:53	
1,1-Dichloroethane (1,1-DCA)	5.5	1.0	0.20	1	09/19/17 18:53	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/19/17 18:53	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/19/17 18:53	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/19/17 18:53	
Vinyl Chloride	ND U	1.0	0.32	1	09/19/17 18:53	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/19/17 18:53	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 18:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/19/17 18:53	
Dibromofluoromethane	99	89 - 119	09/19/17 18:53	
Toluene-d8	111	87 - 121	09/19/17 18:53	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 13:40
Date Received: 09/15/17 09:05

Sample Name: MW-16
Lab Code: R1708700-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	6.7	1.0	0.36	1	09/19/17 19:18	
1,1-Dichloroethane (1,1-DCA)	31	1.0	0.20	1	09/19/17 19:18	
1,1-Dichloroethene (1,1-DCE)	1.2	1.0	0.57	1	09/19/17 19:18	
Tetrachloroethene (PCE)	0.30 J	1.0	0.30	1	09/19/17 19:18	
Trichloroethene (TCE)	13	1.0	0.22	1	09/19/17 19:18	
Vinyl Chloride	2.7	1.0	0.32	1	09/19/17 19:18	
cis-1,2-Dichloroethene	67	1.0	0.30	1	09/19/17 19:18	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 19:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/19/17 19:18	
Dibromofluoromethane	101	89 - 119	09/19/17 19:18	
Toluene-d8	109	87 - 121	09/19/17 19:18	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	89 - 119	87 - 121
TRIP BLANK	R1708700-001	98	102	110
TMP-A	R1708700-002	101	102	110
MW-10	R1708700-004	100	102	110
DMW-3	R1708700-005	101	103	110
MW-13	R1708700-007	99	101	111
EB-091417	R1708700-011	99	100	110
DUP-091417	R1708700-012	102	100	109
Lab Control Sample	RQ1709663-03	103	104	109
Method Blank	RQ1709663-04	98	100	108
DMW-3 MS	RQ1709663-05	104	103	111
DMW-3 DMS	RQ1709663-06	103	102	108

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17
Date Received: 09/15/17
Date Analyzed: 09/21/17

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: DMW-3
Lab Code: R1708700-005
Analysis Method: 8260C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1709663-05			Duplicate Matrix Spike RQ1709663-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1-Trichloroethane (TCA)	ND U	49.9	50.0	100	47.6	50.0	95	74-127	5	30
1,1-Dichloroethane (1,1-DCA)	ND U	54.5	50.0	109	54.5	50.0	109	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	ND U	51.1	50.0	102	49.0	50.0	98	74-139	4	30
Tetrachloroethene (PCE)	ND U	51.5	50.0	103	49.8	50.0	100	67-137	3	30
Trichloroethene (TCE)	ND U	52.4	50.0	105	52.8	50.0	106	62-142	<1	30
Vinyl Chloride	ND U	55.6	50.0	111	56.3	50.0	113	60-157	1	30
cis-1,2-Dichloroethene	ND U	54.5	50.0	109	54.5	50.0	109	72-133	<1	30
trans-1,2-Dichloroethene	ND U	52.8	50.0	106	50.8	50.0	102	77-125	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Analyzed: 09/21/17 11:22

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** R-MS-06
Lab Code: RQ1709663-04 **File ID:** I:\ACQUDATA\MSVOA6\DATA\092117\D8348.D\
Analysis Method: 8260C **Analysis Lot:** 562566

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1709663-03	I:\ACQUDATA\MSVOA6\DATA\092117\D8345.D\	09/21/17 09:59
TRIP BLANK	R1708700-001	I:\ACQUDATA\MSVOA6\DATA\092117\D8349.D\	09/21/17 11:48
EB-091417	R1708700-011	I:\ACQUDATA\MSVOA6\DATA\092117\D8350.D\	09/21/17 12:14
TMP-A	R1708700-002	I:\ACQUDATA\MSVOA6\DATA\092117\D8351.D\	09/21/17 12:40
DMW-3	R1708700-005	I:\ACQUDATA\MSVOA6\DATA\092117\D8352.D\	09/21/17 13:06
MW-13	R1708700-007	I:\ACQUDATA\MSVOA6\DATA\092117\D8353.D\	09/21/17 13:32
MW-10	R1708700-004	I:\ACQUDATA\MSVOA6\DATA\092117\D8354.D\	09/21/17 13:58
DUP-091417	R1708700-012	I:\ACQUDATA\MSVOA6\DATA\092117\D8362.D\	09/21/17 17:26
DMW-3	RQ1709663-05	I:\ACQUDATA\MSVOA6\DATA\092117\D8367.D\	09/21/17 19:35
DMW-3	RQ1709663-06	I:\ACQUDATA\MSVOA6\DATA\092117\D8368.D\	09/21/17 20:00

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1709663-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 11:22	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 11:22	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 11:22	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 11:22	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 11:22	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 11:22	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 11:22	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 11:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/21/17 11:22	
Dibromofluoromethane	100	89 - 119	09/21/17 11:22	
Toluene-d8	108	87 - 121	09/21/17 11:22	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Analyzed: 09/21/17 09:59

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample**Instrument ID:** R-MS-06**Lab Code:** RQ1709663-03**File ID:** I:\ACQUDATA\MSVOA6\DATA\092117\D8345.D**Analysis Method:** 8260C**Analysis Lot:** 562566

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1709663-04	I:\ACQUDATA\MSVOA6\DATA\092117\D8348.D\	09/21/17 11:22
TRIP BLANK	R1708700-001	I:\ACQUDATA\MSVOA6\DATA\092117\D8349.D\	09/21/17 11:48
EB-091417	R1708700-011	I:\ACQUDATA\MSVOA6\DATA\092117\D8350.D\	09/21/17 12:14
TMP-A	R1708700-002	I:\ACQUDATA\MSVOA6\DATA\092117\D8351.D\	09/21/17 12:40
DMW-3	R1708700-005	I:\ACQUDATA\MSVOA6\DATA\092117\D8352.D\	09/21/17 13:06
MW-13	R1708700-007	I:\ACQUDATA\MSVOA6\DATA\092117\D8353.D\	09/21/17 13:32
MW-10	R1708700-004	I:\ACQUDATA\MSVOA6\DATA\092117\D8354.D\	09/21/17 13:58
DUP-091417	R1708700-012	I:\ACQUDATA\MSVOA6\DATA\092117\D8362.D\	09/21/17 17:26
DMW-3	RQ1709663-05	I:\ACQUDATA\MSVOA6\DATA\092117\D8367.D\	09/21/17 19:35
DMW-3	RQ1709663-06	I:\ACQUDATA\MSVOA6\DATA\092117\D8368.D\	09/21/17 20:00

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Analyzed: 09/21/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1709663-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.7	20.0	94	74-120
1,1-Dichloroethane (1,1-DCA)	8260C	20.8	20.0	104	78-117
1,1-Dichloroethene (1,1-DCE)	8260C	19.4	20.0	97	74-135
Tetrachloroethene (PCE)	8260C	20.5	20.0	102	78-124
Trichloroethene (TCE)	8260C	19.3	20.0	96	78-123
Vinyl Chloride	8260C	21.9	20.0	110	69-133
cis-1,2-Dichloroethene	8260C	20.7	20.0	103	80-121
trans-1,2-Dichloroethene	8260C	19.2	20.0	96	80-120

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dba ALS Environmental

QC/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/21/17 08:59

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\092117\D8343.D\
Instrument ID: R-MS-06

Analytical Method: 8260C
Analysis Lot: 562566

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	20.47	23701	Pass
75	95	30	60	49.99	57880	Pass
95	95	100	100	100.00	115787	Pass
96	95	5	9	7.17	8306	Pass
173	174	0	2	0.00	0	Pass
174	95	50	120	103.37	119684	Pass
175	174	5	9	8.69	10402	Pass
176	174	95	101	96.83	115896	Pass
177	176	5	9	7.31	8472	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1709663-02	I:\ACQUDATA\MSVOA6\DATA\092117\D8344.D\	09/21/17 09:29	
Lab Control Sample	RQ1709663-03	I:\ACQUDATA\MSVOA6\DATA\092117\D8345.D\	09/21/17 09:59	
Method Blank	RQ1709663-04	I:\ACQUDATA\MSVOA6\DATA\092117\D8348.D\	09/21/17 11:22	
TRIP BLANK	R1708700-001	I:\ACQUDATA\MSVOA6\DATA\092117\D8349.D\	09/21/17 11:48	
EB-091417	R1708700-011	I:\ACQUDATA\MSVOA6\DATA\092117\D8350.D\	09/21/17 12:14	
TMP-A	R1708700-002	I:\ACQUDATA\MSVOA6\DATA\092117\D8351.D\	09/21/17 12:40	
DMW-3	R1708700-005	I:\ACQUDATA\MSVOA6\DATA\092117\D8352.D\	09/21/17 13:06	
MW-13	R1708700-007	I:\ACQUDATA\MSVOA6\DATA\092117\D8353.D\	09/21/17 13:32	
MW-10	R1708700-004	I:\ACQUDATA\MSVOA6\DATA\092117\D8354.D\	09/21/17 13:58	
DUP-091417	R1708700-012	I:\ACQUDATA\MSVOA6\DATA\092117\D8362.D\	09/21/17 17:26	
DMW-3	RQ1709663-05	I:\ACQUDATA\MSVOA6\DATA\092117\D8367.D\	09/21/17 19:35	
DMW-3	RQ1709663-06	I:\ACQUDATA\MSVOA6\DATA\092117\D8368.D\	09/21/17 20:00	

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/21/17 09:29

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

File ID: I:\ACQUDATA\MSVOA6\DATA\092117\D8344.D\
Instrument ID: R-MS-06
Analysis Method: 8260C

Lab Code: RQ1709663-02
Analysis Lot: 562566
Signal ID:

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
ICAL Result ==>	227,604	11.29	395,999	5.88	192,136	9.19
Upper Limit ==>	455,208	11.79	791,998	6.38	384,272	9.69
Lower Limit ==>	113,802	10.79	198,000	5.38	96,068	8.69

Associated Analyses

Lab Control Sample	RQ1709663-03	205366	11.29	403127	5.87	183903	9.19
Method Blank	RQ1709663-04	187189	11.29	384929	5.87	179323	9.19
TRIP BLANK	R1708700-001	195649	11.29	378931	5.87	181009	9.19
EB-091417	R1708700-011	193959	11.29	380848	5.87	178646	9.19
TMP-A	R1708700-002	192527	11.29	369242	5.87	176556	9.19
DMW-3	R1708700-005	194570	11.29	368418	5.87	176494	9.20
MW-13	R1708700-007	194913	11.29	376228	5.87	178366	9.19
MW-10	R1708700-004	194310	11.29	389280	5.87	181050	9.19
DUP-091417	R1708700-012	195836	11.29	378874	5.87	178524	9.20
DMW-3	RQ1709663-05	219616	11.29	399028	5.87	192067	9.19
DMW-3	RQ1709663-06	224145	11.29	403193	5.87	197619	9.19

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/21/17 09:29

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

File ID: I:\ACQUDATA\MSVOA6\DATA\092117\D8344.D\
Instrument ID: R-MS-06
Analysis Method: 8260C

Lab Code: RQ1709663-02
Analysis Lot: 562566
Signal ID:

	Pentafluorobenzene	
	Area	RT
ICAL Result ==>	302,604	4.59
Upper Limit ==>	605,208	5.09
Lower Limit ==>	151,302	4.09

Associated Analyses

Lab Control Sample	RQ1709663-03	310468	4.60
Method Blank	RQ1709663-04	280743	4.59
TRIP BLANK	R1708700-001	276266	4.60
EB-091417	R1708700-011	279678	4.59
TMP-A	R1708700-002	276771	4.60
DMW-3	R1708700-005	273290	4.60
MW-13	R1708700-007	278031	4.59
MW-10	R1708700-004	287220	4.59
DUP-091417	R1708700-012	282076	4.60
DMW-3	RQ1709663-05	300688	4.60
DMW-3	RQ1709663-06	307268	4.59

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	89 - 119	87 - 121
MW-9	R1708700-003	100	102	110
MW-11	R1708700-006	98	99	109
MW-17	R1708700-008	100	101	112
MW-8	R1708700-009	99	99	111
MW-16	R1708700-010	101	101	109
Lab Control Sample	RQ1709591-03	102	102	110
Method Blank	RQ1709591-04	99	101	112

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Analyzed: 09/19/17 10:56

Method Blank Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: Method Blank**Instrument ID:** R-MS-06**Lab Code:** RQ1709591-04**File ID:** I:\ACQUDATA\MSVOA6\DATA\091917\D8290.D**Analysis Method:** 8260C**Analysis Lot:** 562155

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1709591-03	I:\ACQUDATA\MSVOA6\DATA\091917\D8287.D\	09/19/17 09:38
MW-11	R1708700-006	I:\ACQUDATA\MSVOA6\DATA\091917\D8305.D\	09/19/17 17:35
MW-9	R1708700-003	I:\ACQUDATA\MSVOA6\DATA\091917\D8306.D\	09/19/17 18:01
MW-17	R1708700-008	I:\ACQUDATA\MSVOA6\DATA\091917\D8307.D\	09/19/17 18:27
MW-8	R1708700-009	I:\ACQUDATA\MSVOA6\DATA\091917\D8308.D\	09/19/17 18:53
MW-16	R1708700-010	I:\ACQUDATA\MSVOA6\DATA\091917\D8309.D\	09/19/17 19:18

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1709591-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/19/17 10:56	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/19/17 10:56	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/19/17 10:56	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/19/17 10:56	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/19/17 10:56	
Vinyl Chloride	ND U	1.0	0.32	1	09/19/17 10:56	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/19/17 10:56	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 10:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/19/17 10:56	
Dibromofluoromethane	101	89 - 119	09/19/17 10:56	
Toluene-d8	112	87 - 121	09/19/17 10:56	

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Analyzed: 09/19/17 09:38

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: Lab Control Sample **Instrument ID:** R-MS-06
Lab Code: RQ1709591-03 **File ID:** I:\ACQUDATA\MSVOA6\DATA\091917\D8287.D\
Analysis Method: 8260C **Analysis Lot:** 562155

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1709591-04	I:\ACQUDATA\MSVOA6\DATA\091917\D8290.D\	09/19/17 10:56
MW-11	R1708700-006	I:\ACQUDATA\MSVOA6\DATA\091917\D8305.D\	09/19/17 17:35
MW-9	R1708700-003	I:\ACQUDATA\MSVOA6\DATA\091917\D8306.D\	09/19/17 18:01
MW-17	R1708700-008	I:\ACQUDATA\MSVOA6\DATA\091917\D8307.D\	09/19/17 18:27
MW-8	R1708700-009	I:\ACQUDATA\MSVOA6\DATA\091917\D8308.D\	09/19/17 18:53
MW-16	R1708700-010	I:\ACQUDATA\MSVOA6\DATA\091917\D8309.D\	09/19/17 19:18

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Analyzed: 09/19/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1709591-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.6	20.0	103	74-120
1,1-Dichloroethane (1,1-DCA)	8260C	23.1	20.0	115	78-117
1,1-Dichloroethene (1,1-DCE)	8260C	20.7	20.0	104	74-135
Tetrachloroethene (PCE)	8260C	20.5	20.0	102	78-124
Trichloroethene (TCE)	8260C	21.0	20.0	105	78-123
Vinyl Chloride	8260C	24.4	20.0	122	69-133
cis-1,2-Dichloroethene	8260C	22.5	20.0	113	80-121
trans-1,2-Dichloroethene	8260C	21.0	20.0	105	80-120

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QC/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/19/17 08:46

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA6\DATA\091917\D8285.D\
Instrument ID: R-MS-06

Analytical Method: 8260C
Analysis Lot: 562155

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	20.83	24667	Pass
75	95	30	60	50.31	59581	Pass
95	95	100	100	100.00	118429	Pass
96	95	5	9	6.90	8174	Pass
173	174	0	2	0.88	1055	Pass
174	95	50	120	101.49	120197	Pass
175	174	5	9	8.94	10748	Pass
176	174	95	101	96.68	116211	Pass
177	176	5	9	7.13	8291	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1709591-02	I:\ACQUDATA\MSVOA6\DATA\091917\D8286.D\	09/19/17 09:12	
Lab Control Sample	RQ1709591-03	I:\ACQUDATA\MSVOA6\DATA\091917\D8287.D\	09/19/17 09:38	
Method Blank	RQ1709591-04	I:\ACQUDATA\MSVOA6\DATA\091917\D8290.D\	09/19/17 10:56	
MW-11	R1708700-006	I:\ACQUDATA\MSVOA6\DATA\091917\D8305.D\	09/19/17 17:35	
MW-9	R1708700-003	I:\ACQUDATA\MSVOA6\DATA\091917\D8306.D\	09/19/17 18:01	
MW-17	R1708700-008	I:\ACQUDATA\MSVOA6\DATA\091917\D8307.D\	09/19/17 18:27	
MW-8	R1708700-009	I:\ACQUDATA\MSVOA6\DATA\091917\D8308.D\	09/19/17 18:53	
MW-16	R1708700-010	I:\ACQUDATA\MSVOA6\DATA\091917\D8309.D\	09/19/17 19:18	

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/19/17 09:12

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

File ID: I:\ACQUDATA\MSVOA6\DATA\091917\D8286.D\
Instrument ID: R-MS-06
Analysis Method: 8260C

Lab Code: RQ1709591-02
Analysis Lot: 562155
Signal ID:

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
ICAL Result ==>	222,554	11.29	375,638	5.87	184,968	9.19
Upper Limit ==>	445,108	11.79	751,276	6.37	369,936	9.69
Lower Limit ==>	111,277	10.79	187,819	5.37	92,484	8.69

Associated Analyses

Lab Control Sample	RQ1709591-03	204561	11.29	386694	5.87	187982	9.19
Method Blank	RQ1709591-04	194295	11.29	365982	5.87	180212	9.19
MW-11	R1708700-006	191482	11.29	359860	5.87	178060	9.19
MW-9	R1708700-003	192677	11.29	355243	5.88	178423	9.19
MW-17	R1708700-008	191480	11.29	351252	5.88	173484	9.20
MW-8	R1708700-009	174321	11.29	354838	5.87	176044	9.20
MW-16	R1708700-010	189131	11.29	358785	5.88	173123	9.20

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/19/17 09:12

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

File ID: I:\ACQUDATA\MSVOA6\DATA\091917\D8286.D\
Instrument ID: R-MS-06
Analysis Method: 8260C

Lab Code: RQ1709591-02
Analysis Lot: 562155
Signal ID:

	Pentafluorobenzene	
	Area	RT
ICAL Result ==>	277,028	4.59
Upper Limit ==>	554,056	5.09
Lower Limit ==>	138,514	4.09

Associated Analyses

Lab Control Sample	RQ1709591-03	281215	4.60
Method Blank	RQ1709591-04	264805	4.59
MW-11	R1708700-006	261183	4.60
MW-9	R1708700-003	260282	4.60
MW-17	R1708700-008	248818	4.60
MW-8	R1708700-009	254704	4.60
MW-16	R1708700-010	257121	4.60



Raw Data

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17
Date Received: 09/15/17 09:05

Sample Name: TRIP BLANK
Lab Code: R1708700-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 11:48	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 11:48	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 11:48	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 11:48	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 11:48	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 11:48	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 11:48	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 11:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/21/17 11:48	
Dibromofluoromethane	102	89 - 119	09/21/17 11:48	
Toluene-d8	110	87 - 121	09/21/17 11:48	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 10:00
Date Received: 09/15/17 09:05

Sample Name: TMP-A
Lab Code: R1708700-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.54 J	1.0	0.36	1	09/21/17 12:40	
1,1-Dichloroethane (1,1-DCA)	0.59 J	1.0	0.20	1	09/21/17 12:40	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 12:40	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 12:40	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 12:40	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 12:40	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 12:40	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 12:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/21/17 12:40	
Dibromofluoromethane	102	89 - 119	09/21/17 12:40	
Toluene-d8	110	87 - 121	09/21/17 12:40	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 10:15
Date Received: 09/15/17 09:05

Sample Name: MW-10
Lab Code: R1708700-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.3	1.0	0.36	1	09/21/17 13:58	
1,1-Dichloroethane (1,1-DCA)	0.81 J	1.0	0.20	1	09/21/17 13:58	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 13:58	
Tetrachloroethene (PCE)	1.3	1.0	0.30	1	09/21/17 13:58	
Trichloroethene (TCE)	21	1.0	0.22	1	09/21/17 13:58	
Vinyl Chloride	0.38 J	1.0	0.32	1	09/21/17 13:58	
cis-1,2-Dichloroethene	5.1	1.0	0.30	1	09/21/17 13:58	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 13:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/21/17 13:58	
Dibromofluoromethane	102	89 - 119	09/21/17 13:58	
Toluene-d8	110	87 - 121	09/21/17 13:58	

ALS Group USA, Corp.
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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 11:20
Date Received: 09/15/17 09:05

Sample Name: DMW-3
Lab Code: R1708700-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 13:06	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 13:06	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 13:06	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 13:06	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 13:06	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 13:06	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 13:06	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 13:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/21/17 13:06	
Dibromofluoromethane	103	89 - 119	09/21/17 13:06	
Toluene-d8	110	87 - 121	09/21/17 13:06	

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Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 11:35
Date Received: 09/15/17 09:05

Sample Name: MW-13
Lab Code: R1708700-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 13:32	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 13:32	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 13:32	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 13:32	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 13:32	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 13:32	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 13:32	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 13:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/21/17 13:32	
Dibromofluoromethane	101	89 - 119	09/21/17 13:32	
Toluene-d8	111	87 - 121	09/21/17 13:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 14:00
Date Received: 09/15/17 09:05

Sample Name: EB-091417
Lab Code: R1708700-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.36	1	09/21/17 12:14	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/21/17 12:14	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 12:14	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/21/17 12:14	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/21/17 12:14	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 12:14	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/21/17 12:14	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 12:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/21/17 12:14	
Dibromofluoromethane	100	89 - 119	09/21/17 12:14	
Toluene-d8	110	87 - 121	09/21/17 12:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17
Date Received: 09/15/17 09:05

Sample Name: DUP-091417
Lab Code: R1708700-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

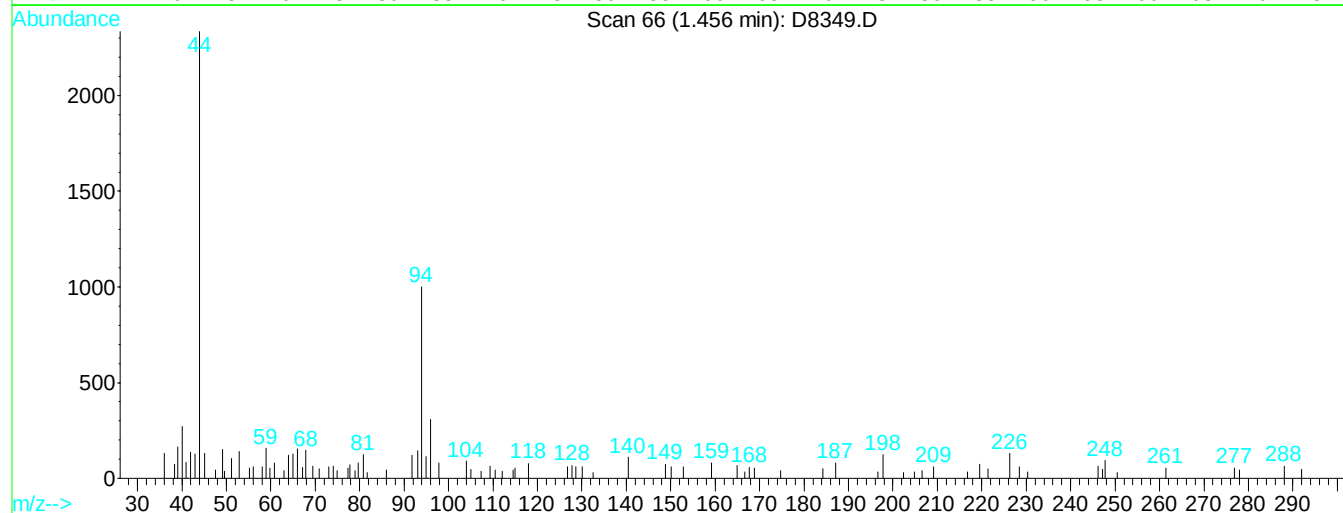
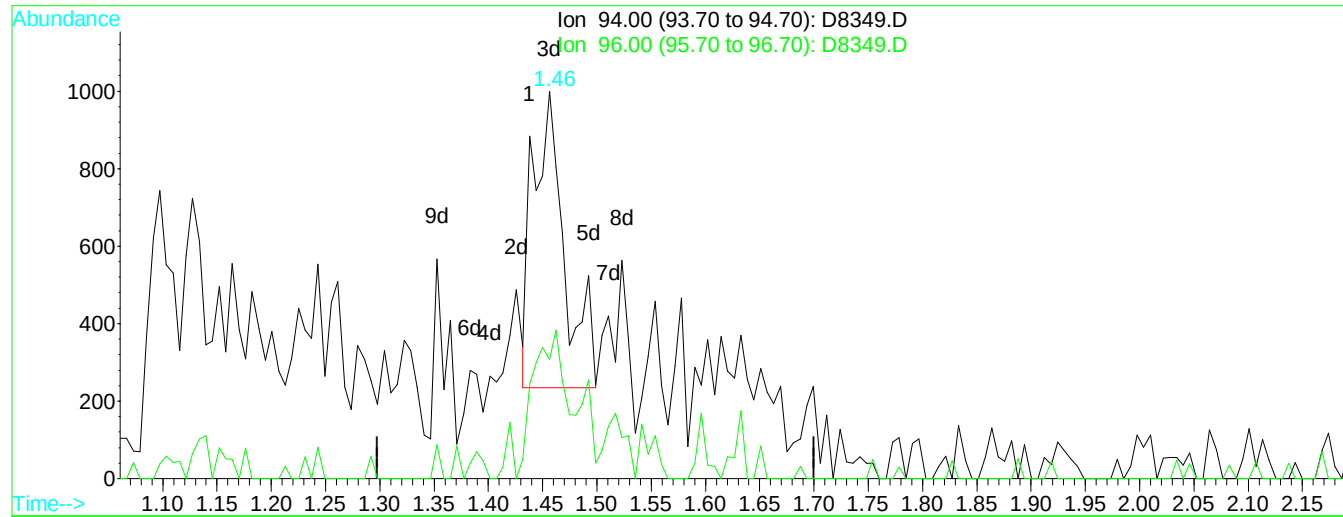
Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.4	1.0	0.36	1	09/21/17 17:26	
1,1-Dichloroethane (1,1-DCA)	0.70 J	1.0	0.20	1	09/21/17 17:26	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/21/17 17:26	
Tetrachloroethene (PCE)	1.4	1.0	0.30	1	09/21/17 17:26	
Trichloroethene (TCE)	21	1.0	0.22	1	09/21/17 17:26	
Vinyl Chloride	ND U	1.0	0.32	1	09/21/17 17:26	
cis-1,2-Dichloroethene	4.9	1.0	0.30	1	09/21/17 17:26	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/21/17 17:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/21/17 17:26	
Dibromofluoromethane	100	89 - 119	09/21/17 17:26	
Toluene-d8	109	87 - 121	09/21/17 17:26	

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8349.D Vial: 10
Acq On : 21 Sep 2017 11:48 am Operator: D.Lipani
Sample : R1708700-001|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 10:44 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8349.D

(5) Bromomethane (P)

Manual Integration:

1.46min 0.75ug/L m

After

response 1520

Poor integration.

Ion	Exp%	Act%
94.00	100	100
96.00	93.70	30.80#
0.00	0.00	0.00
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8349.D

Vial: 10

Acq On : 21 Sep 2017 11:48 am

Operator: D.Lipani

Sample : R1708700-001|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 12:05 2017

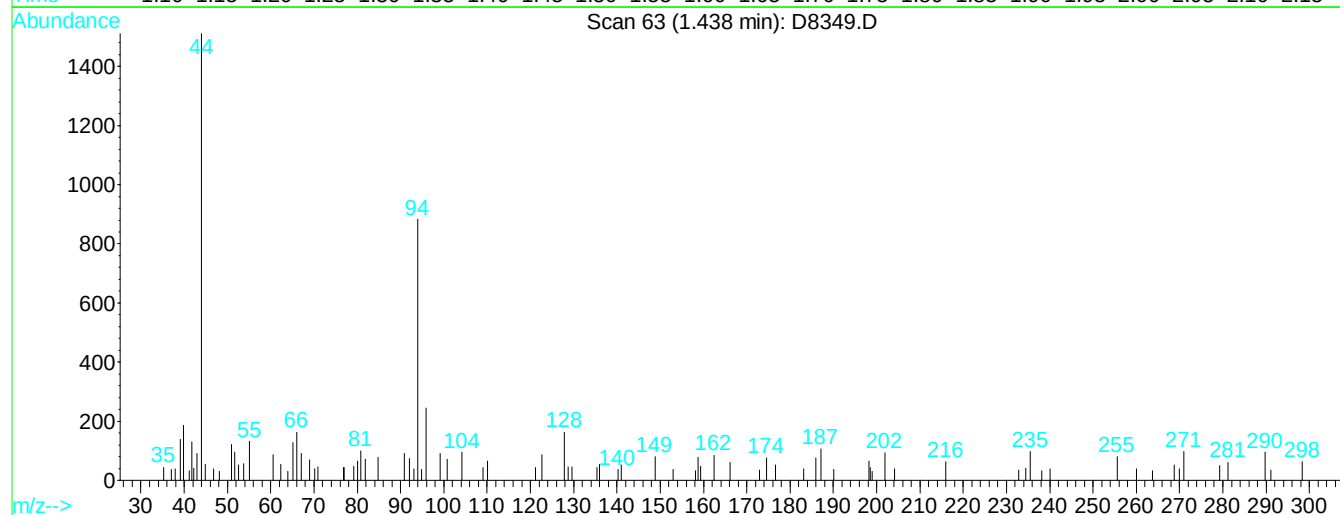
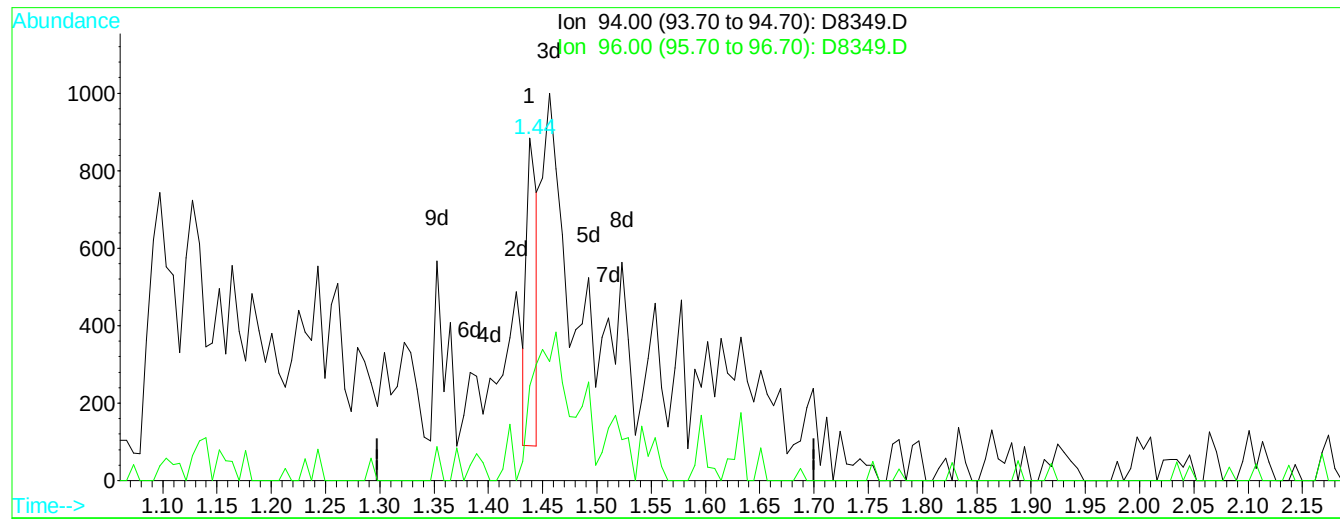
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8349.D

(5) Bromomethane (P)

Manual Integration:

1.44min 0.26ug/L

Before

response 527

Ion	Exp%	Act%

09/24/17

94.00	100	100

96.00	93.70	27.75#

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8349.D

Vial: 10

Acq On : 21 Sep 2017 11:48 am

Operator: D.Lipani

Sample : R1708700-001|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 10:47 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	276266	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	378931	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	181009	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	195649	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.87	113	138585	50.99	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.98%
43) surr1,1,2-dichloroethane-d	4.47	65	142769	48.50	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	97.00%
65) SURR3,Toluene-d8	7.89	98	422046	55.00	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.00%
86) SURR2,BFB	10.25	95	165408	48.79	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	97.58%

Target Compounds

					Qvalue
5) Bromomethane	1.46	94	1520m	0.75 ug/L	
13) 2-Propanol	1.85	45	536	5.18 ug/L	# 1
14) Acetone	1.88	43	464	0.90 ug/L	# 83
105) 1,2,4-Tcbenzene	13.01	180	729	0.21 ug/L	# 79

Quantitation Report

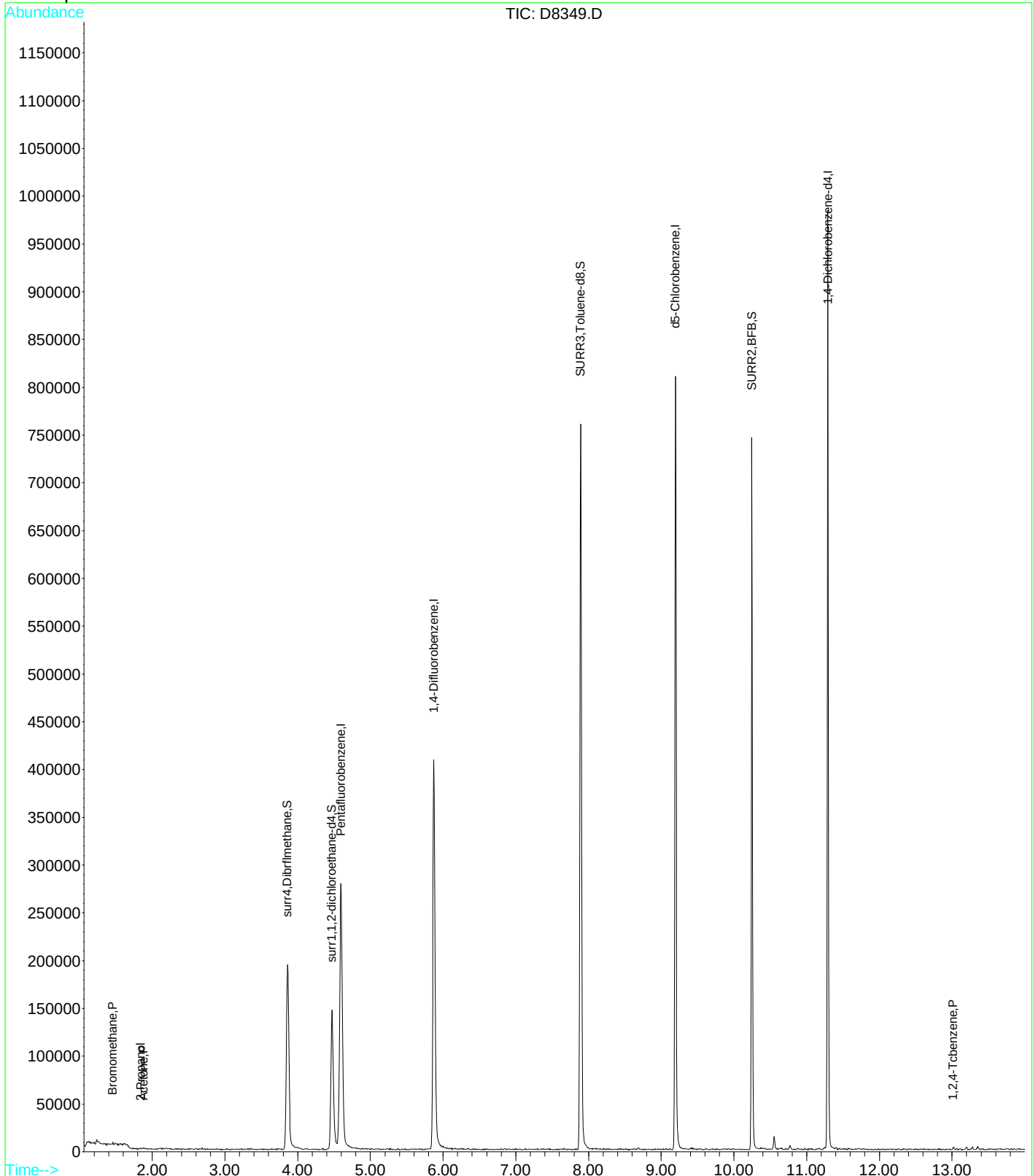
1st *DL* 09/24/17
2nd *BA* 09/25/17

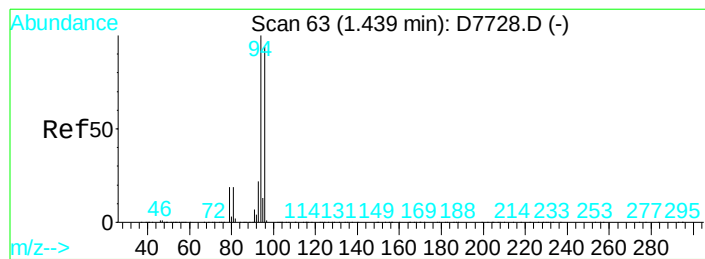
Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8349.D
Acq On : 21 Sep 2017 11:48 am
Sample : R1708700-001|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 10:47 2017

Vial: 10
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

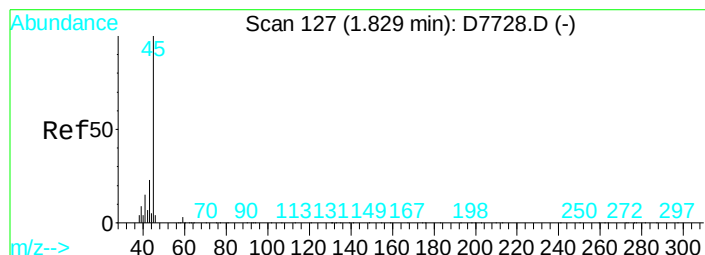
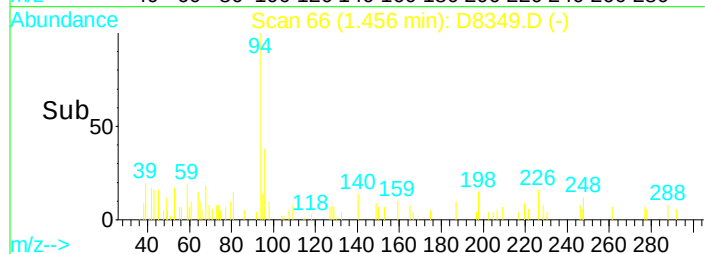
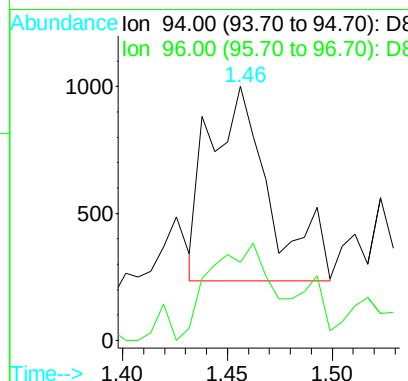
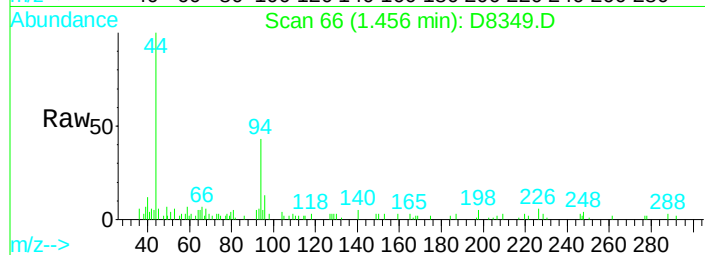
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





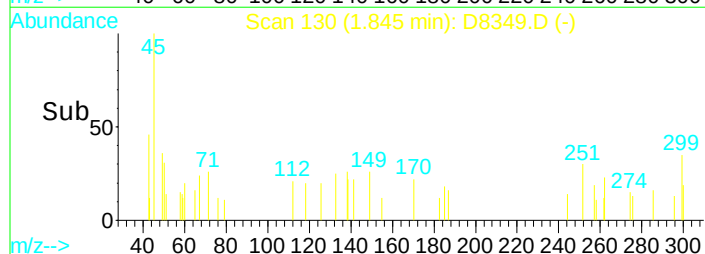
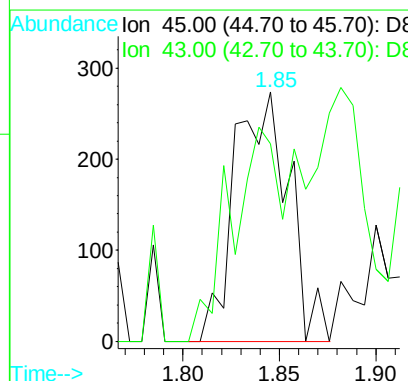
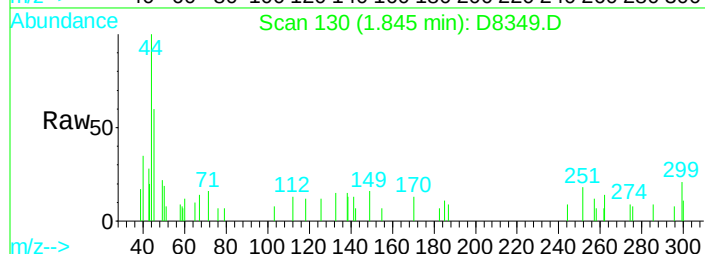
#5
Bromomethane
Concen: 0.75 ug/L m
RT: 1.46 min Scan# 66
Delta R.T. 0.02 min
Lab File: D8349.D
Acq: 21 Sep 2017 11:48 am

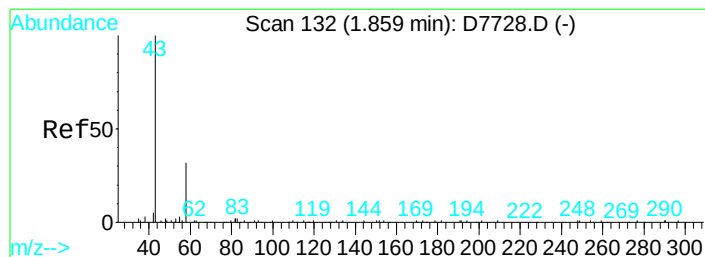
Tgt Ion: 94 Resp: 1520
Ion Ratio Lower Upper
94 100
96 30.8 73.7 113.7#



#13
2-Propanol
Concen: 5.18 ug/L
RT: 1.85 min Scan# 130
Delta R.T. 0.02 min
Lab File: D8349.D
Acq: 21 Sep 2017 11:48 am

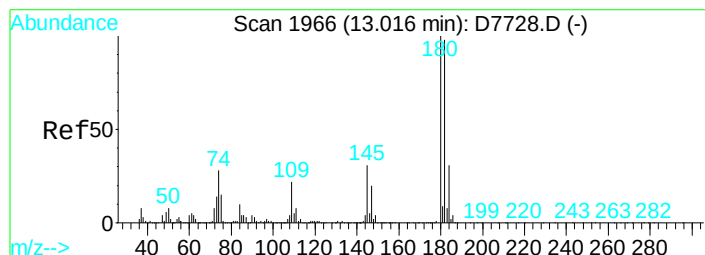
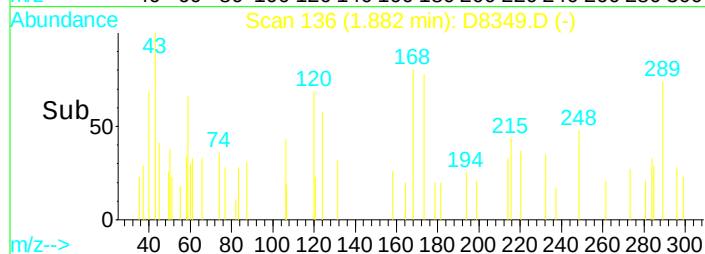
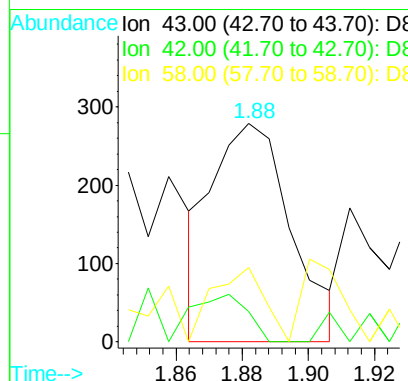
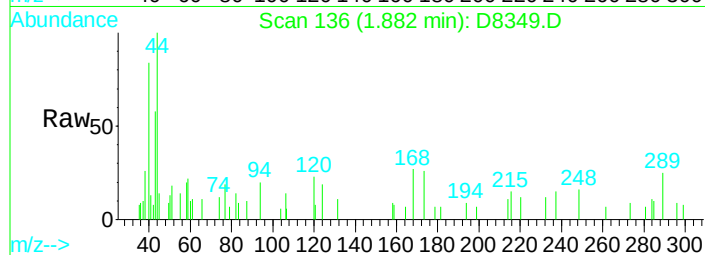
Tgt Ion: 45 Resp: 536
Ion Ratio Lower Upper
45 100
43 79.2 3.5 43.5#





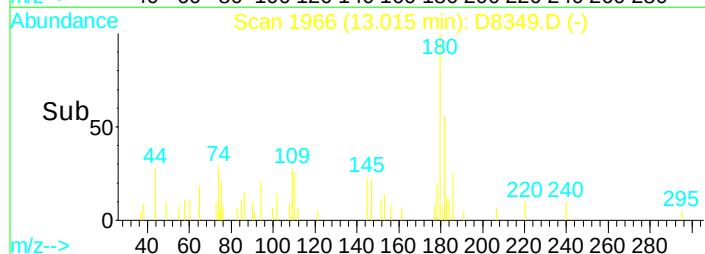
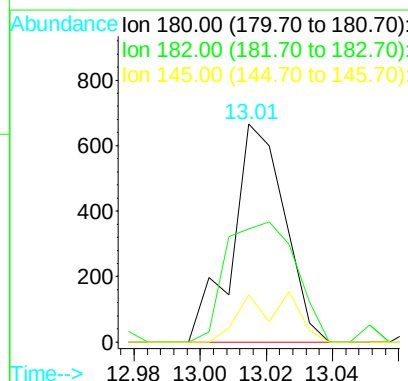
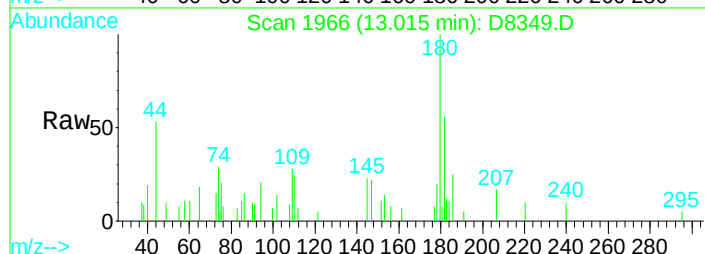
#14
Acetone
Concen: 0.90 ug/L
RT: 1.88 min Scan# 136
Delta R.T. 0.02 min
Lab File: D8349.D
Acq: 21 Sep 2017 11:48 am

Tgt Ion:	43	Resp:	464
Ion Ratio	Lower	Upper	
43	100		
42	14.0	0.0	31.4
58	34.1	3.1	43.1



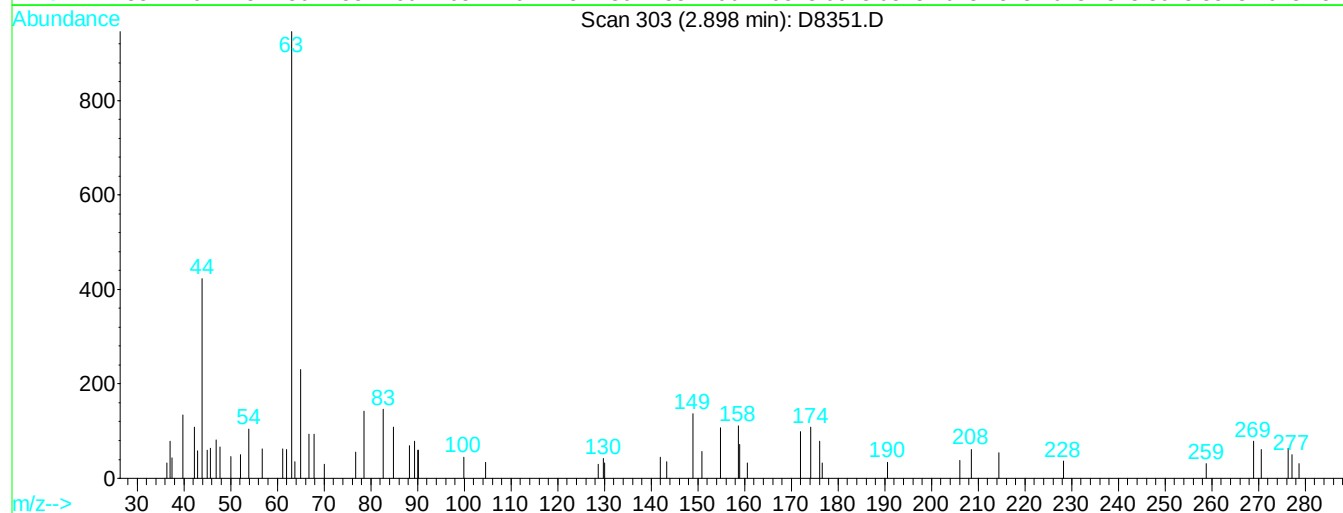
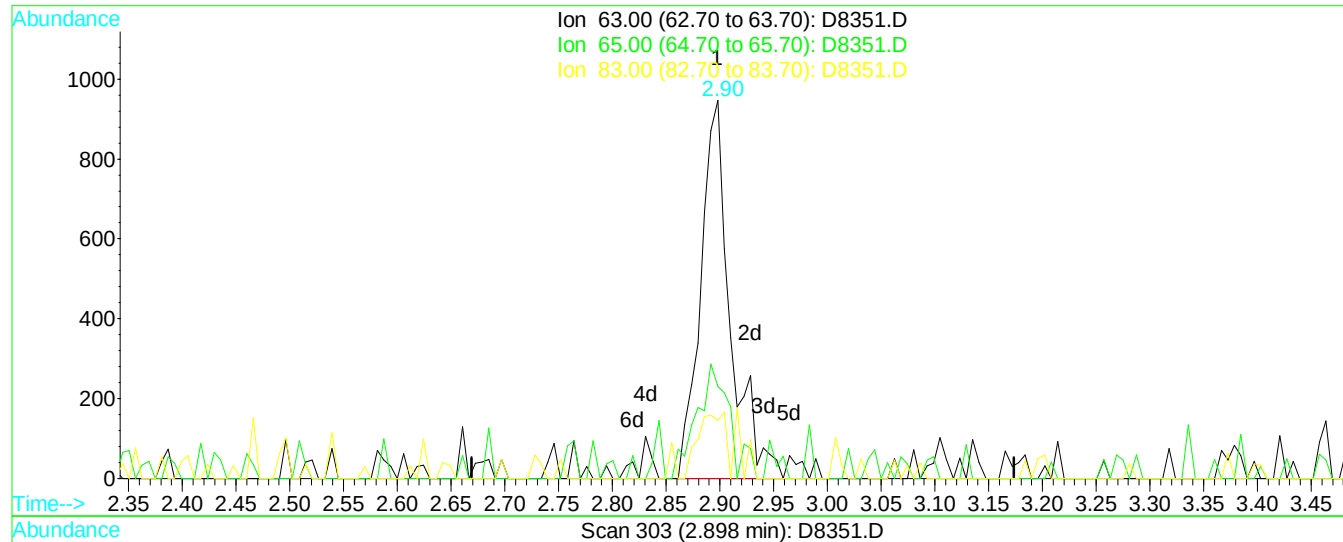
#105
1,2,4-Tribenzene
Concen: 0.21 ug/L
RT: 13.01 min Scan# 1966
Delta R.T. -0.00 min
Lab File: D8349.D
Acq: 21 Sep 2017 11:48 am

Tgt Ion:	180	Resp:	729
Ion Ratio	Lower	Upper	
180	100		
182	74.3	77.3	117.3#
145	21.9	9.5	49.5



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8351.D Vial: 12
Acq On : 21 Sep 2017 12:40 pm Operator: D.Lipani
Sample : R1708700-002|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 10:54 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8351.D

(27) 1,1-Dicethane (P)

Manual Integration:

2.90min 0.59ug/L m

After

response 1819

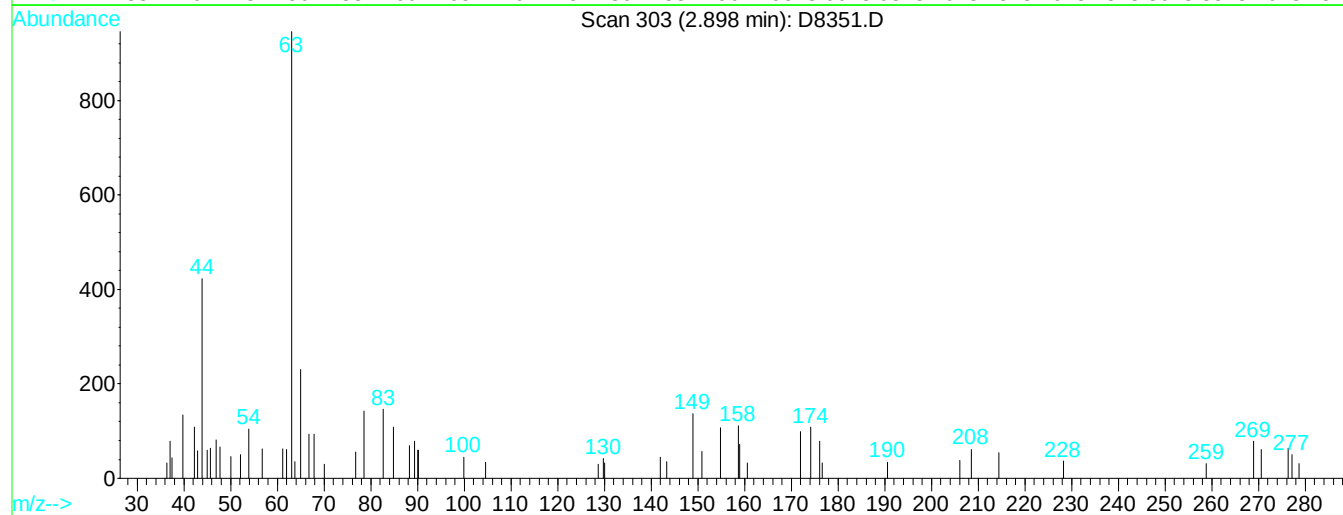
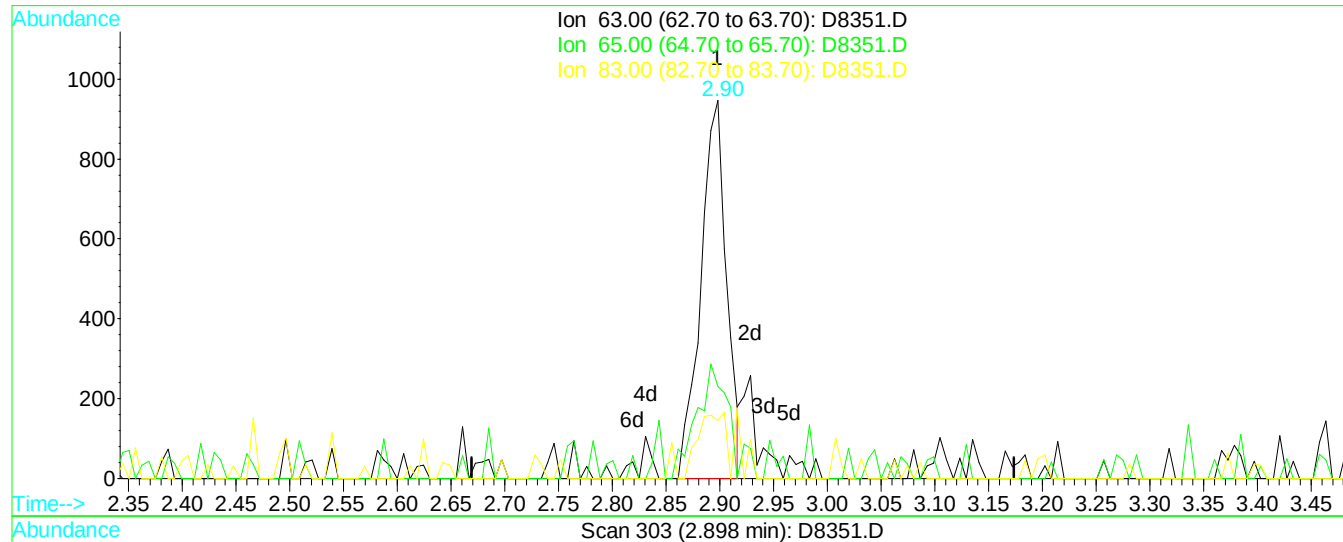
Split Peak.

Ion	Exp%	Act%
63.00	100	100
65.00	31.90	24.31
83.00	16.00	15.43
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8351.D Vial: 12
Acq On : 21 Sep 2017 12:40 pm Operator: D.Lipani
Sample : R1708700-002|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 10:53 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8351.D

(27) 1,1-Dicethane (P)

Manual Integration:

2.90min 0.51ug/L

Before

response 1570

Ion	Exp%	Act%
63.00	100	100
65.00	31.90	24.31
83.00	16.00	15.43
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8351.D

Vial: 12

Acq On : 21 Sep 2017 12:40 pm

Operator: D.Lipani

Sample : R1708700-002|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 10:55 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	276771	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	369242	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	176556	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	192527	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	135041	50.99	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.98%
43) surr1,1,2-dichloroethane-d	4.47	65	138701	48.35	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	96.70%
65) SURR3,Toluene-d8	7.89	98	410266	54.87	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	109.74%
86) SURR2,BFB	10.25	95	166283	50.28	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	100.56%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.45	94	476	0.23	ug/L	# 61
13) 2-Propanol	1.83	45	1887	18.22	ug/L	83
14) Acetone	1.86	43	538	1.04	ug/L	86
27) 1,1-Dicethane	2.90	63	1819m	0.59	ug/L	
39) 1,1,1-Trichloroethane	4.72	97	1929	0.54	ug/L	90

Quantitation Report

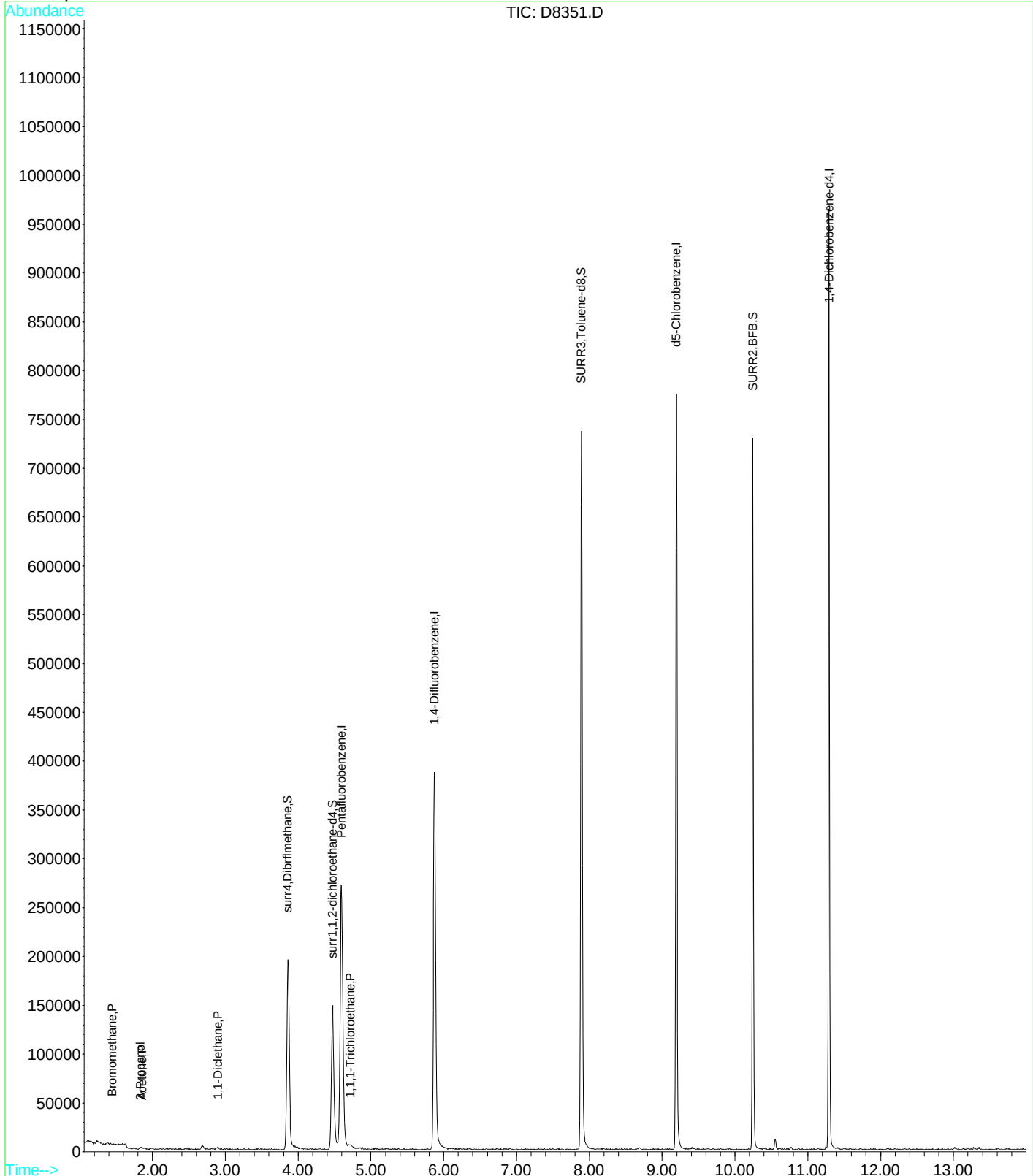
1st DL 09/24/17
2nd BA 09/25/17

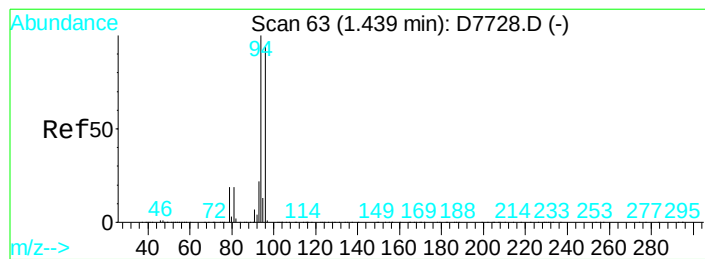
Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8351.D
Acq On : 21 Sep 2017 12:40 pm
Sample : R1708700-002|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 10:55 2017

Vial: 12
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

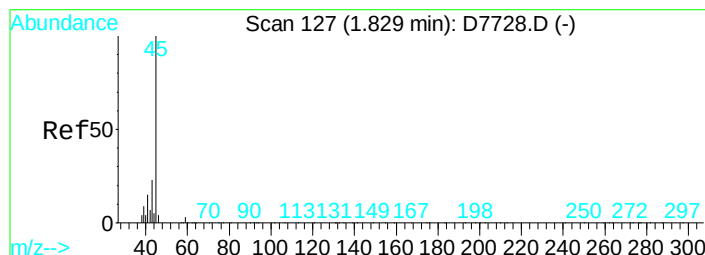
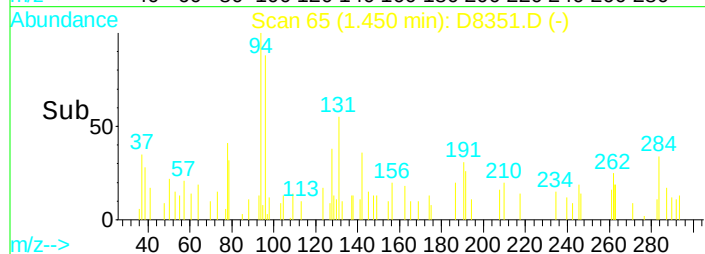
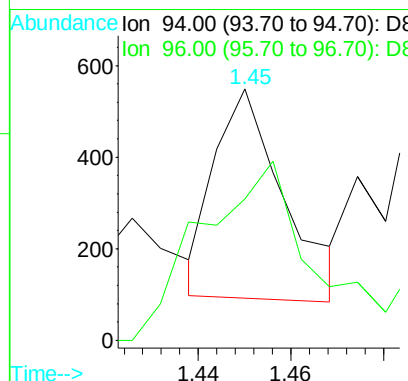
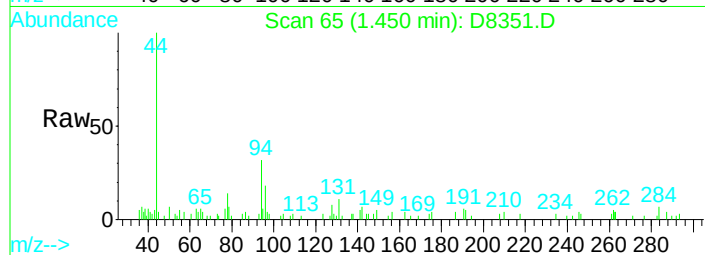
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





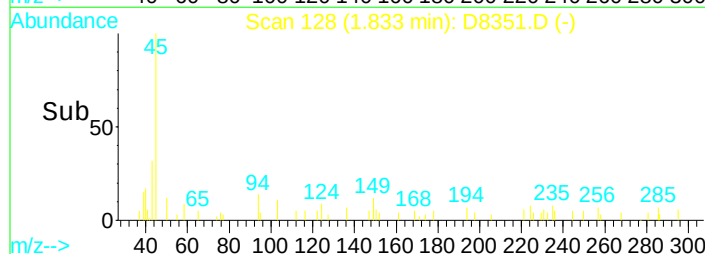
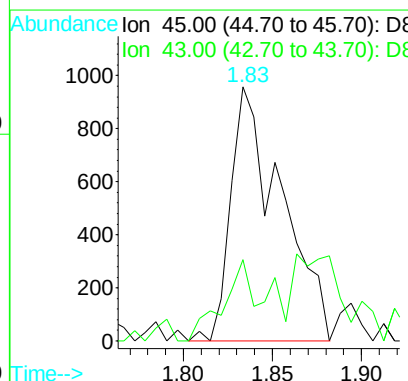
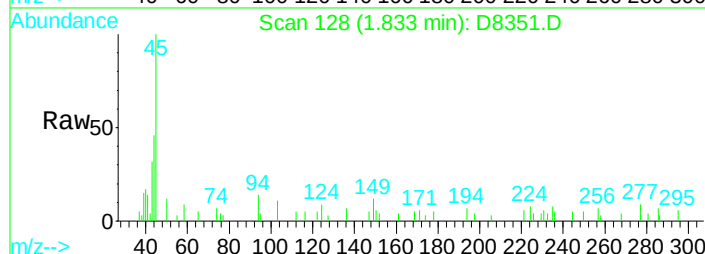
#5
Bromomethane
Concen: 0.23 ug/L
RT: 1.45 min Scan# 65
Delta R.T. 0.01 min
Lab File: D8351.D
Acq: 21 Sep 2017 12:40 pm

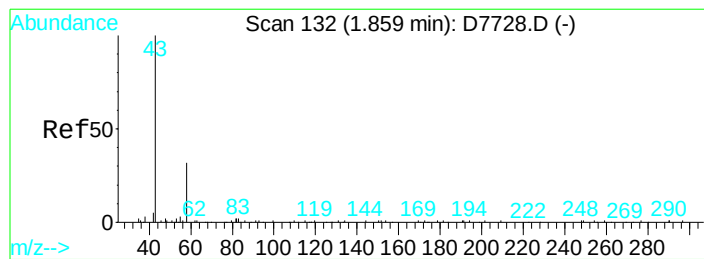
Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 56.1 73.7 113.7#



#13
2-Propanol
Concen: 18.22 ug/L
RT: 1.83 min Scan# 128
Delta R.T. 0.00 min
Lab File: D8351.D
Acq: 21 Sep 2017 12:40 pm

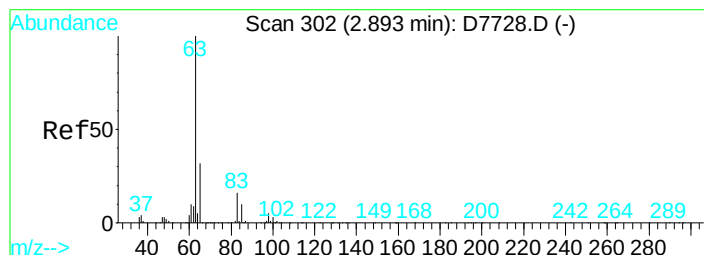
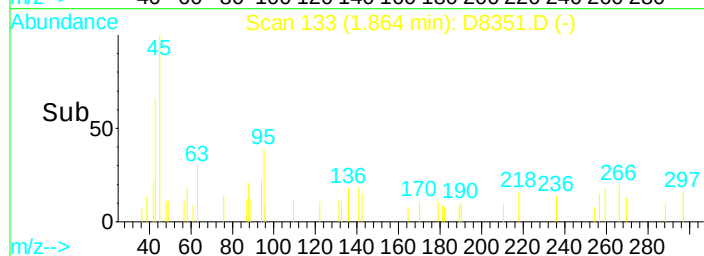
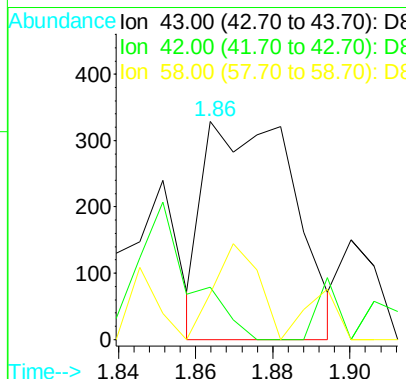
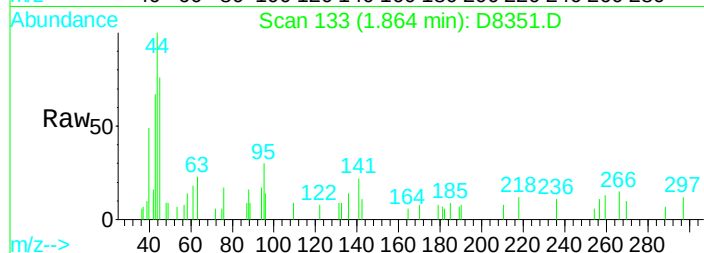
Tgt Ion: 45 Resp: 1887
Ion Ratio Lower Upper
45 100
43 32.0 3.5 43.5





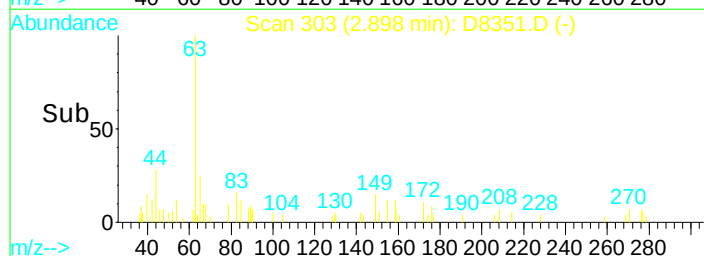
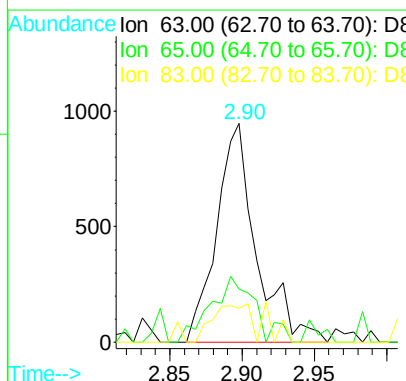
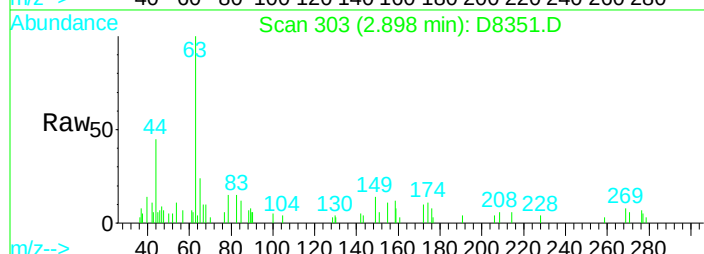
#14
Acetone
Concen: 1.04 ug/L
RT: 1.86 min Scan# 133
Delta R.T. 0.00 min
Lab File: D8351.D
Acq: 21 Sep 2017 12:40 pm

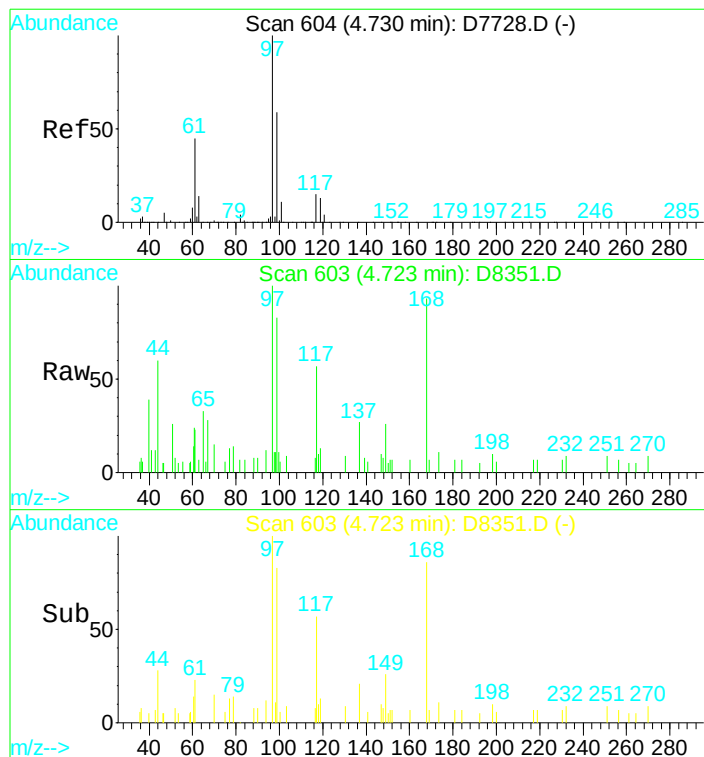
Tgt Ion:	43	Resp:	538
Ion Ratio	Lower	Upper	
43	100		
42	24.0	0.0	31.4
58	21.0	3.1	43.1



#27
1,1-Dicethane
Concen: 0.59 ug/L m
RT: 2.90 min Scan# 303
Delta R.T. 0.00 min
Lab File: D8351.D
Acq: 21 Sep 2017 12:40 pm

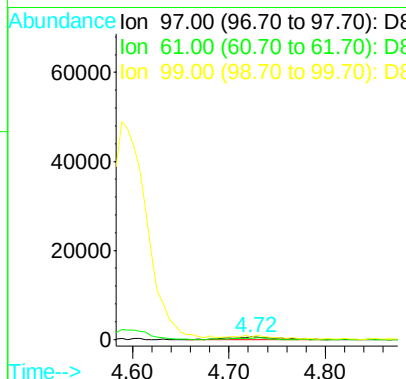
Tgt Ion:	63	Resp:	1819
Ion Ratio	Lower	Upper	
63	100		
65	24.3	11.9	51.9
83	15.4	0.0	36.0





#39
 1,1,1-Trichloroethane
 Concen: 0.54 ug/L
 RT: 4.72 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: D8351.D
 Acq: 21 Sep 2017 12:40 pm

Tgt Ion:	97	Resp:	1929
Ion	Ratio	Lower	Upper
97	100		
61	43.3	26.0	66.0
99	75.3	44.3	84.3



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8354.D

Vial: 15

Acq On : 21 Sep 2017 1:58 pm

Operator: D.Lipani

Sample : R1708700-004|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 11:11 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	287220	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	389280	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	181050	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	194310	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	142900	51.18	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	102.36%
43) surr1,1,2-dichloroethane-d	4.47	65	143509	47.46	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	94.92%
65) SURR3,Toluene-d8	7.89	98	433629	55.01	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.02%
86) SURR2,BFB	10.25	95	168837	49.79	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	99.58%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.27	62	1319	0.38	ug/L	71
9) Freon 123a	1.74	67	7198	2.80	ug/L	99
13) 2-Propanol	1.84	45	904	8.41	ug/L	64
14) Acetone	1.88	43	569	1.06	ug/L	73
16) 1,1-Dicethene	2.09	96	447	0.23	ug/L #	81
21) Freon 113	2.24	101	11634	5.15	ug/L	96
27) 1,1-Dicethane	2.89	63	2597	0.81	ug/L	93
33) cis-1,2-Dichloroethene	3.47	96	11368	5.05	ug/L	89
39) 1,1,1-Trichloroethane	4.72	97	8613	2.31	ug/L	91
54) Trichloroethene	6.32	130	52071	20.63	ug/L	99
74) Tetrachloroethene	8.62	164	2851	1.32	ug/L	85

Quantitation Report

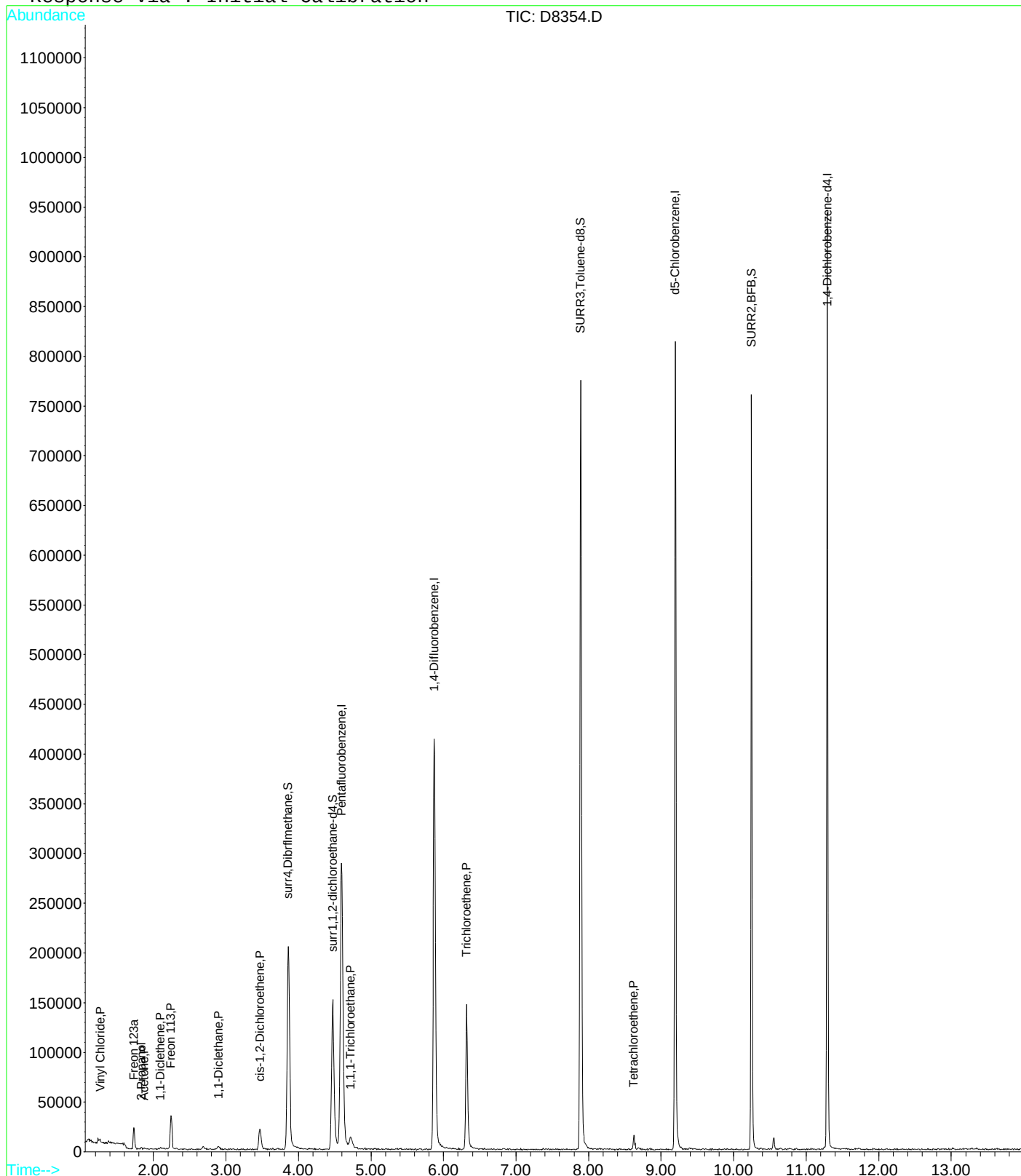
1st *DL* 09/24/17
2nd *BA* 09/25/17

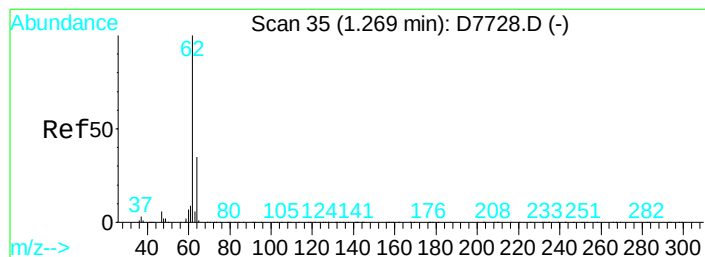
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Acq On : 21 Sep 2017 1:58 pm
Sample : R1708700-004|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 11:11 2017

Vial: 15
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

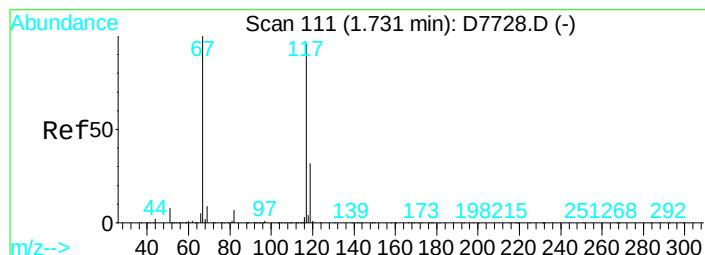
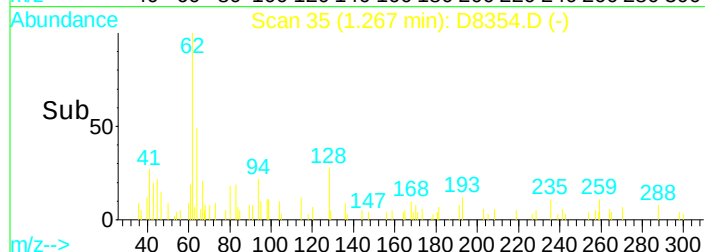
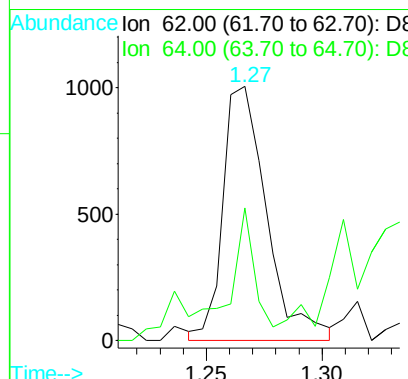
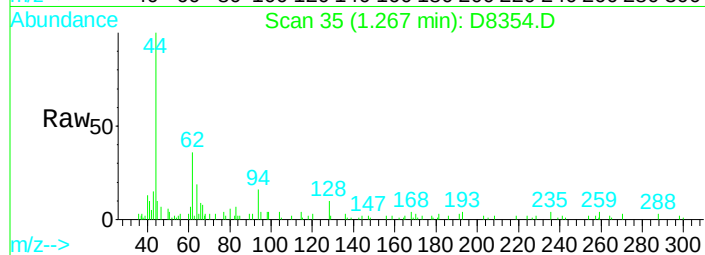
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





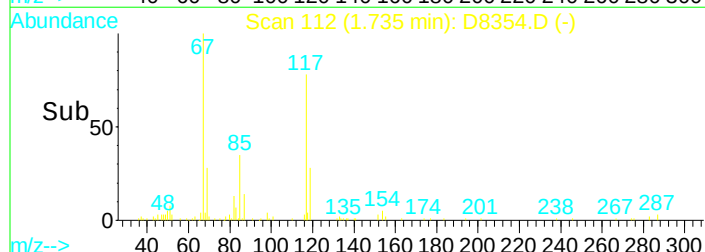
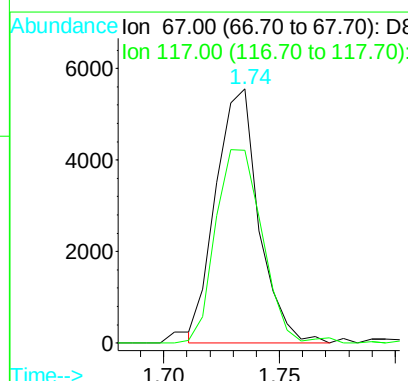
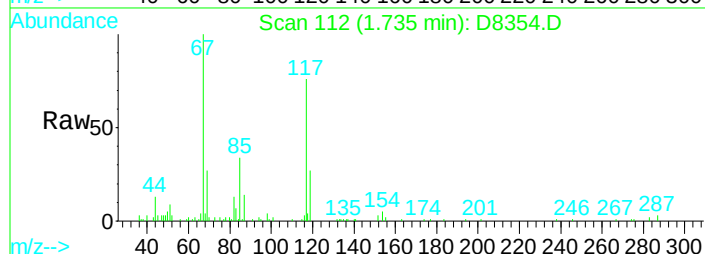
#4
Vinyl Chloride
Concen: 0.38 ug/L
RT: 1.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

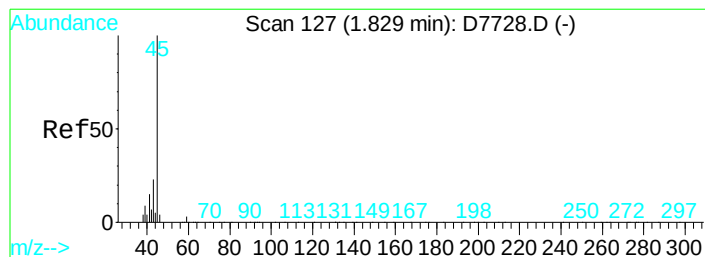
Tgt Ion: 62 Resp: 1319
Ion Ratio Lower Upper
62 100
64 52.1 15.3 55.3



#9
Freon 123a
Concen: 2.80 ug/L
RT: 1.74 min Scan# 112
Delta R.T. 0.00 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

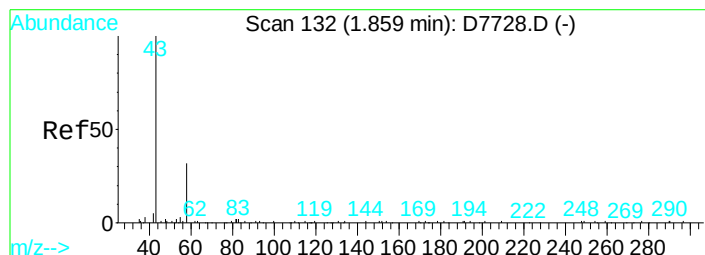
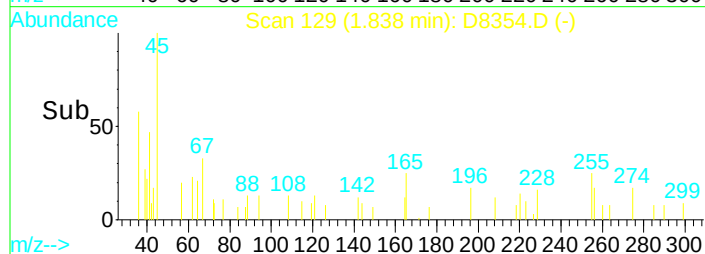
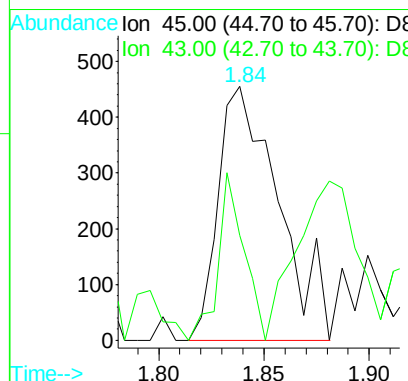
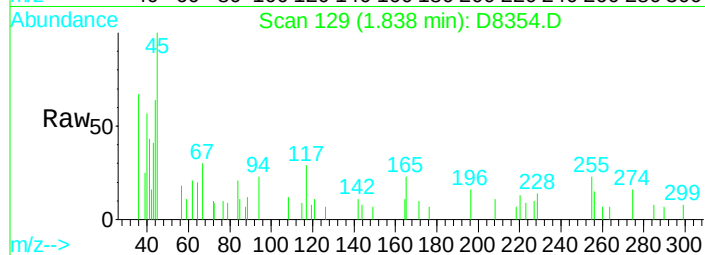
Tgt Ion: 67 Resp: 7198
Ion Ratio Lower Upper
67 100
117 79.7 61.0 101.0





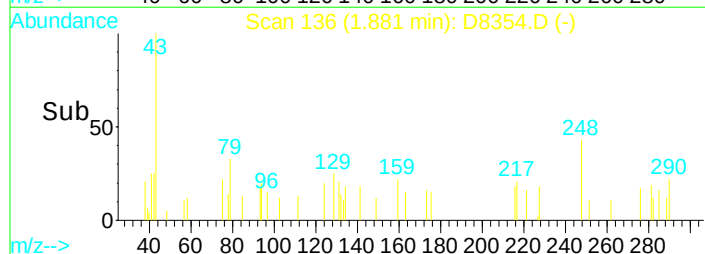
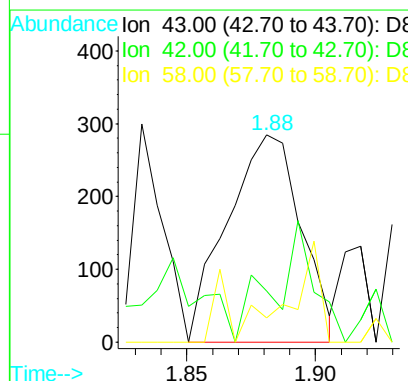
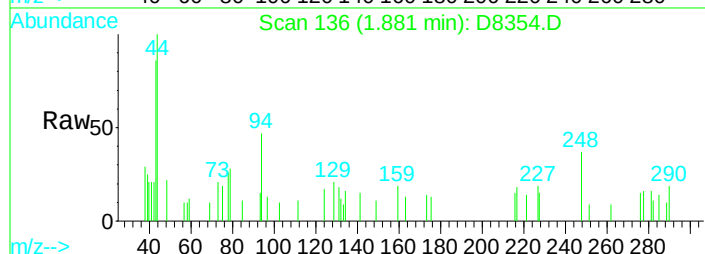
#13
2-Propanol
Concen: 8.41 ug/L
RT: 1.84 min Scan# 129
Delta R.T. 0.01 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

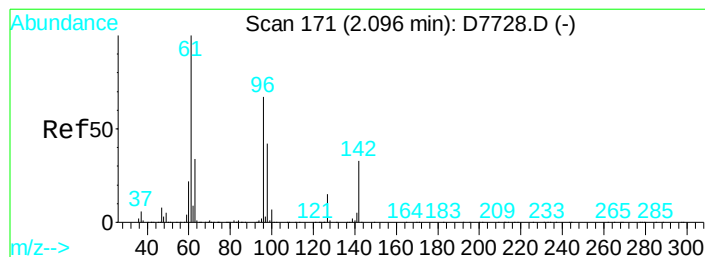
Tgt Ion: 45 Resp: 904
Ion Ratio Lower Upper
45 100
43 41.3 3.5 43.5



#14
Acetone
Concen: 1.06 ug/L
RT: 1.88 min Scan# 136
Delta R.T. 0.02 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

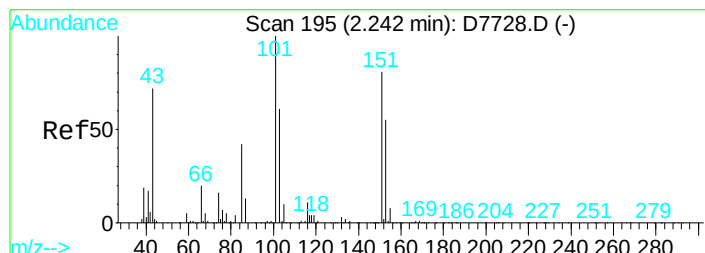
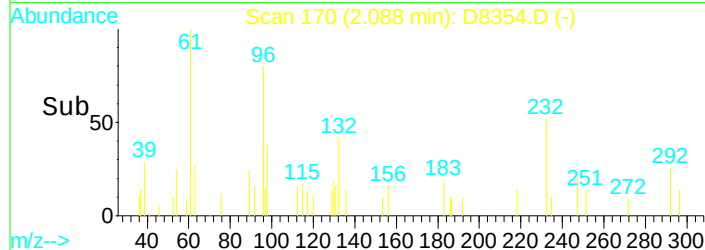
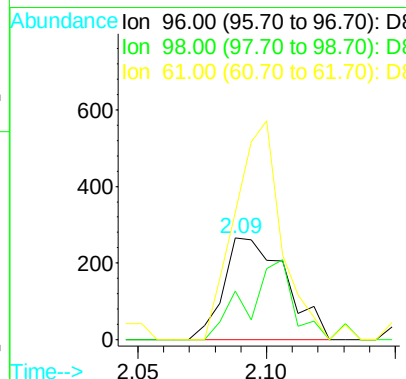
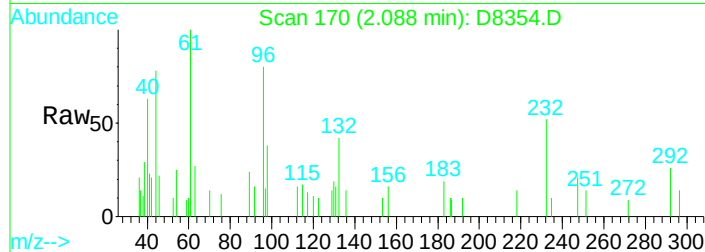
Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
42 24.6 0.0 31.4
58 11.6 3.1 43.1





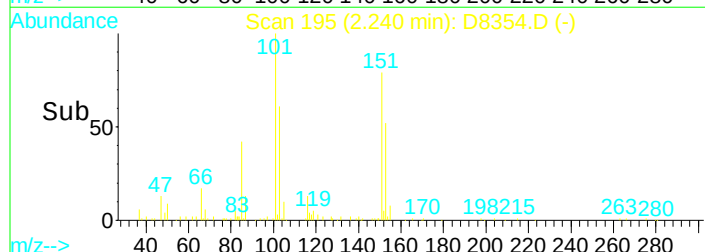
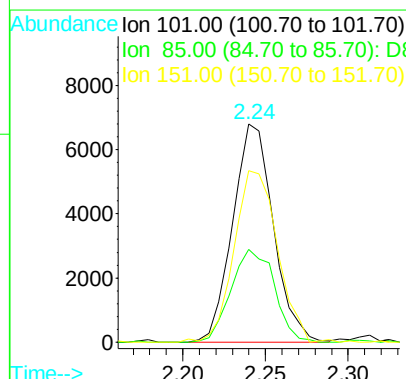
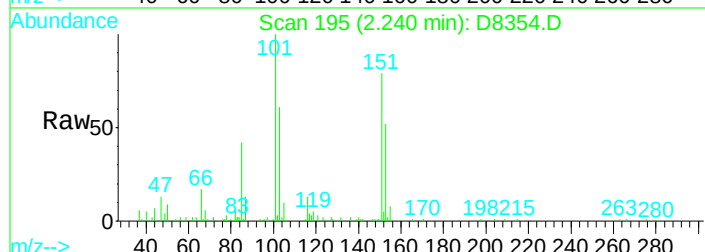
#16
1,1-Dicloroethene
Concen: 0.23 ug/L
RT: 2.09 min Scan# 170
Delta R.T. -0.01 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

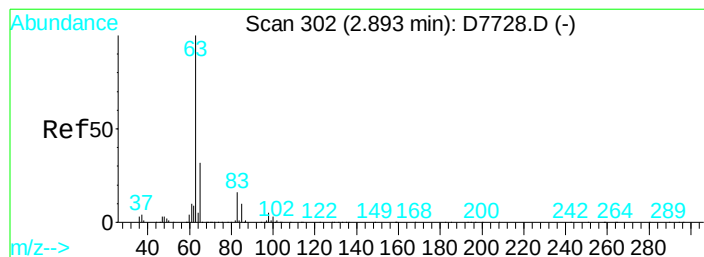
Tgt Ion: 96 Resp: 447
Ion Ratio Lower Upper
96 100
98 47.7 42.6 82.6
61 124.8 129.3 169.3#



#21
Freon 113
Concen: 5.15 ug/L
RT: 2.24 min Scan# 195
Delta R.T. -0.00 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

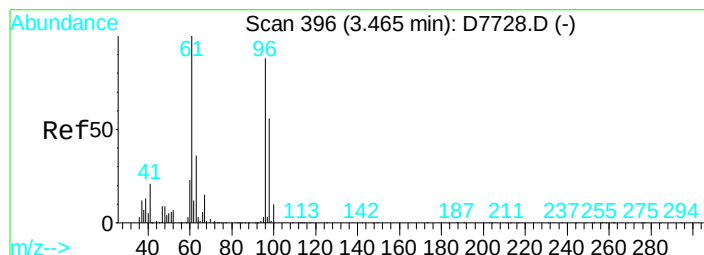
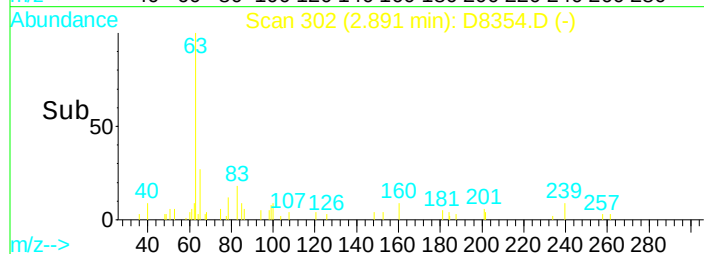
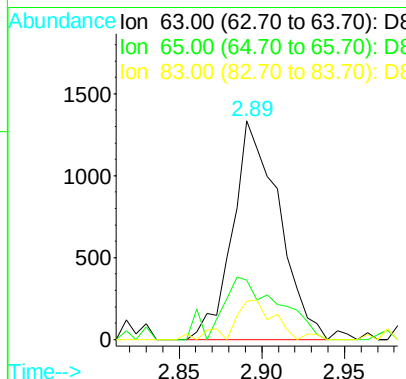
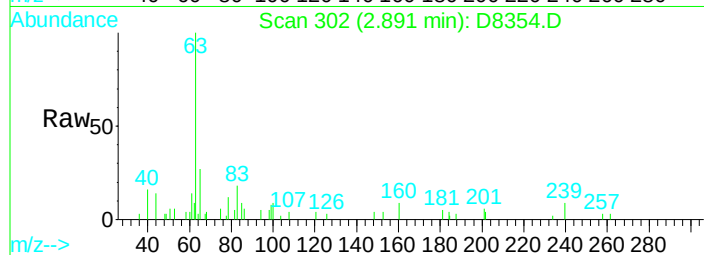
Tgt Ion: 101 Resp: 11634
Ion Ratio Lower Upper
101 100
85 42.4 25.6 65.6
151 78.6 61.0 101.0





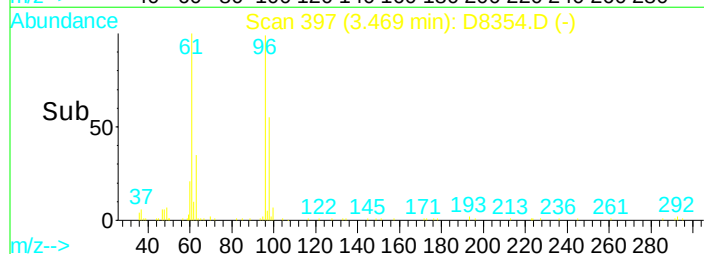
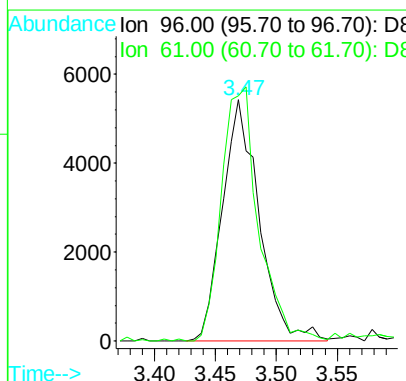
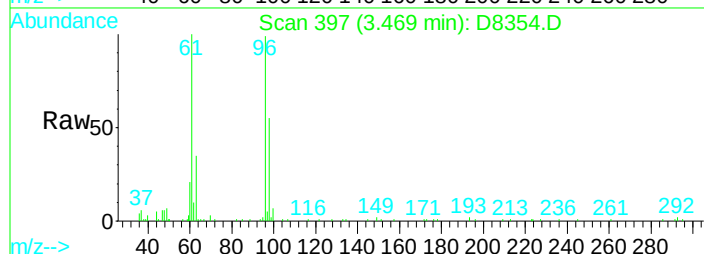
#27
 1,1-Dichloroethane
 Concen: 0.81 ug/L
 RT: 2.89 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: D8354.D
 Acq: 21 Sep 2017 1:58 pm

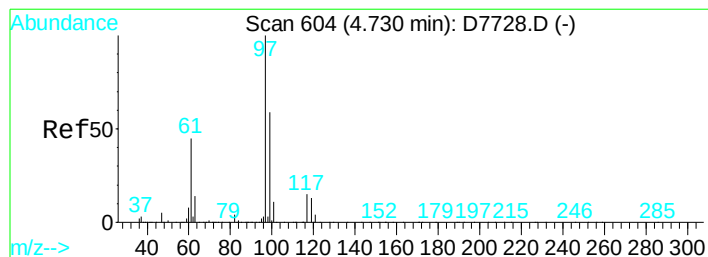
Tgt Ion:	63	Resp:	2597
Ion Ratio	Lower	Upper	
63	100		
65	27.3	11.9	51.9
83	17.6	0.0	36.0



#33
 cis-1,2-Dichloroethene
 Concen: 5.05 ug/L
 RT: 3.47 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: D8354.D
 Acq: 21 Sep 2017 1:58 pm

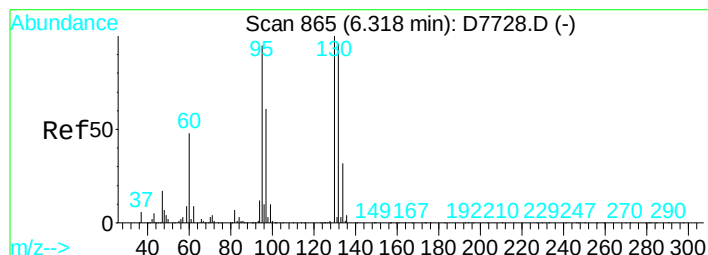
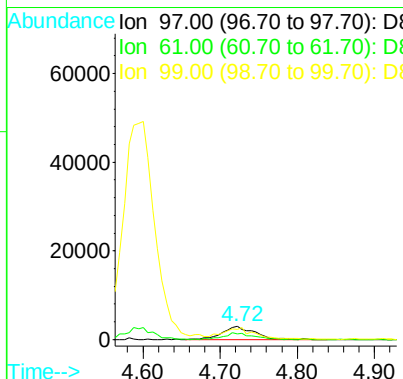
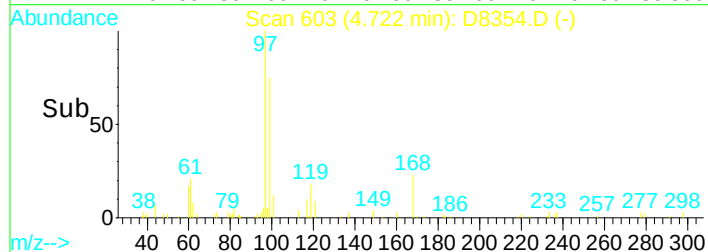
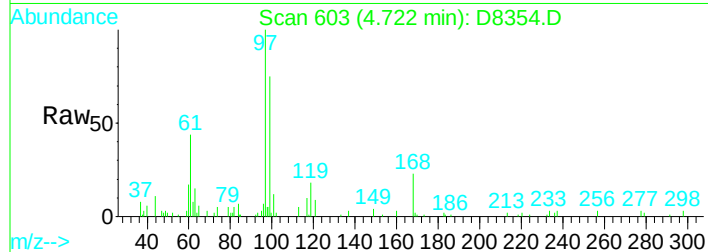
Tgt Ion:	96	Resp:	11368
Ion Ratio	Lower	Upper	
96	100		
61	101.5	93.6	133.6





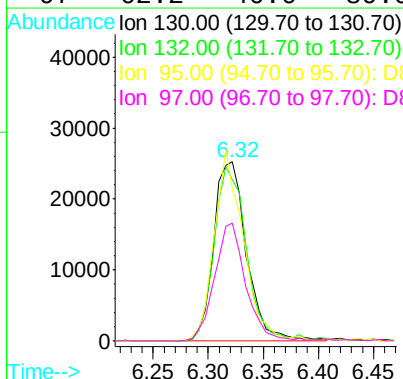
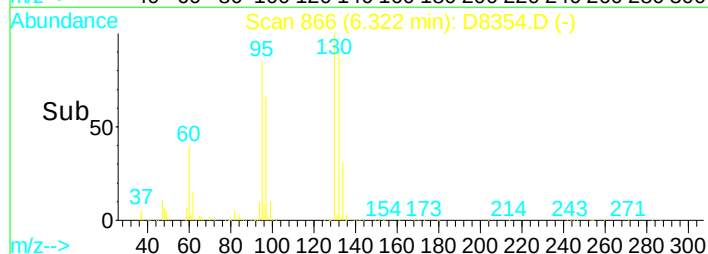
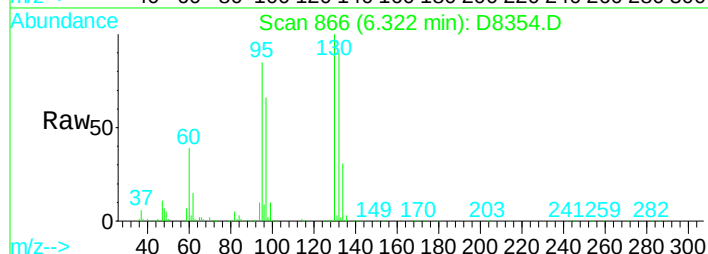
#39
1,1,1-Trichloroethane
Concen: 2.31 ug/L
RT: 4.72 min Scan# 603
Delta R.T. -0.01 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

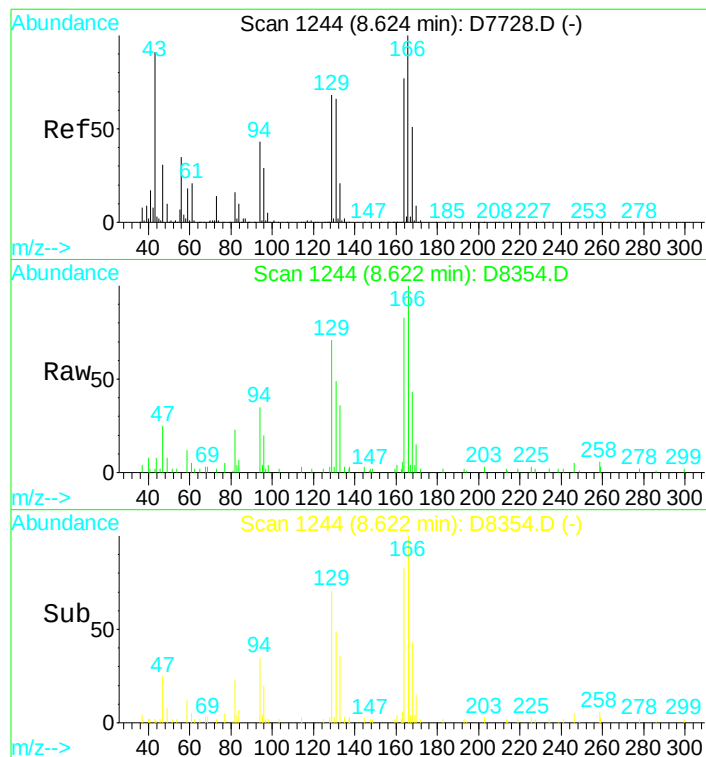
Tgt Ion	Ratio	Lower	Upper
97	100		
61	41.8	26.0	66.0
99	72.8	44.3	84.3



#54
Trichloroethene
Concen: 20.63 ug/L
RT: 6.32 min Scan# 866
Delta R.T. 0.00 min
Lab File: D8354.D
Acq: 21 Sep 2017 1:58 pm

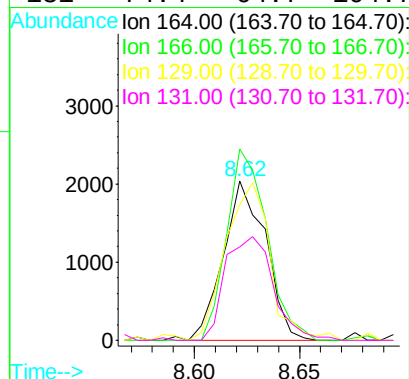
Tgt Ion	Ratio	Lower	Upper
130	100		
132	95.7	75.8	115.8
95	93.6	72.3	112.3
97	62.2	40.0	80.0





#74
 Tetrachloroethene
 Concen: 1.32 ug/L
 RT: 8.62 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: D8354.D
 Acq: 21 Sep 2017 1:58 pm

Tgt Ion:	164	Resp:	2851
Ion Ratio	Lower	Upper	
164	100		
166	114.6	111.1	151.1
129	104.2	67.3	107.3
131	74.4	64.7	104.7



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8352.D

Vial: 13

Acq On : 21 Sep 2017 1:06 pm

Operator: D.Lipani

Sample : R1708700-005|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 11:06 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	273290	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	368418	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	176494	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	194570	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	136454	51.64	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	103.28%
43) surr1,1,2-dichloroethane-d	4.48	65	142803	49.90	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	99.80%
65) SURR3,Toluene-d8	7.89	98	411393	55.15	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.30%
86) SURR2,BFB	10.25	95	167332	50.62	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	101.24%

Target Compounds

					Qvalue	
5) Bromomethane	1.44	94	806	0.40	ug/L	# 52
13) 2-Propanol	1.83	45	1011	9.88	ug/L	# 91
17) Iodomethane	2.11	142	832	0.27	ug/L	# 67

Quantitation Report

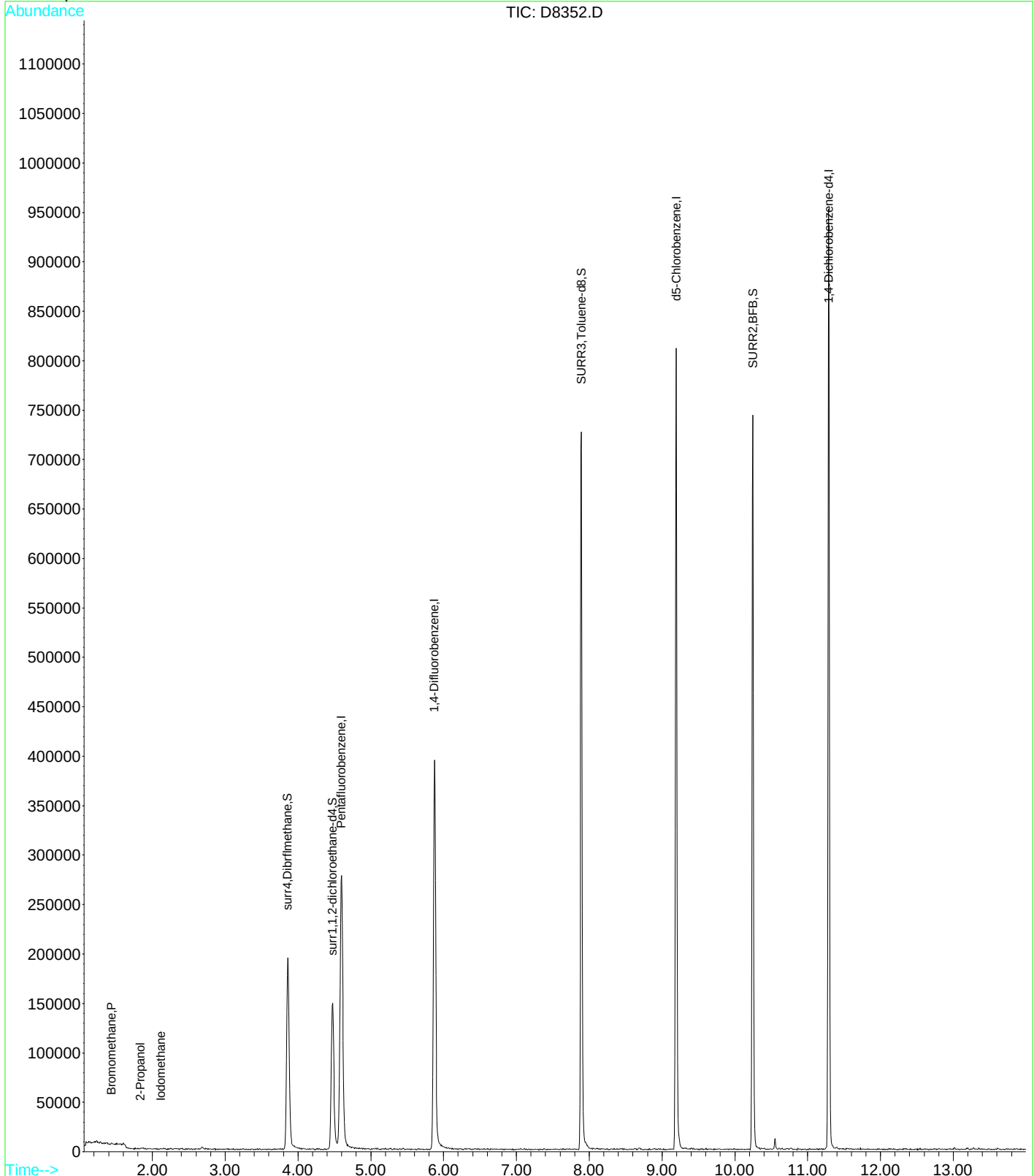
1st *DL* 09/24/17
2nd *BA* 09/25/17

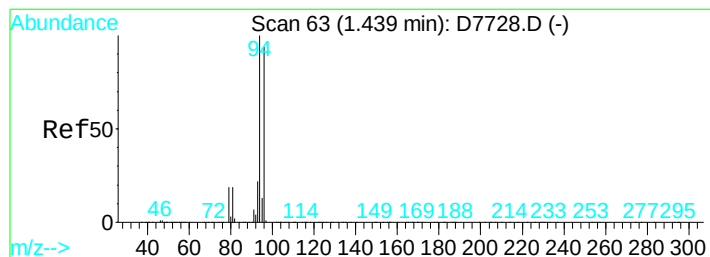
Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8352.D
Acq On : 21 Sep 2017 1:06 pm
Sample : R1708700-005|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 11:06 2017

Vial: 13
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

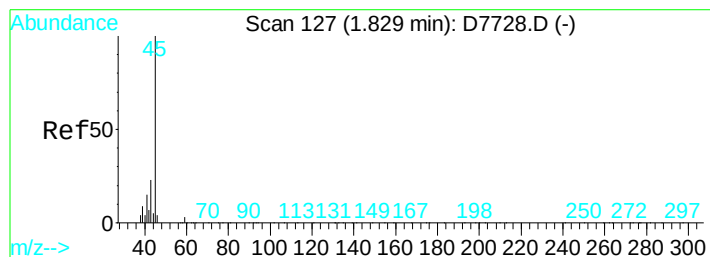
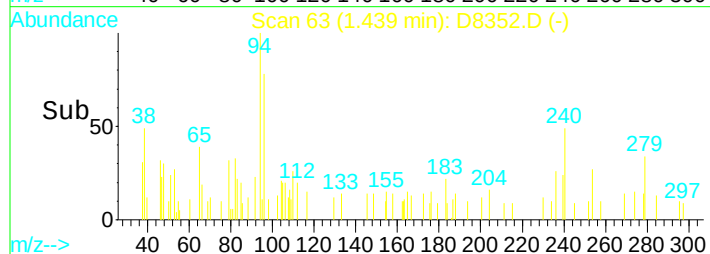
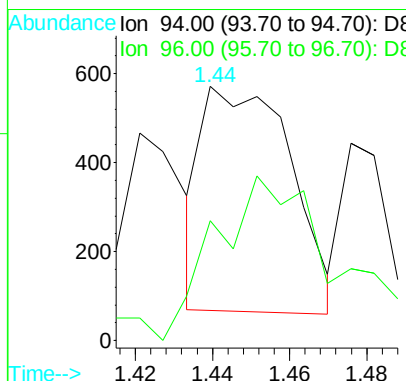
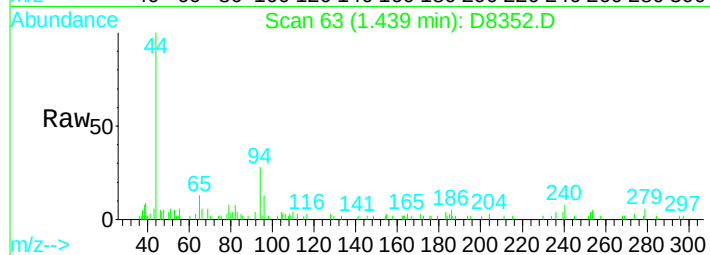
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





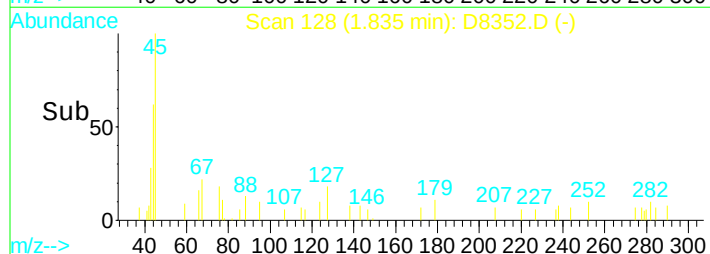
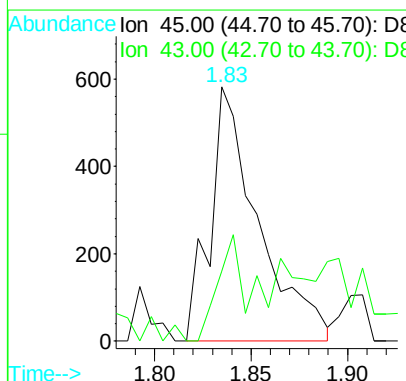
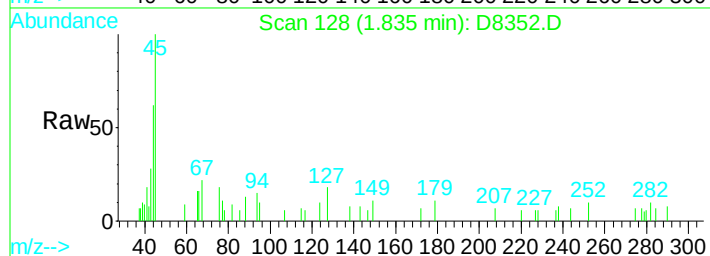
#5
Bromomethane
Concen: 0.40 ug/L
RT: 1.44 min Scan# 63
Delta R.T. 0.00 min
Lab File: D8352.D
Acq: 21 Sep 2017 1:06 pm

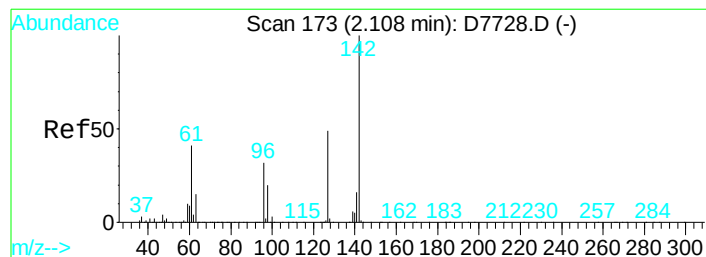
Tgt Ion: 94 Resp: 806
Ion Ratio Lower Upper
94 100
96 47.1 73.7 113.7#



#13
2-Propanol
Concen: 9.88 ug/L
RT: 1.83 min Scan# 128
Delta R.T. 0.01 min
Lab File: D8352.D
Acq: 21 Sep 2017 1:06 pm

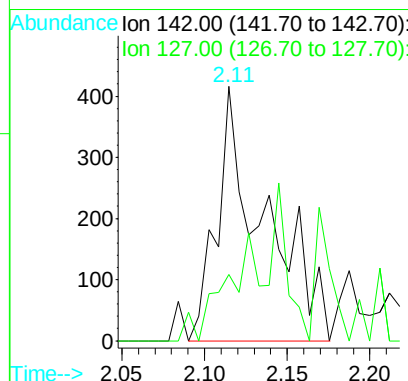
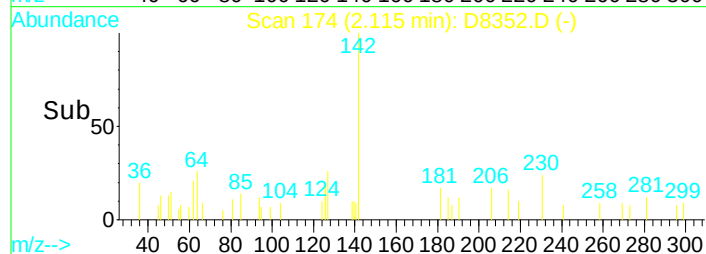
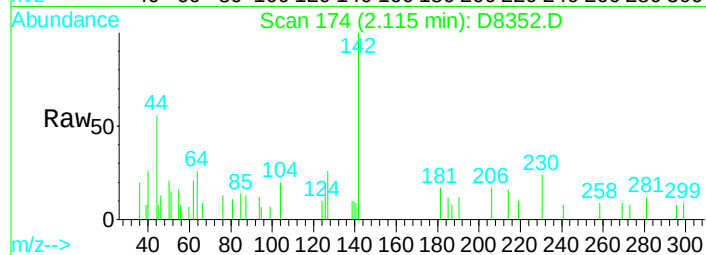
Tgt Ion: 45 Resp: 1011
Ion Ratio Lower Upper
45 100
43 27.7 3.5 43.5





#17
 Iodomethane
 Concen: 0.27 ug/L
 RT: 2.11 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: D8352.D
 Acq: 21 Sep 2017 1:06 pm

Tgt Ion:142 Resp: 832
 Ion Ratio Lower Upper
 142 100
 127 26.0 28.6 68.6#



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8353.D

Vial: 14

Acq On : 21 Sep 2017 1:32 pm

Operator: D.Lipani

Sample : R1708700-007|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 11:07 2017

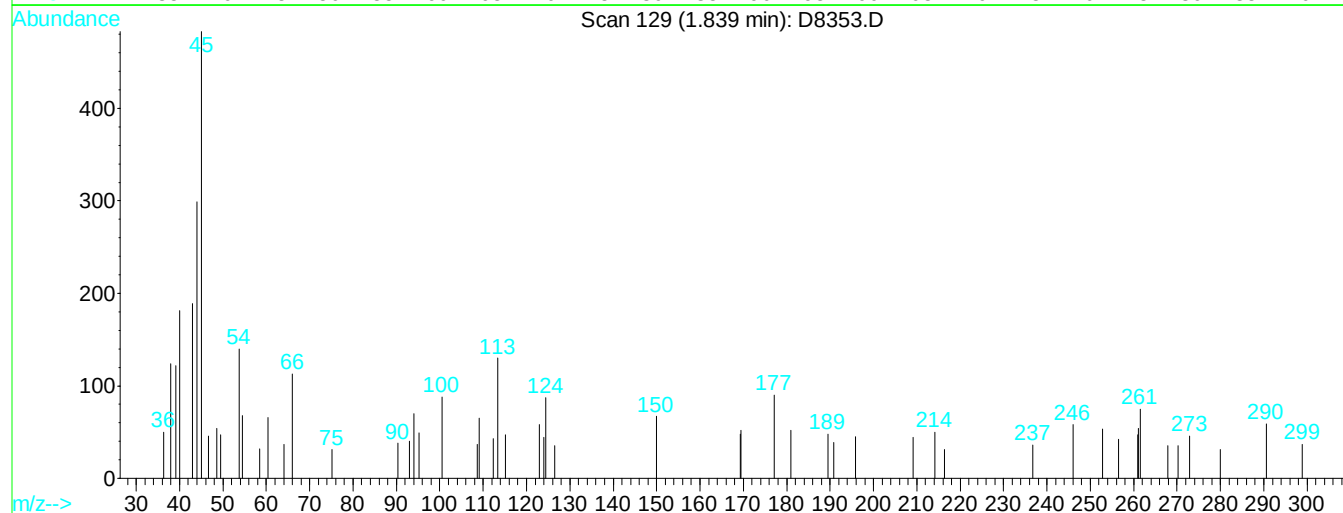
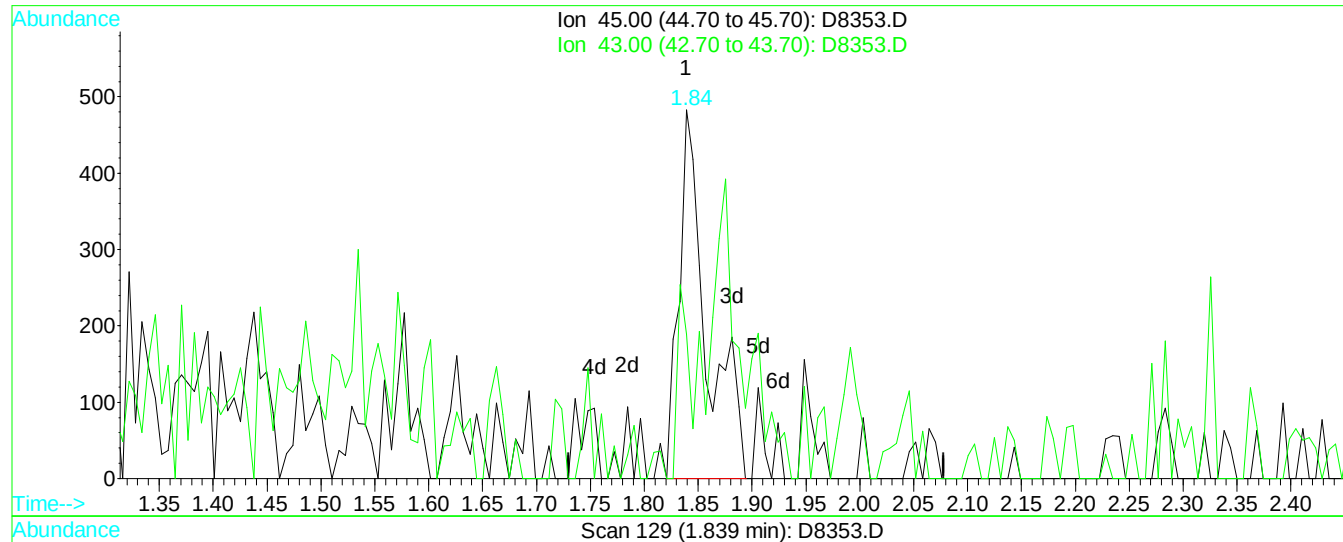
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8353.D

(13) 2-Propanol

Manual Integration:

1.84min 8.36ug/L m

After

response 870

Split Peak.

Ion Exp% Act%

09/24/17

45.00 100 100

43.00 23.50 39.13

0.00 0.00 0.00

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8353.D

Vial: 14

Acq On : 21 Sep 2017 1:32 pm

Operator: D.Lipani

Sample : R1708700-007|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 11:07 2017

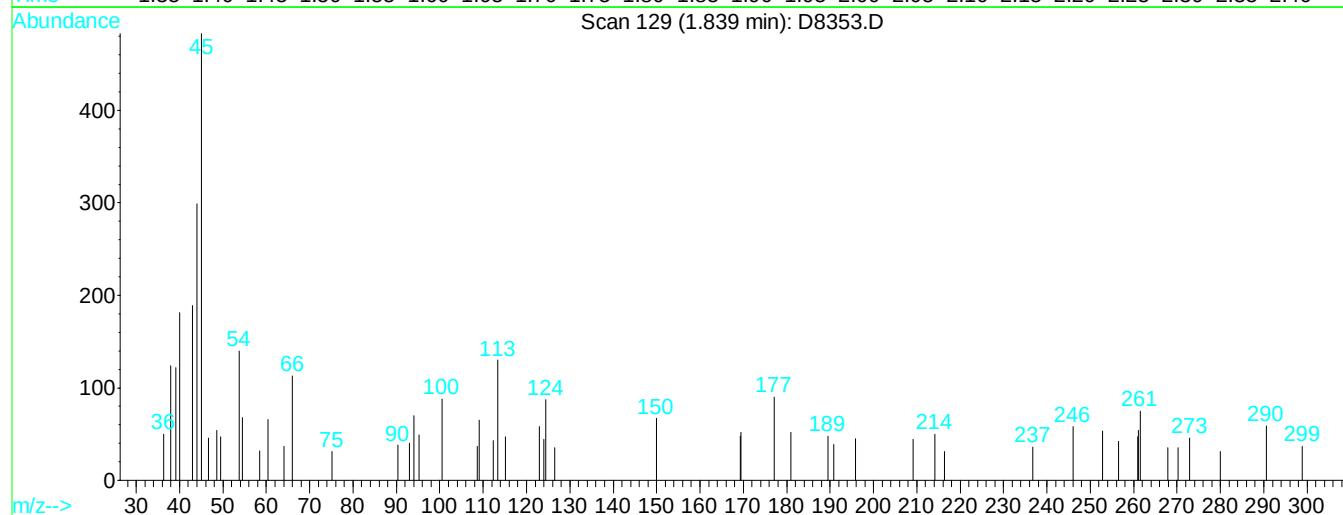
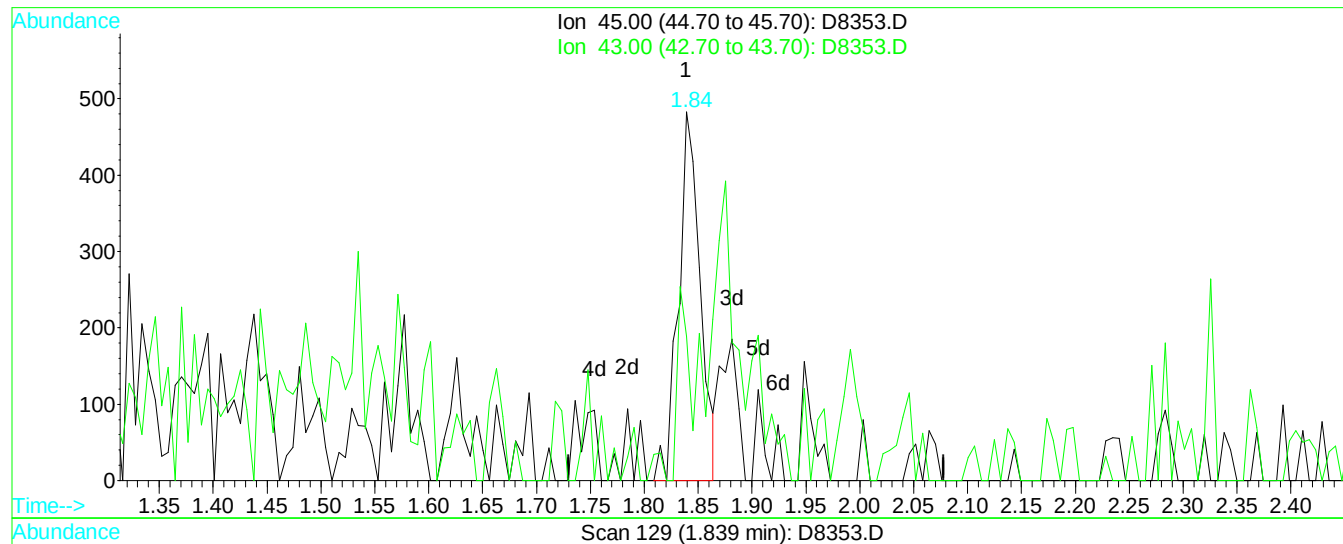
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8353.D

(13) 2-Propanol

Manual Integration:

1.84min 6.53ug/L

Before

response 679

Ion	Exp%	Act%

09/24/17

45.00	100	100

43.00	23.50	39.13

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8353.D

Vial: 14

Acq On : 21 Sep 2017 1:32 pm

Operator: D.Lipani

Sample : R1708700-007|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 11:08 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	278031	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	376228	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	178366	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	194913	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	136552	50.61	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.22%
43) surr1,1,2-dichloroethane-d	4.47	65	144422	49.41	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	98.82%
65) SURR3,Toluene-d8	7.89	98	421976	55.39	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.78%
86) SURR2,BFB	10.25	95	165588	49.57	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	99.14%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
13) 2-Propanol	1.84	45	870m	8.36	ug/L	
14) Acetone	1.88	43	497	0.95	ug/L	72
17) Iodomethane	2.11	142	771	0.25	ug/L	77

Quantitation Report

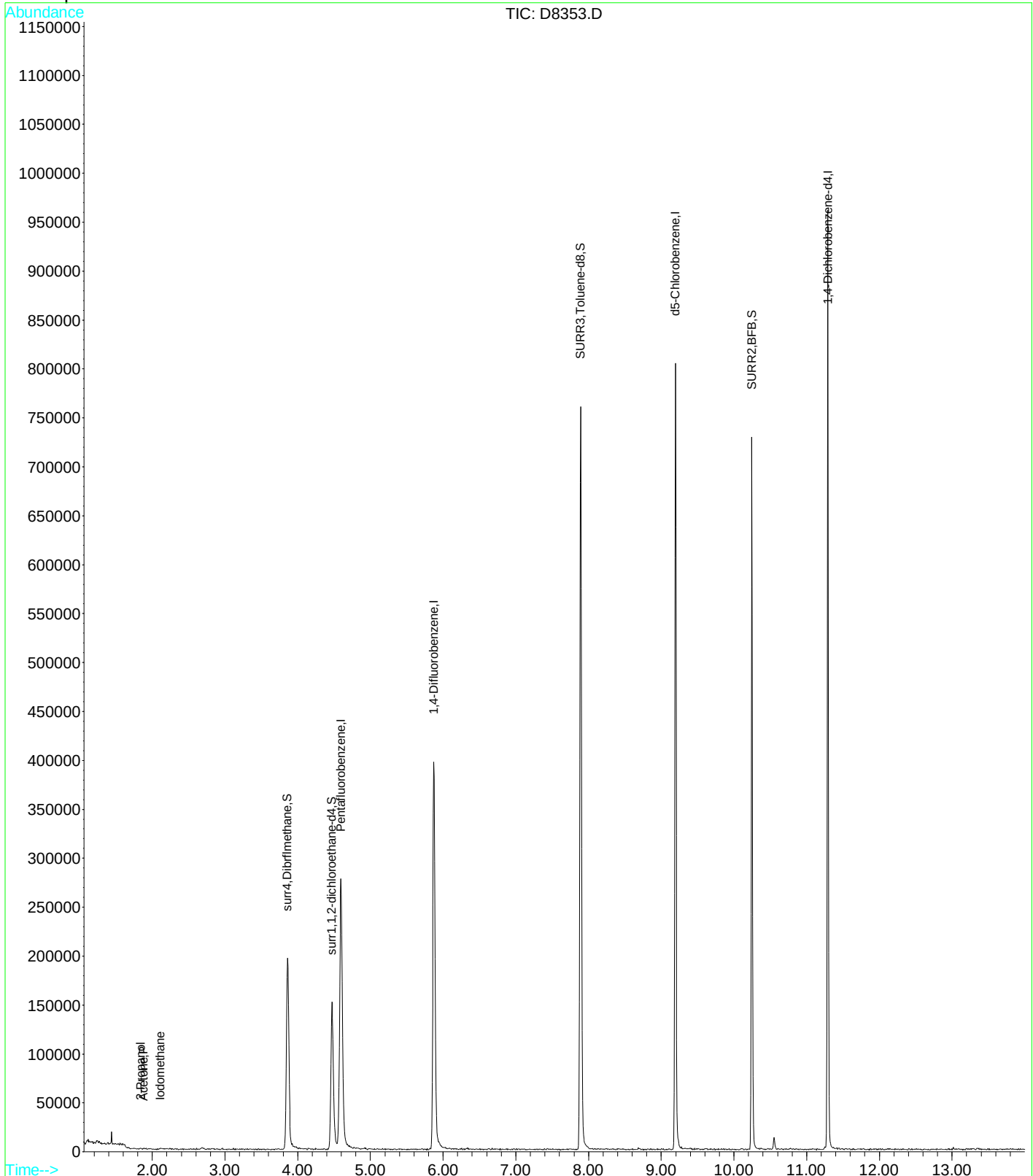
1st *DL* 09/24/17
2nd *BA* 09/25/17

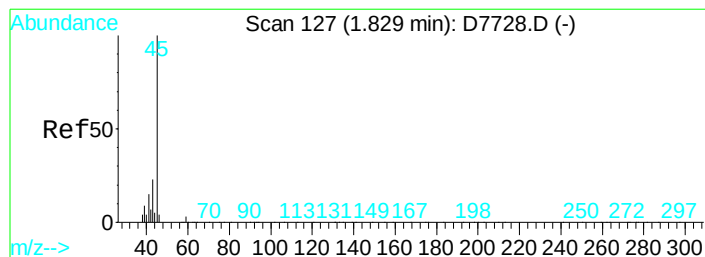
Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8353.D
Acq On : 21 Sep 2017 1:32 pm
Sample : R1708700-007|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 11:08 2017

Vial: 14
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

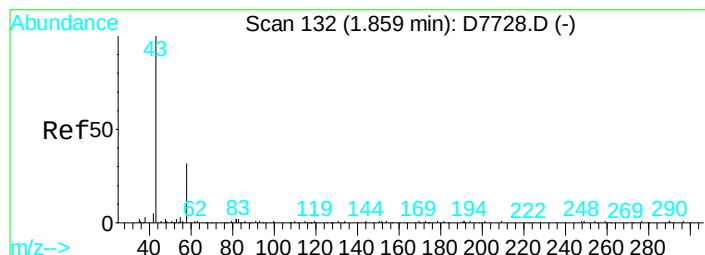
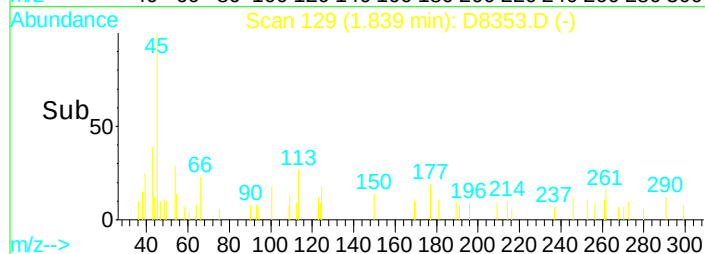
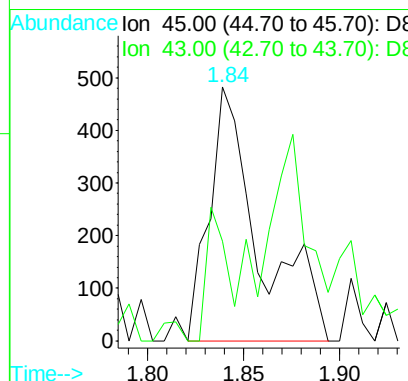
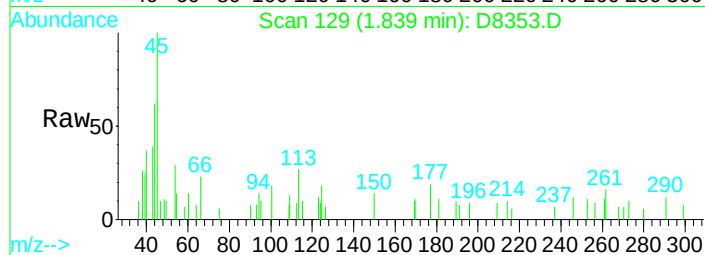
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





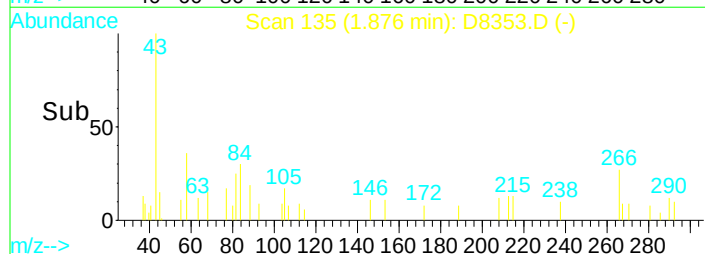
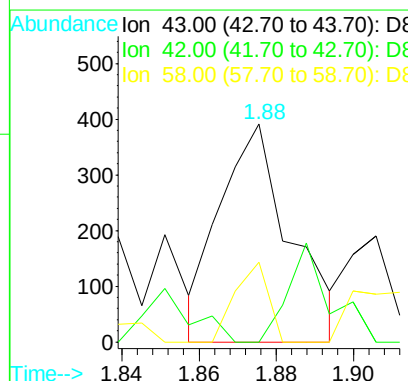
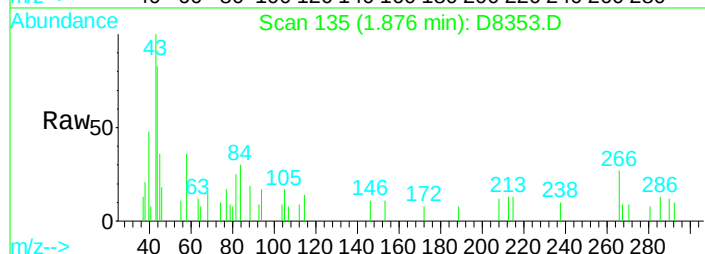
#13
2-Propanol
Concen: 8.36 ug/L m
RT: 1.84 min Scan# 129
Delta R.T. 0.01 min
Lab File: D8353.D
Acq: 21 Sep 2017 1:32 pm

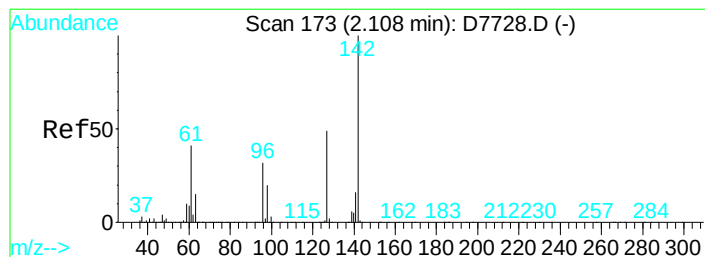
Tgt Ion: 45 Resp: 870
Ion Ratio Lower Upper
45 100
43 39.1 3.5 43.5



#14
Acetone
Concen: 0.95 ug/L
RT: 1.88 min Scan# 135
Delta R.T. 0.02 min
Lab File: D8353.D
Acq: 21 Sep 2017 1:32 pm

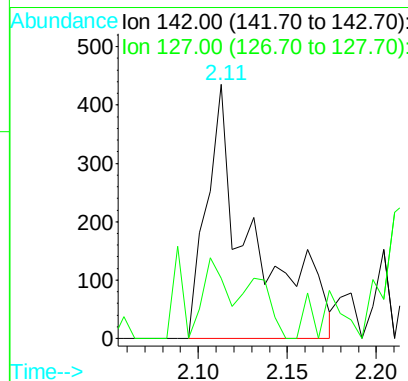
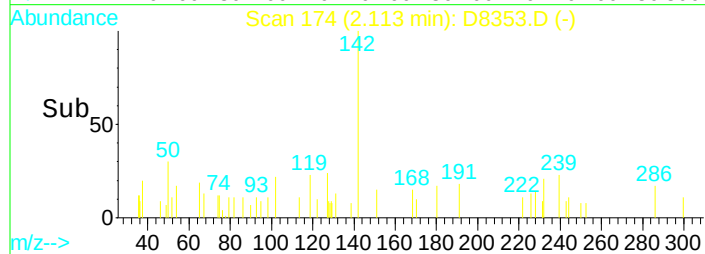
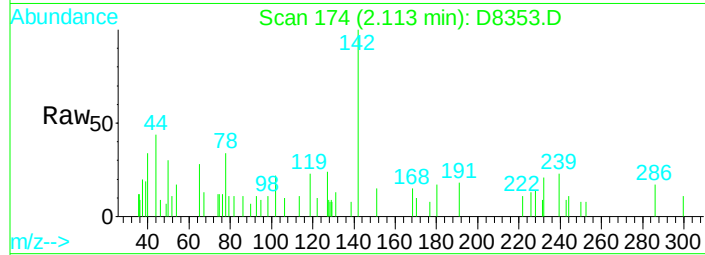
Tgt Ion: 43 Resp: 497
Ion Ratio Lower Upper
43 100
42 0.0 0.0 31.4
58 36.5 3.1 43.1





#17
 Iodomethane
 Concen: 0.25 ug/L
 RT: 2.11 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: D8353.D
 Acq: 21 Sep 2017 1:32 pm

Tgt Ion:142 Resp: 771
 Ion Ratio Lower Upper
 142 100
 127 32.6 28.6 68.6



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8350.D

Vial: 11

Acq On : 21 Sep 2017 12:14 pm

Operator: D.Lipani

Sample : R1708700-011|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 10:51 2017

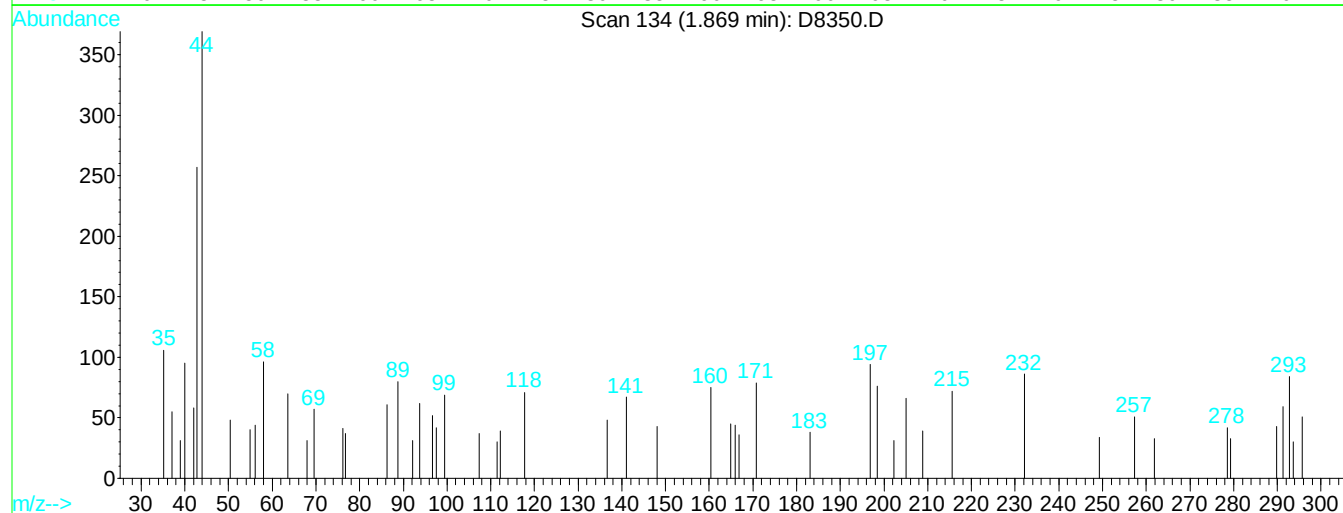
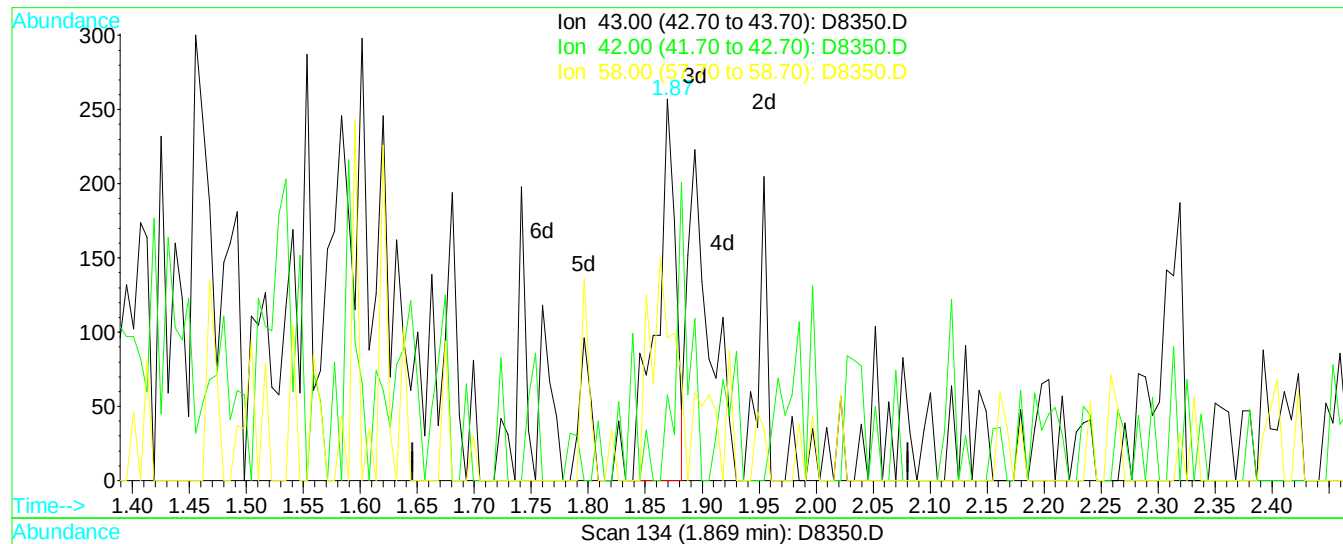
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8350.D

(14) Acetone (P)

Manual Integration:

1.87min 0.58ug/L m

After

response 304

Split Peak.

09/24/17

Ion	Exp%	Act%
43.00	100	100
42.00	11.40	22.57
58.00	23.10	37.35
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8350.D

Vial: 11

Acq On : 21 Sep 2017 12:14 pm

Operator: D.Lipani

Sample : R1708700-011|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 10:51 2017

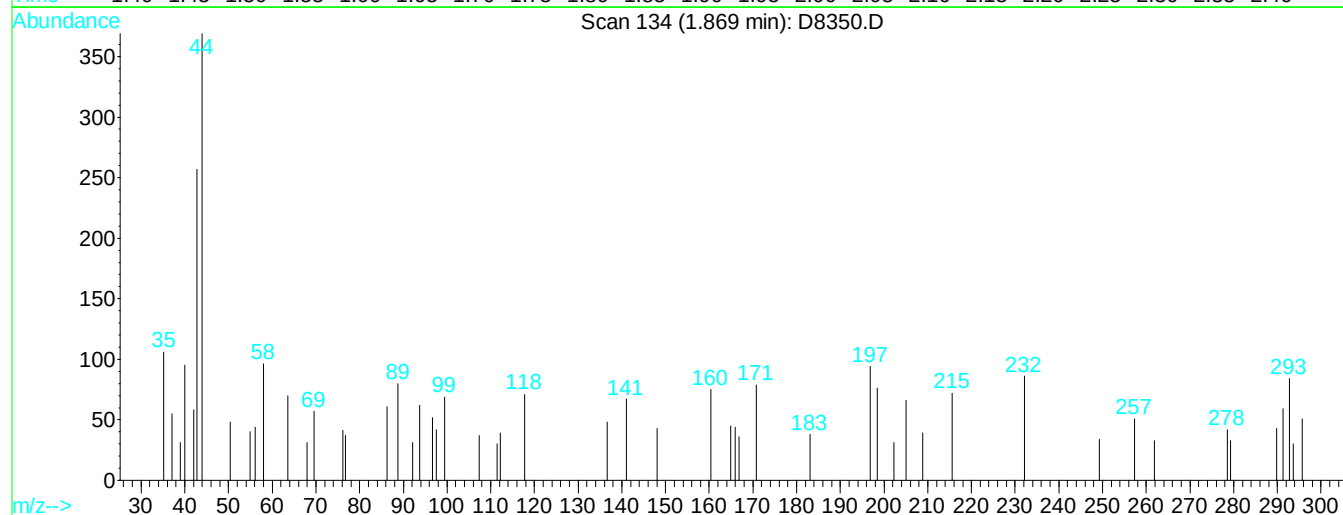
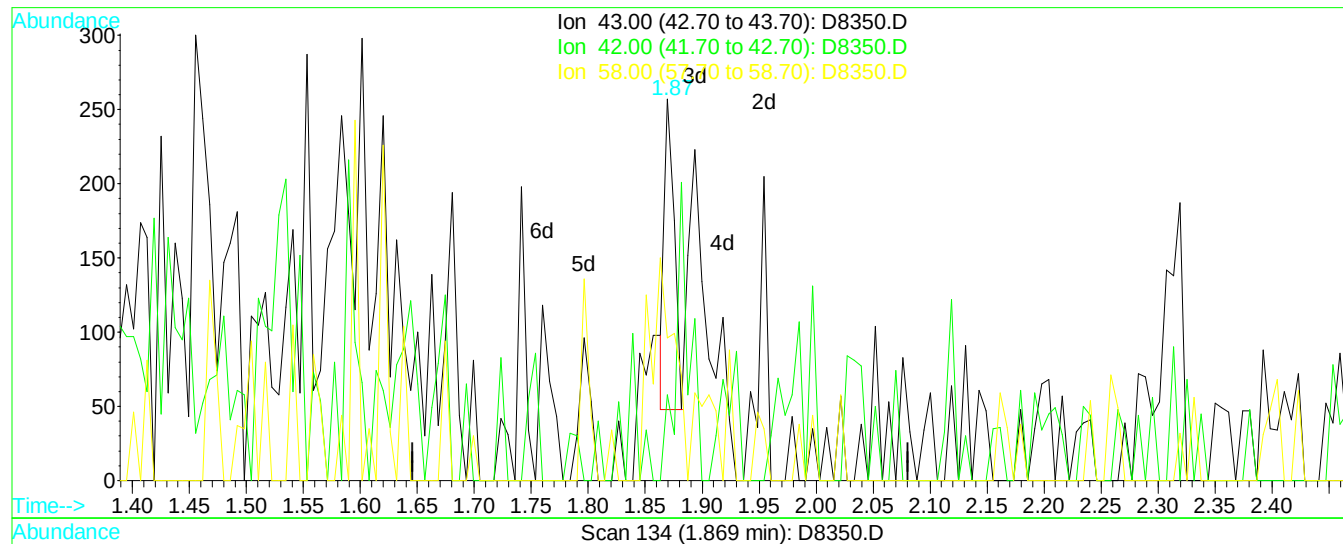
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8350.D

(14) Acetone (P)

Manual Integration:

1.87min 0.23ug/L

Before

response 123

Ion	Exp%	Act%
43.00	100	100
42.00	11.40	22.57
58.00	23.10	37.35
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8350.D

Vial: 11

Acq On : 21 Sep 2017 12:14 pm

Operator: D.Lipani

Sample : R1708700-011|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 10:53 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	279678	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	380848	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	178646	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	193959	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	136882	50.11	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	100.22%
43) surr1,1,2-dichloroethane-d	4.47	65	144353	48.79	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	97.58%
65) SURR3,Toluene-d8	7.89	98	424186	55.00	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.00%
86) SURR2,BFB	10.25	95	165605	49.49	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	98.98%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.44	94	468	0.23	ug/L	# 48
14) Acetone	1.87	43	304m	0.58	ug/L	
17) Iodomethane	2.11	142	822	0.26	ug/L	# 28
18) TBA	2.13	59	188	1.05	ug/L	57

Quantitation Report

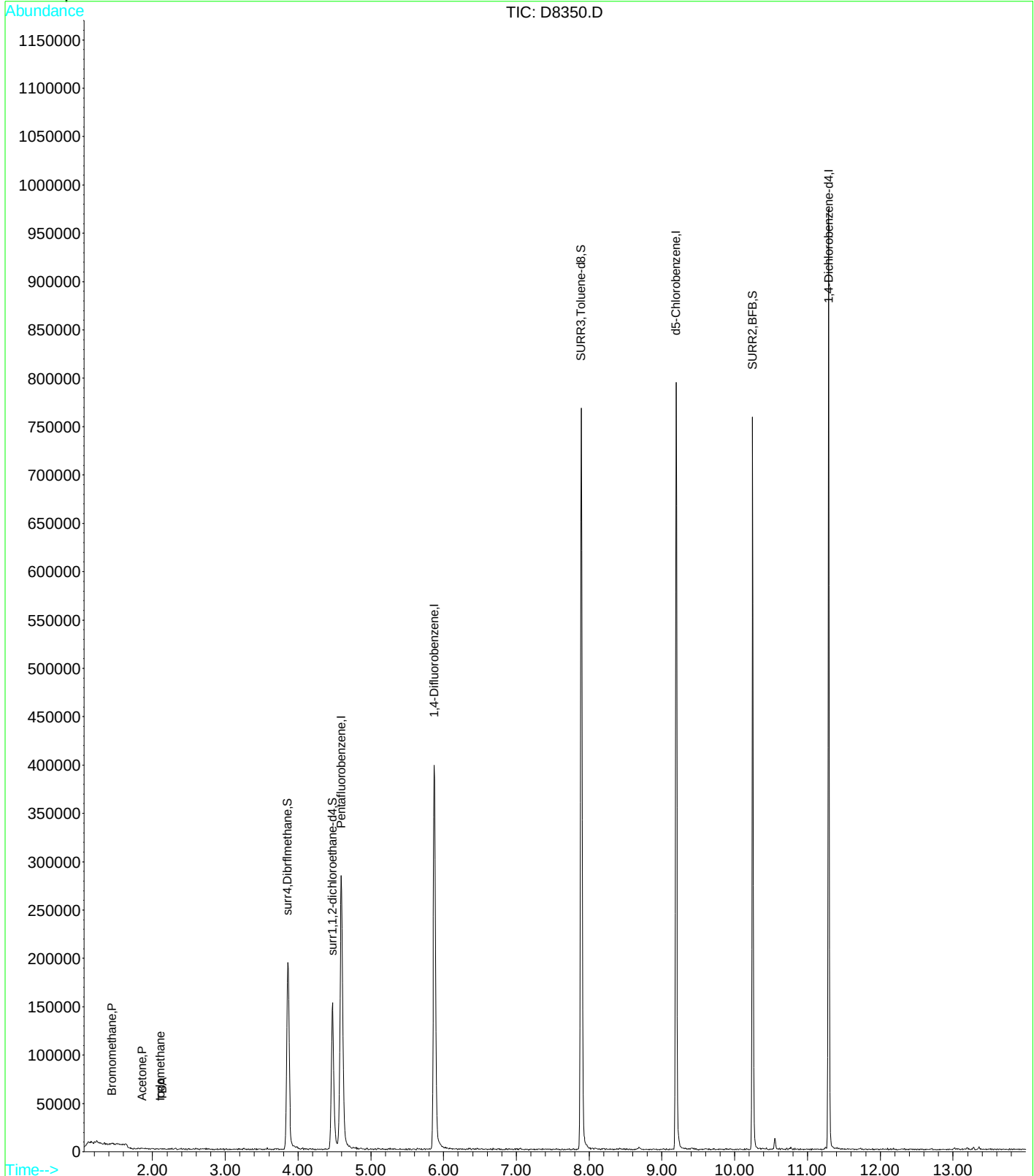
1st **DL** 09/24/17
2nd **BA** 09/25/17

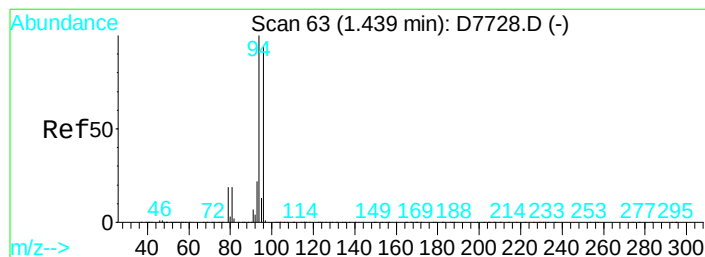
Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8350.D
Acq On : 21 Sep 2017 12:14 pm
Sample : R1708700-011|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 10:53 2017

Vial: 11
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

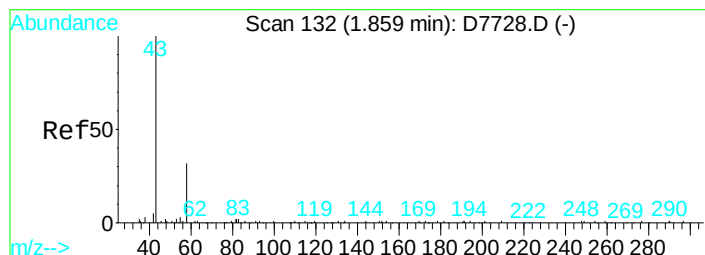
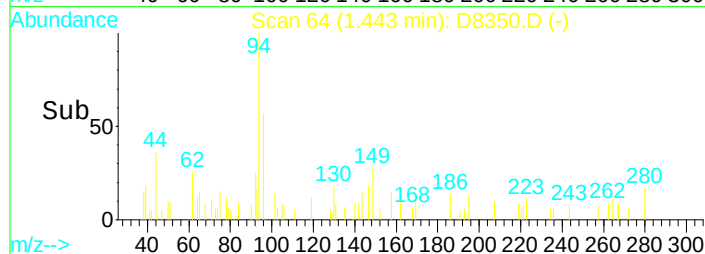
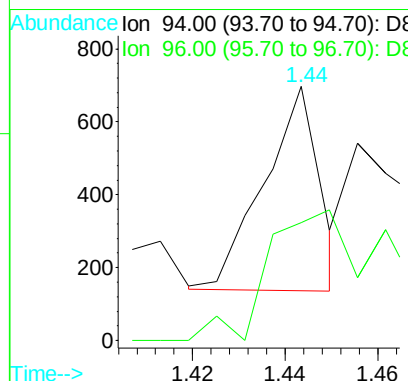
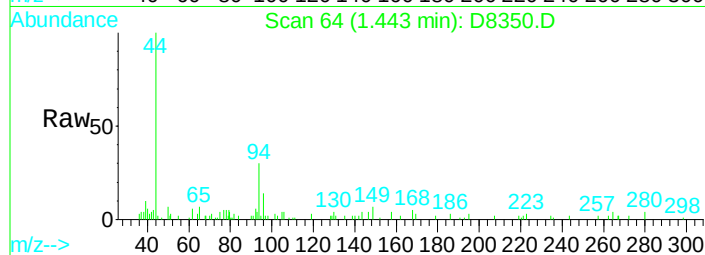
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





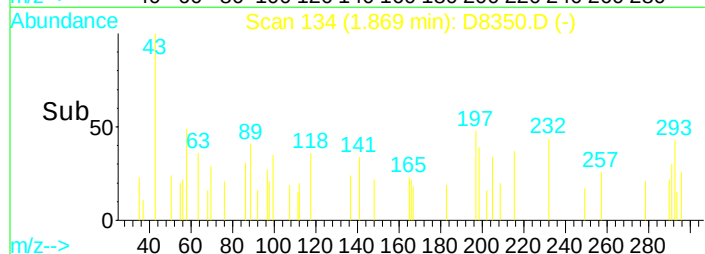
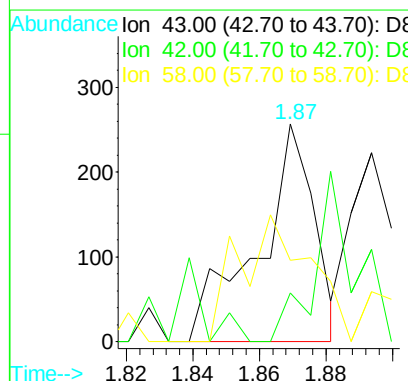
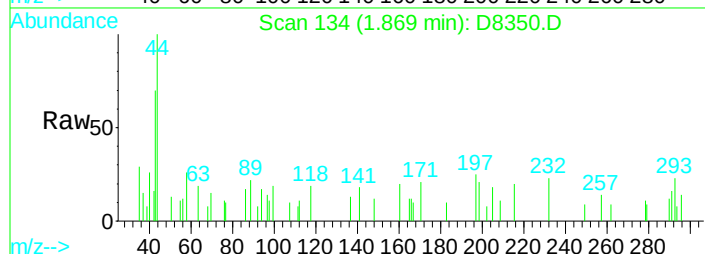
#5
Bromomethane
Concen: 0.23 ug/L
RT: 1.44 min Scan# 64
Delta R.T. 0.00 min
Lab File: D8350.D
Acq: 21 Sep 2017 12:14 pm

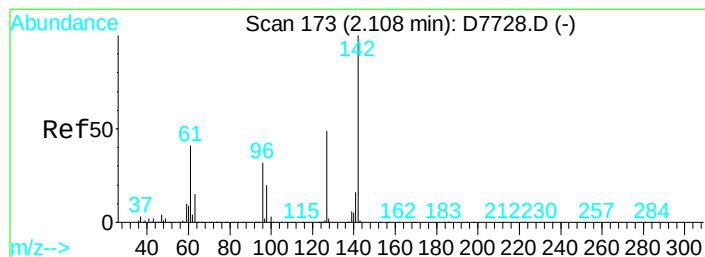
Tgt Ion: 94 Resp: 468
Ion Ratio Lower Upper
94 100
96 43.2 73.7 113.7#



#14
Acetone
Concen: 0.58 ug/L m
RT: 1.87 min Scan# 134
Delta R.T. 0.01 min
Lab File: D8350.D
Acq: 21 Sep 2017 12:14 pm

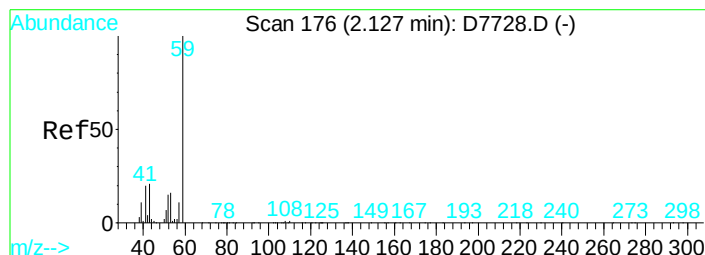
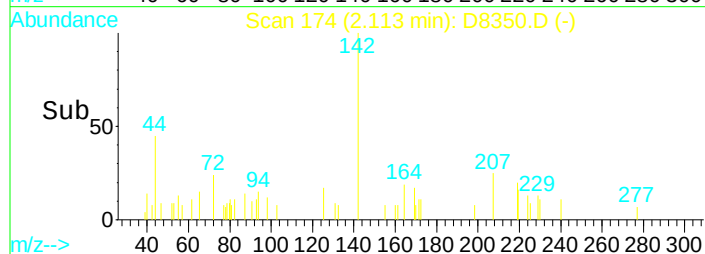
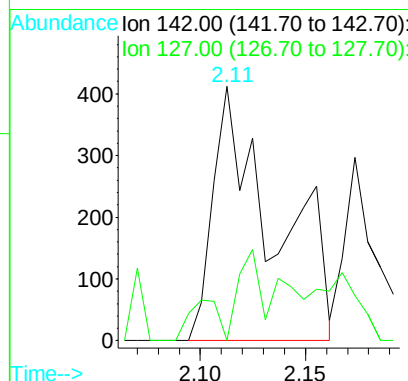
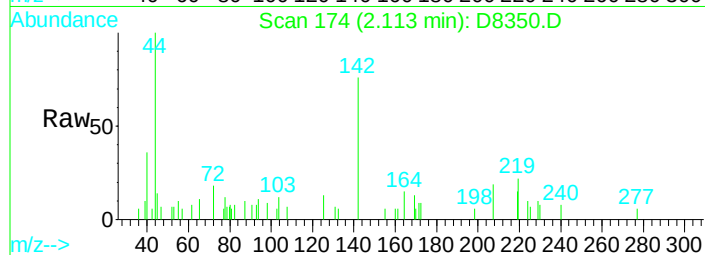
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
42 22.6 0.0 31.4
58 37.4 3.1 43.1





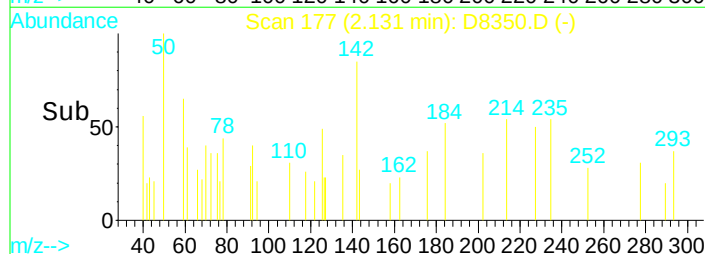
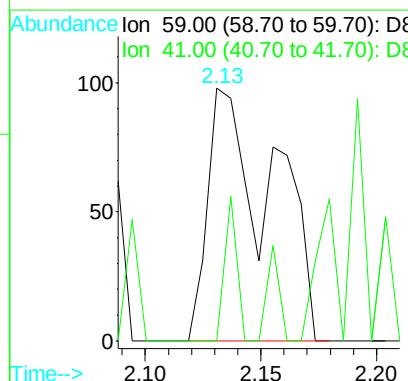
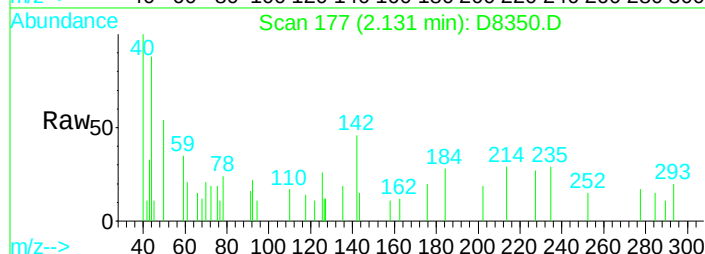
#17
Iodomethane
Concen: 0.26 ug/L
RT: 2.11 min Scan# 174
Delta R.T. 0.00 min
Lab File: D8350.D
Acq: 21 Sep 2017 12:14 pm

Tgt Ion: 142 Resp: 822
Ion Ratio Lower Upper
142 100
127 0.0 28.6 68.6#



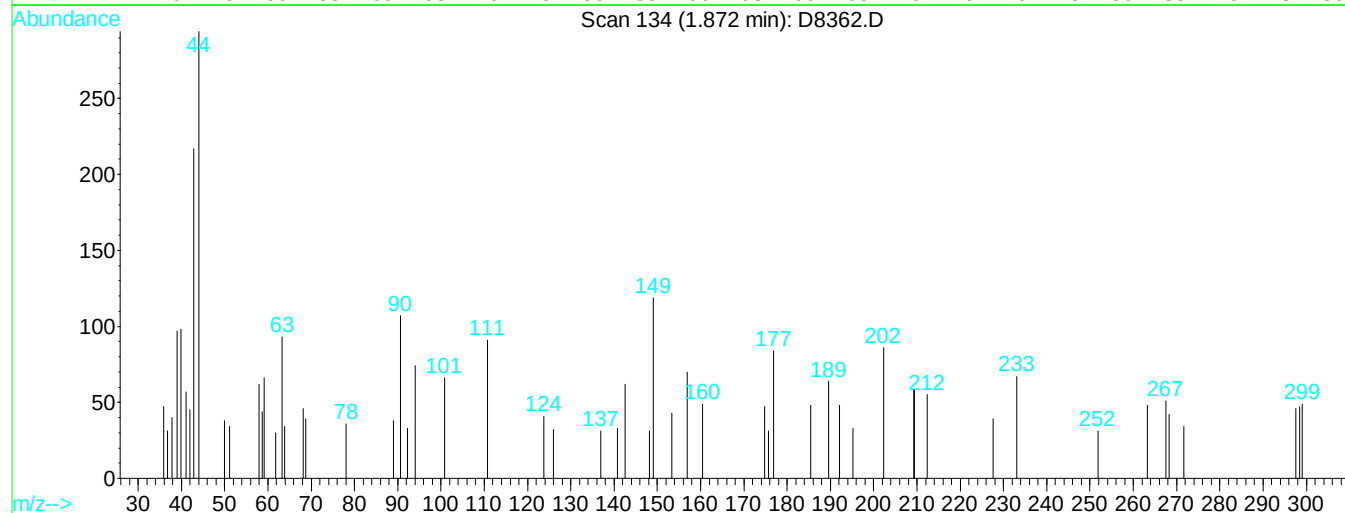
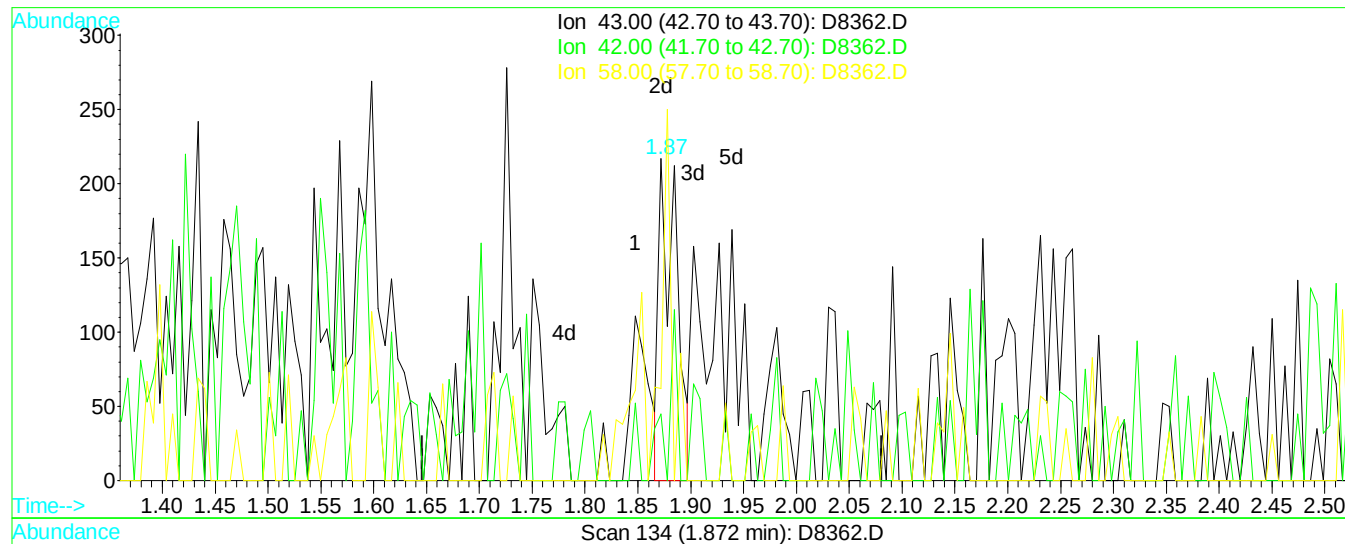
#18
TBA
Concen: 1.05 ug/L
RT: 2.13 min Scan# 177
Delta R.T. 0.00 min
Lab File: D8350.D
Acq: 21 Sep 2017 12:14 pm

Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
41 0.0 0.0 39.9



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8362.D Vial: 23
Acq On : 21 Sep 2017 5:26 pm Operator: D.Lipani
Sample : R1708700-012|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 11:54 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Single Level Calibration



TIC: D8362.D

(14) Acetone (P)

1.87min 0.46ug/L m

response 242

Ion	Exp%	Act%
43.00	100	100
42.00	11.40	20.74
58.00	23.10	28.57
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8362.D

Vial: 23

Acq On : 21 Sep 2017 5:26 pm

Operator: D.Lipani

Sample : R1708700-012|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 11:53 2017

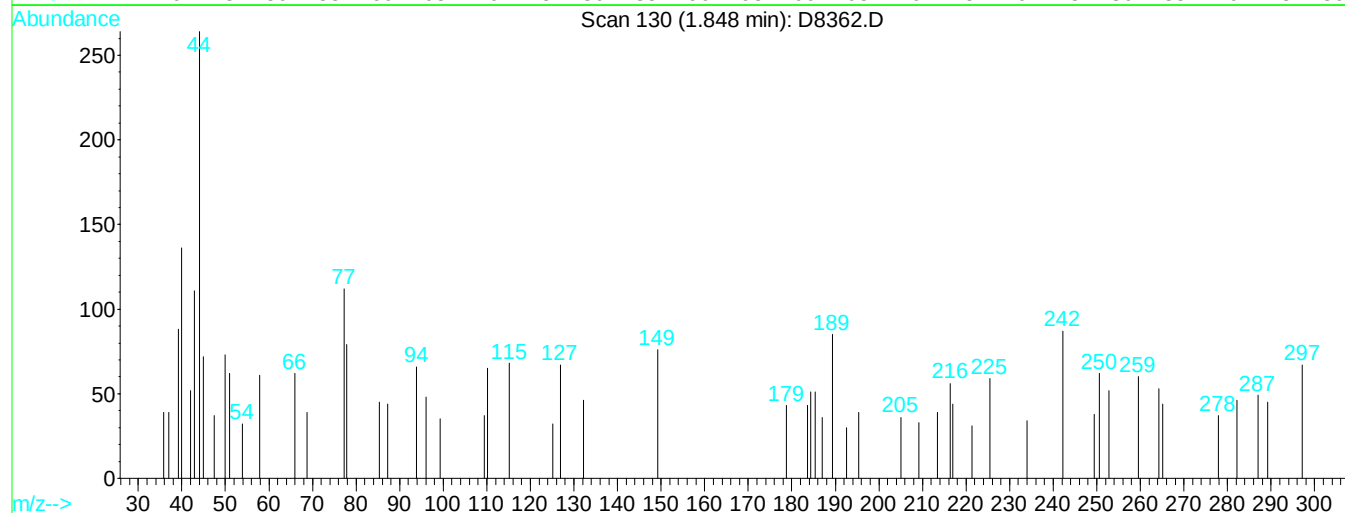
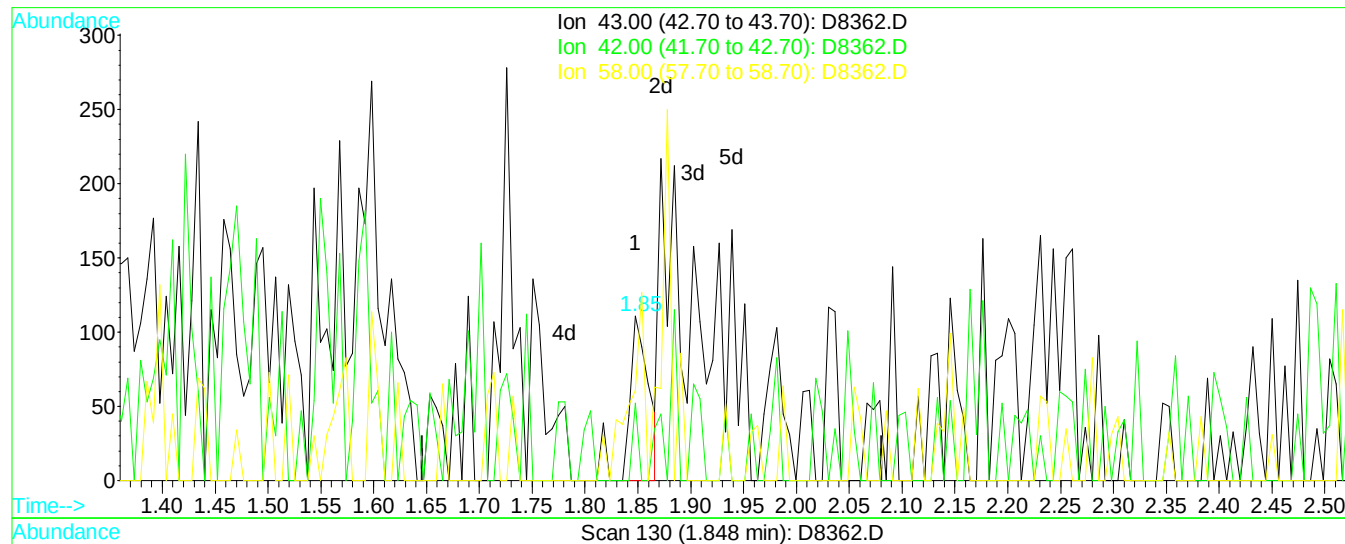
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8362.D

(14) Acetone (P)

Manual Integration:

1.85min 0.25ug/L

Before

response 130

09/24/17

Ion	Exp%	Act%
43.00	100	100
42.00	11.40	46.85#
58.00	23.10	54.95#
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8362.D

Vial: 23

Acq On : 21 Sep 2017 5:26 pm

Operator: D.Lipani

Sample : R1708700-012|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 11:57 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	282076	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	378874	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	178524	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	195836	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	135688	49.93	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	99.86%
43) surr1,1,2-dichloroethane-d	4.48	65	142658	48.47	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	96.94%
65) SURR3,Toluene-d8	7.89	98	416894	54.34	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	108.68%
86) SURR2,BFB	10.25	95	171191	51.20	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	102.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue	
4) Vinyl Chloride	1.26	62	1083	0.31	ug/L	#	1 hit good SO2 present!
9) Freon 123a	1.73	67	6489	2.57	ug/L		98
14) Acetone	1.87	43	242m	0.46	ug/L		
21) Freon 113	2.24	101	11985	5.40	ug/L		88
27) 1,1-Dicethane	2.89	63	2208	0.70	ug/L		84
33) cis-1,2-Dichloroethene	3.47	96	10795	4.88	ug/L	#	56
35) Chloroform	3.72	83	769	0.20	ug/L	#	67
39) 1,1,1-Trichloroethane	4.73	97	8879	2.43	ug/L		80
54) Trichloroethene	6.32	130	50660	20.62	ug/L		99
74) Tetrachloroethene	8.62	164	2871	1.35	ug/L		92

Quantitation Report

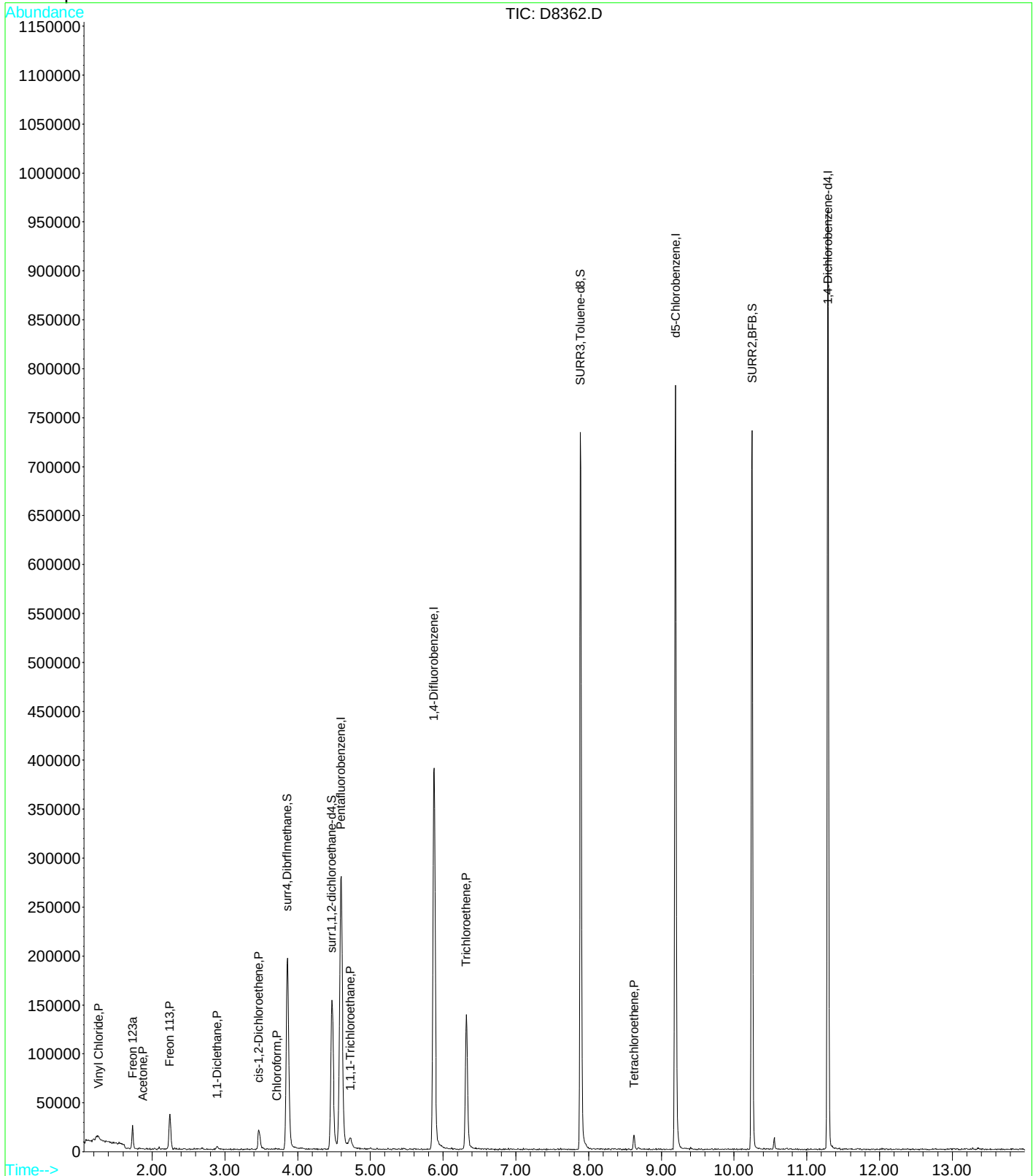
1st **DL** 09/24/17
2nd **BA** 09/25/17

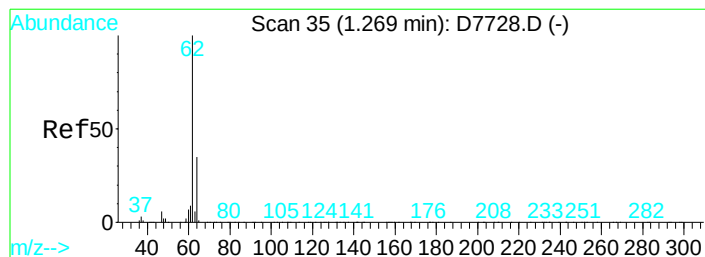
Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8362.D
Acq On : 21 Sep 2017 5:26 pm
Sample : R1708700-012|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 11:57 2017

Vial: 23
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

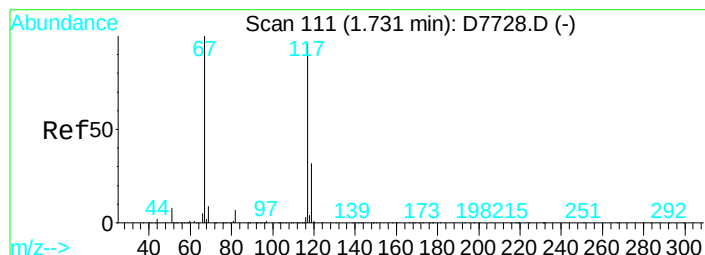
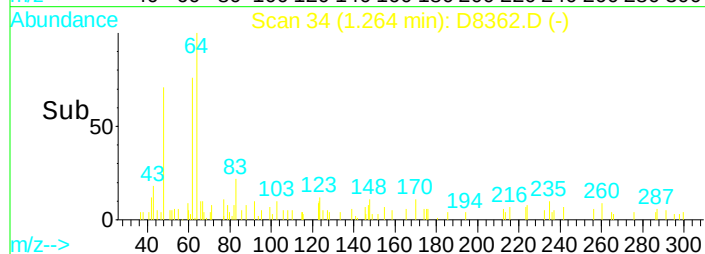
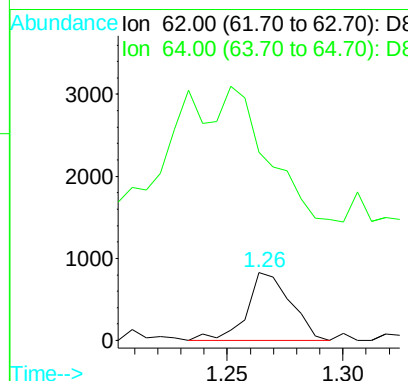
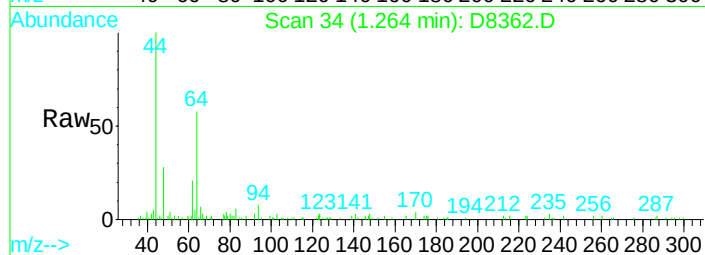
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





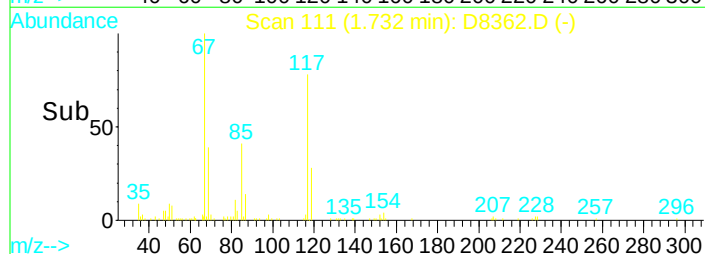
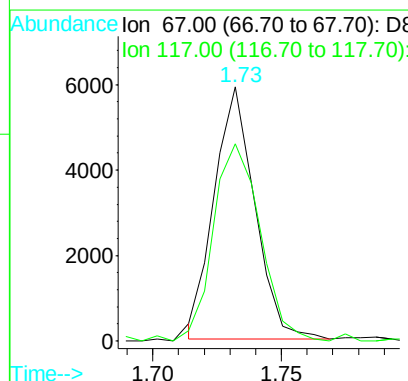
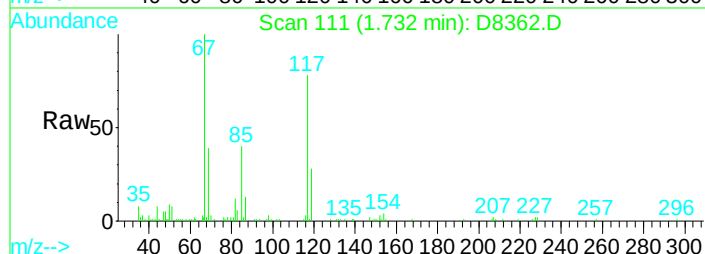
#4
Vinyl Chloride
Concen: 0.31 ug/L
RT: 1.26 min Scan# 34
Delta R.T. -0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

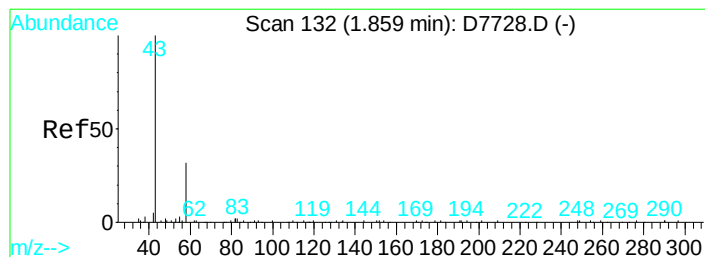
Tgt Ion: 62 Resp: 1083
Ion Ratio Lower Upper
62 100
64 276.4 15.3 55.3#



#9
Freon 123a
Concen: 2.57 ug/L
RT: 1.73 min Scan# 111
Delta R.T. 0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

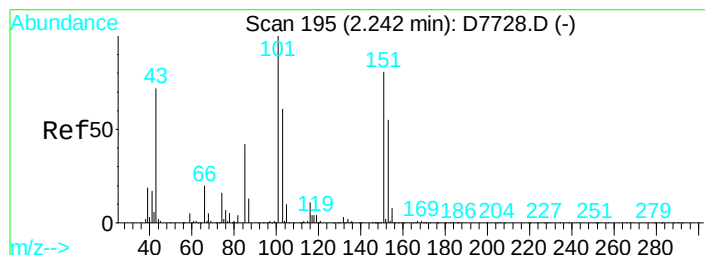
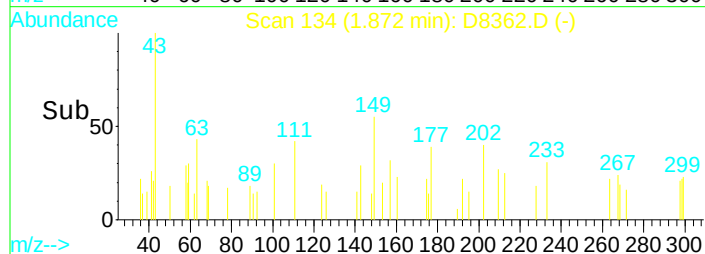
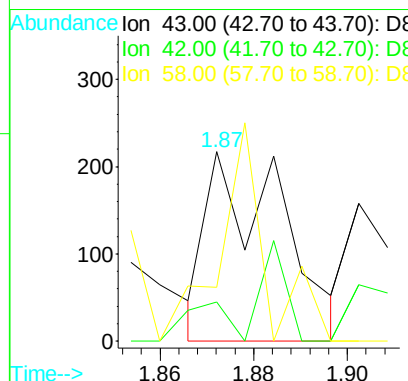
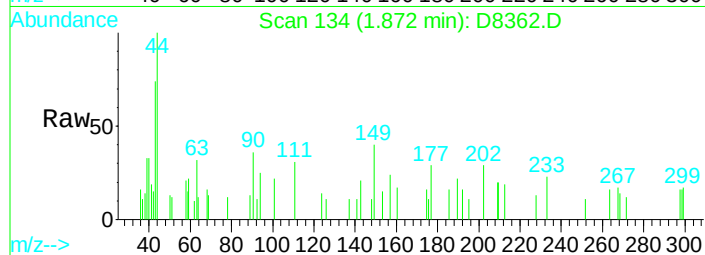
Tgt Ion: 67 Resp: 6489
Ion Ratio Lower Upper
67 100
117 79.0 61.0 101.0





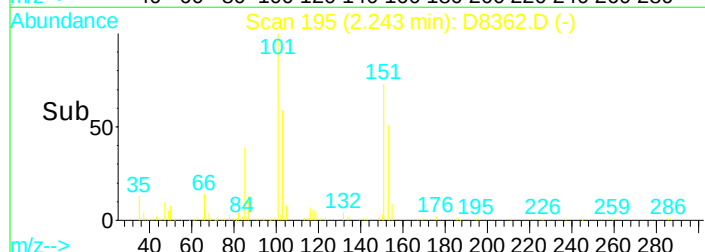
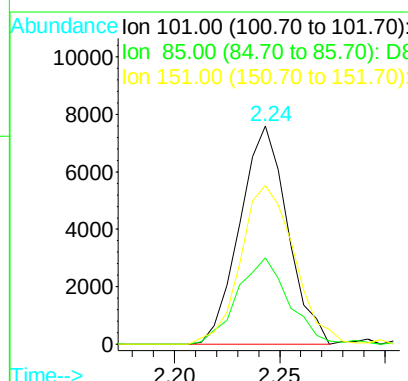
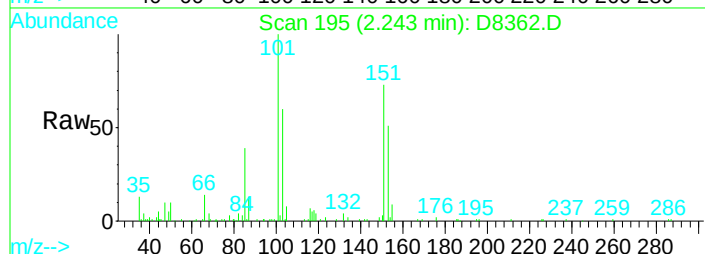
#14
Acetone
Concen: 0.46 ug/L m
RT: 1.87 min Scan# 134
Delta R.T. 0.01 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

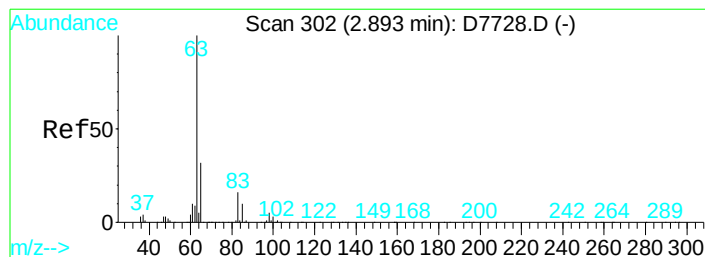
Tgt Ion:	43	Resp:	242
Ion Ratio	Lower	Upper	
43	100		
42	20.7	0.0	31.4
58	28.6	3.1	43.1



#21
Freon 113
Concen: 5.40 ug/L
RT: 2.24 min Scan# 195
Delta R.T. 0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

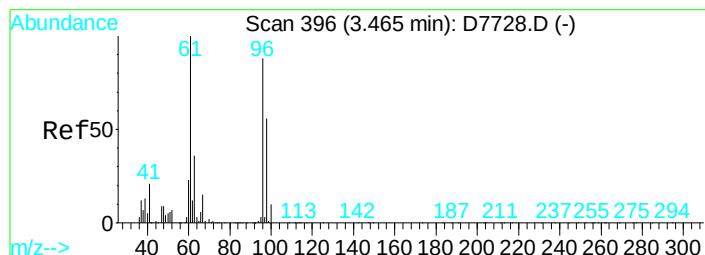
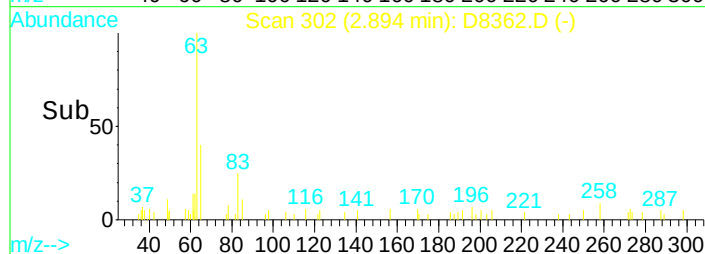
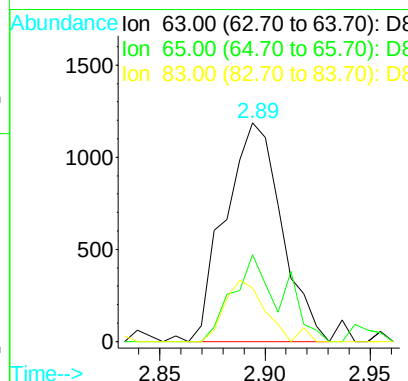
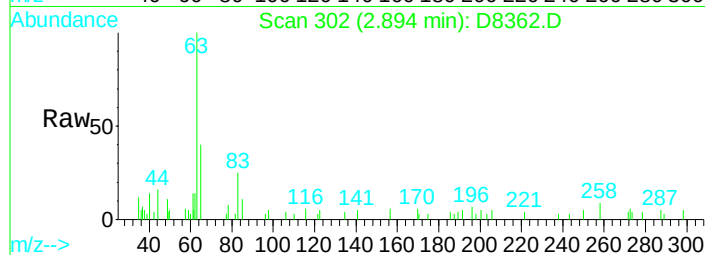
Tgt Ion:	101	Resp:	11985
Ion Ratio	Lower	Upper	
101	100		
85	38.3	25.6	65.6
151	70.5	61.0	101.0





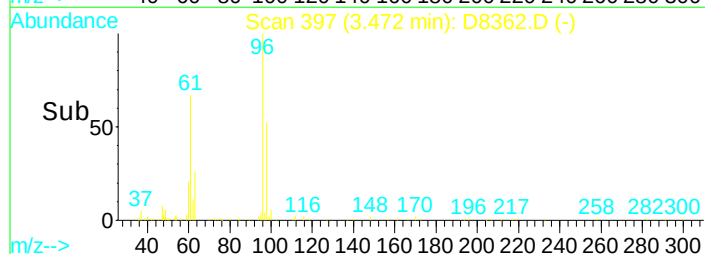
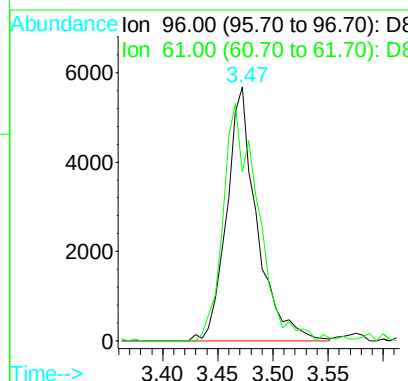
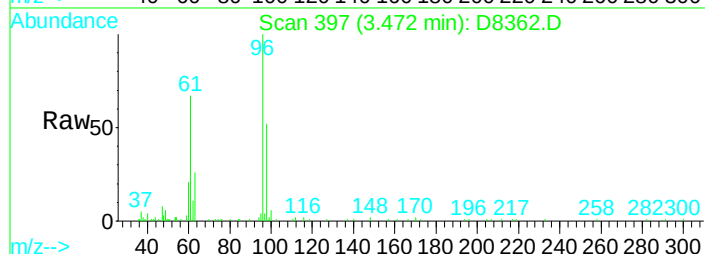
#27
1,1-Dichloroethane
Concen: 0.70 ug/L
RT: 2.89 min Scan# 302
Delta R.T. 0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

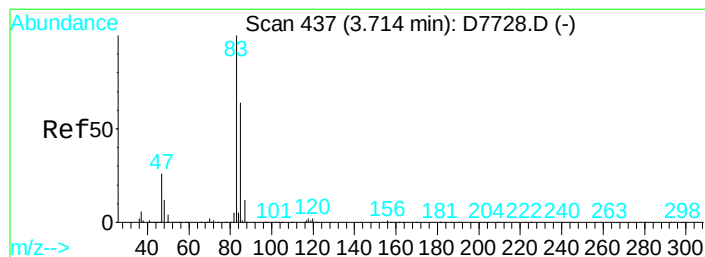
Tgt Ion:	63	Resp:	2208
Ion Ratio	Lower	Upper	
63	100		
65	39.7	11.9	51.9
83	24.6	0.0	36.0



#33
cis-1,2-Dichloroethene
Concen: 4.88 ug/L
RT: 3.47 min Scan# 397
Delta R.T. 0.01 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

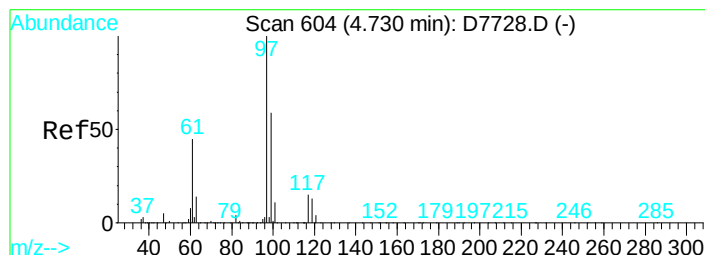
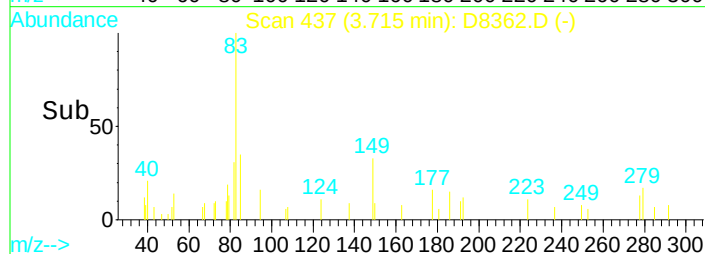
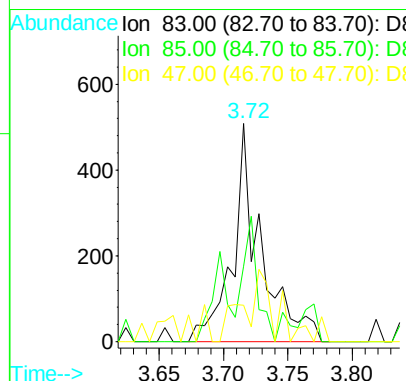
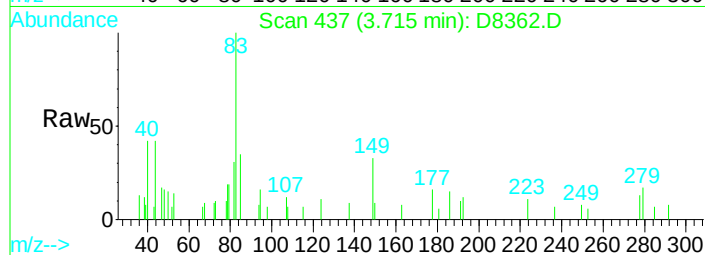
Tgt Ion:	96	Resp:	10795
Ion Ratio	Lower	Upper	
96	100		
61	66.7	93.6	133.6#





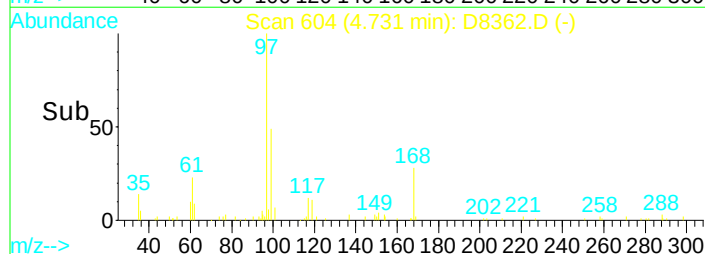
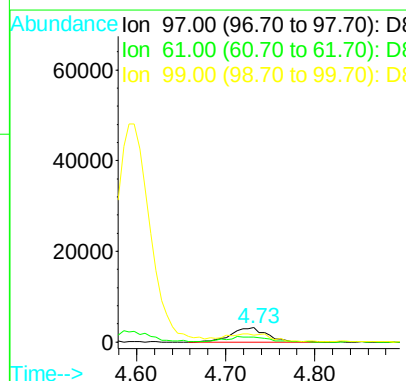
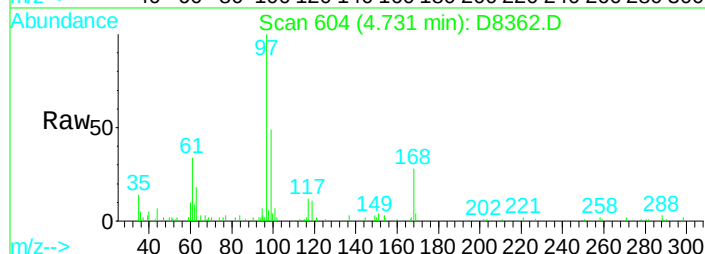
#35
Chloroform
Concen: 0.20 ug/L
RT: 3.72 min Scan# 437
Delta R.T. 0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

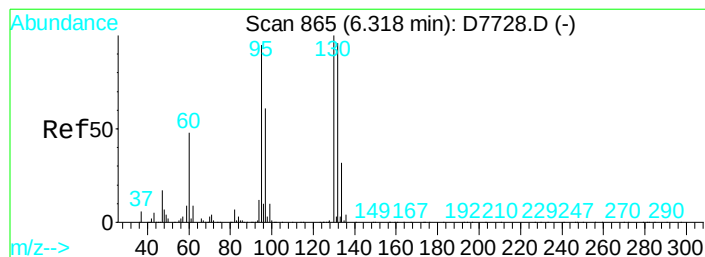
Tgt Ion:	83	Resp:	769
Ion Ratio	Lower	Upper	
83	100		
85	34.6	43.9	83.9#
47	16.7	8.1	48.1



#39
1,1,1-Trichloroethane
Concen: 2.43 ug/L
RT: 4.73 min Scan# 604
Delta R.T. 0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

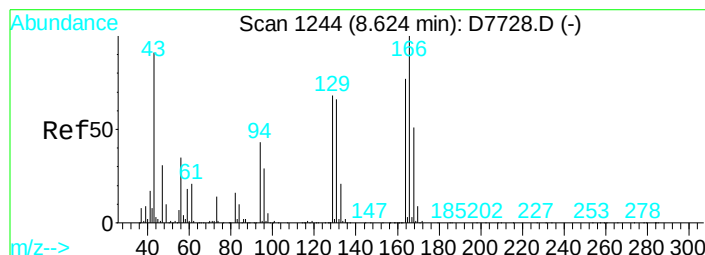
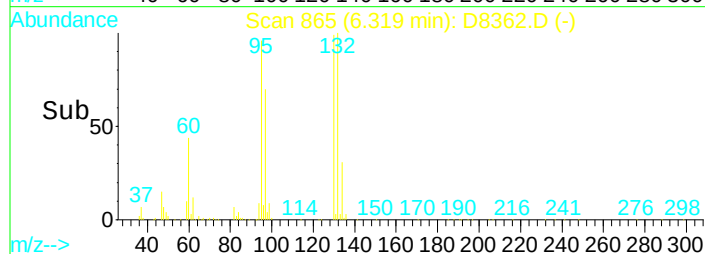
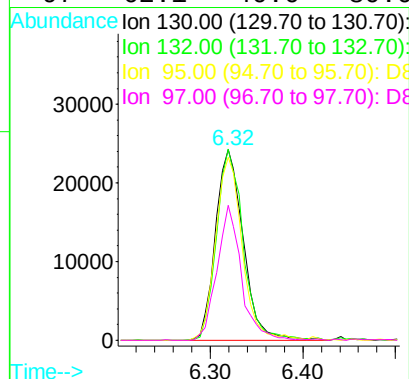
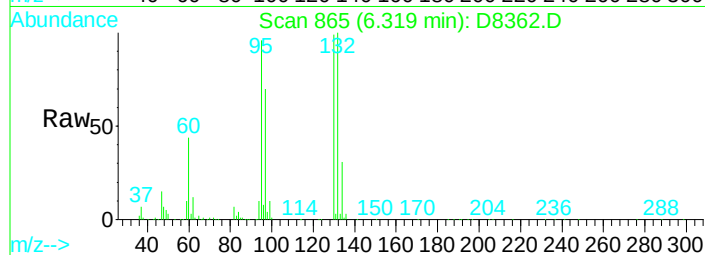
Tgt Ion:	97	Resp:	8879
Ion Ratio	Lower	Upper	
97	100		
61	31.7	26.0	66.0
99	49.2	44.3	84.3





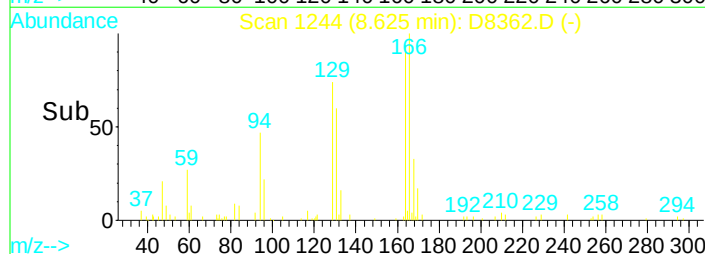
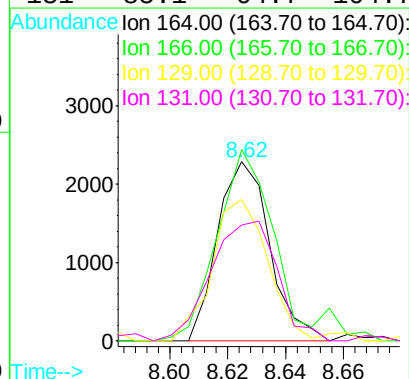
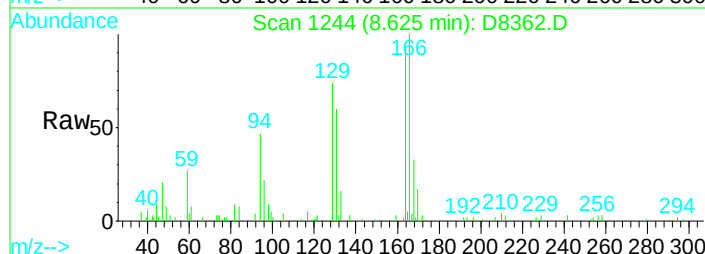
#54
Trichloroethene
Concen: 20.62 ug/L
RT: 6.32 min Scan# 865
Delta R.T. 0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	50660		
132	96.3	75.8	115.8	
95	91.7	72.3	112.3	
97	62.1	40.0	80.0	



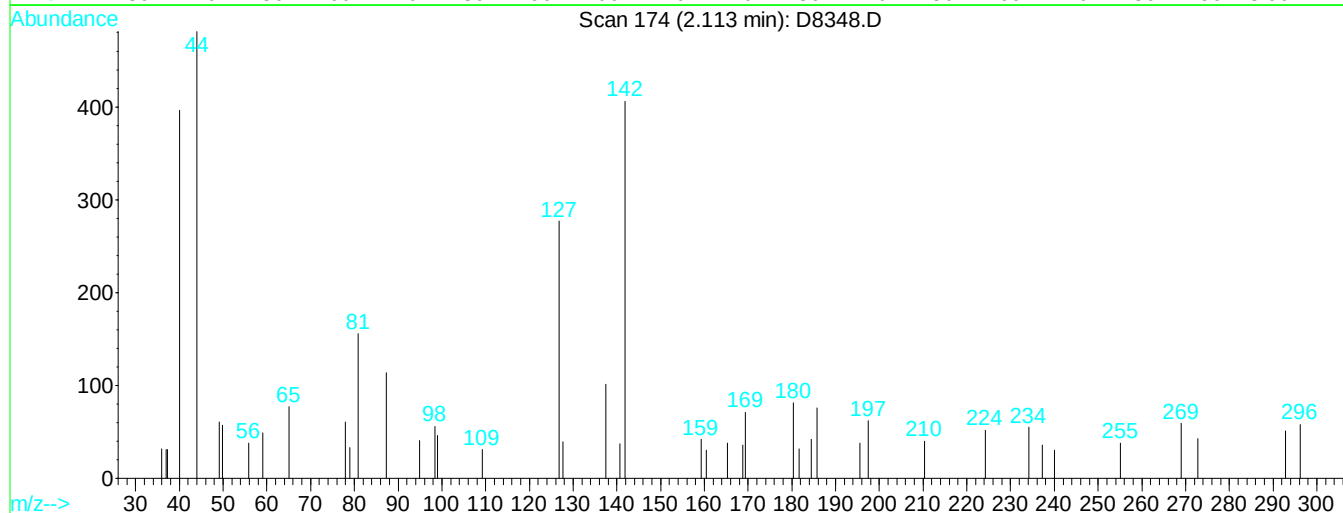
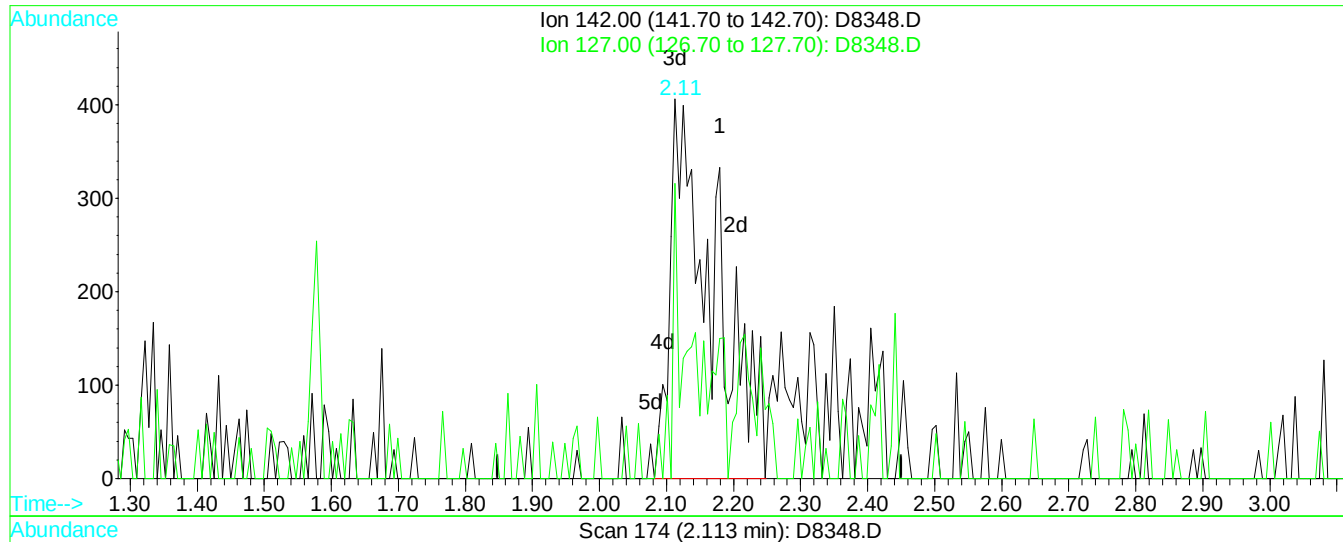
#74
Tetrachloroethene
Concen: 1.35 ug/L
RT: 8.62 min Scan# 1244
Delta R.T. 0.00 min
Lab File: D8362.D
Acq: 21 Sep 2017 5:26 pm

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2871		
166	113.4	111.1	151.1	
129	84.0	67.3	107.3	
131	85.1	64.7	104.7	



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8348.D Vial: 9
Acq On : 21 Sep 2017 11:22 am Operator: D.Lipani
Sample : MET BLK Inst : MS#6
Misc : 8260C / 624 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 11:44 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8348.D

(17) Iodomethane

Manual Integration:

2.11min 0.58ug/L m

After

response 1831

Split Peak.

09/21/17

Ion	Exp%	Act%
142.00	100	100
127.00	48.60	68.23
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8348.D

Vial: 9

Acq On : 21 Sep 2017 11:22 am

Operator: D.Lipani

Sample : MET BLK

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:43 2017

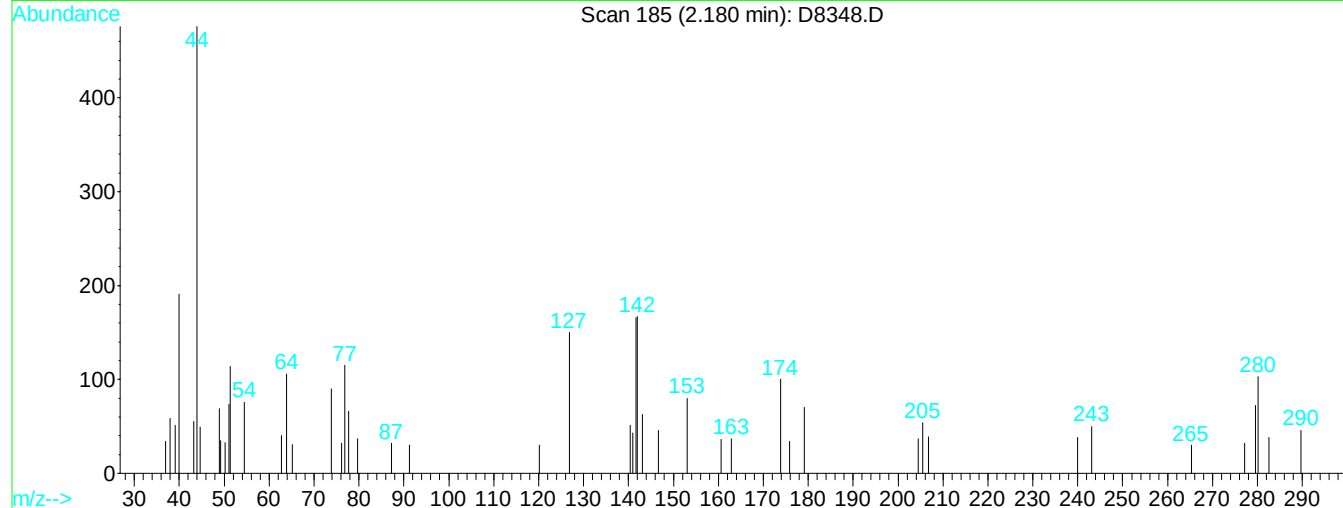
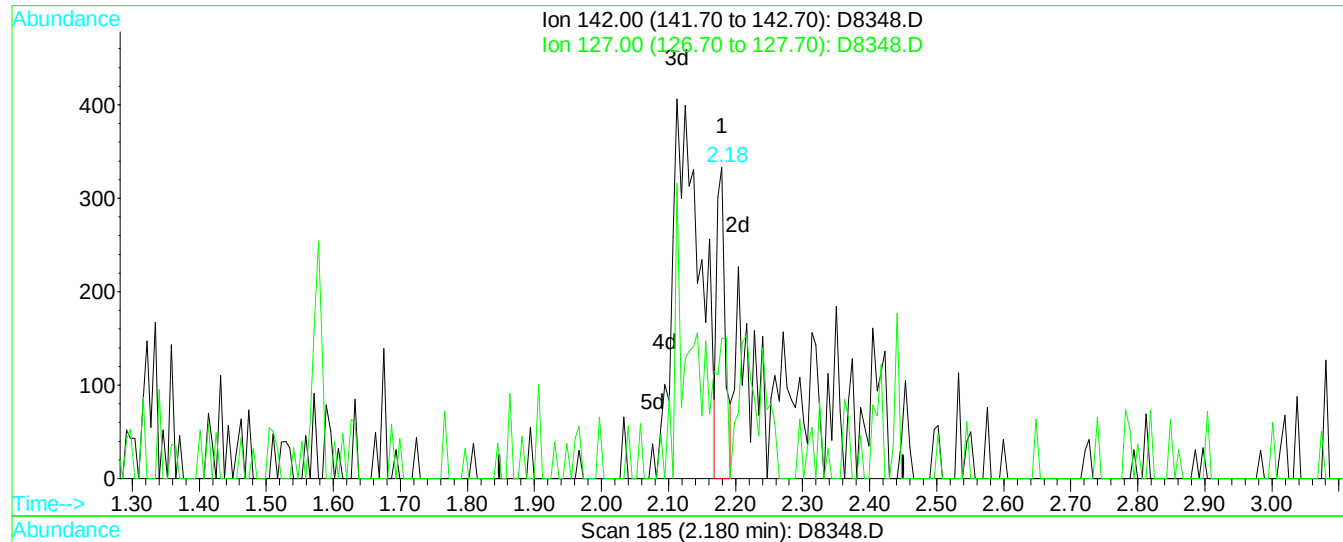
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8348.D

(17) Iodomethane

Manual Integration:

2.18min 0.09ug/L

Before

response 296

Ion	Exp%	Act%

09/21/17

142.00	100	100

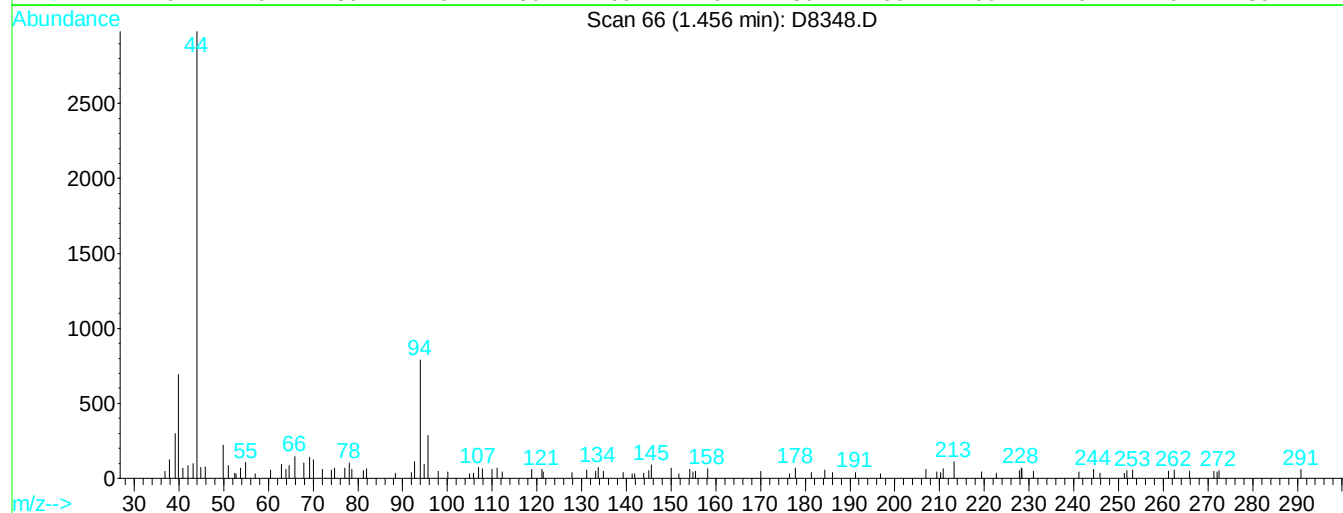
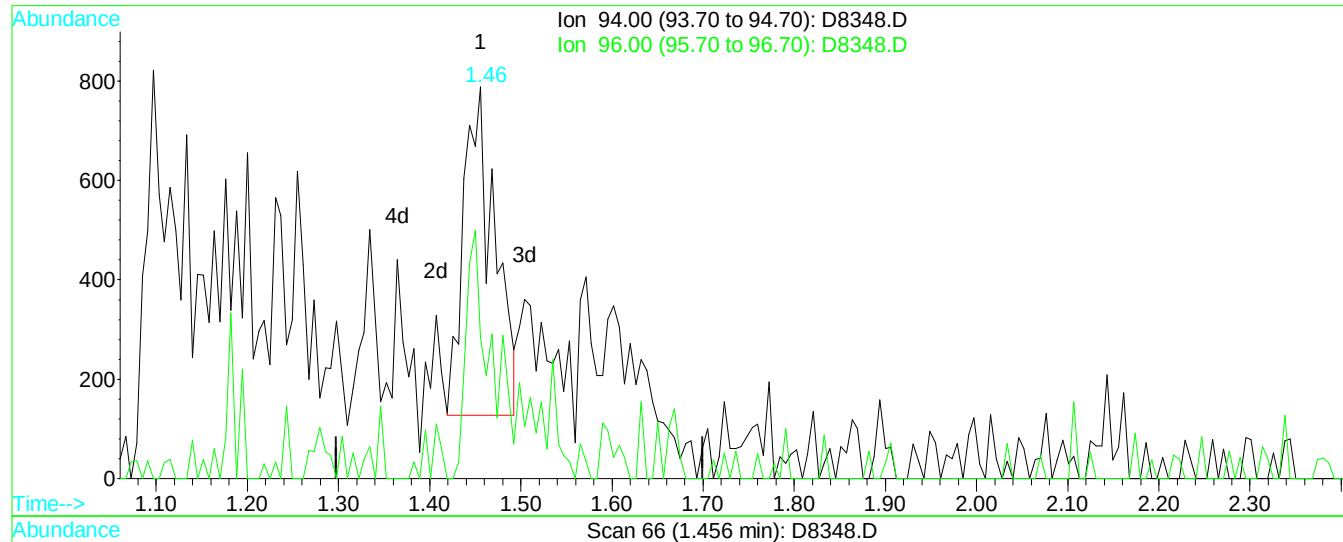
127.00	48.60	45.05

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8348.D Vial: 9
Acq On : 21 Sep 2017 11:22 am Operator: D.Lipani
Sample : MET BLK Inst : MS#6
Misc : 8260C / 624 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 11:43 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8348.D

(5) Bromomethane (P)

1.46min 0.75ug/L m

response 1555

Ion	Exp%	Act%
94.00	100	100
96.00	93.70	36.17#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8348.D

Vial: 9

Acq On : 21 Sep 2017 11:22 am

Operator: D.Lipani

Sample : MET BLK

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:39 2017

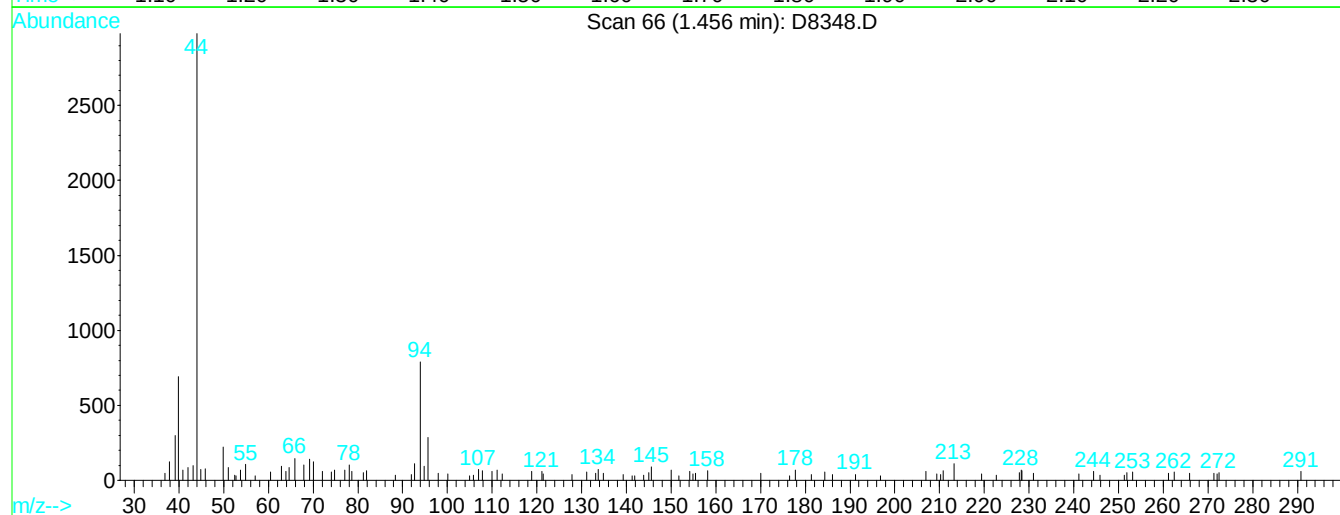
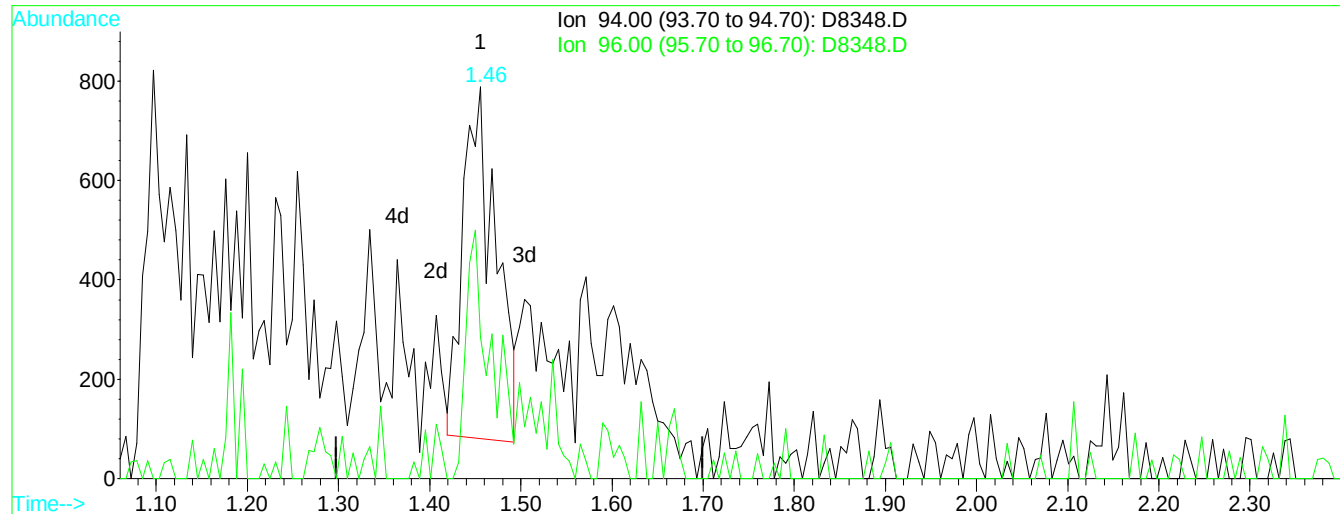
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8348.D

(5) Bromomethane (P)

Manual Integration:

1.46min 0.85ug/L

Before

response 1759

Ion	Exp%	Act%

09/21/17

94.00	100	100

96.00	93.70	36.17#

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8348.D

Vial: 9

Acq On : 21 Sep 2017 11:22 am

Operator: D.Lipani

Sample : MET BLK

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:45 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	280743	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	384929	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	179323	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	187189	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	137700	49.88	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	99.76%
43) surr1,1,2-dichloroethane-d	4.47	65	143062	47.84	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	95.68%
65) SURR3,Toluene-d8	7.89	98	420001	53.88	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	107.76%
86) SURR2,BFB	10.25	95	163935	48.81	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	97.62%

Target Compounds

					Qvalue	
5) Bromomethane	1.46	94	1555m	0.75	ug/L	
17) Iodomethane	2.11	142	1831m	0.58	ug/L	
81) Cyclohexanone	9.85	55	233	3.38	ug/L	# 67
105) 1,2,4-Tcbenzene	13.02	180	733	0.23	ug/L	# 69
106) Naphthalen	13.20	128	1786	0.29	ug/L	# 85
107) Hexachlorobt	13.29	225	369	0.23	ug/L	# 27
108) 1,2,3-Tclbenzene	13.36	180	1092	0.39	ug/L	# 78

Quantitation Report

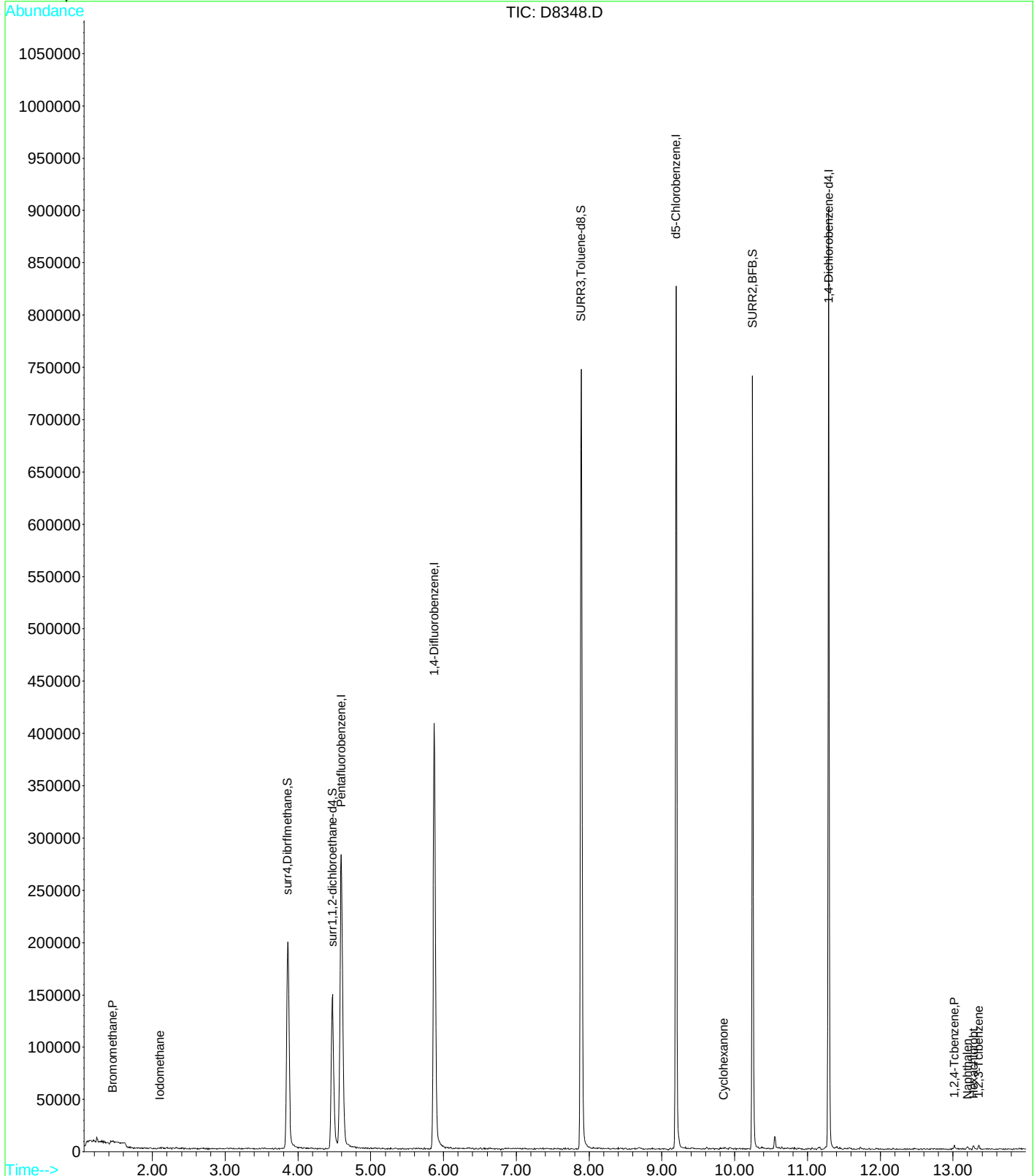
1st DL 09/24/17
2nd BA 09/25/17

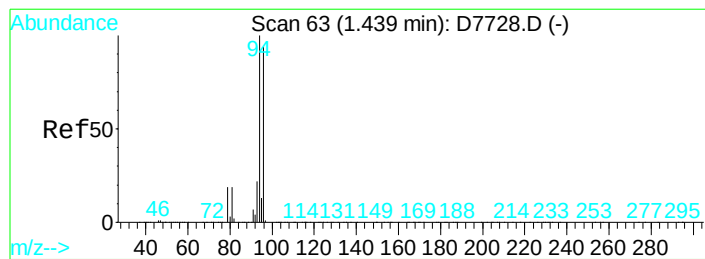
Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8348.D
Acq On : 21 Sep 2017 11:22 am
Sample : MET BLK
Misc : 8260C / 624
MS Integration Params: CPD4.P
Quant Time: Sep 21 11:45 2017

Vial: 9
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

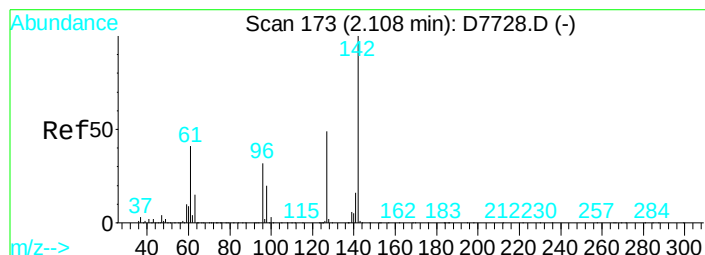
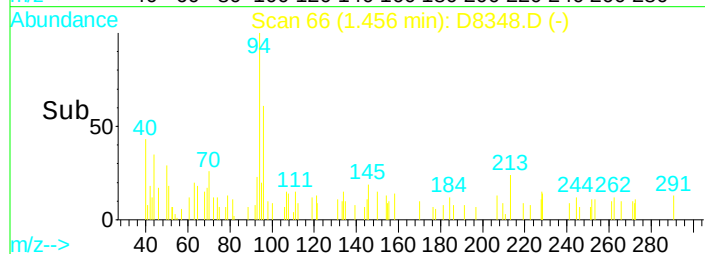
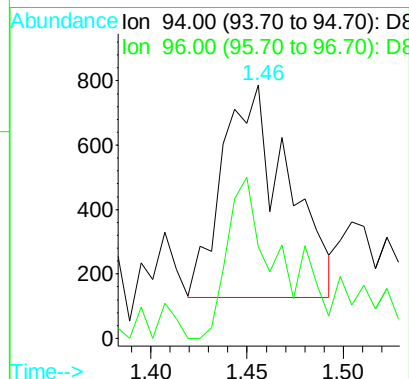
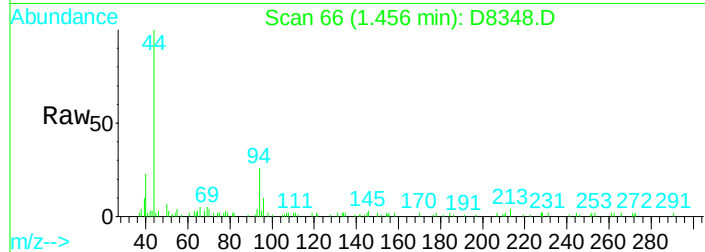
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





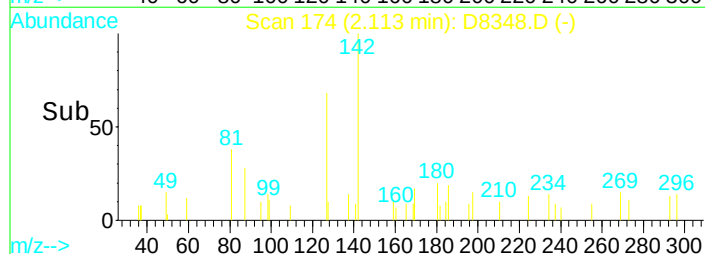
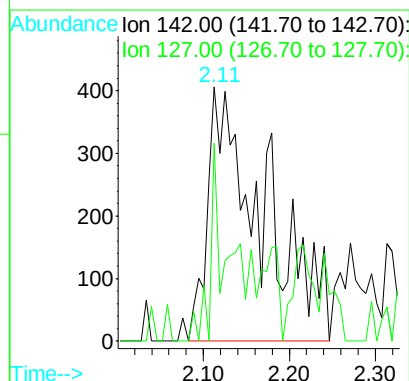
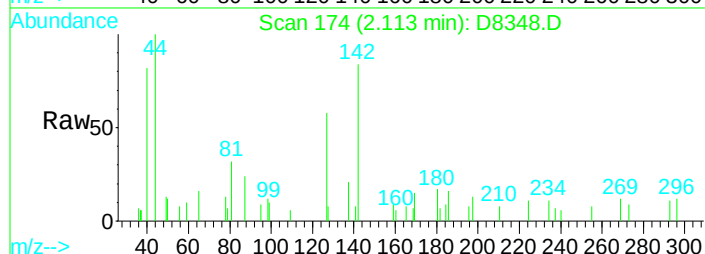
#5
Bromomethane
Concen: 0.75 ug/L m
RT: 1.46 min Scan# 66
Delta R.T. 0.02 min
Lab File: D8348.D
Acq: 21 Sep 2017 11:22 am

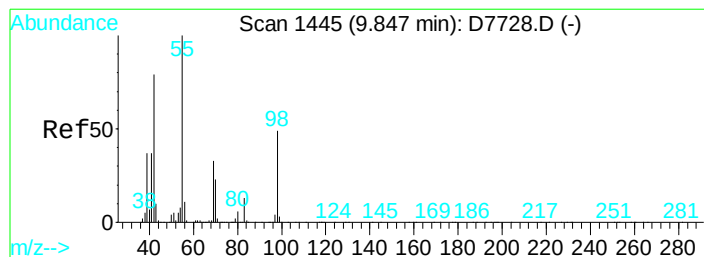
Tgt Ion: 94 Resp: 1555
Ion Ratio Lower Upper
94 100
96 36.2 73.7 113.7#



#17
Iodomethane
Concen: 0.58 ug/L m
RT: 2.11 min Scan# 174
Delta R.T. 0.00 min
Lab File: D8348.D
Acq: 21 Sep 2017 11:22 am

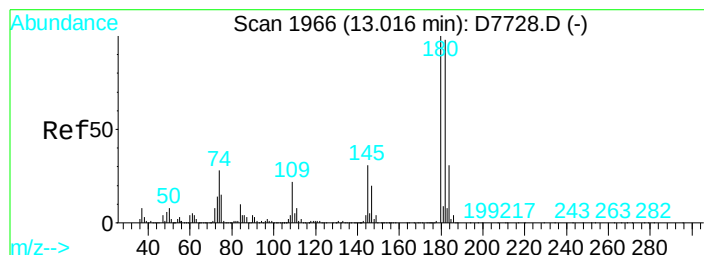
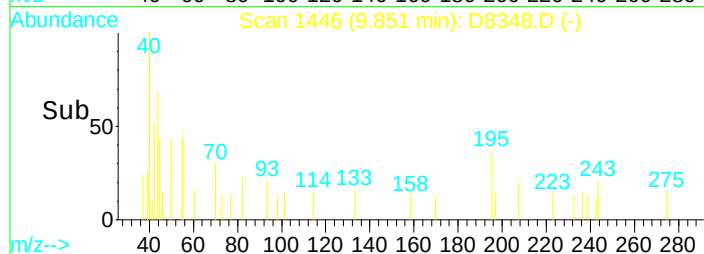
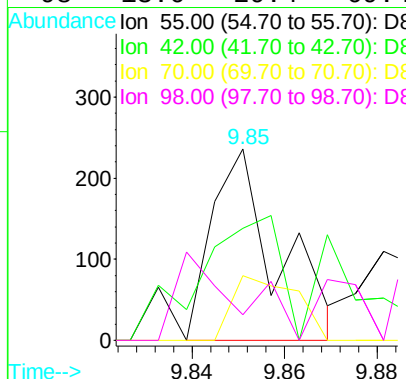
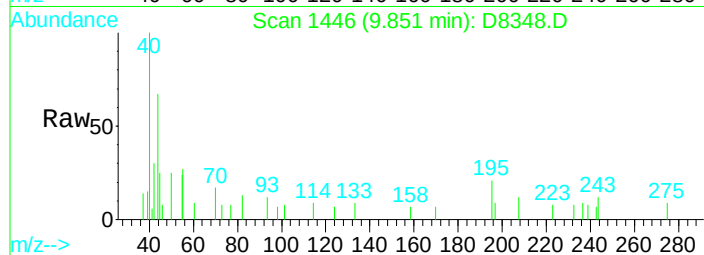
Tgt Ion: 142 Resp: 1831
Ion Ratio Lower Upper
142 100
127 68.2 28.6 68.6





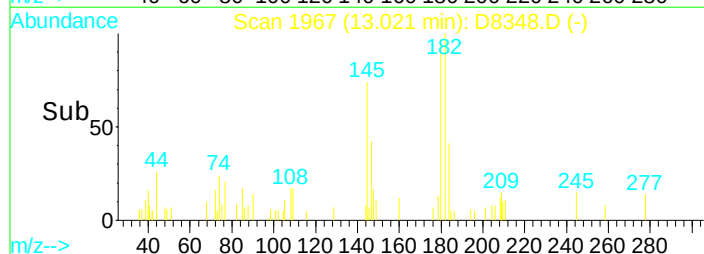
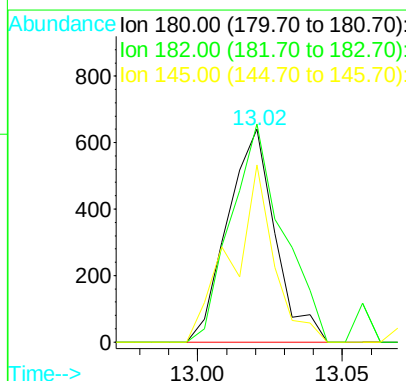
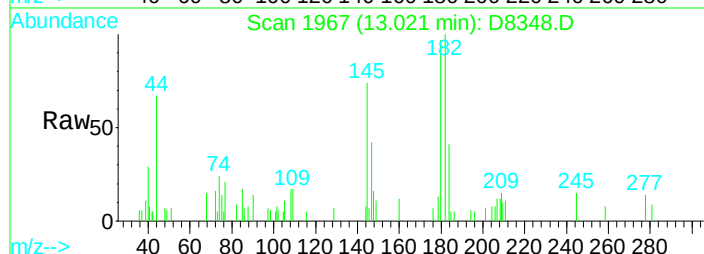
#81
Cyclohexanone
Concen: 3.38 ug/L
RT: 9.85 min Scan# 1446
Delta R.T. 0.00 min
Lab File: D8348.D
Acq: 21 Sep 2017 11:22 am

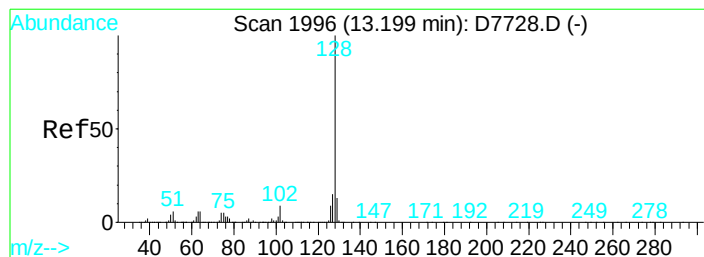
Tgt Ion	Ratio	Lower	Upper
55	100		
42	58.5	58.5	98.5#
70	33.9	2.6	42.6
98	13.6	29.4	69.4#



#105
1,2,4-Tribenzene
Concen: 0.23 ug/L
RT: 13.02 min Scan# 1967
Delta R.T. 0.00 min
Lab File: D8348.D
Acq: 21 Sep 2017 11:22 am

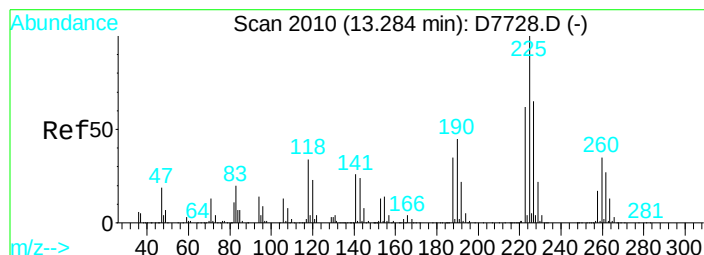
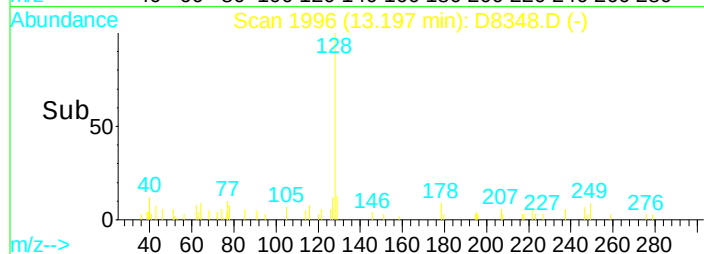
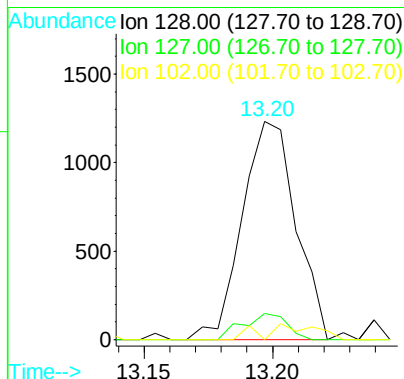
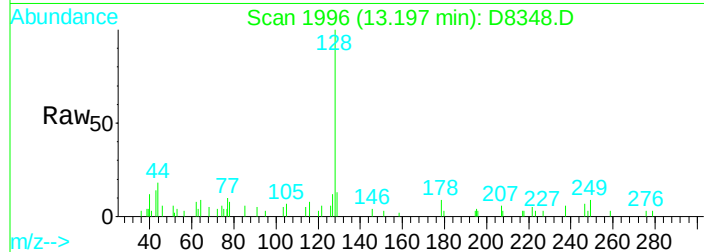
Tgt Ion	Ratio	Lower	Upper
180	100		
182	112.0	77.3	117.3
145	73.8	9.5	49.5#





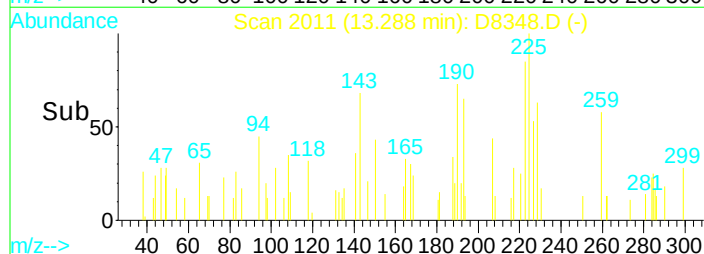
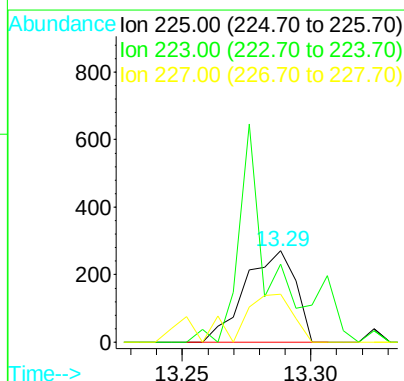
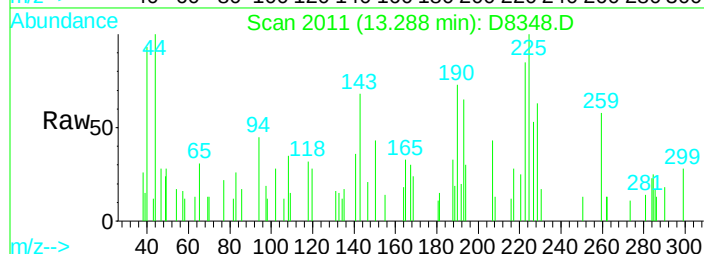
#106
Naphthalen
Concen: 0.29 ug/L
RT: 13.20 min Scan# 1996
Delta R.T. -0.00 min
Lab File: D8348.D
Acq: 21 Sep 2017 11:22 am

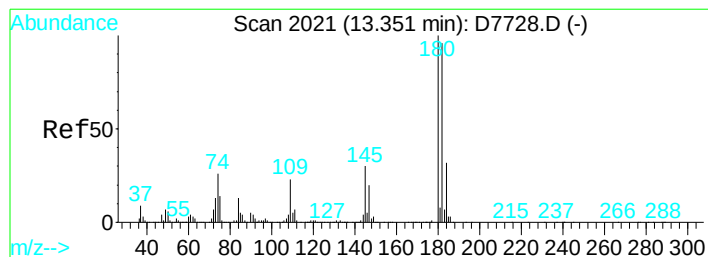
Tgt Ion:	128	Resp:	1786
Ion Ratio	Lower	Upper	
128	100		
127	9.8	0.0	35.0
102	2.7	0.0	29.4



#107
Hexachlorobt
Concen: 0.23 ug/L
RT: 13.29 min Scan# 2011
Delta R.T. 0.01 min
Lab File: D8348.D
Acq: 21 Sep 2017 11:22 am

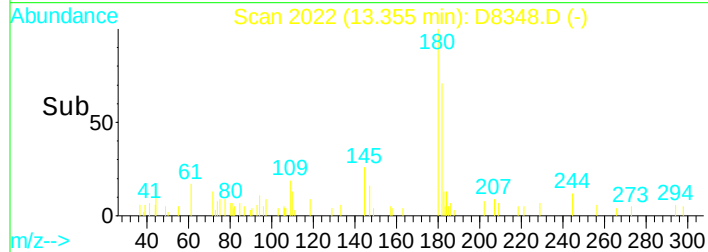
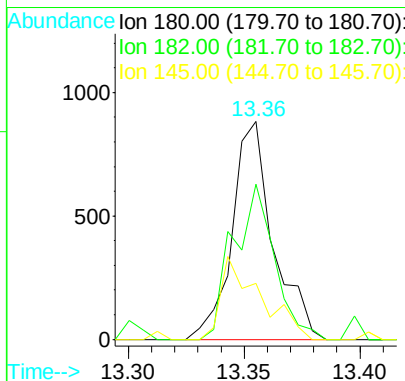
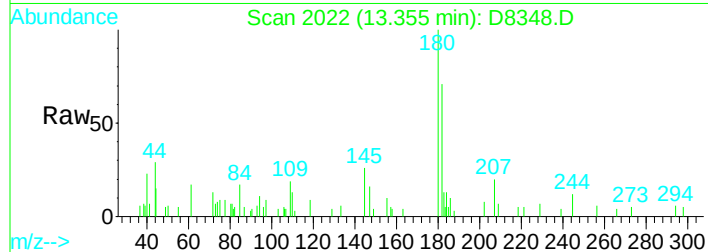
Tgt Ion:	225	Resp:	369
Ion Ratio	Lower	Upper	
225	100		
223	165.6	42.5	82.5#
227	52.8	45.8	85.8





#108
 1,2,3-Tclbenzene
 Concen: 0.39 ug/L
 RT: 13.36 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: D8348.D
 Acq: 21 Sep 2017 11:22 am

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1092		
182	71.7		76.4	116.4#
145	36.8		9.7	49.7



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D

Vial: 6

Acq On : 21 Sep 2017 9:59 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:46 2017

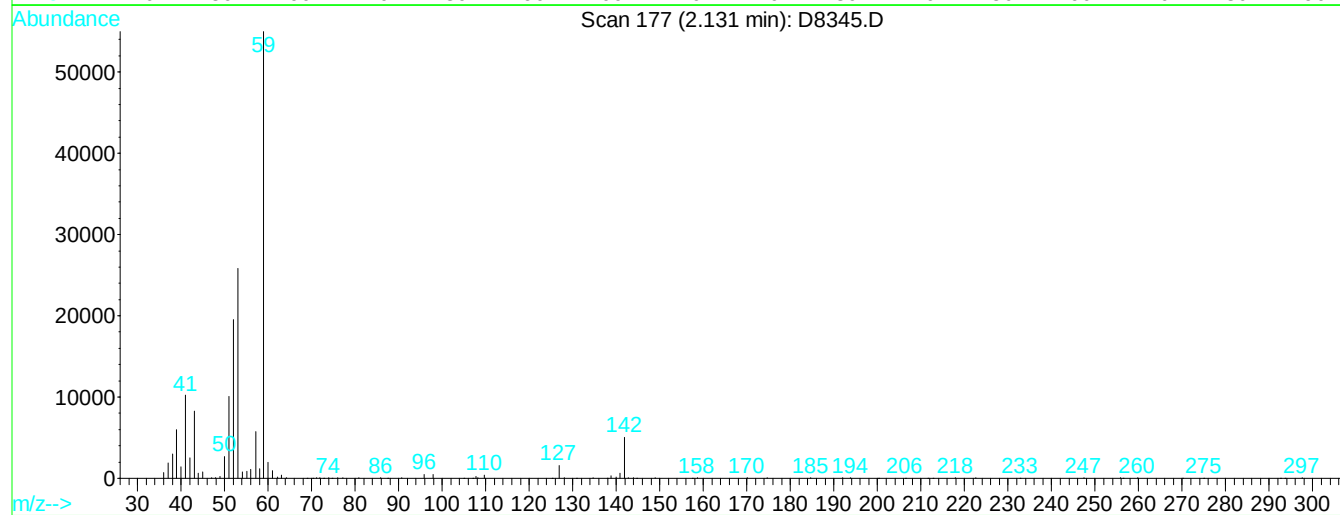
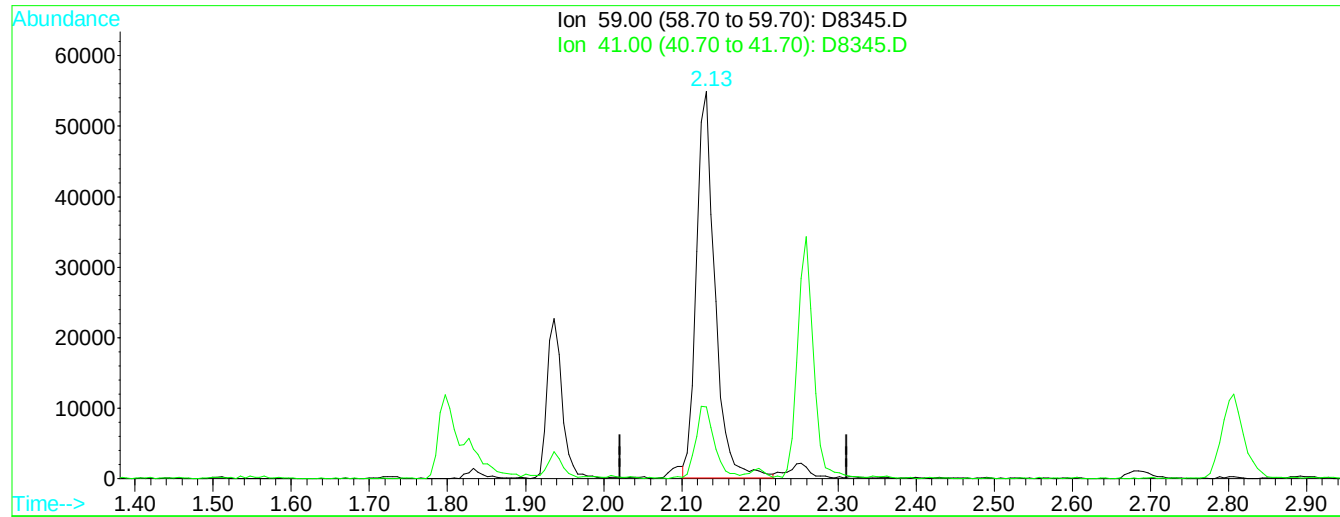
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8345.D

(18) TBA

Manual Integration:

2.13min 454.10ug/L m

After

response 90411

Poor integration.

Ion Exp% Act%

09/21/17

59.00 100 100

41.00 19.90 18.58

0.00 0.00 0.00

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D

Vial: 6

Acq On : 21 Sep 2017 9:59 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 10:16 2017

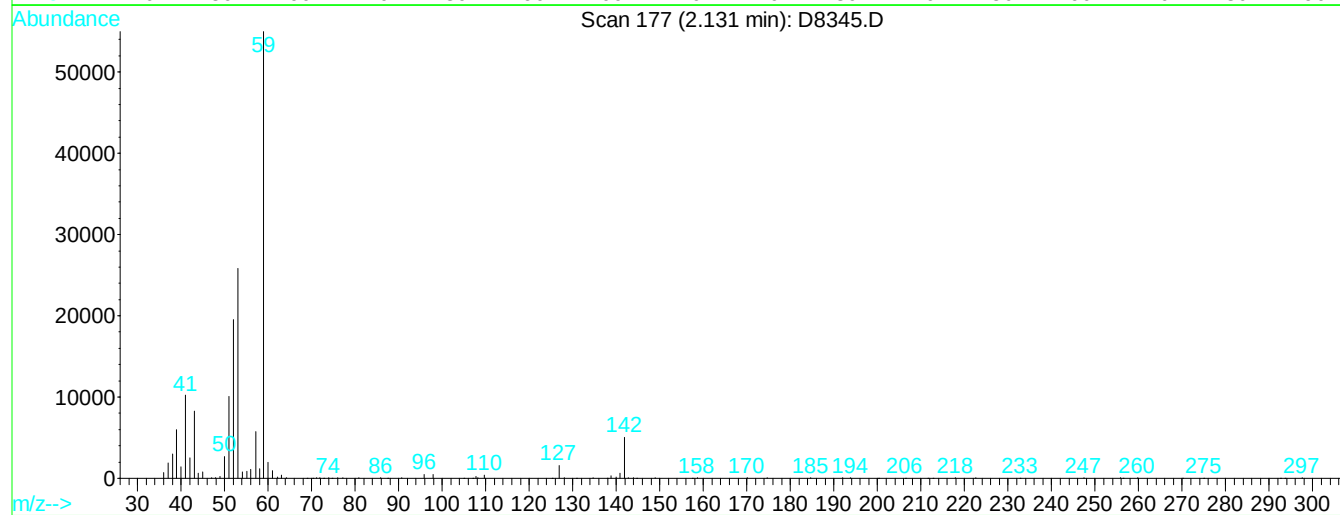
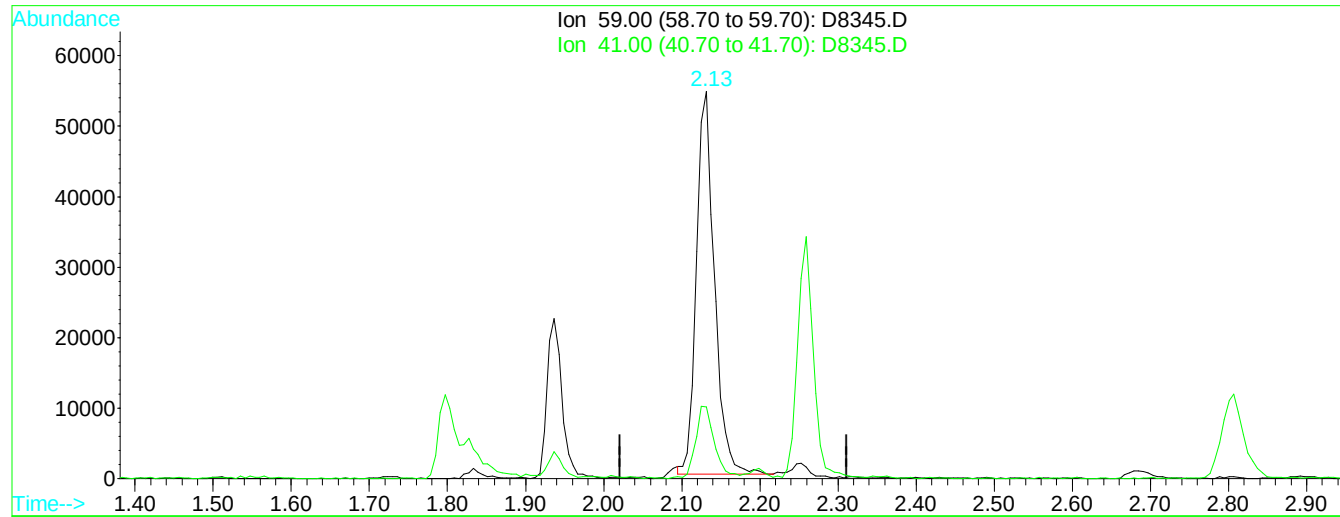
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8345.D

(18) TBA

Manual Integration:

2.13min 438.20ug/L

Before

response 87244

Ion Exp% Act%

09/21/17

59.00 100 100

41.00 19.90 18.58

0.00 0.00 0.00

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D

Vial: 6

Acq On : 21 Sep 2017 9:59 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:47 2017

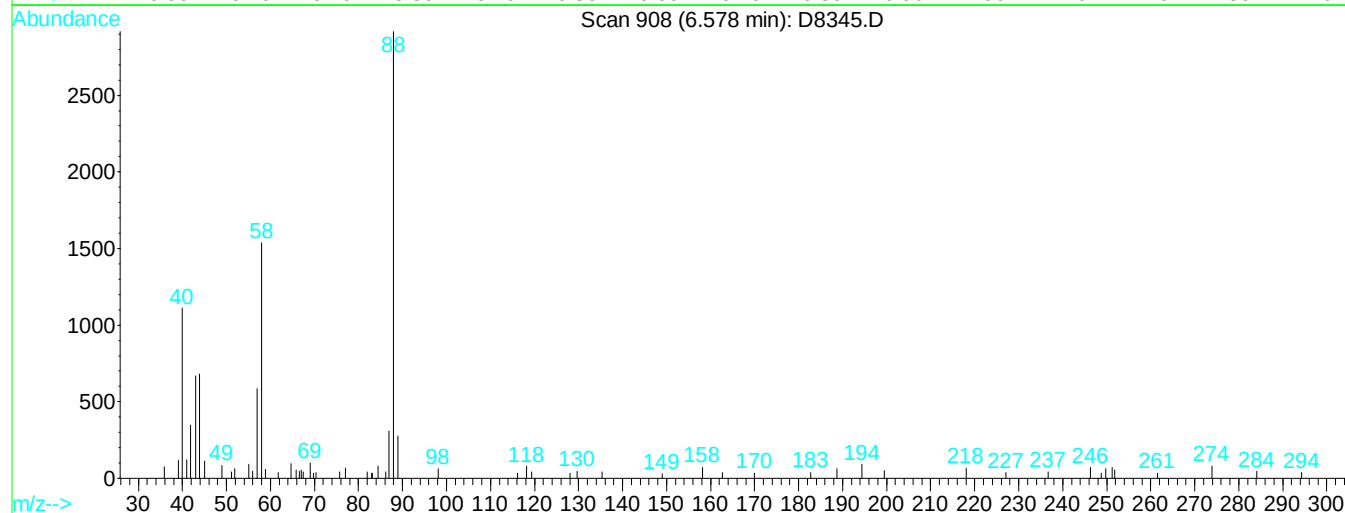
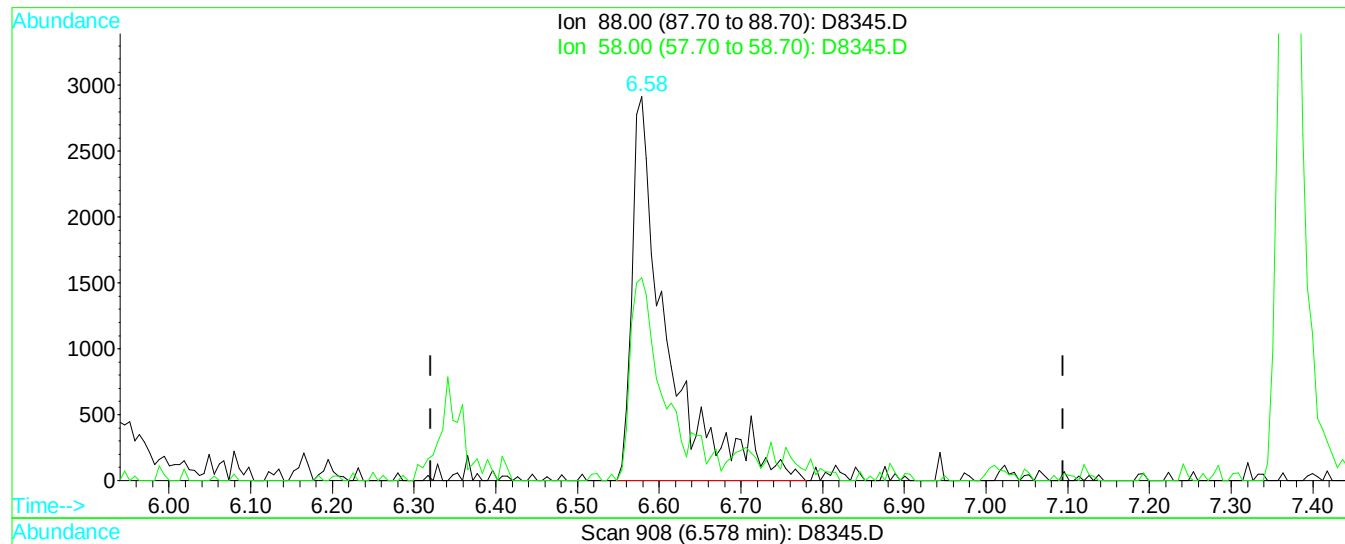
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8345.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 430.66ug/L m

After

response 8715

Split Peak.

09/21/17

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	52.74
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D

Vial: 6

Acq On : 21 Sep 2017 9:59 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:46 2017

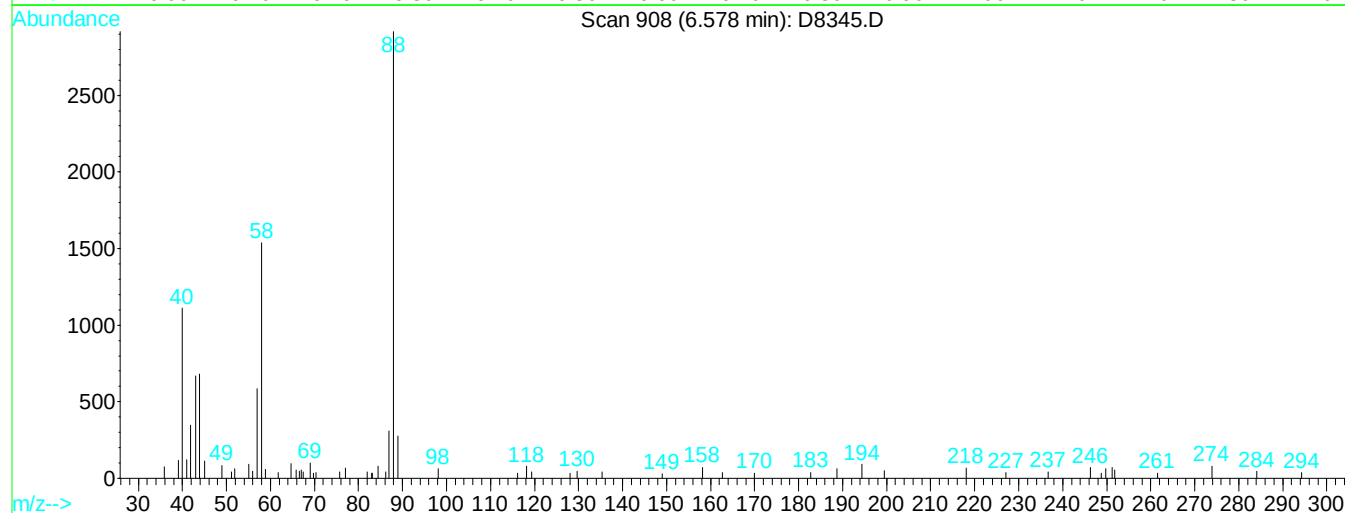
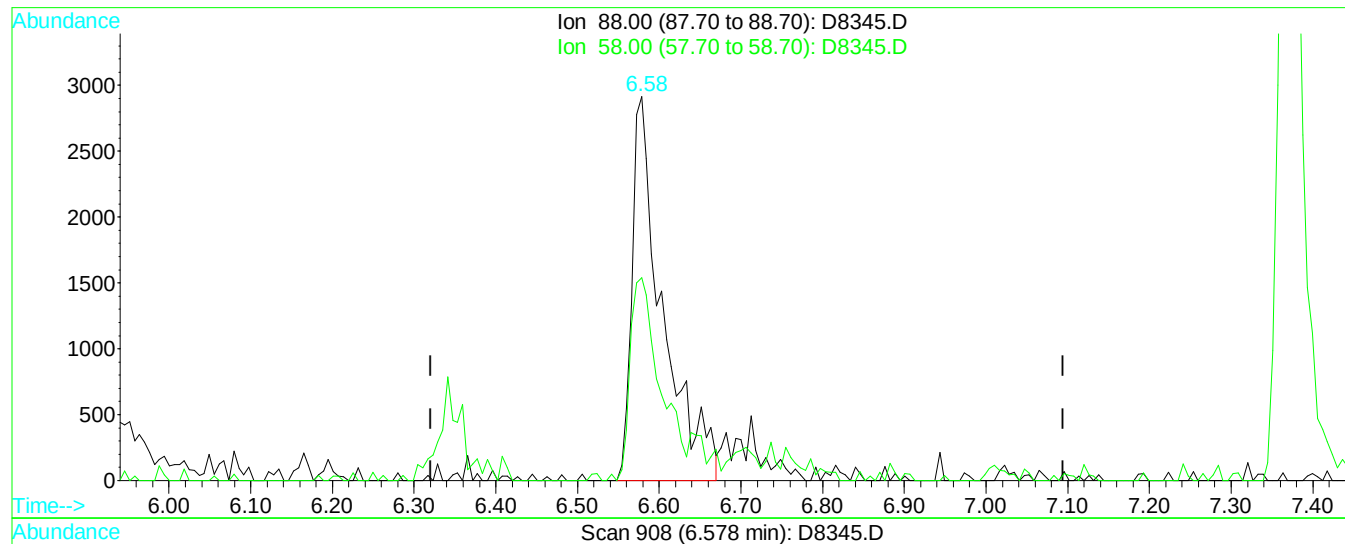
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8345.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 373.34ug/L

Before

response 7555

09/21/17

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	52.74
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D

Vial: 6

Acq On : 21 Sep 2017 9:59 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:48 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	310468	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	403127	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	183903	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	205366	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4, Dibrflmethane	3.86	113	150122	51.92	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	103.84%
43) surr1, 1,2-dichloroethane-d	4.47	65	154260	49.26	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	98.52%
65) SURR3, Toluene-d8	7.89	98	445341	54.56	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	109.12%
86) SURR2, BFB	10.25	95	178012	51.68	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.36%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.12	85	79079	17.08	ug/L	93
3) Chloromethane	1.19	50	58203	18.93	ug/L	93
4) Vinyl Chloride	1.27	62	83191	21.94	ug/L	97
5) Bromomethane	1.44	94	42003	18.38	ug/L	99
6) Chloroethane	1.50	64	37376	20.13	ug/L	94
7) Freon 21	1.54	67	108046	19.17	ug/L	100
8) Freon 123	1.71	83	74702	21.34	ug/L	97
9) Freon 123a	1.73	67	62030	22.30	ug/L	94
10) Acrolein	1.79	56	7091	28.86	ug/L	99
11) Trichlorofluoromethane	1.79	101	78719	18.58	ug/L	98
12) Acetonitrile	1.80	41	17073	101.04	ug/L	90
13) 2-Propanol	1.83	45	46578	400.84	ug/L	100
14) Acetone	1.86	43	13254	22.80	ug/L	95
15) Diethyl Ether	1.94	59	30351	20.29	ug/L	90
16) 1,1-Dicethene	2.09	96	41552	19.42	ug/L	94
17) Iodomethane	2.11	142	49795	14.32	ug/L	90
18) TBA	2.13	59	90411m	454.10	ug/L	
19) Acrylonitrile	2.14	53	73173	113.65	ug/L	92
20) Methylene Chloride	2.20	84	48595	21.38	ug/L	96
21) Freon 113	2.24	101	49785	20.37	ug/L	96
22) Methyl Acetate	2.25	43	26019	13.58	ug/L	95
23) Allyl Chloride	2.26	76	20825	23.64	ug/L	94
24) Carbon Disulfide	2.31	76	124487	19.03	ug/L	95
25) trans-1,2-Dichloroethene	2.69	96	43857	19.24	ug/L	# 85
26) Methyl-t-Butyl Ether	2.81	73	122156	20.85	ug/L	98
27) 1,1-Dicethane	2.89	63	71786	20.76	ug/L	91
28) Propionitrile	2.93	54	25392	109.44	ug/L	97
29) Vinyl Acetate	3.09	43	86304	21.01	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.25	53	61998	20.28	ug/L	98
31) 2-Butanone	3.36	43	15177	19.46	ug/L	99
32) Methacrylonitrile	3.45	67	16923	22.38	ug/L	# 78
33) cis-1,2-Dichloroethene	3.47	96	50319	20.68	ug/L	89
34) Bromochloromethane	3.64	128	28024	20.30	ug/L	91
35) Chloroform	3.71	83	84135	20.30	ug/L	98
36) 2,2-Dichloropropane	3.79	77	72313	19.13	ug/L	98
38) Tetrahydrofuran	4.13	42	11165	23.86	ug/L	77
39) 1,1,1-Trichloroethane	4.72	97	75417	18.74	ug/L	98
42) Iso-Butyl Alcohol	3.95	42	18550	411.45	ug/L	90
44) 1,2-Dichloroethane	4.59	64	19868	17.99	ug/L	94

(#)=qualifier out of range (m)=manual integration

D8345.D W082417.M Thu Sep 21 11:48:32 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D

Vial: 6

Acq On : 21 Sep 2017 9:59 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:48 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) 1,1-Dichloropropene	5.08	75	56276	19.27	ug/L	98
47) Cyclohexane	5.17	56	57786	19.27	ug/L	97
48) Carbontetrachloride	5.31	119	63244	19.49	ug/L	93
49) Benzene	5.39	78	159488	20.18	ug/L	98
51) Dibromomethane	6.17	93	32673	19.56	ug/L	97
52) 1,2-Dichloropropane	6.24	63	40020	19.83	ug/L	91
53) n-Heptane	6.35	43	41199	18.65	ug/L	91
54) Trichloroethene	6.32	130	50348	19.26	ug/L	98
55) Bromodichloromethane	6.37	83	61742	19.76	ug/L	100
56) 1,4-Dioxane	6.58	88	8715m	430.66	ug/L	
58) Methyl Methacrylate	6.75	69	27208	19.97	ug/L	95
59) Methylcyclohexane	6.90	55	45129	19.39	ug/L	95
60) 2-Chloroethylvinyl Ether	7.02	63	23026	18.20	ug/L	95
61) cis-1,3-Dichloropropene	7.17	75	67146	19.20	ug/L	99
62) 4-Methyl-2-pentanone	7.37	43	35098	19.39	ug/L	96
63) trans-1,3-Dichloropropene	7.66	75	63379	19.29	ug/L	98
64) 1,1,2-Trichloroethane	7.77	97	41185	20.71	ug/L	97
66) Toluene	7.96	91	177413	19.78	ug/L	99
68) 1,3-Dichloropropane	8.01	76	62908	20.43	ug/L	94
69) Ethyl Methacrylate	8.19	69	52262	21.03	ug/L	89
70) Dibromochloromethane	8.21	129	54666	21.62	ug/L	98
71) 2-Hexanone	8.26	43	25143	20.26	ug/L	98
72) 1,2-Dibromoethane	8.43	107	47097	21.21	ug/L	97
73) n-Butyl Acetate	8.63	43	60946	21.47	ug/L	99
74) Tetrachloroethene	8.62	164	44986	20.49	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.16	131	48866	21.29	ug/L	94
76) Chlorobenzene	9.22	112	121915	20.98	ug/L	99
77) Ethylbenzene	9.44	106	65484	21.37	ug/L	91
78) Bromoform	9.61	173	39504	23.21	ug/L	97
79) (m+p)Xylene	9.61	106	165341	43.11	ug/L	98
80) o-Xylene	9.93	106	79277	21.48	ug/L	98
81) Cyclohexanone	9.84	55	55258	781.97	ug/L	90
82) Styrene	9.88	104	132650	22.49	ug/L	98
84) trans-1,4-Dichloro-2-Butene	10.10	75	17057	19.87	ug/L	91
85) Isopropylbenzene	10.25	105	199566	21.19	ug/L	98
88) 1,1,2,2-Tetrachloroethane	9.92	83	59174	24.12	ug/L	100
89) 1,2,3-Trichloropropane	10.03	75	39285	21.22	ug/L	97
90) Bromobenzene	10.38	156	63569	20.88	ug/L	98
91) n-Propylbenzene	10.61	91	230860	21.21	ug/L	97
92) 2-Chlorotoluene	10.65	91	127347	20.11	ug/L	97
93) 4-Chlorotoluene	10.72	91	143259	21.04	ug/L	97
94) 1,3,5-Trimethylbenzene	10.87	105	156456	20.71	ug/L	100
95) tert-Butylbenzene	11.06	119	127438	19.40	ug/L	97
96) 1,2,4-Trimethylbenzene	11.17	105	159770	19.73	ug/L	99
97) sec-Butylbenzene	11.24	105	193836	20.70	ug/L	97
98) 1,3-Dichlorobenzene	11.26	146	110975	21.44	ug/L	99
99) 1,4-Dichlorobenzene	11.31	146	113567	21.65	ug/L	100
100) p-Isopropyltoluene	11.41	119	161207	20.88	ug/L	98
101) 1,2-Dichlorobenzene	11.58	146	106961	20.65	ug/L	99
102) n-Butylbenzene	11.72	91	146263	20.56	ug/L	98
103) 1,2-Dibromo-3-chloropropane	11.94	75	10497	23.23	ug/L	92
104) Nitrobenzene	12.12	77	3244	101.65	ug/L	97
105) 1,2,4-Trichlorobenzene	13.01	180	71788	20.12	ug/L	97
106) Naphthalene	13.20	128	152332	22.58	ug/L	97

(#)=qualifier out of range (m)=manual integration

D8345.D W082417.M Thu Sep 21 11:48:33 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D

Vial: 6

Acq On : 21 Sep 2017 9:59 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 11:48 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
107) Hexachlorobt	13.28	225	34148	19.54	ug/L	96
108) 1,2,3-Tclbenzene	13.35	180	66689	21.72	ug/L	100

Quantitation Report

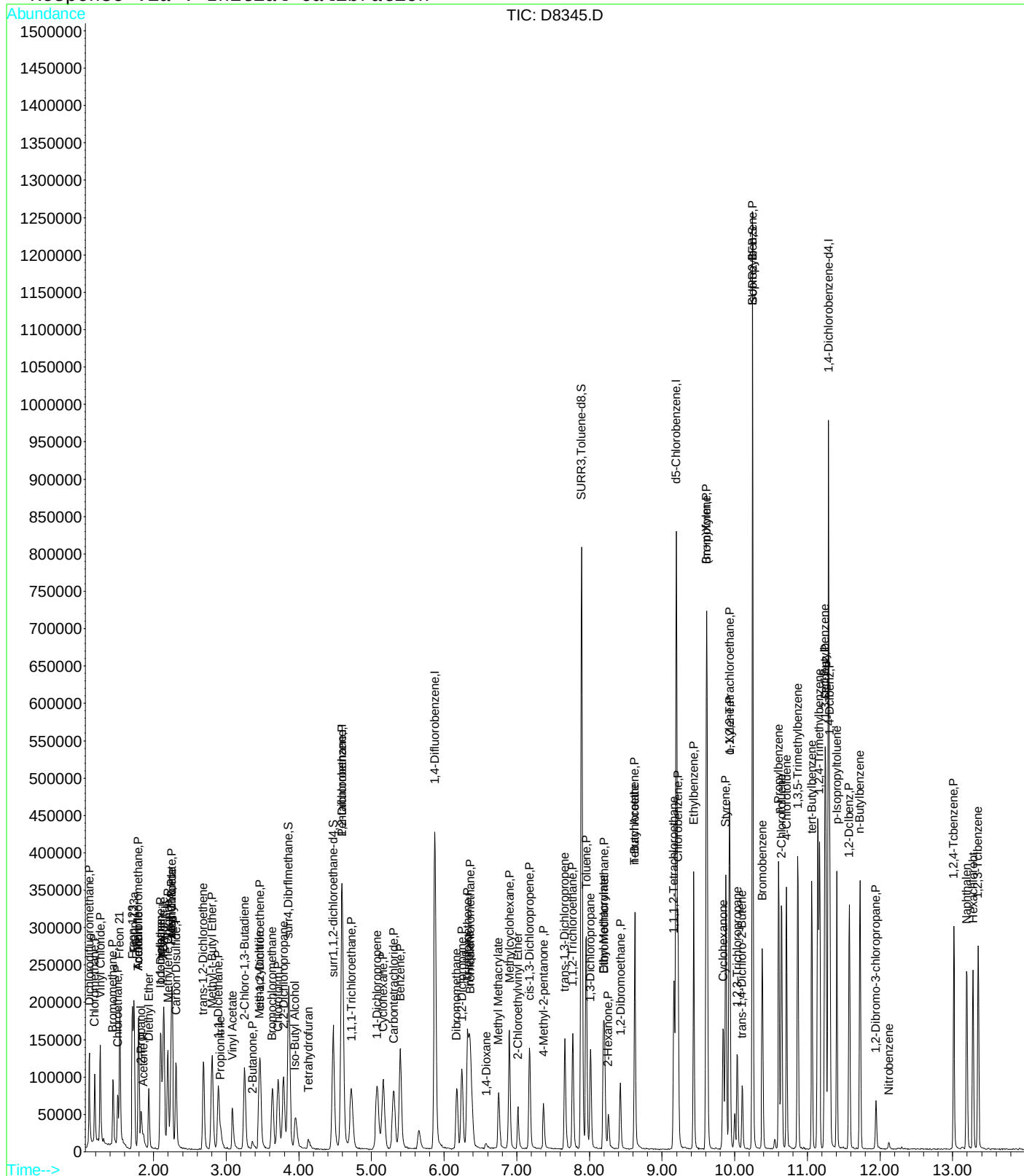
1st DL 09/24/17
2nd BA 09/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8345.D
Acq On : 21 Sep 2017 9:59 am
Sample : LCS
Misc : 8260C / 624
MS Integration Params: CPD4.P
Quant Time: Sep 21 11:48 2017

Vial: 6
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

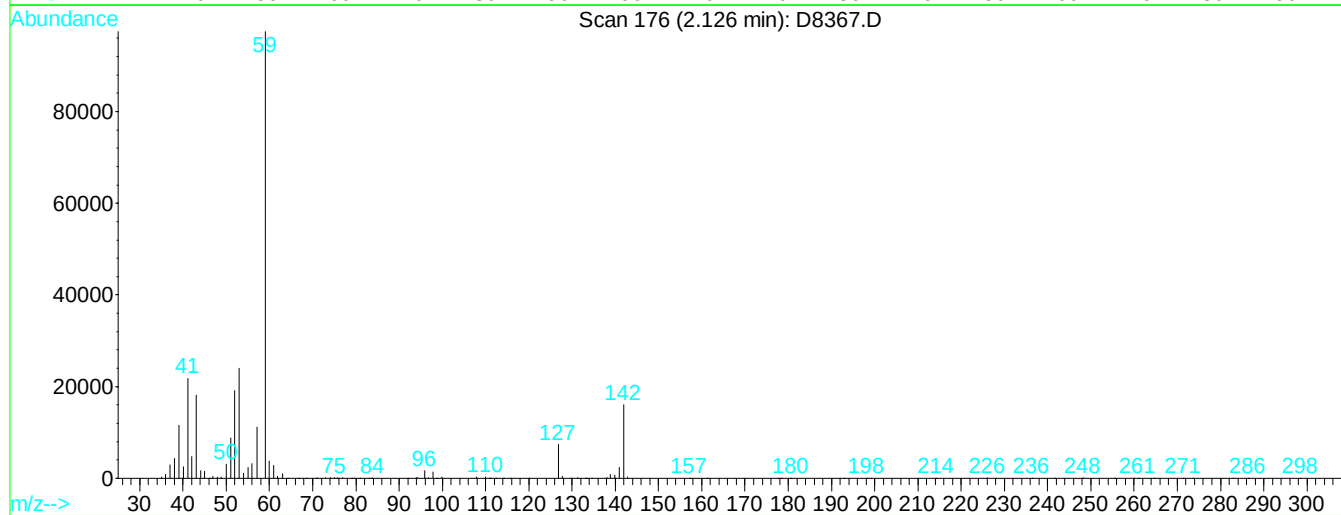
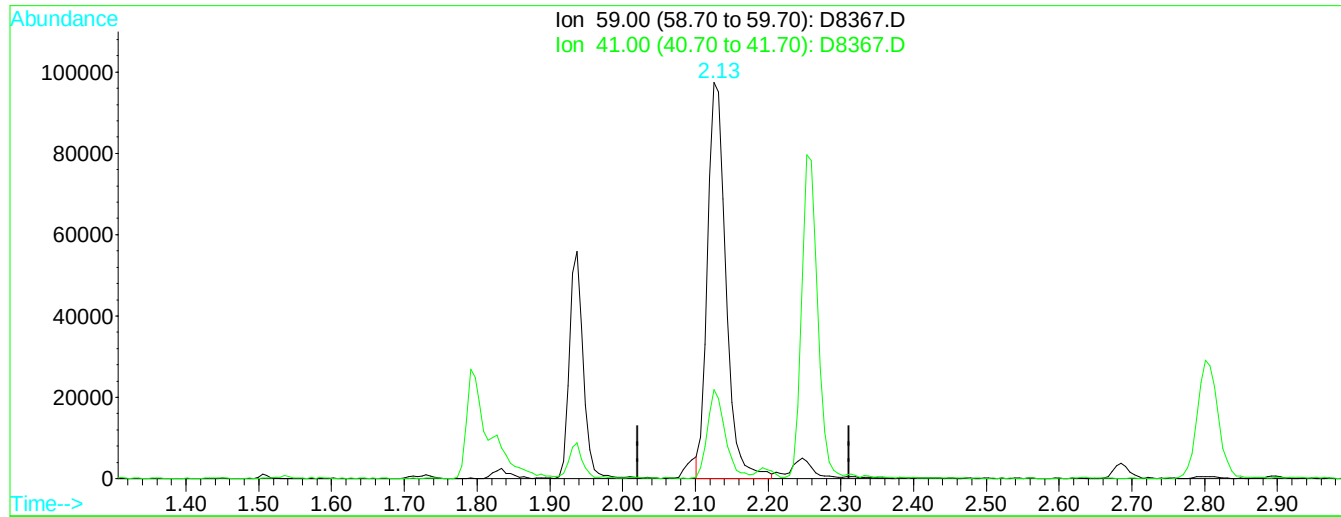
Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8367.D Vial: 28
Acq On : 21 Sep 2017 7:35 pm Operator: D.Lipani
Sample : R1708700-005MS|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 12:15 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8367.D

(18) TBA

2.13min 880.98ug/L m

response 169876

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	22.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

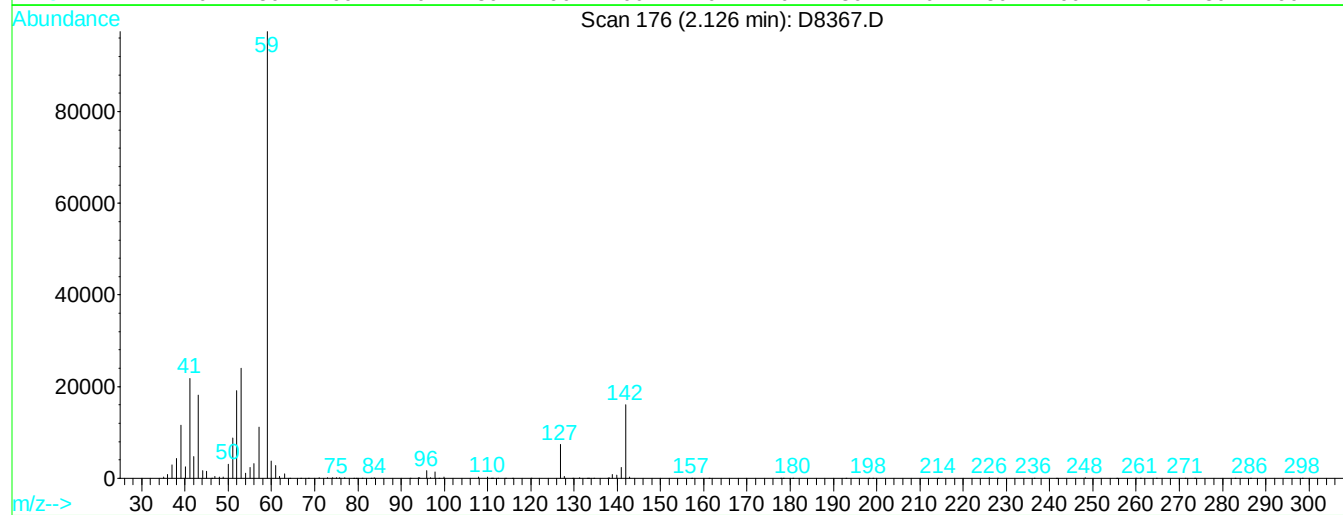
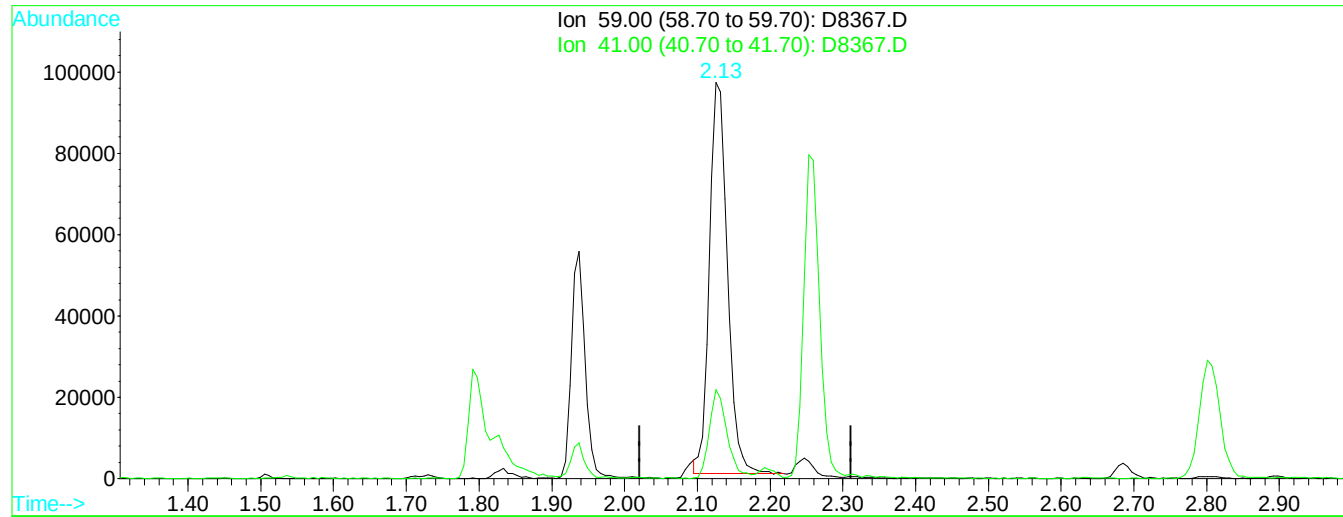
After

Poor integration.

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8367.D Vial: 28
Acq On : 21 Sep 2017 7:35 pm Operator: D.Lipani
Sample : R1708700-005MS|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 19:52 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8367.D

(18) TBA

Manual Integration:

2.13min 851.11ug/L

Before

response 164117

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	22.42
0.00	0.00	0.00
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8367.D

Vial: 28

Acq On : 21 Sep 2017 7:35 pm

Operator: D.Lipani

Sample : R1708700-005MS|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 12:16 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	300688	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	399028	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	192067	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	219616	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	147864	51.67	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	103.34%
43) surr1,1,2-dichloroethane-d	4.47	65	145635	46.98	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	93.96%
65) SURR3,Toluene-d8	7.89	98	446944	55.32	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.64%
86) SURR2,BFB	10.25	95	186392	51.81	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.62%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.12	85	184369	41.11	ug/L	98
3) Chloromethane	1.19	50	132668	44.55	ug/L	98
4) Vinyl Chloride	1.27	62	204059	55.58	ug/L	100
5) Bromomethane	1.44	94	52895	23.90	ug/L	90
6) Chloroethane	1.51	64	95607	53.16	ug/L	97
7) Freon 21	1.54	67	257124	47.10	ug/L	98
8) Freon 123	1.71	83	182704	53.89	ug/L	94
9) Freon 123a	1.73	67	151440	56.22	ug/L	98
10) Acrolein	1.78	56	24818	104.29	ug/L	98
11) Trichlorofluoromethane	1.79	101	200601	48.90	ug/L	98
12) Acetonitrile	1.79	41	39872	243.64	ug/L	94
13) 2-Propanol	1.83	45	90513	804.27	ug/L	99
14) Acetone	1.86	43	26087	46.34	ug/L	97
15) Diethyl Ether	1.94	59	72723	50.19	ug/L	93
16) 1,1-Dicethene	2.10	96	105880	51.10	ug/L	96
17) Iodomethane	2.11	142	99477	29.55	ug/L	90
18) TBA	2.13	59	169876m	880.98	ug/L	
19) Acrylonitrile	2.14	53	156528	251.02	ug/L	95
20) Methylene Chloride	2.20	84	119393	54.25	ug/L	93
21) Freon 113	2.24	101	120868	51.07	ug/L	98
22) Methyl Acetate	2.25	43	62856	33.87	ug/L	98
23) Allyl Chloride	2.26	76	53464	62.68	ug/L	90
24) Carbon Disulfide	2.31	76	312958	49.38	ug/L	99
25) trans-1,2-Dichloroethene	2.69	96	116561	52.81	ug/L	96
26) Methyl-t-Butyl Ether	2.81	73	274006	48.30	ug/L	100
27) 1,1-Dicethane	2.89	63	182477	54.49	ug/L	97
28) Propionitrile	2.92	54	57564	256.17	ug/L	98
29) Vinyl Acetate	3.09	43	191760	48.19	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.25	53	165498	55.89	ug/L	90
31) 2-Butanone	3.35	43	38344	50.77	ug/L	97
32) Methacrylonitrile	3.45	67	38922	53.14	ug/L	# 85
33) cis-1,2-Dichloroethene	3.46	96	128544	54.54	ug/L	99
34) Bromochloromethane	3.63	128	70399	52.65	ug/L	98
35) Chloroform	3.71	83	213675	53.22	ug/L	95
36) 2,2-Dichloropropane	3.79	77	183171	50.04	ug/L	98
38) Tetrahydrofuran	4.13	42	23476	51.80	ug/L	81
39) 1,1,1-Trichloroethane	4.72	97	194457	49.89	ug/L	95
42) Iso-Butyl Alcohol	3.96	42	38785	869.11	ug/L	# 84
44) 1,2-Dichloroethane	4.59	64	51525	47.13	ug/L	91

(#)=qualifier out of range (m)=manual integration

D8367.D W082417.M Sun Sep 24 12:17:03 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8367.D

Vial: 28

Acq On : 21 Sep 2017 7:35 pm

Operator: D.Lipani

Sample : R1708700-005MS|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 12:16 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) 1,1-Dichloropropene	5.08	75	148336	51.31	ug/L	96
47) Cyclohexane	5.16	56	150495	50.70	ug/L	93
48) Carbontetrachloride	5.31	119	161573	50.30	ug/L	95
49) Benzene	5.39	78	398864	51.00	ug/L	99
51) Dibromomethane	6.17	93	80218	48.51	ug/L	99
52) 1,2-Dicloropropane	6.24	63	103450	51.78	ug/L	94
53) n-Heptane	6.34	43	112859	51.61	ug/L	94
54) Trichloroethene	6.32	130	135535	52.38	ug/L	99
55) Bromodichloromethane	6.37	83	160050	51.74	ug/L	99
56) 1,4-Dioxane	6.57	88	18312	914.21	ug/L	84
58) Methyl Methacrylate	6.75	69	66652	49.43	ug/L	94
59) Methylcyclohexane	6.90	55	123005	53.38	ug/L	96
61) cis-1,3-Dichloropropene	7.17	75	175502	50.69	ug/L	97
62) 4-Methyl-2-pentanone	7.37	43	80045	44.69	ug/L	97
63) trans-1,3-Dichloropropene	7.66	75	158601	48.77	ug/L	98
64) 1,1,2-Trichloroethane	7.77	97	106423	54.07	ug/L	98
66) Toluene	7.96	91	442502	49.84	ug/L	100
68) 1,3-Dichloropropane	8.01	76	154285	47.98	ug/L	95
69) Ethyl Methacrylate	8.19	69	127841	49.25	ug/L	93
70) Dibromochloromethane	8.21	129	139529	52.83	ug/L	98
71) 2-Hexanone	8.26	43	58238	44.93	ug/L	97
72) 1,2-Dibromoethane	8.43	107	119215	51.41	ug/L	95
73) n-Butyl Acetate	8.63	43	139696	47.11	ug/L	98
74) Tetrachloroethene	8.62	164	118063	51.49	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.16	131	123531	51.54	ug/L	98
76) Chlorobenzene	9.22	112	305220	50.29	ug/L	99
77) Ethylbenzene	9.44	106	166533	52.04	ug/L	99
78) Bromoform	9.61	173	104204	58.61	ug/L	98
79) (m+p)Xylene	9.61	106	404537	100.99	ug/L	96
80) o-Xylene	9.94	106	208476	54.08	ug/L	98
81) Cyclohexanone	9.84	55	52849	716.09	ug/L	94
82) Styrene	9.88	104	309479	50.24	ug/L	98
84) trans-1,4-Dichloro-2-Buten	10.10	75	39911	44.53	ug/L	92
85) Isopropylbenzene	10.25	105	479606	48.77	ug/L	98
88) 1,1,2,2-Tetrachloroethane	9.92	83	141091	53.78	ug/L	98
89) 1,2,3-Trichloropropane	10.04	75	94640	47.79	ug/L	98
90) Bromobenzene	10.39	156	163625	50.25	ug/L	100
91) n-Propylbenzene	10.61	91	554252	47.61	ug/L	98
92) 2-Chlorotoluene	10.65	91	323049	47.71	ug/L	100
93) 4-Chlorotoluene	10.72	91	356208	48.92	ug/L	99
94) 1,3,5-Trimethylbenzene	10.87	105	405194	50.16	ug/L	99
95) tert-Butylbenzene	11.06	119	342255	48.72	ug/L	100
96) 1,2,4-Trimethylbenzene	11.17	105	403475	46.58	ug/L	98
97) sec-Butylbenzene	11.24	105	505850	50.51	ug/L	100
98) 1,3-Dclbenz	11.26	146	283012	51.12	ug/L	99
99) 1,4-Dclbenz	11.31	146	283510	50.54	ug/L	98
100) p-Isopropyltoluene	11.41	119	413751	50.12	ug/L	98
101) 1,2-Dclbenz	11.58	146	270586	48.85	ug/L	99
102) n-Butylbenzene	11.73	91	390098	51.28	ug/L	97
103) 1,2-Dibromo-3-chloropropan	11.94	75	23352	48.33	ug/L	92
104) Nitrobenzene	12.12	77	6243	182.94	ug/L	91
105) 1,2,4-Tcbenzene	13.01	180	188582	49.43	ug/L	100
106) Naphthalen	13.20	128	335306	46.49	ug/L	99
107) Hexachlorobt	13.28	225	96906	51.85	ug/L	97

(#)=qualifier out of range (m)=manual integration

D8367.D W082417.M Sun Sep 24 12:17:04 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8367.D Vial: 28
Acq On : 21 Sep 2017 7:35 pm Operator: D.Lipani
Sample : R1708700-005MS|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 12:16 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
108) 1,2,3-Tclbenzene	13.35	180	167141	50.91 ug/L	100

Quantitation Report

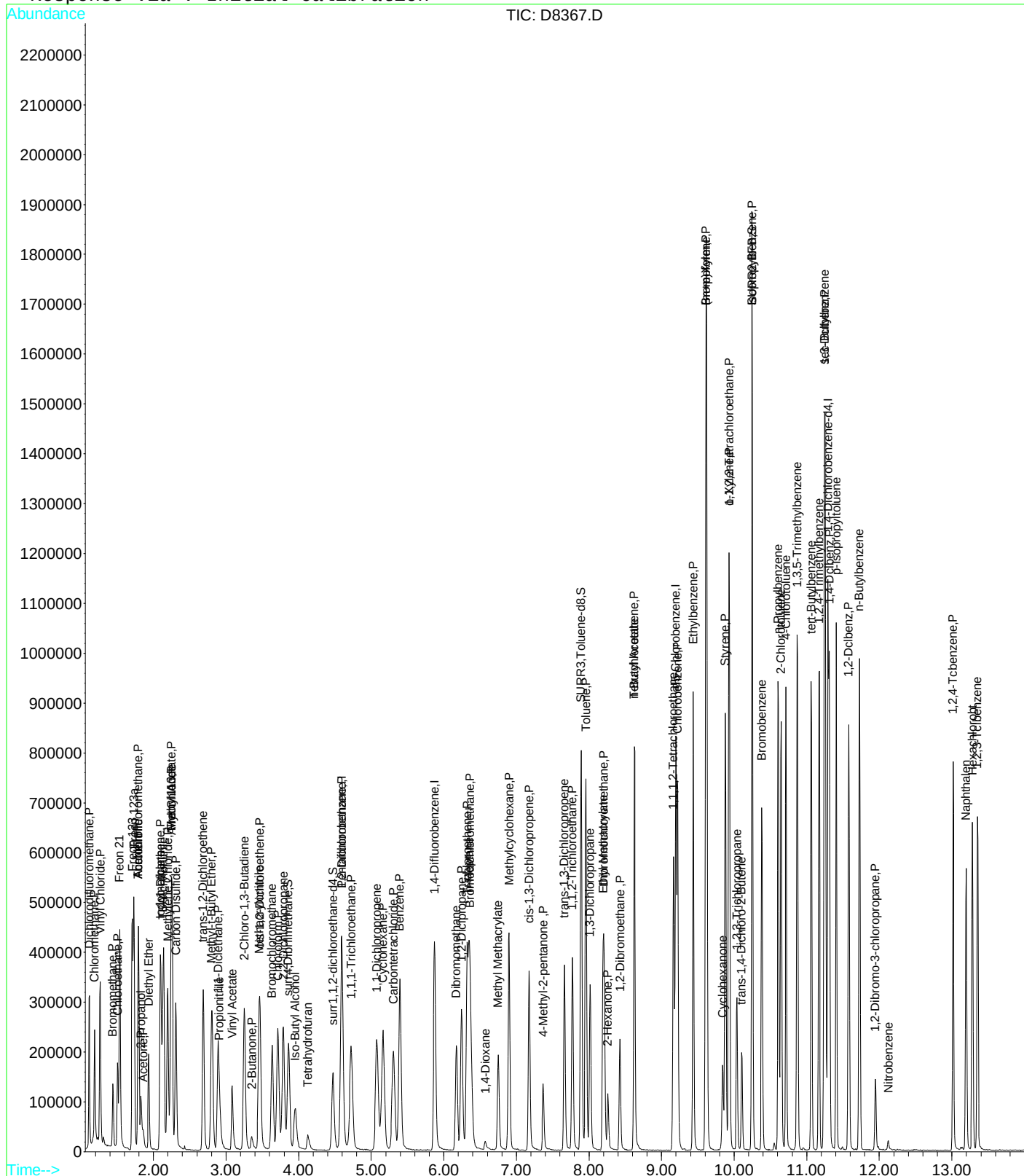
1st DL 09/24/17
2nd BA 09/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8367.D
Acq On : 21 Sep 2017 7:35 pm
Sample : R1708700-005MS|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 12:16 2017

Vial: 28
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

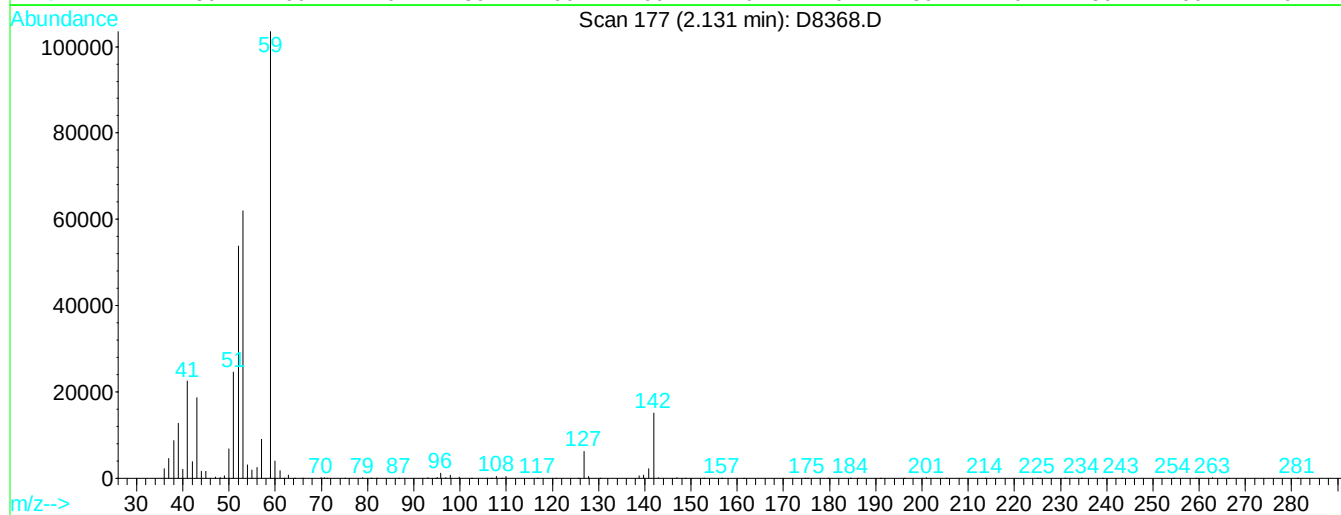
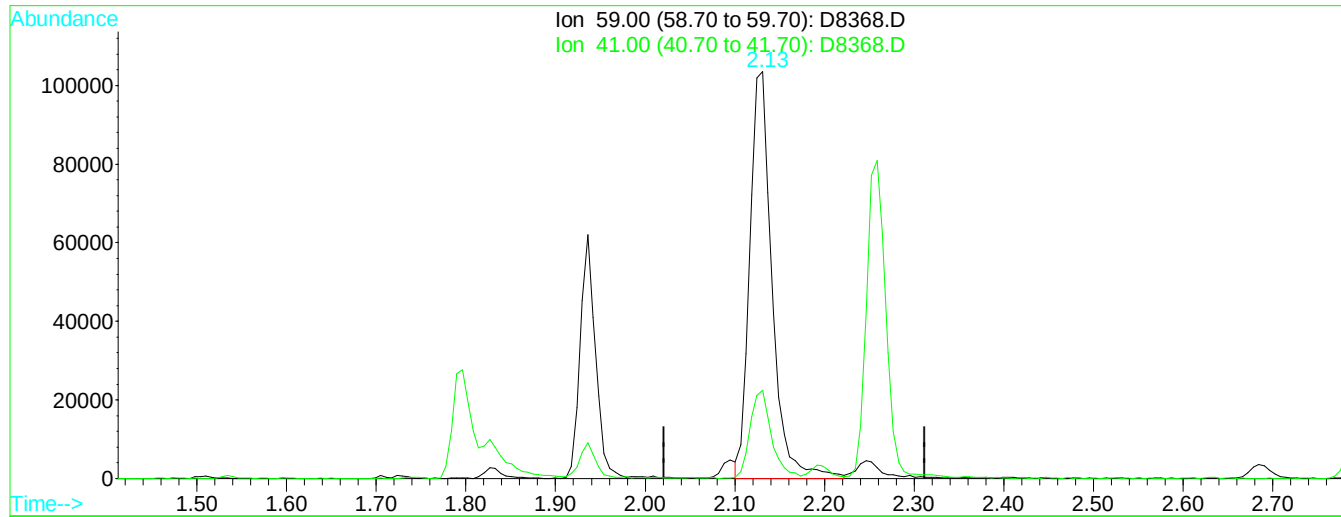
Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D Vial: 29
Acq On : 21 Sep 2017 8:00 pm Operator: D.Lipani
Sample : R1708700-005DMS|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 12:18 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8368.D

(18) TBA

Manual Integration:

2.13min 907.09ug/L m

After

response 178739

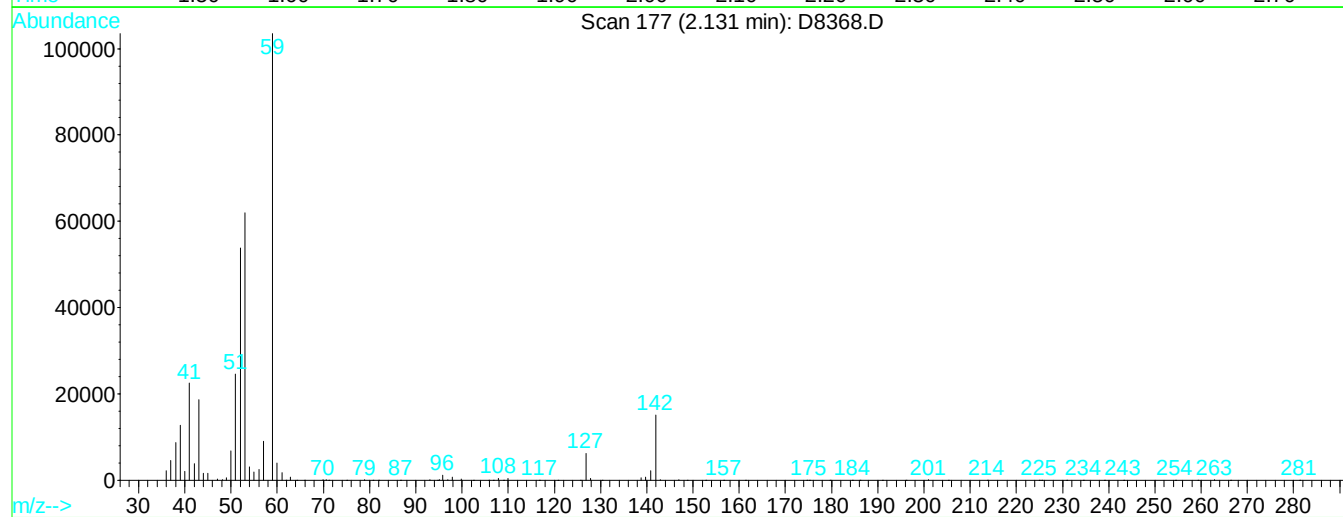
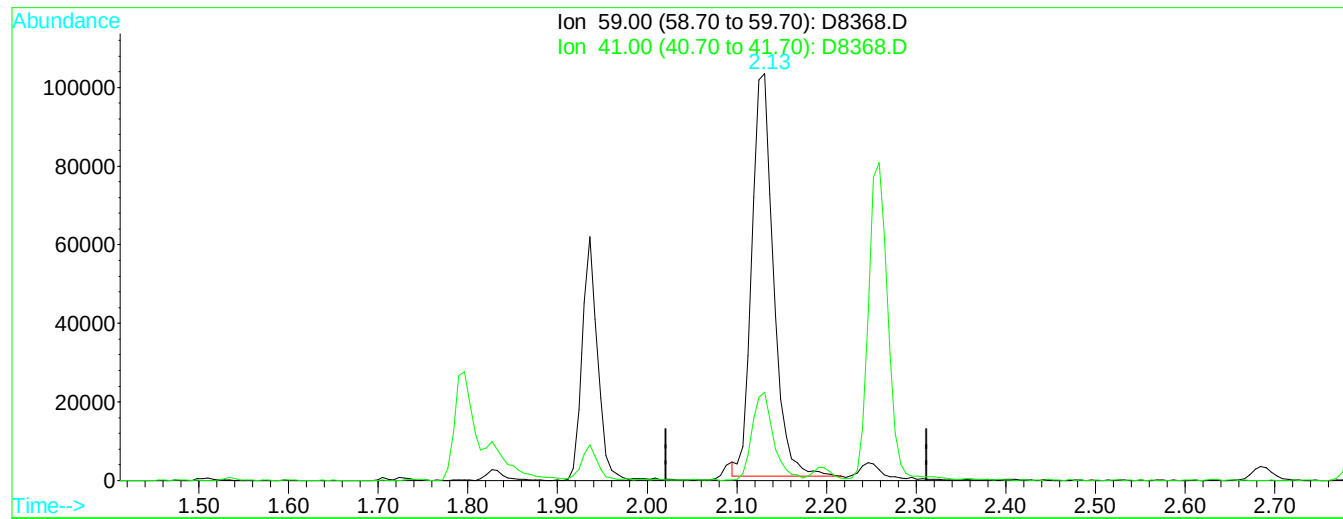
Poor integration.

09/24/17

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	21.76
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D Vial: 29
Acq On : 21 Sep 2017 8:00 pm Operator: D.Lipani
Sample : R1708700-005DMS|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 20:17 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8368.D

(18) TBA

Manual Integration:

2.13min 871.54ug/L

Before

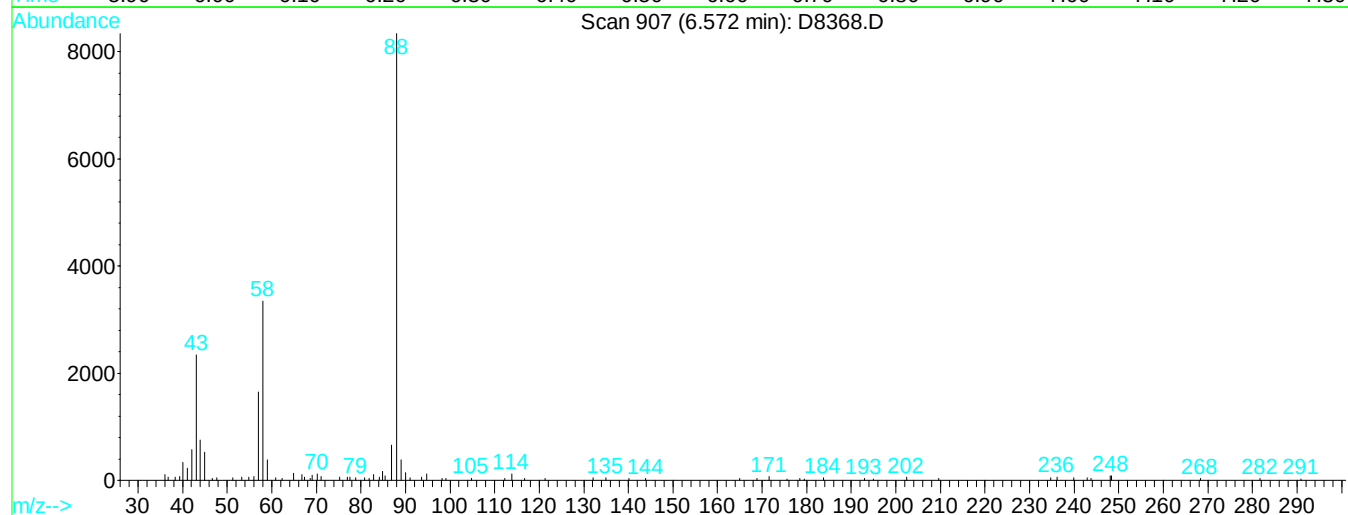
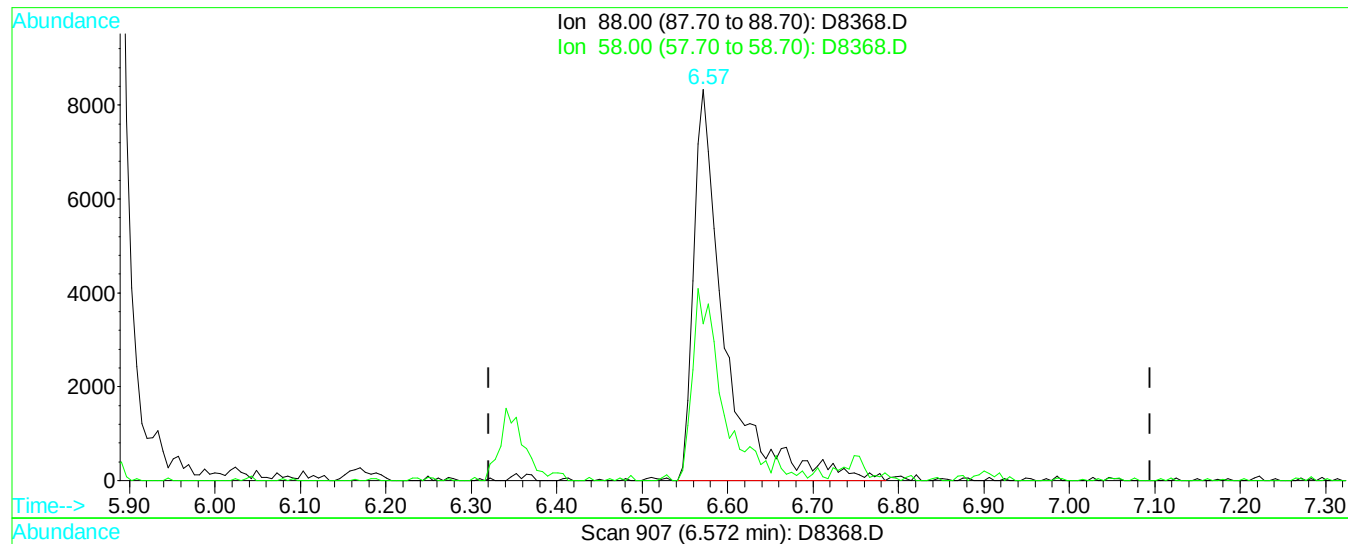
response 171733

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	21.76
0.00	0.00	0.00
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D Vial: 29
Acq On : 21 Sep 2017 8:00 pm Operator: D.Lipani
Sample : R1708700-005DMS|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 12:19 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Single Level Calibration



TIC: D8368.D

(56) 1,4-Dioxane

Manual Integration:

6.57min 1044.49ug/L m

After

response 21140

Split Peak.

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	40.16
0.00	0.00	0.00
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D

Vial: 29

Acq On : 21 Sep 2017 8:00 pm

Operator: D.Lipani

Sample : R1708700-005DMS|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 12:18 2017

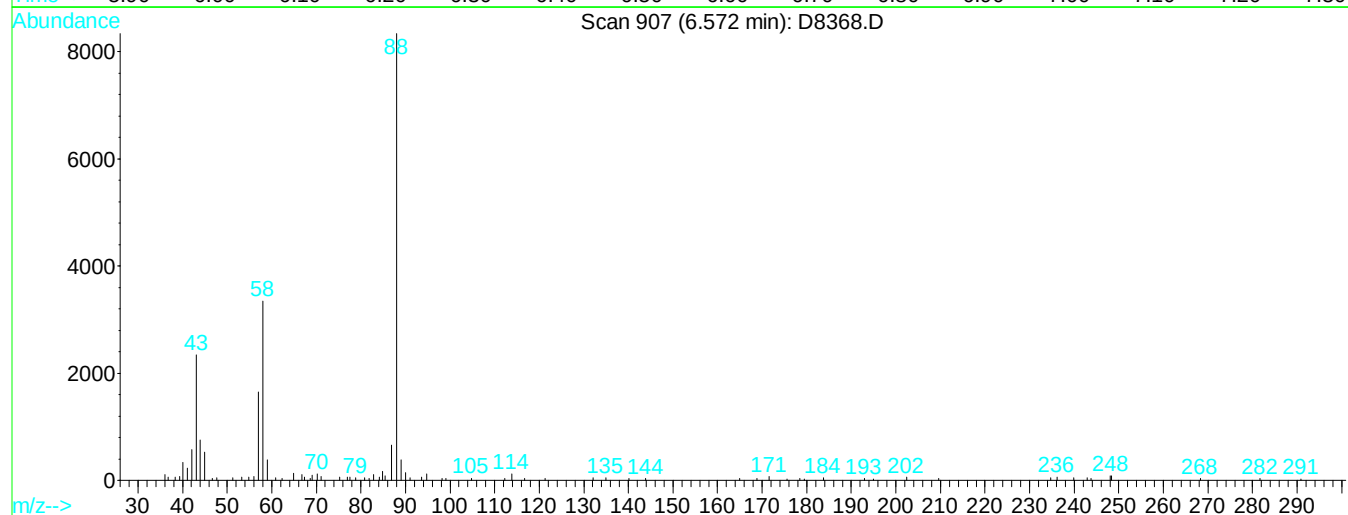
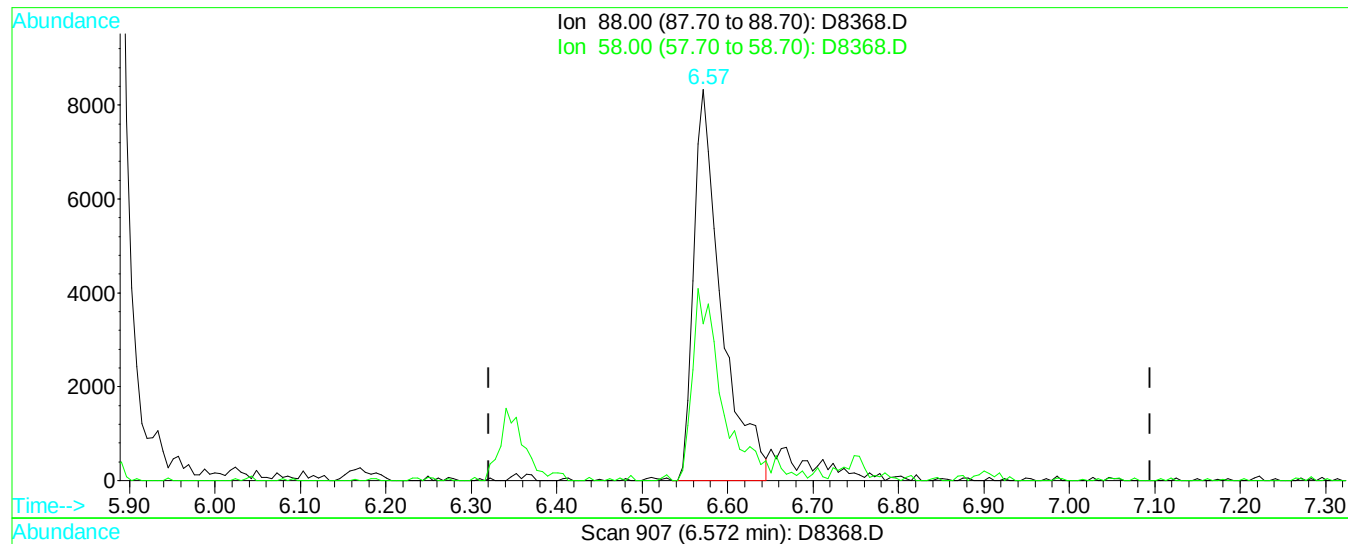
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8368.D

(56) 1,4-Dioxane

Manual Integration:

6.57min 920.68ug/L

Before

response 18634

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	40.16
0.00	0.00	0.00
0.00	0.00	0.00

09/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D

Vial: 29

Acq On : 21 Sep 2017 8:00 pm

Operator: D.Lipani

Sample : R1708700-005DMS|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 12:19 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	307268	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	403193	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	197619	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	224145	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	147426	50.98	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.96%
43) surr1,1,2-dichloroethane-d	4.47	65	149813	47.83	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	95.66%
65) SURR3,Toluene-d8	7.89	98	440018	53.90	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	107.80%
86) SURR2,BFB	10.25	95	189803	51.28	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	102.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	185490	40.47	ug/L	97
3) Chloromethane	1.19	50	133344	43.82	ug/L	99
4) Vinyl Chloride	1.27	62	211266	56.31	ug/L	95
5) Bromomethane	1.44	94	78487	34.71	ug/L	99
6) Chloroethane	1.51	64	92932	50.56	ug/L	94
7) Freon 21	1.53	67	262796	47.11	ug/L	98
8) Freon 123	1.71	83	190295	54.93	ug/L	98
9) Freon 123a	1.73	67	155385	56.45	ug/L	99
10) Acrolein	1.79	56	24361	100.18	ug/L	95
11) Trichlorofluoromethane	1.79	101	199281	47.53	ug/L	99
12) Acetonitrile	1.80	41	40014	239.27	ug/L	94
13) 2-Propanol	1.83	45	98317	854.91	ug/L	99
14) Acetone	1.86	43	26176	45.51	ug/L	91
15) Diethyl Ether	1.94	59	73755	49.81	ug/L	96
16) 1,1-Dicethene	2.09	96	103797	49.02	ug/L	96
17) Iodomethane	2.11	142	152876	44.44	ug/L	89
18) TBA	2.13	59	178739m	907.09	ug/L	
19) Acrylonitrile	2.14	53	155973	244.78	ug/L	97
20) Methylene Chloride	2.20	84	119731	53.23	ug/L	94
21) Freon 113	2.24	101	120641	49.88	ug/L	98
22) Methyl Acetate	2.25	43	65403	34.49	ug/L	98
23) Allyl Chloride	2.26	76	54721	62.78	ug/L	# 86
24) Carbon Disulfide	2.31	76	308445	47.63	ug/L	99
25) trans-1,2-Dichloroethene	2.68	96	114633	50.82	ug/L	94
26) Methyl-t-Butyl Ether	2.81	73	272267	46.97	ug/L	95
27) 1,1-Dicethane	2.89	63	186564	54.52	ug/L	98
28) Propionitrile	2.92	54	59613	259.61	ug/L	97
29) Vinyl Acetate	3.09	43	184848	45.46	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.25	53	161524	53.38	ug/L	93
31) 2-Butanone	3.35	43	35279	45.71	ug/L	93
32) Methacrylonitrile	3.45	67	39742	53.10	ug/L	# 80
33) cis-1,2-Dichloroethene	3.46	96	131343	54.53	ug/L	94
34) Bromochloromethane	3.63	128	68228	49.93	ug/L	97
35) Chloroform	3.71	83	215618	52.56	ug/L	93
36) 2,2-Dichloropropane	3.79	77	179373	47.95	ug/L	96
38) Tetrahydrofuran	4.13	42	23382	50.48	ug/L	88
39) 1,1,1-Trichloroethane	4.72	97	189633	47.61	ug/L	97
42) Iso-Butyl Alcohol	3.96	42	38873	862.09	ug/L	98
44) 1,2-Dichloroethane	4.59	64	49685	44.98	ug/L	92

(#)=qualifier out of range (m)=manual integration

D8368.D W082417.M Sun Sep 24 12:20:24 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D

Vial: 29

Acq On : 21 Sep 2017 8:00 pm

Operator: D.Lipani

Sample : R1708700-005DMS|1.0

Inst : MS#6

Misc : Verina 8260C 6646 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 24 12:19 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) 1,1-Dichloropropene	5.08	75	152237	52.12	ug/L	96
47) Cyclohexane	5.16	56	154826	51.62	ug/L	99
48) Carbontetrachloride	5.31	119	163027	50.22	ug/L	98
49) Benzene	5.40	78	395946	50.10	ug/L	99
51) Dibromomethane	6.17	93	78665	47.08	ug/L	98
52) 1,2-Dicloropropane	6.24	63	105302	52.17	ug/L	97
53) n-Heptane	6.35	43	112840	51.07	ug/L	88
54) Trichloroethene	6.32	130	137930	52.75	ug/L	99
55) Bromodichloromethane	6.36	83	160864	51.47	ug/L	99
56) 1,4-Dioxane	6.57	88	21140m	1044.49	ug/L	
58) Methyl Methacrylate	6.75	69	67456	49.51	ug/L	97
59) Methylcyclohexane	6.89	55	125932	54.09	ug/L	96
61) cis-1,3-Dichloropropene	7.18	75	176147	50.35	ug/L	97
62) 4-Methyl-2-pentanone	7.37	43	80960	44.73	ug/L	96
63) trans-1,3-Dichloropropene	7.66	75	160578	48.87	ug/L	99
64) 1,1,2-Trichloroethane	7.77	97	103498	52.04	ug/L	97
66) Toluene	7.96	91	448228	49.96	ug/L	98
68) 1,3-Dichloropropane	8.01	76	153454	46.38	ug/L	94
69) Ethyl Methacrylate	8.20	69	130261	48.78	ug/L	93
70) Dibromochloromethane	8.21	129	140320	51.64	ug/L	99
71) 2-Hexanone	8.26	43	56678	42.50	ug/L	94
72) 1,2-Dibromoethane	8.43	107	119043	49.89	ug/L	100
73) n-Butyl Acetate	8.63	43	141538	46.39	ug/L	98
74) Tetrachloroethene	8.63	164	117549	49.82	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.16	131	123450	50.06	ug/L	95
76) Chlorobenzene	9.22	112	307152	49.19	ug/L	99
77) Ethylbenzene	9.44	106	167298	50.81	ug/L	97
78) Bromoform	9.61	173	106652	58.30	ug/L	98
79) (m+p)Xylene	9.61	106	415876	100.90	ug/L	96
80) o-Xylene	9.94	106	206748	52.13	ug/L	99
81) Cyclohexanone	9.84	55	59565	784.42	ug/L	95
82) Styrene	9.87	104	319405	50.40	ug/L	99
84) trans-1,4-Dichloro-2-Buten	10.11	75	41815	45.34	ug/L	93
85) Isopropylbenzene	10.25	105	492082	48.63	ug/L	98
88) 1,1,2,2-Tetrachloroethane	9.92	83	143040	53.42	ug/L	98
89) 1,2,3-Trichloropropane	10.04	75	97614	48.30	ug/L	98
90) Bromobenzene	10.39	156	170287	51.24	ug/L	100
91) n-Propylbenzene	10.60	91	565224	47.57	ug/L	98
92) 2-Chlorotoluene	10.65	91	334733	48.44	ug/L	99
93) 4-Chlorotoluene	10.71	91	369068	49.66	ug/L	98
94) 1,3,5-Trimethylbenzene	10.87	105	402726	48.84	ug/L	99
95) tert-Butylbenzene	11.06	119	357374	49.84	ug/L	99
96) 1,2,4-Trimethylbenzene	11.16	105	416542	47.12	ug/L	99
97) sec-Butylbenzene	11.24	105	514646	50.35	ug/L	99
98) 1,3-Dclbenz	11.26	146	287507	50.88	ug/L	99
99) 1,4-Dclbenz	11.31	146	291834	50.97	ug/L	99
100) p-Isopropyltoluene	11.41	119	433621	51.47	ug/L	99
101) 1,2-Dclbenz	11.58	146	271989	48.12	ug/L	98
102) n-Butylbenzene	11.72	91	404365	52.08	ug/L	98
103) 1,2-Dibromo-3-chloropropan	11.94	75	24451	49.59	ug/L	97
104) Nitrobenzene	12.12	77	7091	203.59	ug/L	94
105) 1,2,4-Tcbenzene	13.01	180	195500	50.21	ug/L	98
106) Naphthalen	13.20	128	342227	46.49	ug/L	100
107) Hexachlorobt	13.28	225	98542	51.66	ug/L	98

(#)=qualifier out of range (m)=manual integration

D8368.D W082417.M Sun Sep 24 12:20:25 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D Vial: 29
Acq On : 21 Sep 2017 8:00 pm Operator: D.Lipani
Sample : R1708700-005DMS|1.0 Inst : MS#6
Misc : Verina 8260C 6646 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 24 12:19 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
108) 1,2,3-Tclbenzene	13.35	180	175665	52.43 ug/L	98

Quantitation Report

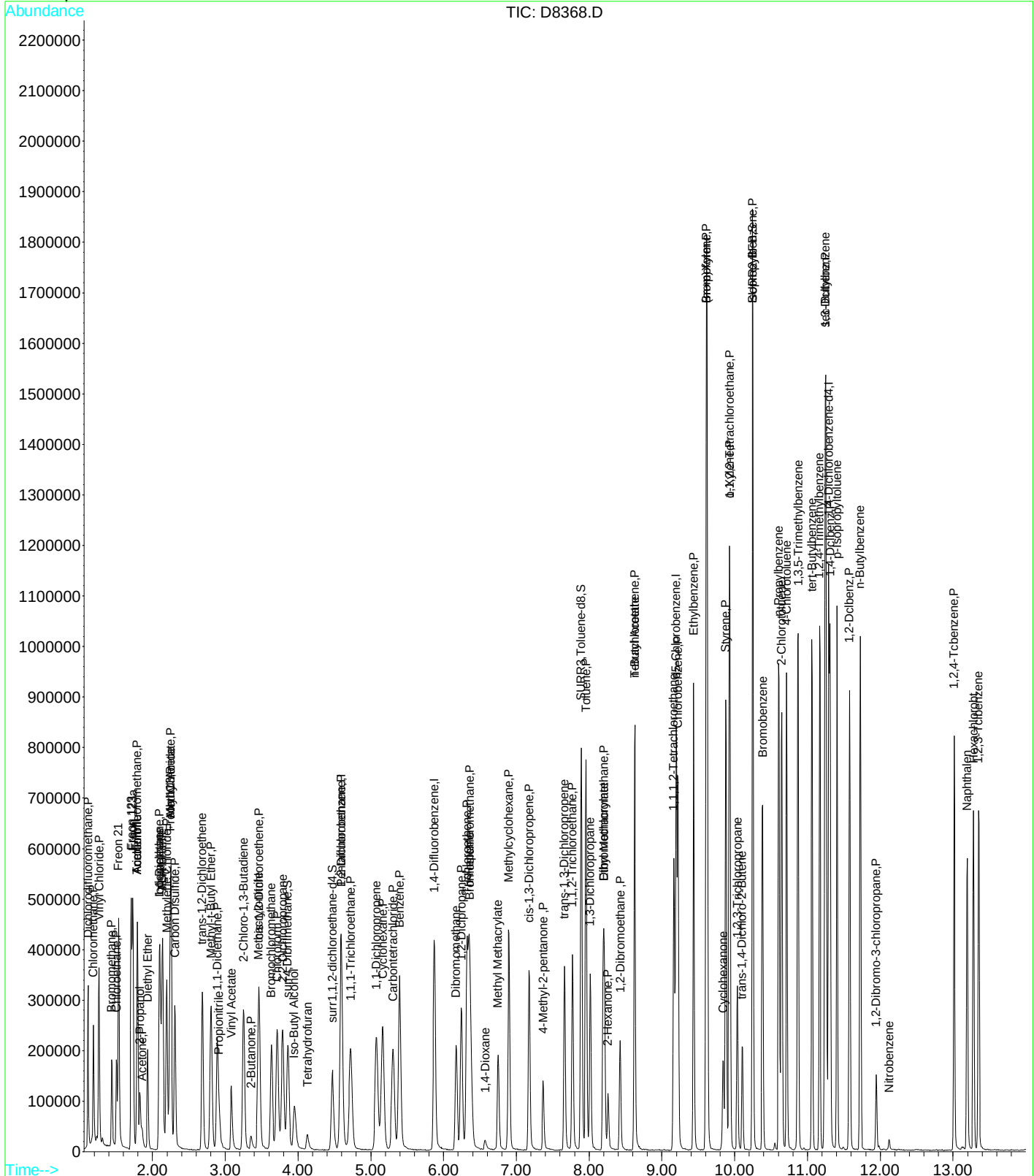
1st DL 09/24/17
2nd BA 09/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8368.D
Acq On : 21 Sep 2017 8:00 pm
Sample : R1708700-005DMS|1.0
Misc : Verina 8260C 6646 T4
MS Integration Params: CPD4.P
Quant Time: Sep 24 12:19 2017

Vial: 29
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:47 2017

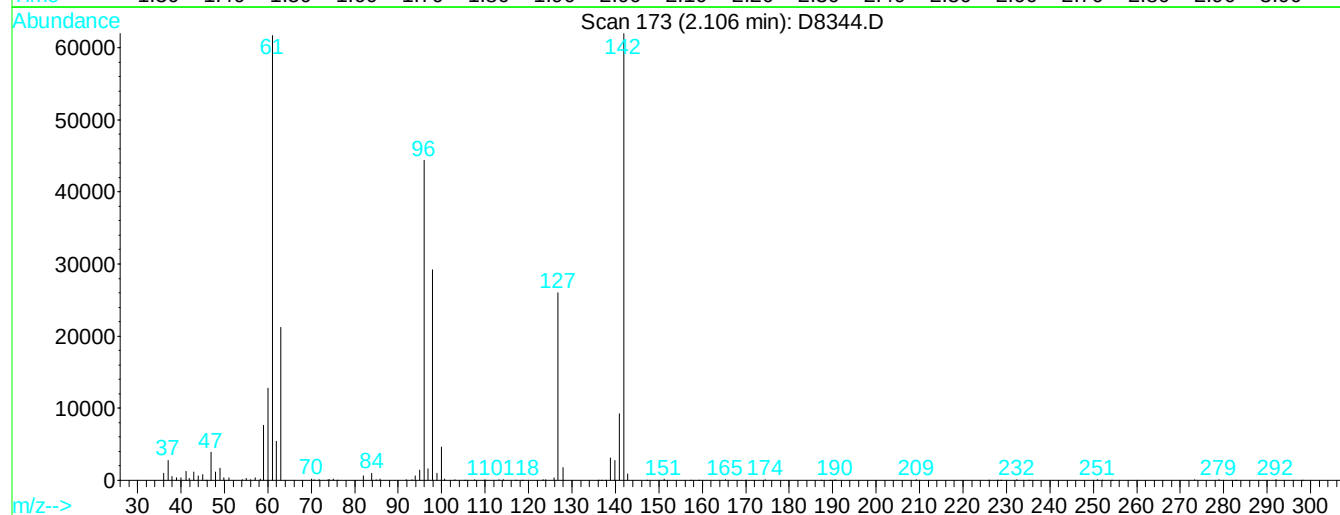
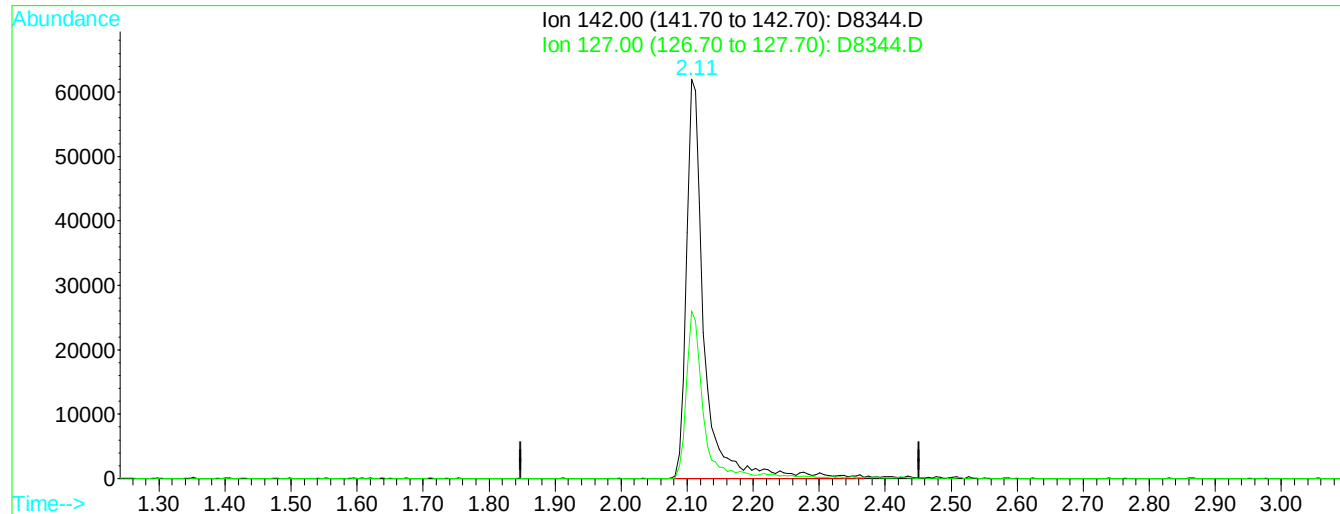
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8344.D

(17) Iodomethane

Manual Integration:

2.11min 34.26ug/L m

After

response 116062

Poor integration.

Ion	Exp%	Act%

09/21/17

142.00	100	100

127.00	48.60	41.98

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:46 2017

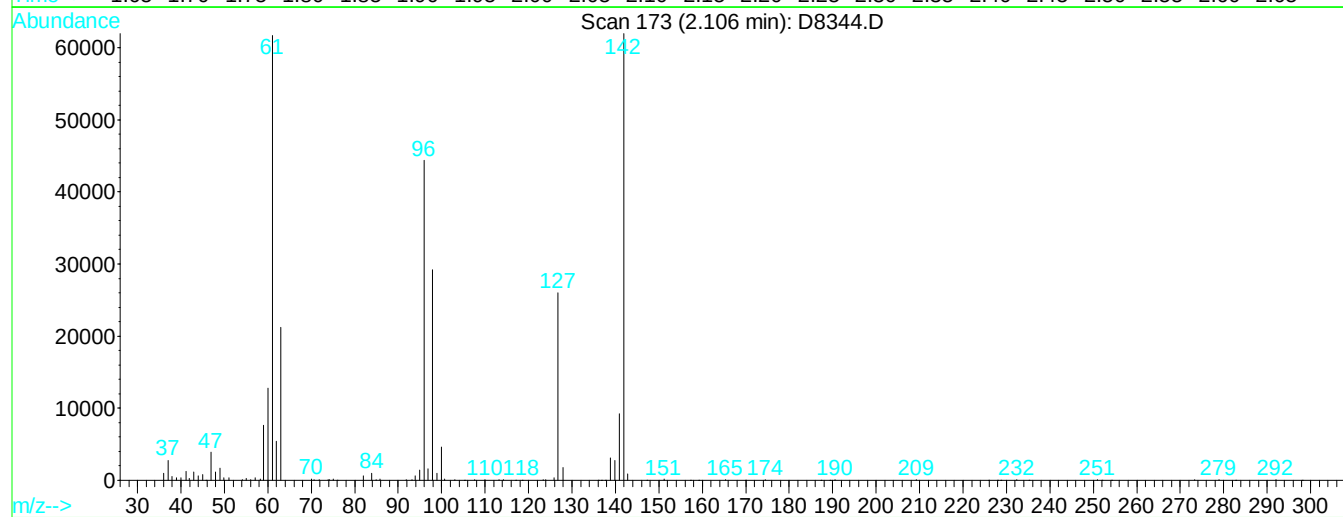
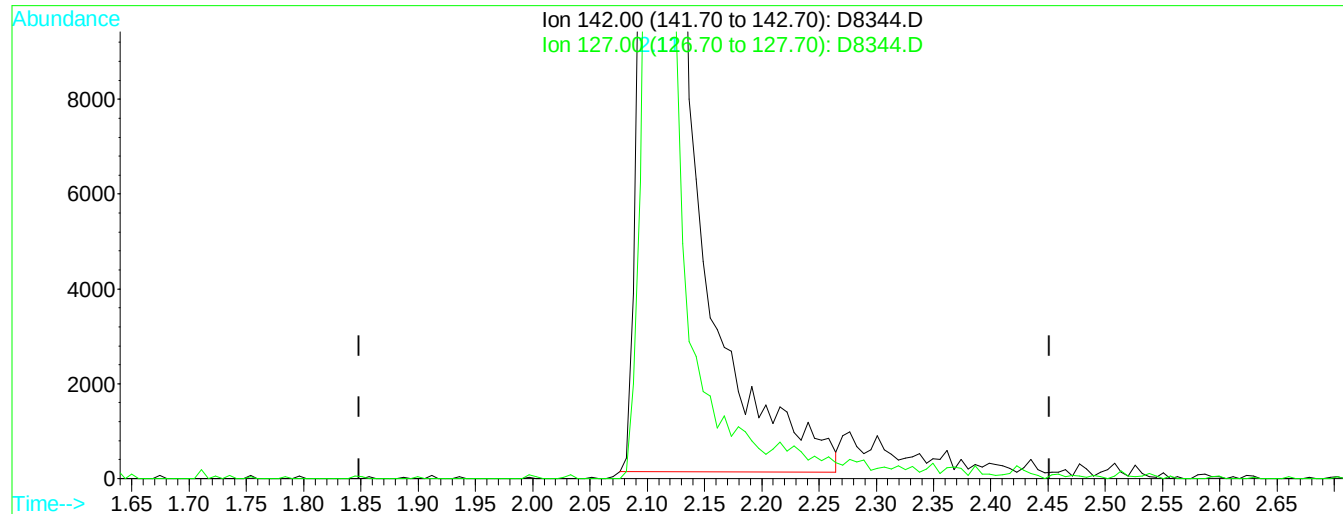
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8344.D

(17) Iodomethane

Manual Integration:

2.11min 32.73ug/L

Before

response 110891

Ion	Exp%	Act%

09/21/17

142.00	100	100

127.00	48.60	41.98

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:48 2017

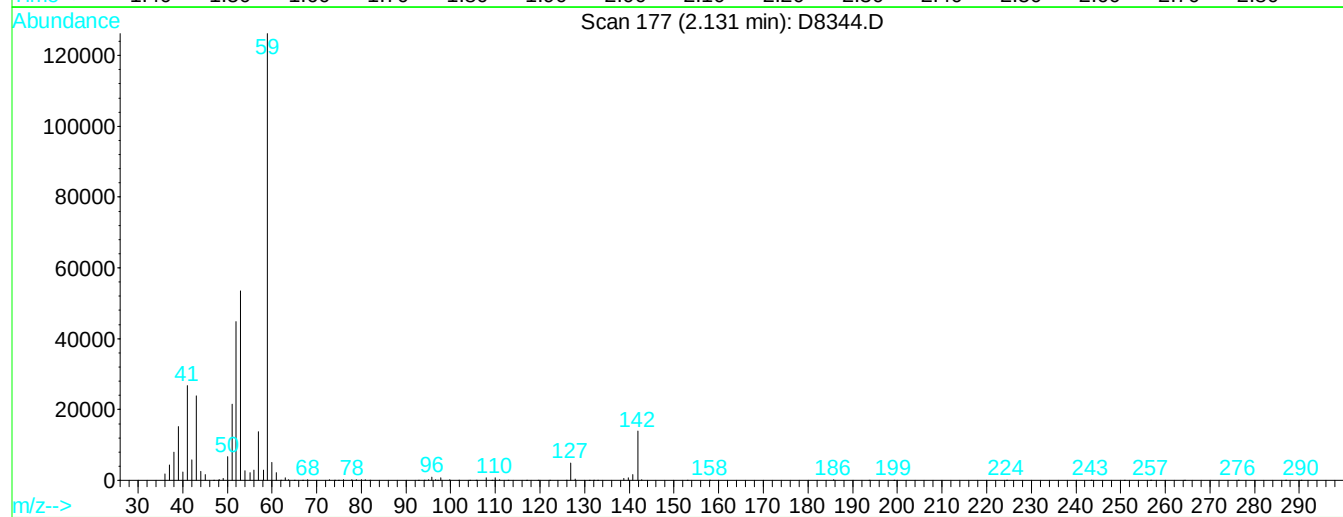
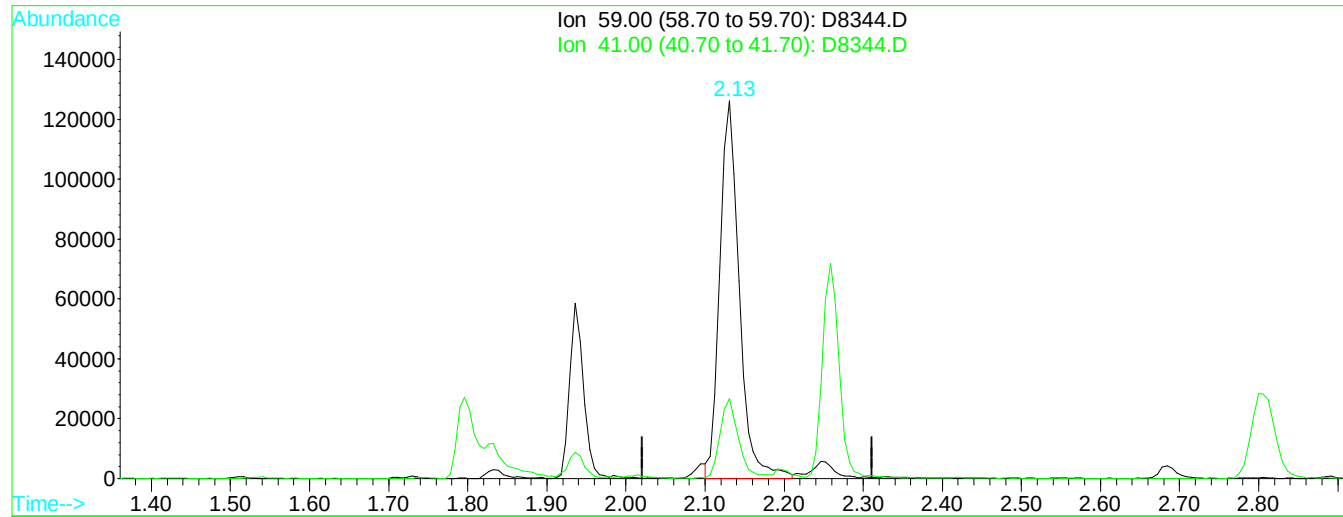
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8344.D

(18) TBA

Manual Integration:

2.13min 1115.42ug/L m

After

response 216453

Poor integration.

Ion	Exp%	Act%

09/21/17

59.00	100	100

41.00	19.90	21.15

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:47 2017

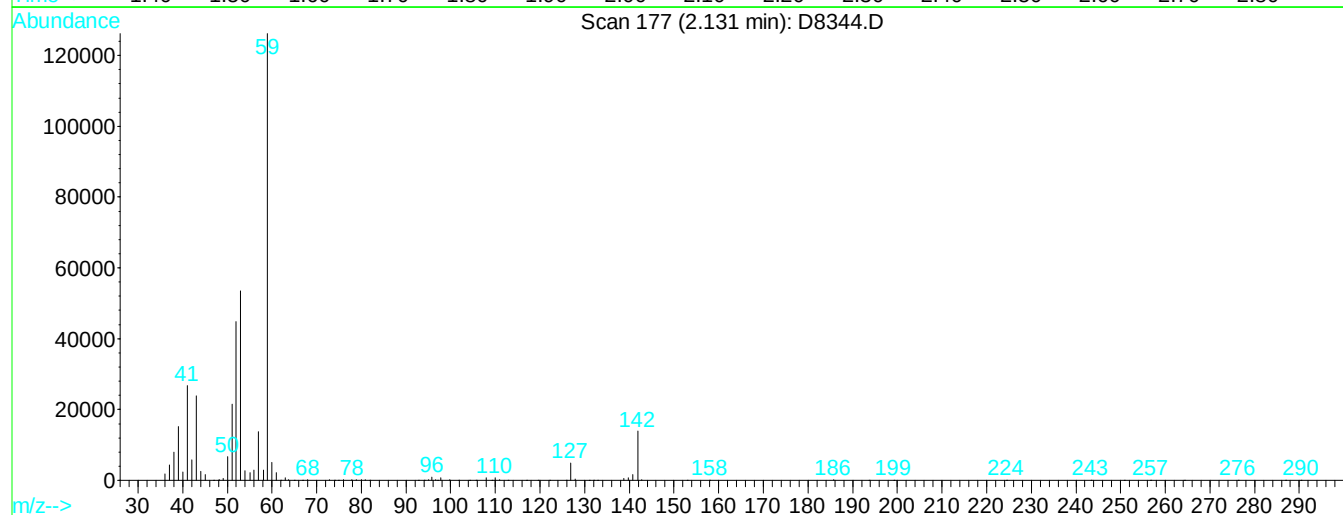
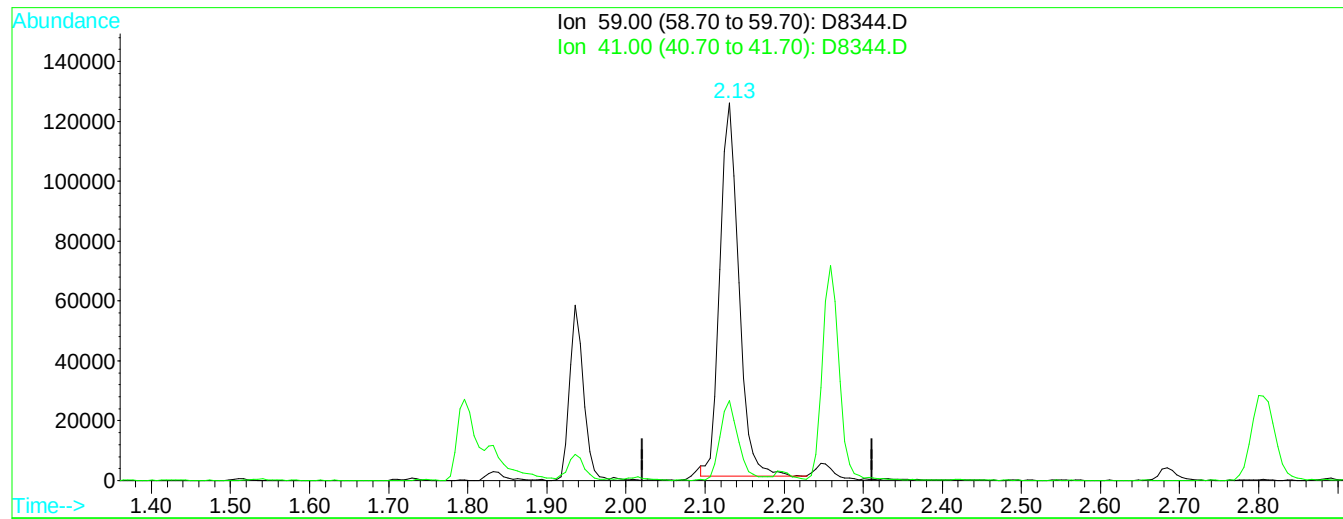
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8344.D

(18) TBA

Manual Integration:

2.13min 1073.90ug/L

Before

response 208397

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	21.15
0.00	0.00	0.00
0.00	0.00	0.00

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:49 2017

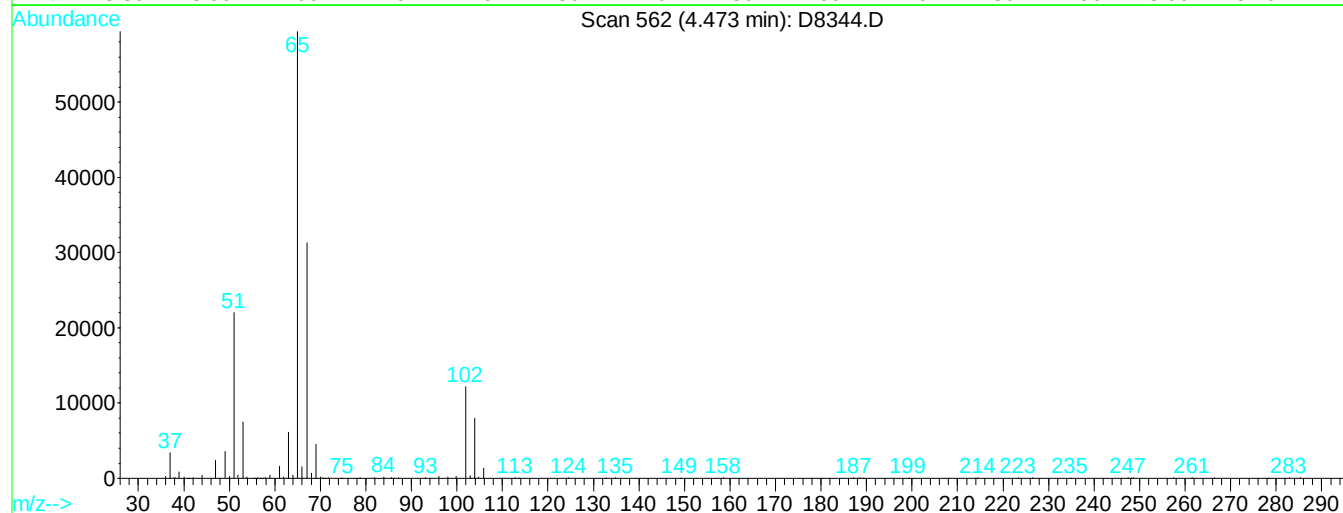
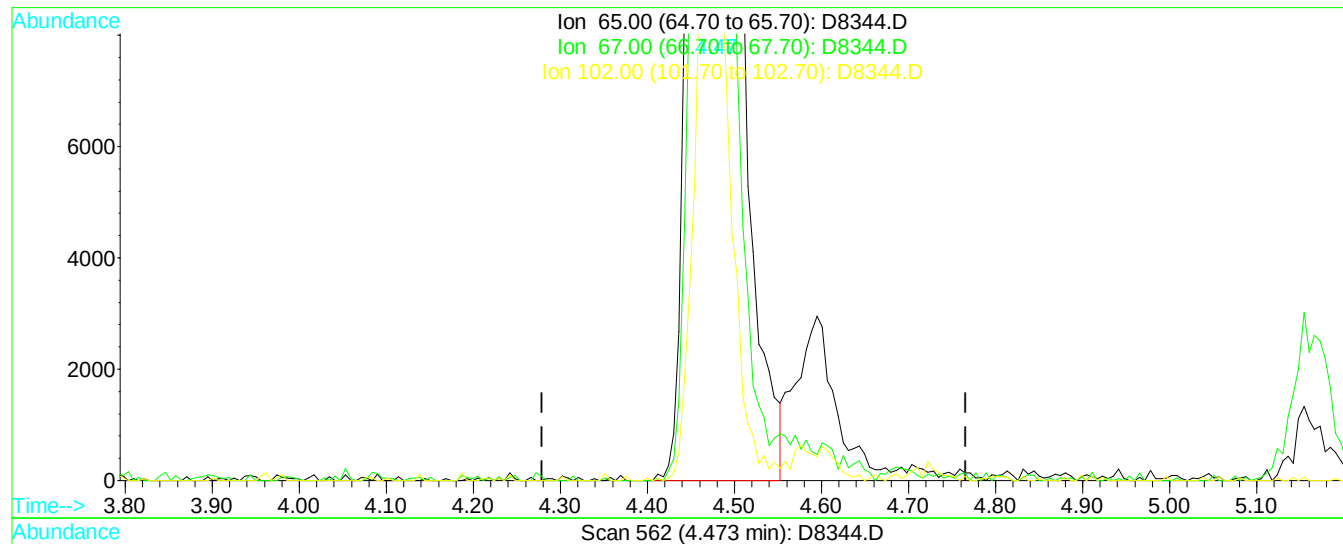
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8344.D

(43) surr1,1,2-dichloroethane-d4 (S)

Manual Integration:

4.47min 49.92ug/L m

After

response 153554

Poor integration.

Ion	Exp%	Act%
65.00	100	100
67.00	48.50	52.75
102.00	16.50	20.53
0.00	0.00	0.00

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:48 2017

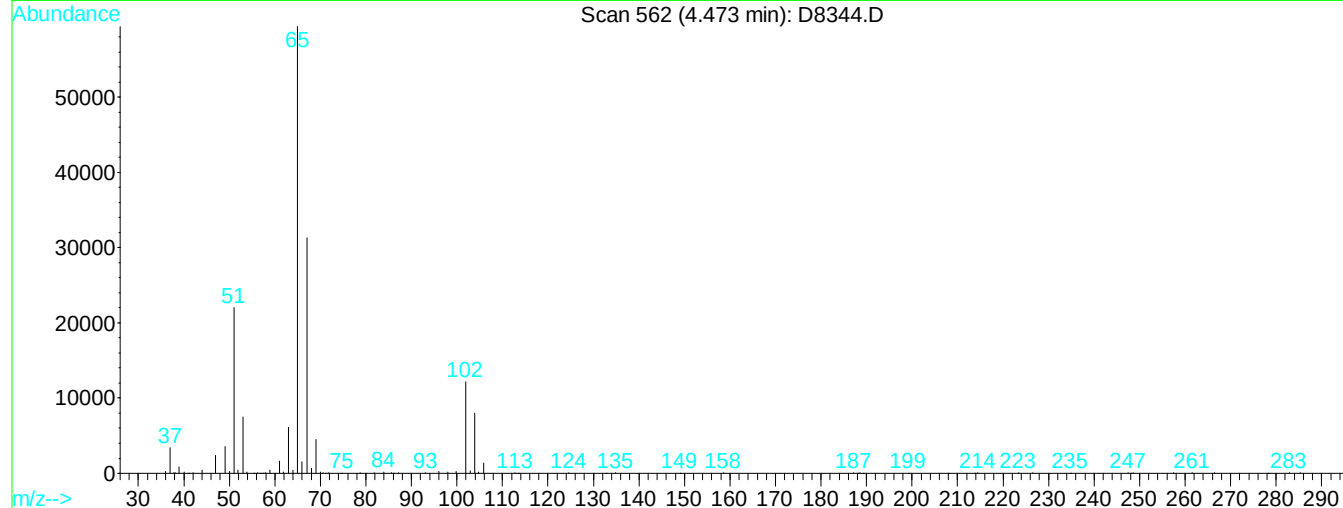
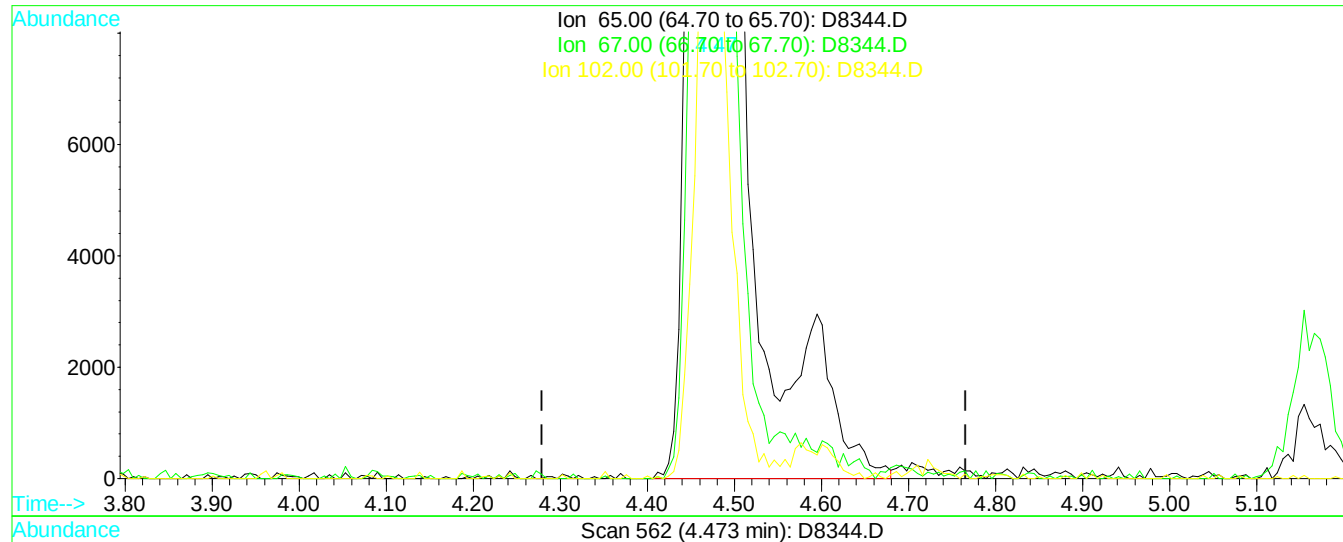
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8344.D

(43) surr1,1,2-dichloroethane-d4 (S)

Manual Integration:

4.47min 53.00ug/L

Before

response 163041

Ion	Exp%	Act%
65.00	100	100
67.00	48.50	52.75
102.00	16.50	20.53
0.00	0.00	0.00

09/21/17

Evaluate Continuing Calibration Report

1st DL 09/24/17

2nd BA 09/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1 I	Pentafluorobenzene	1.0000	1.0000	0.0	107	0.00	
2 P	Dichlorodifluoromethane	0.7458	0.6856	8.1	104	0.00	
3 P	Chloromethane	0.4952	0.4770	3.7	109	0.00	
4 P	Vinyl Chloride	0.6105	0.6234	-2.1	115	0.00	
5 P	Bromomethane	0.3680	0.3419	7.1	111	0.00	
6 P	Chloroethane	0.2991	0.3114	-4.1	118	0.00	
7	Freon 21	0.9077	0.8511	6.2	112	0.00	
8	Freon 123	0.5637	0.5582	1.0	118	0.00	
9	Freon 123a	0.4479	0.4446	0.7	117	0.00	
10	Acrolein	0.0396	0.0487	-23.0#	130	0.00	NT
11 P	Trichlorofluoromethane	0.6822	0.6372	6.6	102	0.00	
12	Acetonitrile	0.0272	0.0268	1.5	107	0.00	
13	2-Propanol	0.0187	0.0190	-1.6	109	0.00	
14 P	Acetone	0.0936	0.1106	-18.2	117	0.00	
15	Diethyl Ether	0.2409	0.2366	1.8	112	0.00	
16 P	1,1-Dicethene	0.3445	0.3424	0.6	110	0.00	
17	Iodomethane	0.5598	0.3835	31.5#	72	0.00	NT
18	TBA	0.0321	0.0358	-11.5	117	0.00	
19	Acrylonitrile	0.1037	0.1132	-9.2	119	0.00	
20 P	Methylene Chloride	0.3660	0.3874	-5.8	120	0.00	
21 P	Freon 113	0.3936	0.3880	1.4	111	0.00	
22 P	Methyl Acetate	0.3086	0.2389	22.6#	81	0.00	NT
23	Allyl Chloride	0.1418	0.1503	-6.0	114	0.00	
24 P	Carbon Disulfide	1.0538	1.0340	1.9	109	0.00	
25	trans-1,2-Dichloroethene	0.3670	0.3841	-4.7	117	0.00	
26 P	Methyl-t-Butyl Ether	0.9433	0.9755	-3.4	111	0.00	
27 P	1,1-Dicethane	0.5569	0.6011	-7.9	116	0.00	
28	Propionitrile	0.0374	0.0441	-17.9	121	0.00	
29	Vinyl Acetate	0.6616	0.6897	-4.2	109	0.00	
30	2-Chloro-1,3-Butadiene	0.4924	0.4914	0.2	104	0.00	
31 P	2-Butanone	0.1256	0.1363	-8.5	116	0.00	
32	Methacrylonitrile	0.1218	0.1371	-12.6	123	0.00	
33 P	cis-1,2-Dichloroethene	0.3919	0.4287	-9.4	119	0.00	
34	Bromochloromethane	0.2224	0.2285	-2.7	113	0.00	
35 P	Chloroform	0.6676	0.6757	-1.2	113	0.00	
36	2,2-Dichloropropane	0.6087	0.5725	5.9	106	0.00	
37	Ethyl Acetate	0.2627	0.0000	100.0#	0#	-3.81#	
38	Tetrahydrofuran	0.0754	0.0867	-15.0	119	0.00	
39 P	1,1,1-Trichloroethane	0.6482	0.6105	5.8	108	0.00	
40 I	1,4-Difluorobenzene	1.0000	1.0000	0.0	108	0.00	
41 S	surr4,Dibrflmethane	0.3586	0.3759	-4.8	109	0.00	
42	Iso-Butyl Alcohol	0.0056	0.0065	-16.1	127	0.00	
43 S	surr1,1,2-dichloroethane-d4	0.3884	0.3878	0.2	104	0.00	
44 P	1,2-Dichloroethane	0.1370	0.1240	9.5	106	0.00	
45	2-Methyl-1,3-Dioxolane	0.0332	0.0000	100.0#	0#	-4.82#	
46	1,1-Dichloropropene	0.3622	0.3810	-5.2	115	0.00	
47 P	Cyclohexane	0.3720	0.3837	-3.1	122	0.00	
48 P	Carbontetrachloride	0.4025	0.4045	-0.5	110	0.00	
49 P	Benzene	0.9800	0.9709	0.9	112	0.00	
50	Isopropyl Acetate	0.4836	0.0004	99.9#	0#	0.06	
51	Dibromomethane	0.2072	0.2042	1.4	113	0.00	
52 P	1,2-Diclp propane	0.2503	0.2584	-3.2	116	0.00	
53	n-Heptane	0.2740	0.2891	-5.5	119	0.00	

(#) = Out of Range

D8344.D W082417.M

Thu Sep 21 09:50:45 2017

Page 1

Evaluate Continuing Calibration Report

1st DL 09/24/17

2nd BA 09/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
54 P	Trichloroethene	0.3242	0.3226	0.5	111	0.00	
55 P	Bromodichloromethane	0.3876	0.4044	-4.3	117	0.00	
56	1,4-Dioxane	0.0025	0.0030	-20.0	125	0.00	
57	Epichlorohydrin	0.0200	0.0000	~~100.0#~~	0#	-6.73#	
58	Methyl Methacrylate	0.1690	0.1788	-5.8	117	0.00	
59 P	Methylcyclohexane	0.2887	0.3021	-4.6	119	0.00	
60	2-Chloroethylvinyl Ether	0.1569	0.1627	-3.7	113	0.00	
61 P	cis-1,3-Dichloropropene	0.4338	0.4408	-1.6	111	0.00	
62 P	4-Methyl-2-pentanone	0.2245	0.2304	-2.6	107	0.00	
63	trans-1,3-Dichloropropene	0.4075	0.4134	-1.4	111	0.00	
64 P	1,1,2-Trichloroethane	0.2466	0.2704	-9.7	119	0.00	
65 S	SURR3,Toluene-d8	1.0124	1.0931	-8.0	106	0.00	
66 P	Toluene	1.1125	1.0797	2.9	111	0.00	
67 I	d5-Chlorobenzene	1.0000	1.0000	0.0	113	0.00	
68	1,3-Dichloropropane	0.8371	0.8251	1.4	116	0.00	
69	Ethyl Methacrylate	0.6757	0.7077	-4.7	115	0.00	
70 P	Dibromochloromethane	0.6876	0.7335	-6.7	120	0.00	
71 P	2-Hexanone	0.3374	0.3469	-2.8	107	0.00	
72 P	1,2-Dibromoethane	0.6037	0.6323	-4.7	121	0.00	
73	n-Butyl Acetate	0.7720	0.7836	-1.5	108	0.00	
74 P	Tetrachloroethene	0.5970	0.6064	-1.6	117	0.00	
75	1,1,1,2-Tetrachloroethane	0.6239	0.6223	0.3	112	0.00	
76 P	Chlorobenzene	1.5799	1.5836	-0.2	115	0.00	
77 P	Ethylbenzene	0.8331	0.8443	-1.3	114	0.00	
78 P	Bromoform	0.4628	0.5449	-17.7	128	0.00	
79 P	(m+p)Xylene	1.0428	1.0178	2.4	114	0.00	
80 P	o-Xylene	1.0035	1.0207	-1.7	112	0.00	
81	Cyclohexanone	0.0192	0.0402	-109.4#	234#	0.00	NT
82 P	Styrene	1.6035	1.6115	-0.5	113	0.00	
83	Amyl Acetate	1.0525	0.0000	~~100.0#~~	0#	-9.99#	
84	trans-1,4-Dichloro-2-Butene	0.2333	0.2364	-1.3	117	0.00	
85 P	Isopropylbenzene	2.5600	2.4871	2.8	114	0.00	
86 S	SURR2,BFB	0.9365	1.0012	-6.9	112	0.00	
87 I	1,4-Dichlorobenzene-d4	1.0000	1.0000	0.0	112	0.00	
88 P	1,1,2,2-Tetrachloroethane	0.5973	0.6458	-8.1	120	0.00	
89	1,2,3-Trichloropropane	0.4508	0.4590	-1.8	120	0.00	
90	Bromobenzene	0.7413	0.7263	2.0	115	0.00	
91	n-Propylbenzene	2.6504	2.3481	11.4	111	0.00	
92	2-Chlorotoluene	1.5416	1.4076	8.7	120	0.00	
93	4-Chlorotoluene	1.6577	1.5495	6.5	112	0.00	
94	1,3,5-Trimethylbenzene	1.8392	1.7661	4.0	116	0.00	
95	tert-Butylbenzene	1.5994	1.4779	7.6	111	0.00	
96	1,2,4-Trimethylbenzene	1.9719	1.8178	7.8	114	0.00	
97	sec-Butylbenzene	2.2802	2.1795	4.4	115	0.00	
98 P	1,3-Dclbenz	1.2605	1.2428	1.4	114	0.00	
99 P	1,4-Dclbenz	1.2773	1.2616	1.2	114	0.00	
100	p-Isopropyltoluene	1.8793	1.8257	2.9	113	0.00	
101 P	1,2-Dclbenz	1.2610	1.1833	6.2	113	0.00	
102	n-Butylbenzene	1.7319	1.6921	2.3	114	0.00	
103 P	1,2-Dibromo-3-chloropropane	0.1100	0.1150	-4.5	114	0.00	
104	Nitrobenzene	0.0078	0.0199	-155.1#	364#	0.00	NT
105 P	1,2,4-Tcbenzene	0.8686	0.8192	5.7	112	0.00	

(#)= Out of Range

D8344.D W082417.M

Thu Sep 21 09:50:49 2017

Page 2

Evaluate Continuing Calibration Report

1st *DL* 09/24/17
2nd *BA* 09/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D Vial: 5
Acq On : 21 Sep 2017 9:29 am Operator: D.Lipani
Sample : CCV Inst : MS#6
Misc : 8260C Multiplr: 1.00
MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
106	Naphthalen	1.6422	1.5366	6.4	106	0.00
107	Hexachlorobt	0.4255	0.4033	5.2	110	0.00
108	1,2,3-Tclbenzene	0.7474	0.7562	-1.2	113	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:50 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	302604	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	395999	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	192136	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	227604	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	148847	52.41	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	104.82%
43) surr1,1,2-dichloroethane-d	4.47	65	153554m	49.92	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	99.84%
65) SURR3,Toluene-d8	7.89	98	432873	53.98	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	107.96%
86) SURR2,BFB	10.25	95	192357	53.45	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	106.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	207453	45.96	ug/L	98
3) Chloromethane	1.19	50	144340	48.16	ug/L	99
4) Vinyl Chloride	1.27	62	188629	51.05	ug/L	100
5) Bromomethane	1.44	94	103474	46.47	ug/L	98
6) Chloroethane	1.51	64	94240	52.06	ug/L	96
7) Freon 21	1.53	67	257557	46.88	ug/L	100
8) Freon 123	1.71	83	168899	49.51	ug/L	97
9) Freon 123a	1.74	67	134549	49.63	ug/L	93
10) Acrolein	1.79	56	73698	307.74	ug/L	96
11) Trichlorofluoromethane	1.79	101	192830	46.70	ug/L	99
12) Acetonitrile	1.80	41	40552	246.23	ug/L	98
13) 2-Propanol	1.83	45	115216	1017.29	ug/L	100
14) Acetone	1.86	43	33453	59.05	ug/L	92
15) Diethyl Ether	1.94	59	71587	49.09	ug/L	99
16) 1,1-Dicethene	2.10	96	103621	49.70	ug/L	96
17) Iodomethane	2.11	142	116062m	34.26	ug/L	
18) TBA	2.13	59	216453m	1115.42	ug/L	
19) Acrylonitrile	2.14	53	171273	272.93	ug/L	100
20) Methylene Chloride	2.20	84	117215	52.92	ug/L	95
21) Freon 113	2.25	101	117419	49.30	ug/L	97
22) Methyl Acetate	2.25	43	72298	38.71	ug/L	96
23) Allyl Chloride	2.26	76	45482	52.98	ug/L	90
24) Carbon Disulfide	2.31	76	312894	49.06	ug/L	100
25) trans-1,2-Dichloroethene	2.69	96	116243	52.33	ug/L	91
26) Methyl-t-Butyl Ether	2.81	73	295200	51.71	ug/L	97
27) 1,1-Dicethane	2.89	63	181900	53.97	ug/L	98
28) Propionitrile	2.92	54	66754	295.18	ug/L	94
29) Vinyl Acetate	3.09	43	208711	52.12	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.25	53	148693	49.90	ug/L	96
31) 2-Butanone	3.36	43	41230	54.25	ug/L	97
32) Methacrylonitrile	3.45	67	41496	56.30	ug/L	# 84
33) cis-1,2-Dichloroethene	3.47	96	129723	54.69	ug/L	98
34) Bromochloromethane	3.63	128	69147	51.38	ug/L	95
35) Chloroform	3.71	83	204476	50.61	ug/L	94
36) 2,2-Dichloropropane	3.79	77	173255	47.03	ug/L	98
38) Tetrahydrofuran	4.13	42	26222	57.49	ug/L	94
39) 1,1,1-Trichloroethane	4.72	97	184727	47.09	ug/L	98
42) Iso-Butyl Alcohol	3.95	42	51852	1170.81	ug/L	94
44) 1,2-Dichloroethane	4.59	64	49097	45.25	ug/L	# 87

(#)=qualifier out of range (m)=manual integration

D8344.D W082417.M Thu Sep 21 09:50:34 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Vial: 5

Acq On : 21 Sep 2017 9:29 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:50 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) 1,1-Dichloropropene	5.08	75	150877	52.59	ug/L	96
47) Cyclohexane	5.16	56	151958	51.58	ug/L	92
48) Carbontetrachloride	5.31	119	160174	50.24	ug/L	99
49) Benzene	5.40	78	384456	49.53	ug/L	98
51) Dibromomethane	6.17	93	80847	49.27	ug/L	99
52) 1,2-Dicloropropane	6.24	63	102343	51.62	ug/L	91
53) n-Heptane	6.35	43	114499	52.76	ug/L	92
54) Trichloroethene	6.32	130	127753	49.75	ug/L	98
55) Bromodichloromethane	6.36	83	160156	52.17	ug/L	99
56) 1,4-Dioxane	6.58	88	23839	1199.24	ug/L	97
58) Methyl Methacrylate	6.75	69	70799	52.90	ug/L	99
59) Methylcyclohexane	6.90	55	119646	52.32	ug/L	98
60) 2-Chloroethylvinyl Ether	7.02	63	64413	51.82	ug/L	100
61) cis-1,3-Dichloropropene	7.18	75	174550	50.80	ug/L	98
62) 4-Methyl-2-pentanone	7.37	43	91251	51.33	ug/L	96
63) trans-1,3-Dichloropropene	7.66	75	163693	50.72	ug/L	99
64) 1,1,2-Trichloroethane	7.77	97	107059	54.81	ug/L	98
66) Toluene	7.96	91	427570	48.53	ug/L	99
68) 1,3-Dichloropropane	8.01	76	158531	49.28	ug/L	95
69) Ethyl Methacrylate	8.20	69	135969	52.37	ug/L	93
70) Dibromochloromethane	8.21	129	140927	53.34	ug/L	99
71) 2-Hexanone	8.26	43	66657	51.41	ug/L	93
72) 1,2-Dibromoethane	8.43	107	121496	52.37	ug/L	99
73) n-Butyl Acetate	8.63	43	150561	50.76	ug/L	99
74) Tetrachloroethene	8.62	164	116502	50.79	ug/L	97
75) 1,1,1,2-Tetrachloroethane	9.16	131	119572	49.87	ug/L	97
76) Chlorobenzene	9.22	112	304265	50.12	ug/L	98
77) Ethylbenzene	9.44	106	162216	50.67	ug/L	98
78) Bromoform	9.61	173	104694	58.86	ug/L	98
79) (m+p)Xylene	9.61	106	391108	97.60	ug/L	97
80) o-Xylene	9.94	106	196105	50.86	ug/L	98
81) Cyclohexanone	9.84	55	154344	2090.57	ug/L	95
82) Styrene	9.87	104	309633	50.25	ug/L	99
84) trans-1,4-Dichloro-2-Buten	10.11	75	45418	50.65	ug/L	93
85) Isopropylbenzene	10.25	105	477852	48.58	ug/L	98
88) 1,1,2,2-Tetrachloroethane	9.92	83	146989	54.06	ug/L	98
89) 1,2,3-Trichloropropane	10.04	75	104475	50.91	ug/L	97
90) Bromobenzene	10.39	156	165310	48.99	ug/L	99
91) n-Propylbenzene	10.60	91	534428	44.30	ug/L	99
92) 2-Chlorotoluene	10.65	91	320381	45.65	ug/L	99
93) 4-Chlorotoluene	10.71	91	352679	46.74	ug/L	99
94) 1,3,5-Trimethylbenzene	10.87	105	401982	48.01	ug/L	99
95) tert-Butylbenzene	11.07	119	336383	46.20	ug/L	99
96) 1,2,4-Trimethylbenzene	11.16	105	413739	46.09	ug/L	97
97) sec-Butylbenzene	11.24	105	496058	47.79	ug/L	100
98) 1,3-Dclbenz	11.26	146	282874	49.30	ug/L	99
99) 1,4-Dclbenz	11.31	146	287142	49.39	ug/L	99
100) p-Isopropyltoluene	11.41	119	415544	48.58	ug/L	99
101) 1,2-Dclbenz	11.58	146	269324	46.92	ug/L	98
102) n-Butylbenzene	11.72	91	385138	48.85	ug/L	98
103) 1,2-Dibromo-3-chloropropan	11.94	75	26179	52.28	ug/L	91
104) Nitrobenzene	12.13	77	9075	256.59	ug/L	97
105) 1,2,4-Tcbenzene	13.01	180	186447	47.15	ug/L	100
106) Naphthalen	13.20	128	349730	46.78	ug/L	99

(#)=qualifier out of range (m)=manual integration

D8344.D W082417.M Thu Sep 21 09:50:35 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

Acq On : 21 Sep 2017 9:29 am

Sample : CCV

Misc : 8260C

MS Integration Params: CPD4.P

Quant Time: Sep 21 9:50 2017

Vial: 5

Operator: D.Lipani

Inst : MS#6

Multiplr: 1.00

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
107) Hexachlorobt	13.28	225	91799	47.39	ug/L	98
108) 1,2,3-Tclbenzene	13.35	180	172122	50.59	ug/L	98

Quantitation Report

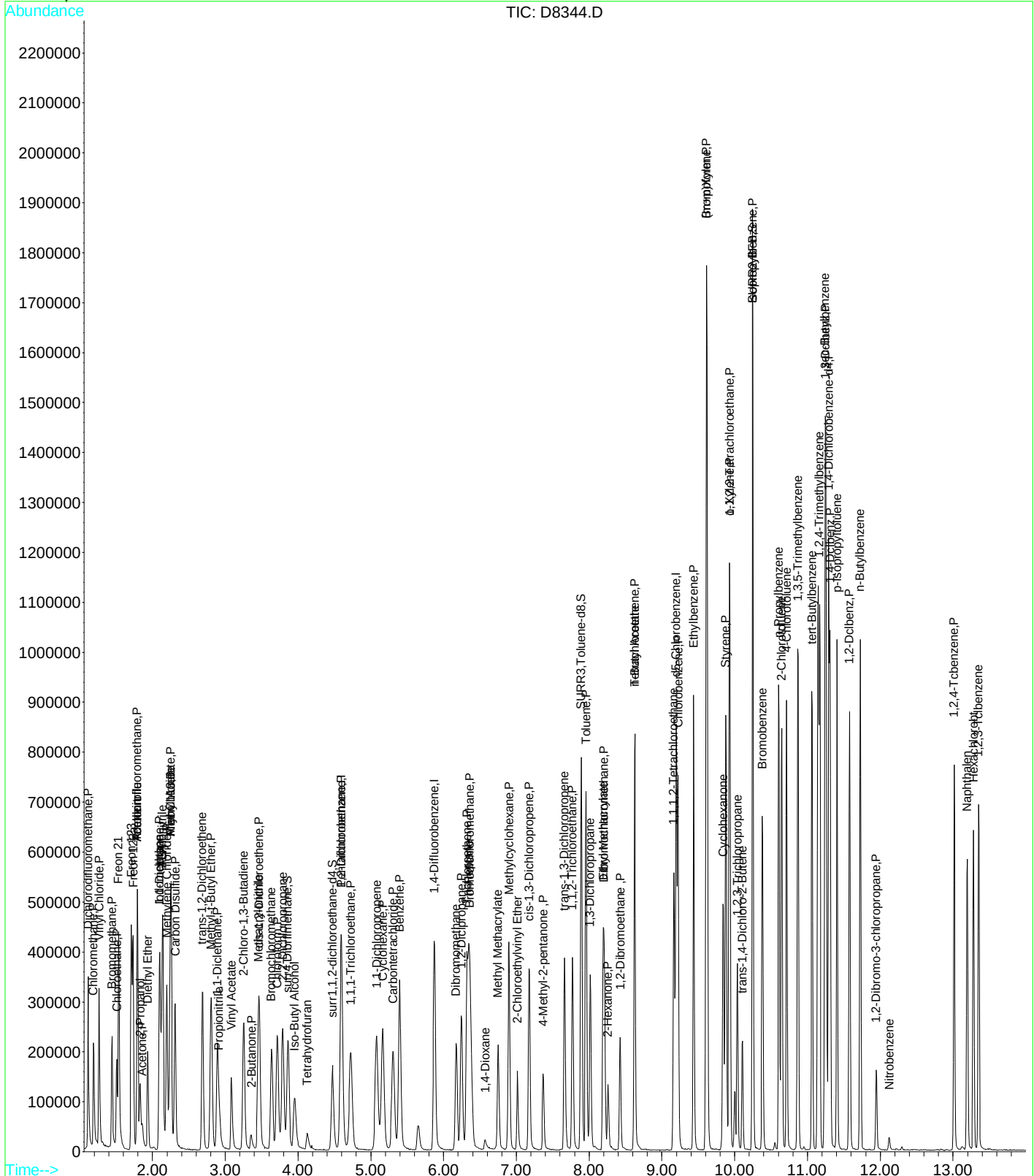
1st DL 09/24/17
2nd BA 09/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D
Acq On : 21 Sep 2017 9:29 am
Sample : CCV
Misc : 8260C
MS Integration Params: CPD4.P
Quant Time: Sep 21 9:50 2017

Vial: 5
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration



Tune File : I:\ACQUDATA\MSV0A6\DATA\092117\D8343.D

Tune Time : 21 Sep 2017 8:59 am

Daily Calibration File : I:\ACQUDATA\MSV0A6\DATA\092117\D8344.D

302604 395999 192136

227604

File	Sample	Surrogate Recovery %				Internal Standard Responses		
D8345.D	LCS	104	99	109	103	310468	403127	183903
				205366				
D8348.D	MET BLK	100	96	108	98	280743	384929	179323
				187189				
D8349.D	R1708700-001	102		97	110	276266	378931	181009
				195649	98			
D8350.D	R1708700-011	100		98	110	279678	380848	178646
				193959	99			
D8351.D	R1708700-002	102		97	110	276771	369242	176556
				192527	101			
D8352.D	R1708700-005	103		100	110	273290	368418	176494
				194570	101			
D8353.D	R1708700-007	101		99	111	278031	376228	178366
				194913	99			
D8354.D	R1708700-004	102		95	110	287220	389280	181050
				194310	100			
D8355.D	R1708678-004	101		97	109	278306	377589	177647
				194290	99			
D8356.D	R1708784-001	101		98	108	282550	377226	175644
				196185	102			
D8357.D	R1708784-002	101		95	109	276781	376696	171305
				197394	100			
D8358.D	R1708822-001	98		93	105	288277	398912	180821
				190654	97			
D8359.D	R1708822-002	98		95	107	277656	386219	181400
				194683	102			
D8360.D	R1708822-004	99		96	106	284033	387224	180517
				199733	101			
D8361.D	R1708781-002	103		95	108	283685	385887	179511
				196574	101			
D8362.D	R1708700-012	100		97	109	282076	378874	178524
				195836	102			
D8363.D	R1708249-007	101		97	108	279374	382990	177183
				196150	101			
D8364.D	R1708249-008	101		98	109	278427	372134	174529
				190659	99			
D8365.D	R1708249-012	99		97	107	283772	381254	175199
				192936	99			
D8366.D	R1708249-013	99		95	108	287996	387251	184404
				194415	94			
D8367.D	R1708700-005MS	103		94	111	300688	399028	192067
				194415	104			

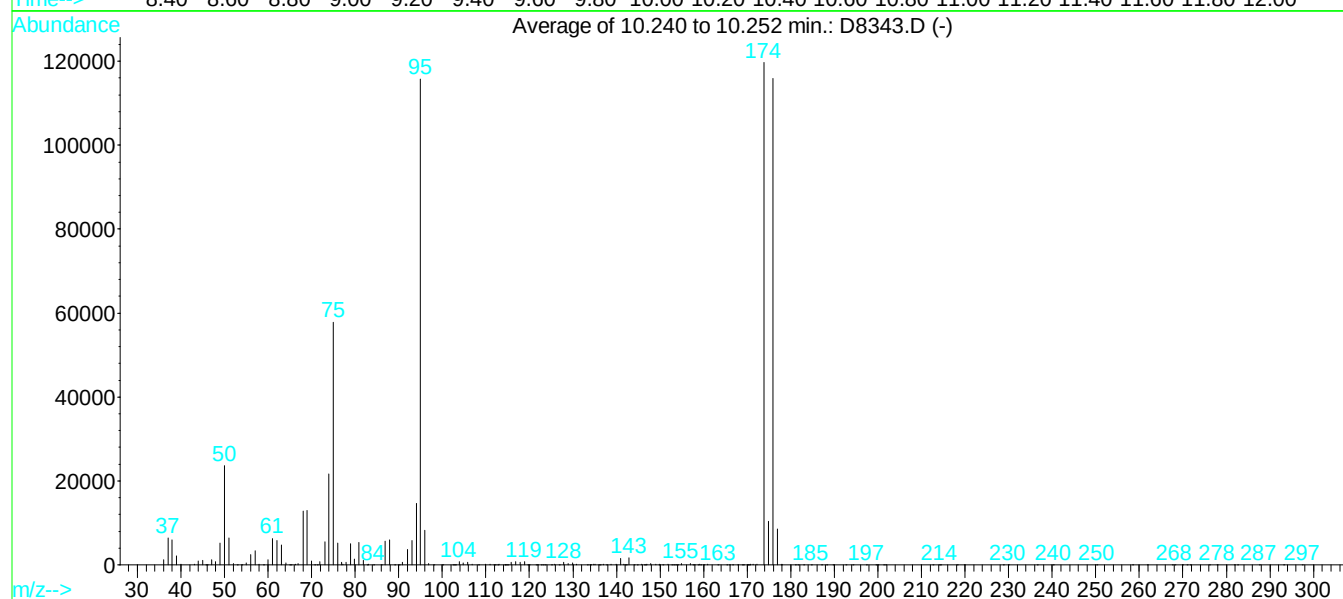
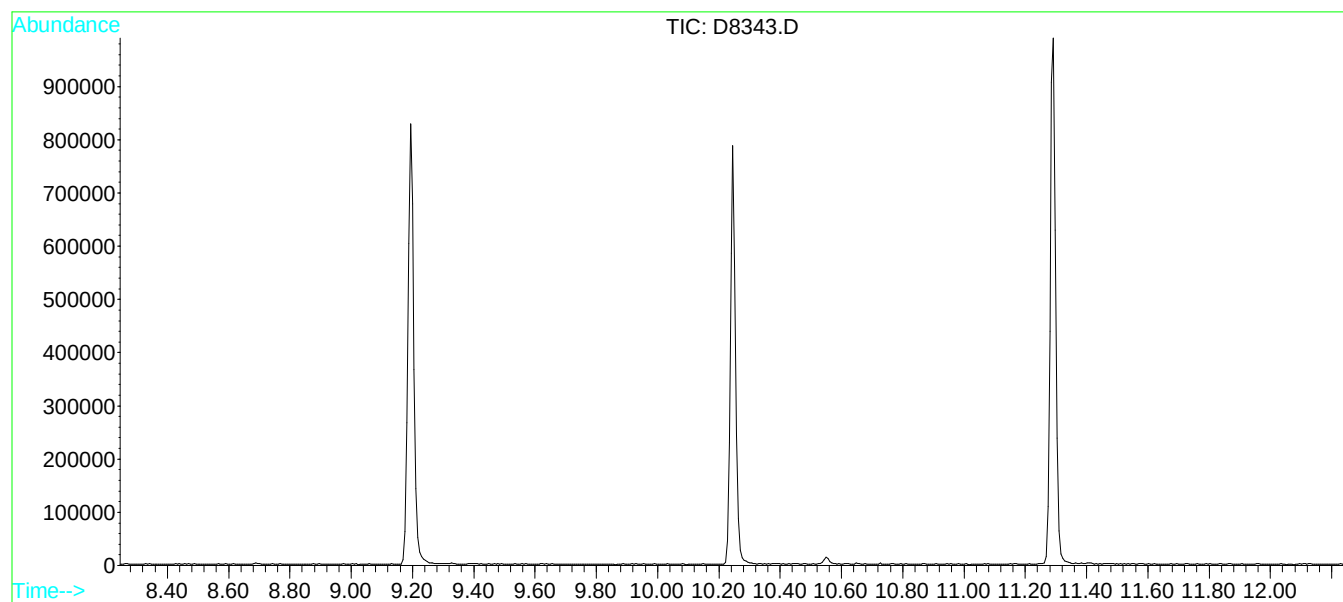
		219616							
-----				-----				-----	
D8368.D	R1708700-005DMS	102	96	108	103	307268	403193	197619	
			224145						
-----				-----				-----	
D8369.D	R1708822-004MS	101	98	108	100	305953	403148	199402	
			224948						
-----				-----				-----	
D8370.D	R1708822-004DMS	106	98	105	106	320885	414873	192976	
			223314						

1st *DL* 09/24/17
 2nd *BA* 09/25/17

 t - fails 12hr time check * - fails criteria

Created: Sun Sep 24 12:27:36 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\092117\D8343.D Vial: 4
 Acq On : 21 Sep 2017 8:59 am Operator: D.Lipani
 Sample : TUNE CHECK Inst : MS#6
 Misc : 8260C / 624 Multiplr: 1.00
 MS Integration Params: CPD4.P
 Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
 Title : 8260C / 624 WATERS



AutoFind: Scans 1510, 1511, 1512; Background Corrected with Scan 1504

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	23701	PASS
75	95	30	60	50.0	57880	PASS
95	95	100	100	100.0	115787	PASS
96	95	5	9	7.2	8306	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	103.4	119684	PASS
175	174	5	9	8.7	10402	PASS
176	174	95	101	96.8	115896	PASS
177	176	5	9	7.3	8472	PASS

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:41 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	285076	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	366306	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	169982	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	206519	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	136555	51.98	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	103.96%
43) surr1,1,2-dichloroethane-d	4.47	65	147002	51.66	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	103.32%
65) SURR3,Toluene-d8	7.89	98	408551	55.08	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.16%
86) SURR2,BFB	10.25	95	172525	54.19	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	108.38%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.12	85	201762	47.45	ug/L	100
3) Chloromethane	1.19	50	134831	47.76	ug/L	99
4) Vinyl Chloride	1.27	62	200602	57.63	ug/L	99
5) Bromomethane	1.44	94	108747	51.84	ug/L	99
6) Chloroethane	1.51	64	80057	46.95	ug/L	97
7) Freon 21	1.53	67	240776	46.52	ug/L	96
8) Freon 123	1.71	83	154694	48.13	ug/L	99
9) Freon 123a	1.74	67	120904m	47.34	ug/L	
10) Acrolein	1.79	56	28498	126.32	ug/L	98
11) Trichlorofluoromethane	1.79	101	194008	49.88	ug/L	96
12) Acetonitrile	1.80	41	37957m	244.64	ug/L	
13) 2-Propanol	1.83	45	96570	905.08	ug/L	95
14) Acetone	1.86	43	30433	57.03	ug/L	95
15) Diethyl Ether	1.94	59	62085	45.19	ug/L	97
16) 1,1-Dicethene	2.10	96	90681	46.16	ug/L	99
17) Iodomethane	2.11	142	148347	46.48	ug/L	99
18) TBA	2.13	59	183011m	1001.07	ug/L	
19) Acrylonitrile	2.14	53	142645	241.29	ug/L	92
20) Methylene Chloride	2.20	84	102772	49.25	ug/L	99
21) Freon 113	2.25	101	104763	46.69	ug/L	96
22) Methyl Acetate	2.25	43	63148	35.89	ug/L	95
23) Allyl Chloride	2.26	76	44976	55.61	ug/L	89
24) Carbon Disulfide	2.31	76	285973	47.60	ug/L	99
25) trans-1,2-Dichloroethene	2.69	96	97985	46.82	ug/L	99
26) Methyl-t-Butyl Ether	2.81	73	261547	48.63	ug/L	99
27) 1,1-Dicethane	2.90	63	159460	50.22	ug/L	99
28) Propionitrile	2.92	54	55345	259.78	ug/L	98
29) Vinyl Acetate	3.09	43	186362	49.40	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.26	53	151942	54.12	ug/L	94
31) 2-Butanone	3.35	43	35654	49.79	ug/L	93
32) Methacrylonitrile	3.45	67	35996	51.84	ug/L	88
33) cis-1,2-Dichloroethene	3.47	96	112189	50.20	ug/L	100
34) Bromochloromethane	3.64	128	58865	46.43	ug/L	96
35) Chloroform	3.72	83	187766	49.33	ug/L	96
36) 2,2-Dichloropropane	3.79	77	165947	47.81	ug/L	97
37) Ethyl Acetate	3.82	43	75319	50.29	ug/L	98
38) Tetrahydrofuran	4.13	42	20600	47.94	ug/L	92
39) 1,1,1-Trichloroethane	4.72	97	178866	48.40	ug/L	94
42) Iso-Butyl Alcohol	3.96	42	42059	1026.67	ug/L	95

(#)=qualifier out of range (m)=manual integration

D7735.D W082417.M Fri Aug 25 11:41:36 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:41 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-Dichloroethane	4.59	64	45955	45.79	ug/L	96
45) 2-Methyl-1,3-Dioxolane	4.81	73	57602	237.16	ug/L	92
46) 1,1-Dichloropropene	5.08	75	128827	48.55	ug/L	96
47) Cyclohexane	5.16	56	125009	45.87	ug/L	90
48) Carbontetrachloride	5.31	119	155252	52.64	ug/L	97
49) Benzene	5.40	78	338905	47.20	ug/L	99
50) Isopropyl Acetate	5.40	43	172918	48.80	ug/L	95
51) Dibromomethane	6.17	93	71838	47.33	ug/L	99
52) 1,2-Dichloropropane	6.24	63	89645	48.88	ug/L	100
53) n-Heptane	6.35	43	100038	49.83	ug/L	96
54) Trichloroethene	6.32	130	119931	50.49	ug/L	98
55) Bromodichloromethane	6.37	83	148062	52.14	ug/L	99
56) 1,4-Dioxane	6.58	88	18783m	1021.49	ug/L	
57) Epichlorohydrin	6.74	57	37699	257.15	ug/L	92
58) Methyl Methacrylate	6.75	69	60508	48.88	ug/L	94
59) Methylcyclohexane	6.90	55	102662	48.53	ug/L	97
60) 2-Chloroethylvinyl Ether	7.02	63	55206	48.01	ug/L	96
61) cis-1,3-Dichloropropene	7.18	75	157727	49.63	ug/L	98
62) 4-Methyl-2-pentanone	7.37	43	80715	49.08	ug/L	99
63) trans-1,3-Dichloropropene	7.66	75	149036	49.92	ug/L	98
64) 1,1,2-Trichloroethane	7.77	97	93922	51.98	ug/L	98
66) Toluene	7.96	91	389190	47.75	ug/L	100
68) 1,3-Dichloropropane	8.01	76	132016	46.39	ug/L	98
69) Ethyl Methacrylate	8.20	69	115322	50.20	ug/L	97
70) Dibromochloromethane	8.21	129	124021	53.06	ug/L	100
71) 2-Hexanone	8.26	43	59224	51.63	ug/L	99
72) 1,2-Dibromoethane	8.43	107	109573	53.39	ug/L	98
73) n-Butyl Acetate	8.63	43	136536	52.03	ug/L	99
74) Tetrachloroethene	8.63	164	104098	51.29	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.16	131	114789	54.12	ug/L	96
76) Chlorobenzene	9.22	112	269902	50.25	ug/L	99
77) Ethylbenzene	9.44	106	149011	52.61	ug/L	99
78) Bromoform	9.61	173	91667	58.26	ug/L	98
79) (m+p)Xylene	9.61	106	363187	102.44	ug/L	99
80) o-Xylene	9.94	106	179085	52.50	ug/L	98
81) Cyclohexanone	9.84	55	65597	1004.30	ug/L	92
82) Styrene	9.88	104	283650	52.03	ug/L	99
83) Amyl Acetate	9.99	43	189335	52.91	ug/L	99
84) trans-1,4-Dichloro-2-Buten	10.11	75	42542	53.63	ug/L	92
85) Isopropylbenzene	10.25	105	434556	49.93	ug/L	100
88) 1,1,2,2-Tetrachloroethane	9.92	83	125941	51.05	ug/L	98
89) 1,2,3-Trichloropropane	10.04	75	88133	47.33	ug/L	99
90) Bromobenzene	10.39	156	146478	47.84	ug/L	99
91) n-Propylbenzene	10.61	91	485039	44.31	ug/L	99
92) 2-Chlorotoluene	10.65	91	292854	45.99	ug/L	98
93) 4-Chlorotoluene	10.71	91	319127	46.61	ug/L	100
94) 1,3,5-Trimethylbenzene	10.87	105	360104	47.40	ug/L	99
95) tert-Butylbenzene	11.07	119	307898	46.61	ug/L	99
96) 1,2,4-Trimethylbenzene	11.17	105	380012	46.66	ug/L	99
97) sec-Butylbenzene	11.24	105	451282	47.92	ug/L	99
98) 1,3-Dclbenz	11.26	146	259984	49.94	ug/L	100
99) 1,4-Dclbenz	11.31	146	259253	49.14	ug/L	99
100) p-Isopropyltoluene	11.41	119	393884	50.74	ug/L	99
101) 1,2-Dclbenz	11.58	146	240995	46.27	ug/L	99

(#)=qualifier out of range (m)=manual integration

D7735.D W082417.M Fri Aug 25 11:41:37 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D Vial: 18
Acq On : 24 Aug 2017 4:05 pm Operator: D.Lipani
Sample : ICV Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:41 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) n-Butylbenzene	11.72	91	361184	50.49	ug/L	99
103) 1,2-Dibromo-3-chloropropan	11.94	75	23870	52.54	ug/L	96
104) Nitrobenzene	12.13	77	2801m	87.28	ug/L	
105) 1,2,4-Tcbenzene	13.01	180	175423	48.90	ug/L	98
106) Naphthalen	13.20	128	336803	49.65	ug/L	100
107) Hexachlorobt	13.28	225	87384	49.72	ug/L	99
108) 1,2,3-Tclbenzene	13.36	180	157845	51.13	ug/L	100

Quantitation Report

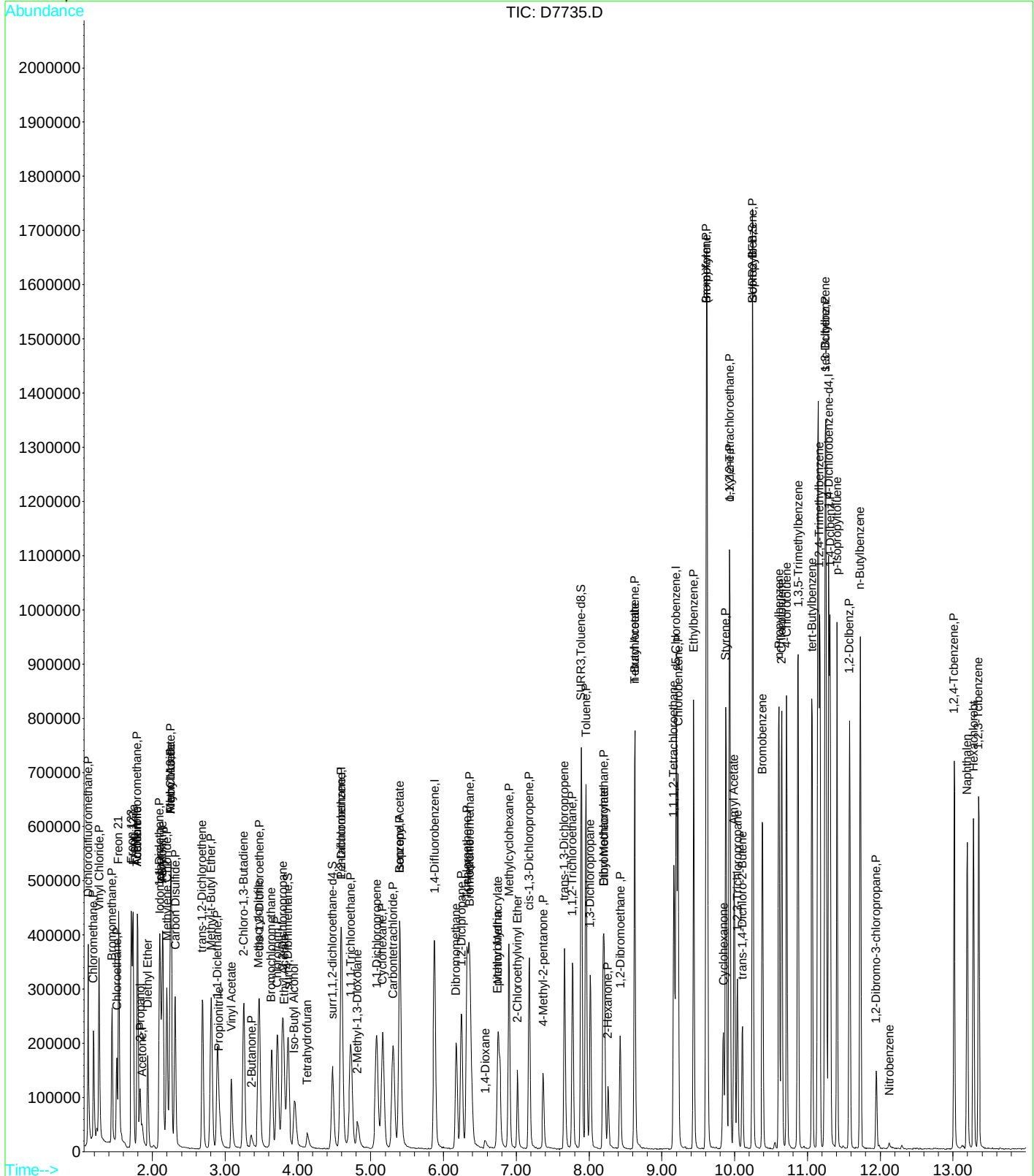
1st DL 08/25/17
2nd FU 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D
Acq On : 24 Aug 2017 4:05 pm
Sample : ICV
Misc : 8260C / 624 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:41 2017

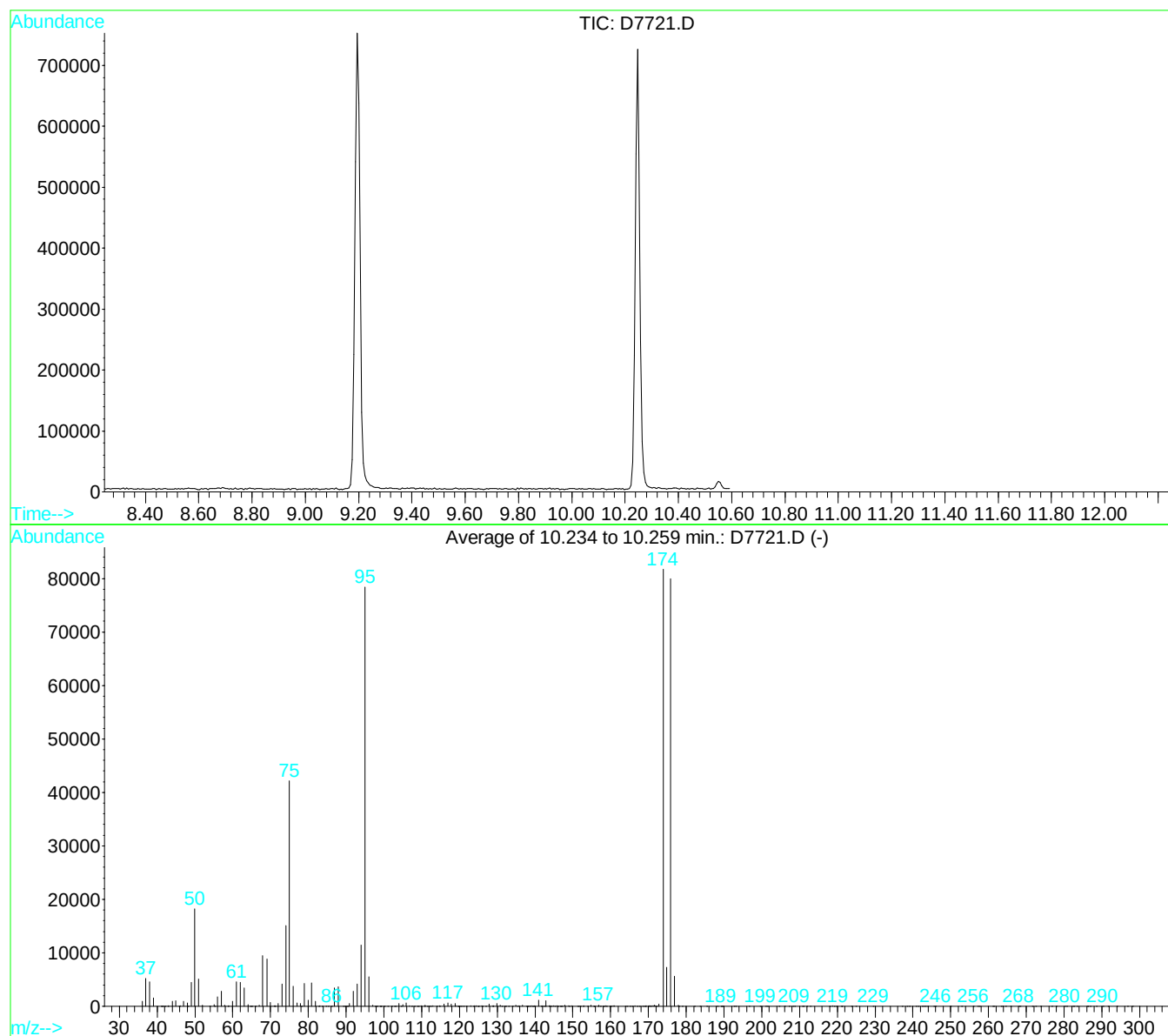
Vial: 18
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7721.D Vial: 4
 Acq On : 24 Aug 2017 8:37 am Operator: D.Lipani
 Sample : TUNE CHECK Inst : MS#6
 Misc : 8260C / 624 Multiplr: 1.00
 MS Integration Params: CPD4.P
 Method : I:\ACQUDATA\MSV0A6\METHODS\W041117.M (RTE Integrator)
 Title : 8260C / 624 WATERS



Spectrum Information: Average of 10.234 to 10.259 min.

Sub Scan = 1205

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	18244	PASS
75	95	30	60	53.7	42131	PASS
95	95	100	100	100.0	78433	PASS
96	95	5	9	7.1	5547	PASS
173	174	0.00	2	0.5	372	PASS
174	95	50	120	104.2	81707	PASS
175	174	5	9	9.0	7335	PASS
176	174	95	101	97.8	79938	PASS
177	176	5	9	7.0	5605	PASS

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7722.D

Vial: 5

Acq On : 24 Aug 2017 9:07 am

Operator: D.Lipani

Sample : INST BLK

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 13:33 2017

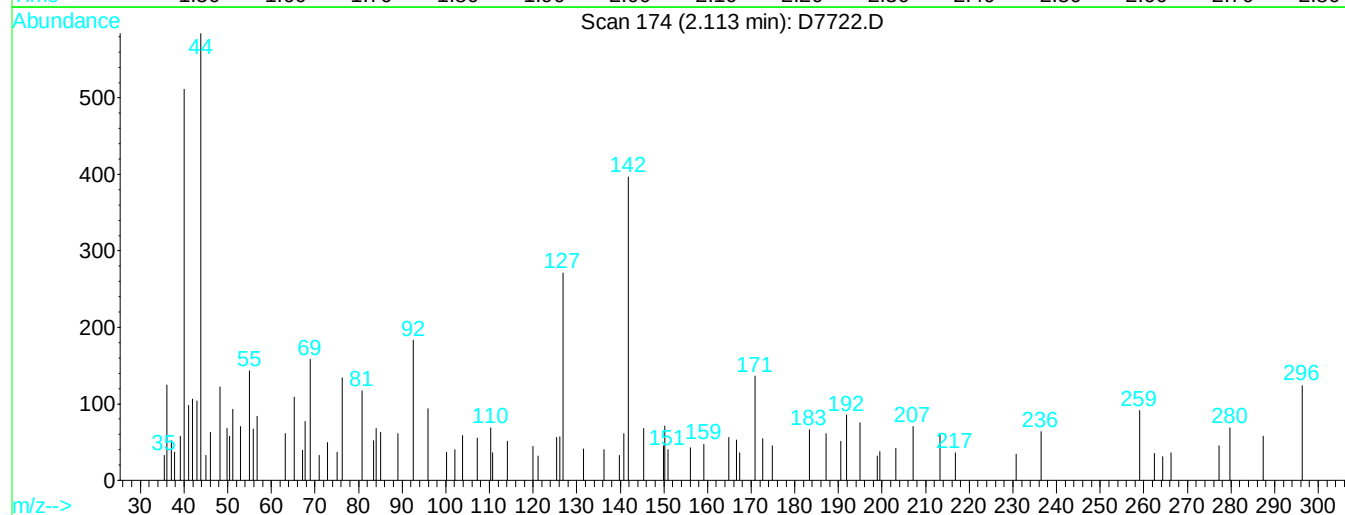
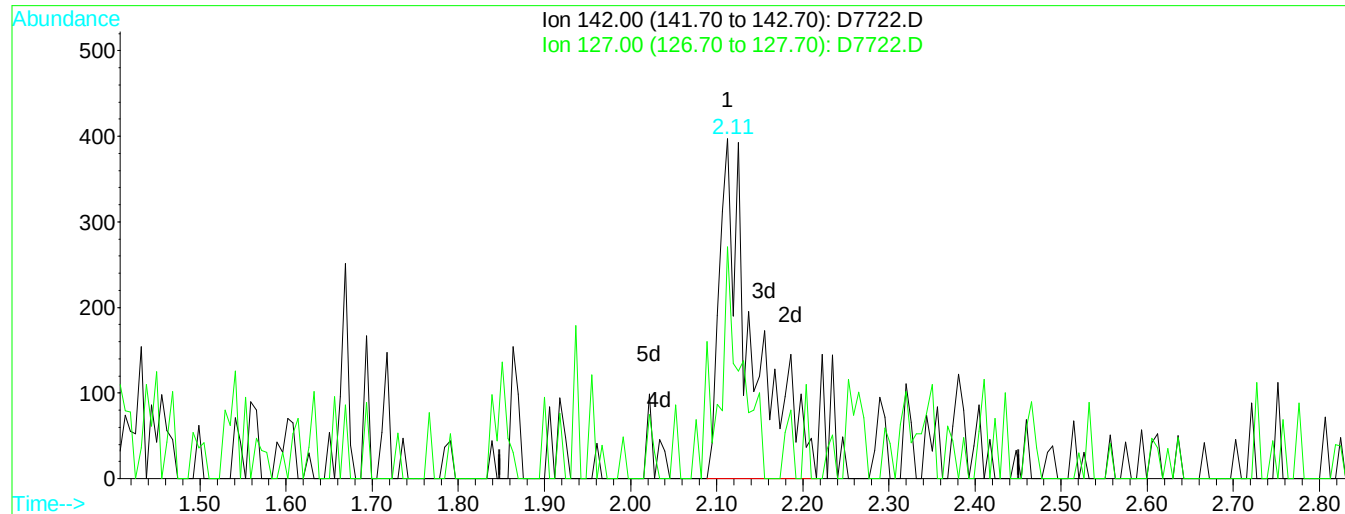
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D7722.D

(17) Iodomethane

Manual Integration:

2.11min 0.36ug/L m

After

response 1071

Split Peak.

Ion	Exp%	Act%
142.00	100	100
127.00	48.60	68.26
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7722.D

Vial: 5

Acq On : 24 Aug 2017 9:07 am

Operator: D.Lipani

Sample : INST BLK

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 13:32 2017

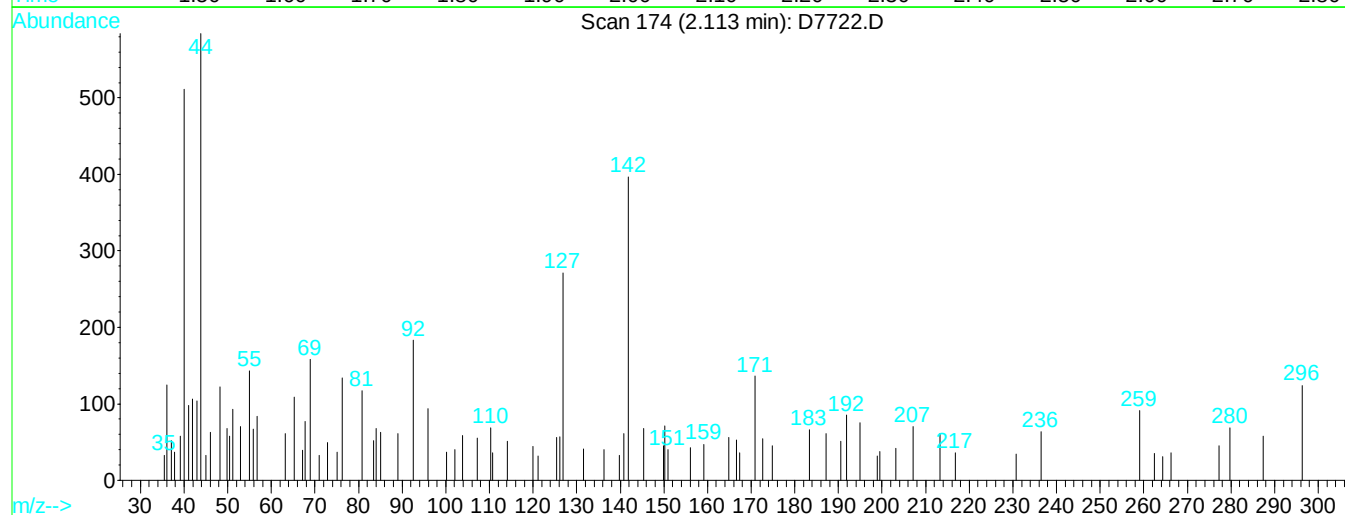
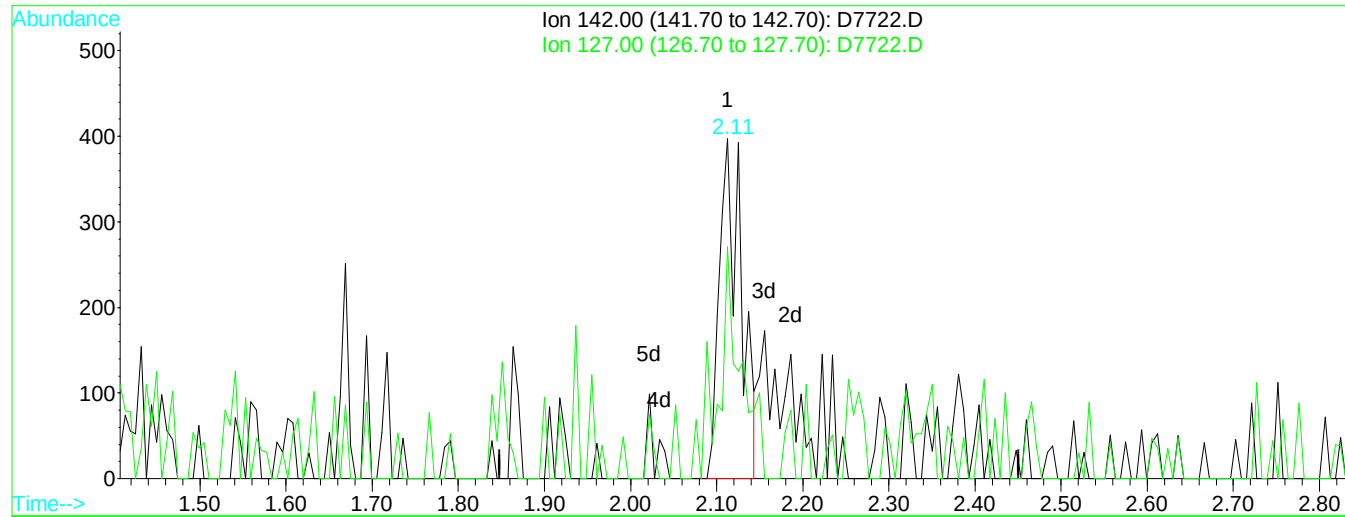
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D7722.D

(17) Iodomethane

Manual Integration:

2.11min 0.24ug/L

Before

response 700

Ion	Exp%	Act%
142.00	100	100
127.00	48.60	68.26
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7722.D

Vial: 5

Acq On : 24 Aug 2017 9:07 am

Operator: D.Lipani

Sample : INST BLK

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 13:35 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	265908	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	352263	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	161327	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	181537	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	129063	51.08	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	102.16%
43) surr1,1,2-dichloroethane-d	4.47	65	138603	50.65	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	101.30%
65) SURR3,Toluene-d8	7.89	98	379301	53.18	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	106.36%
86) SURR2,BFB	10.25	95	156742	51.87	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.74%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
17) Iodomethane	2.11	142	1071m	0.36	ug/L	
38) Tetrahydrofuran	4.13	42	200	0.50	ug/L	# 35

Quantitation Report

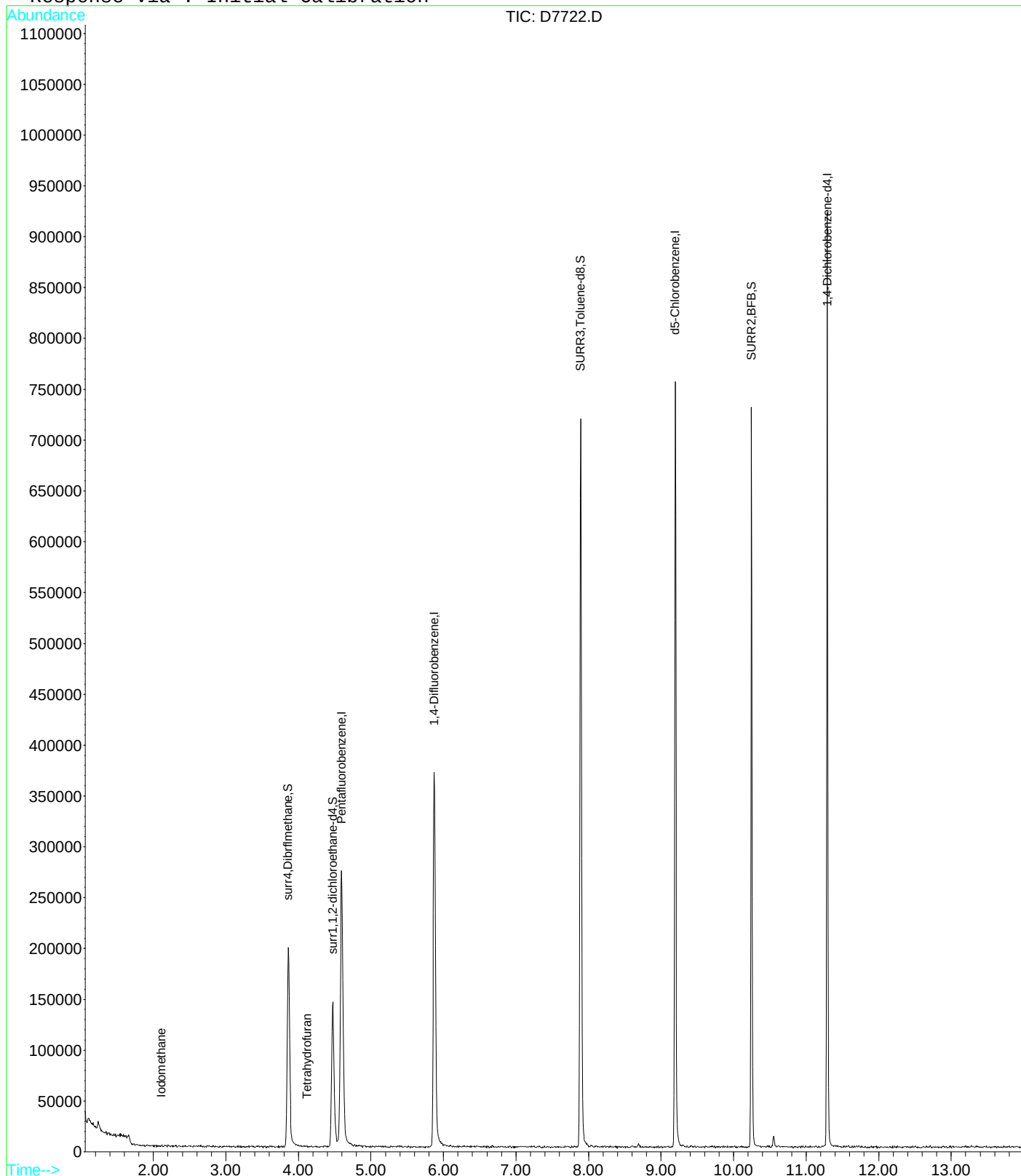
1st *DL* 08/25/17
2nd *FJ* 08/26/17

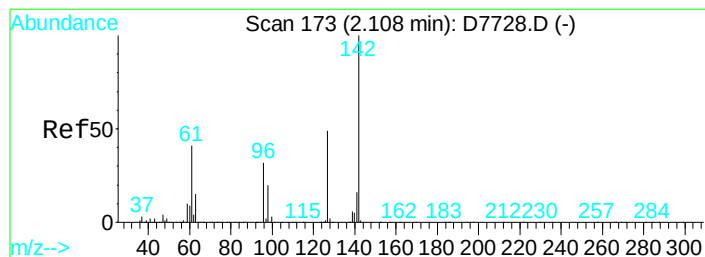
Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7722.D
Acq On : 24 Aug 2017 9:07 am
Sample : INST BLK
Misc : 8260C / 624 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 25 13:35 2017

Vial: 5
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

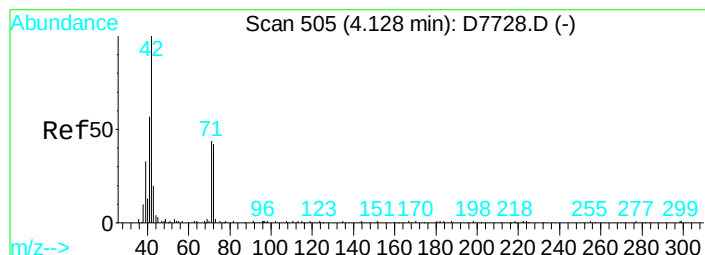
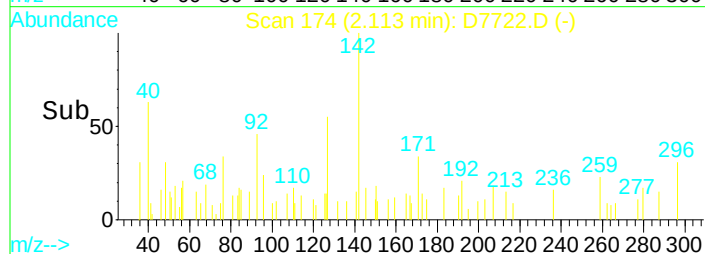
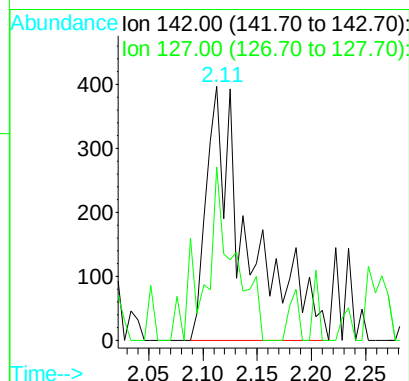
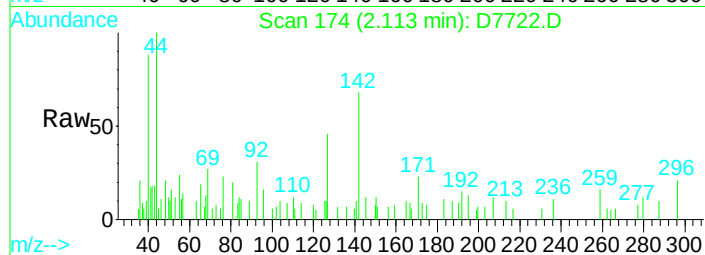
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





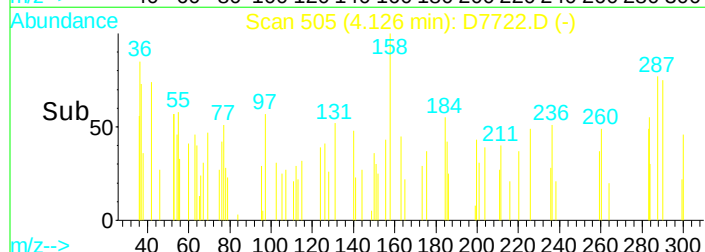
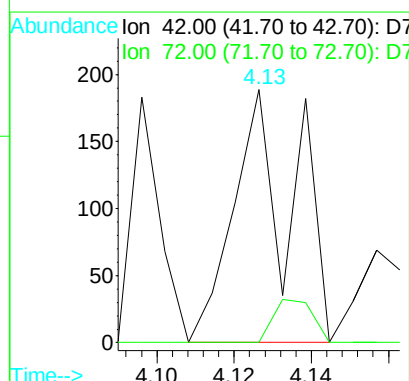
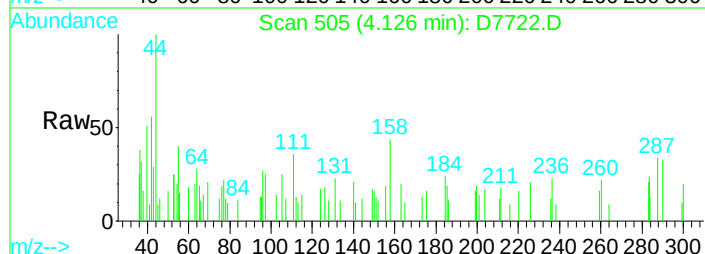
#17
 Iodomethane
 Concen: 0.36 ug/L m
 RT: 2.11 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: D7722.D
 Acq: 24 Aug 2017 9:07 am

Tgt Ion: 142 Resp: 1071
 Ion Ratio Lower Upper
 142 100
 127 68.3 28.6 68.6



#38
 Tetrahydrofuran
 Concen: 0.50 ug/L
 RT: 4.13 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: D7722.D
 Acq: 24 Aug 2017 9:07 am

Tgt Ion: 42 Resp: 200
 Ion Ratio Lower Upper
 42 100
 72 0.0 20.5 60.5#



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D

Vial: 6

Acq On : 24 Aug 2017 9:44 am

Operator: D.Lipani

Sample : STD #1 - 0.5 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 8:53 2017

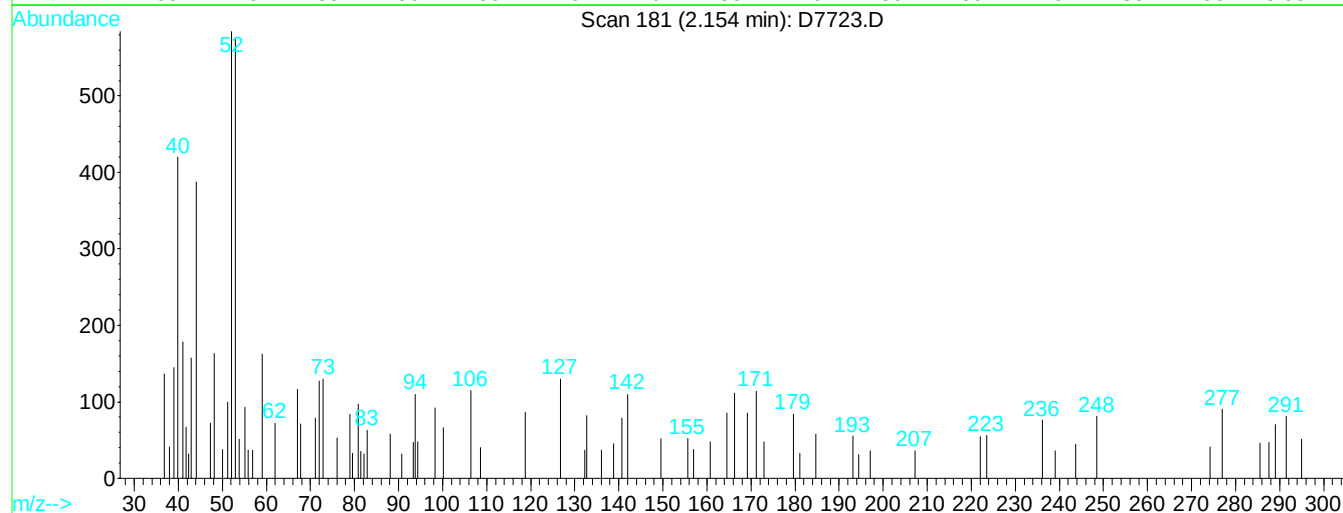
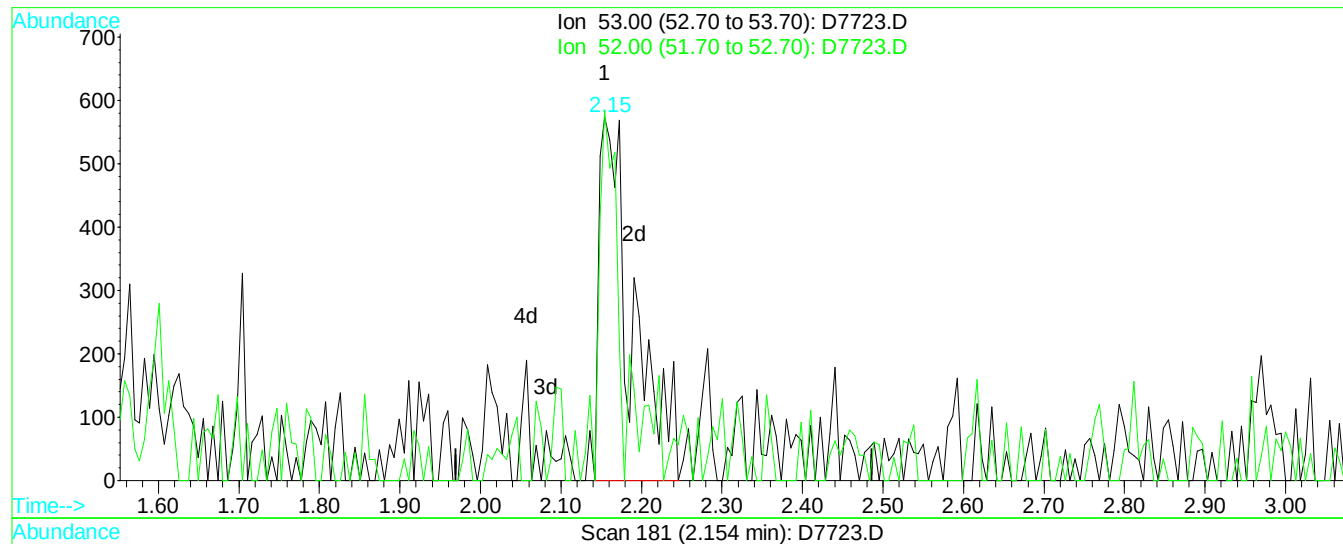
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:40:01 2017

Response via : Multiple Level Calibration



TIC: D7723.D

(19) Acrylonitrile

Manual Integration:

2.15min 2.95ug/L m

After

response 1626

Split Peak.

Ion	Exp%	Act%

08/25/17

53.00	100	100

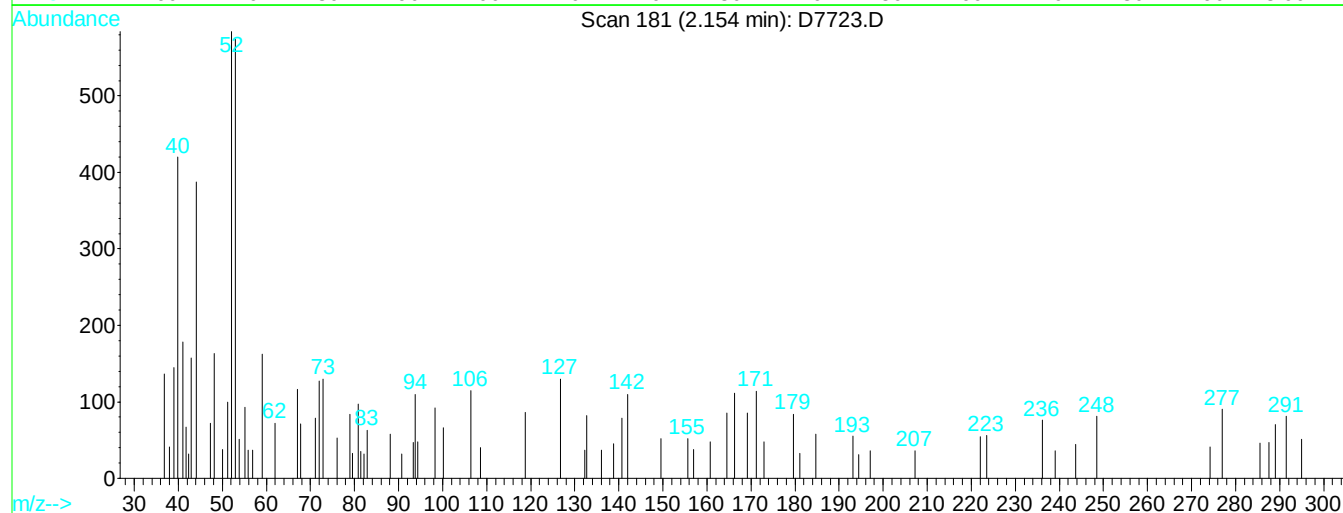
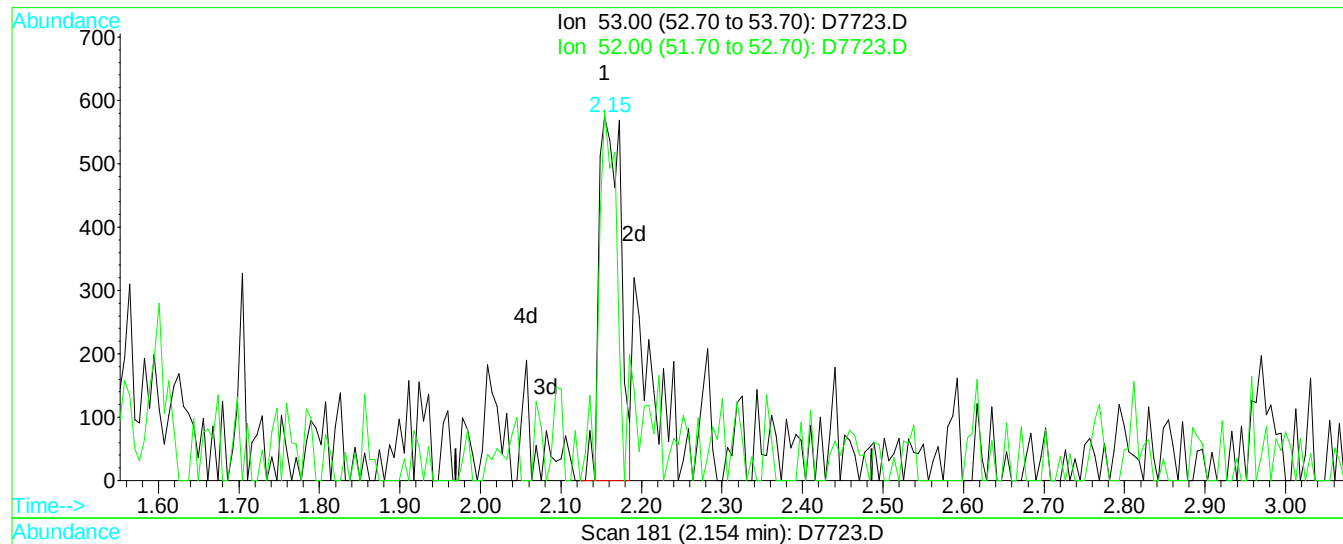
52.00	83.80	101.74

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 8:53 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(19) Acrylonitrile

Manual Integration:

2.15min 1.98ug/L

Before

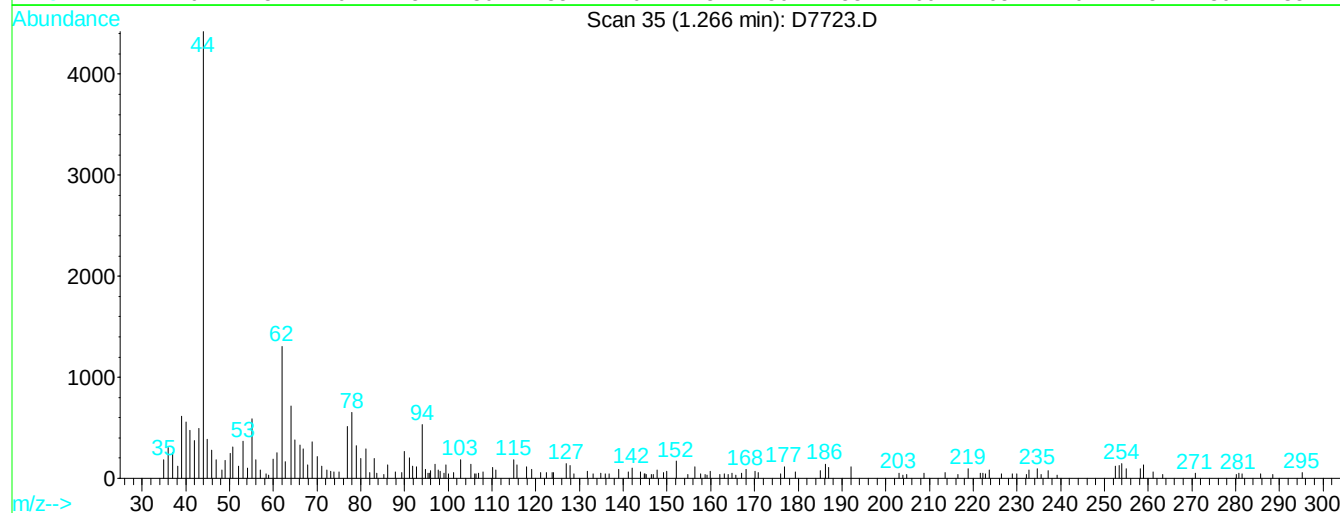
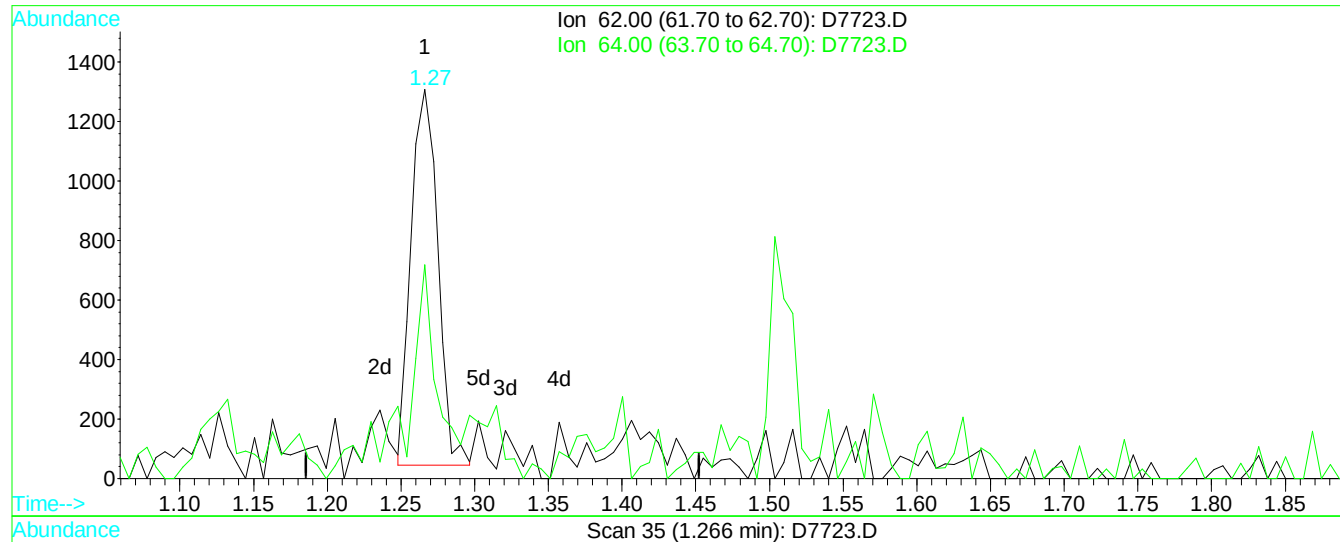
response 1089

Ion	Exp%	Act%
53.00	100	100
52.00	83.80	101.74
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:02 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(4) Vinyl Chloride (P)

1.27min 0.49ug/L m

response 1595

Ion	Exp%	Act%
62.00	100	100
64.00	35.30	54.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D

Vial: 6

Acq On : 24 Aug 2017 9:44 am

Operator: D.Lipani

Sample : STD #1 - 0.5 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:00 2017

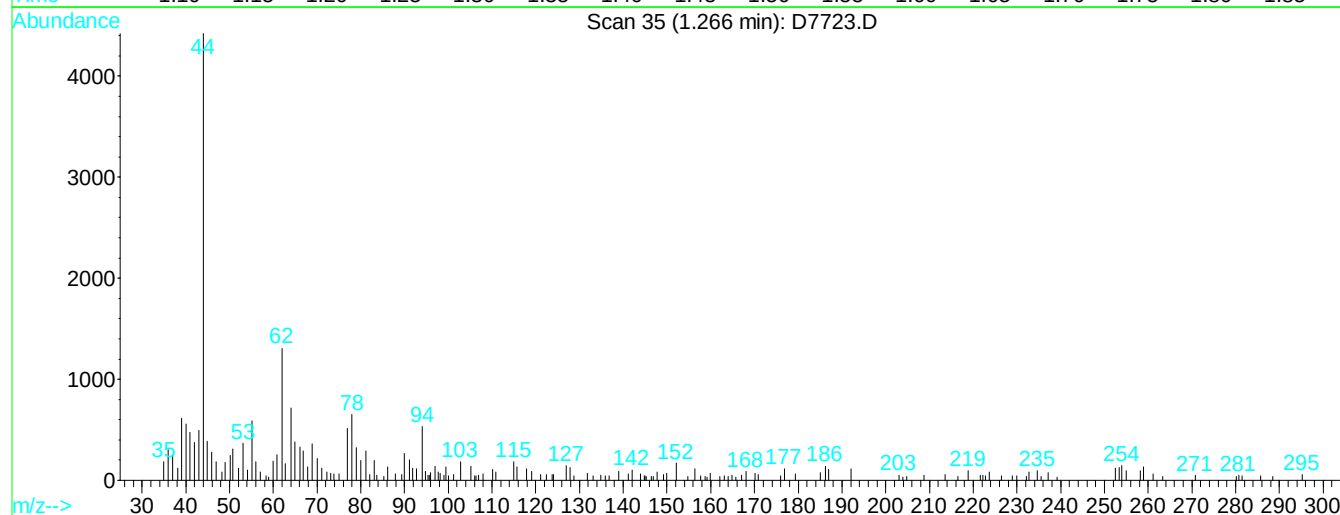
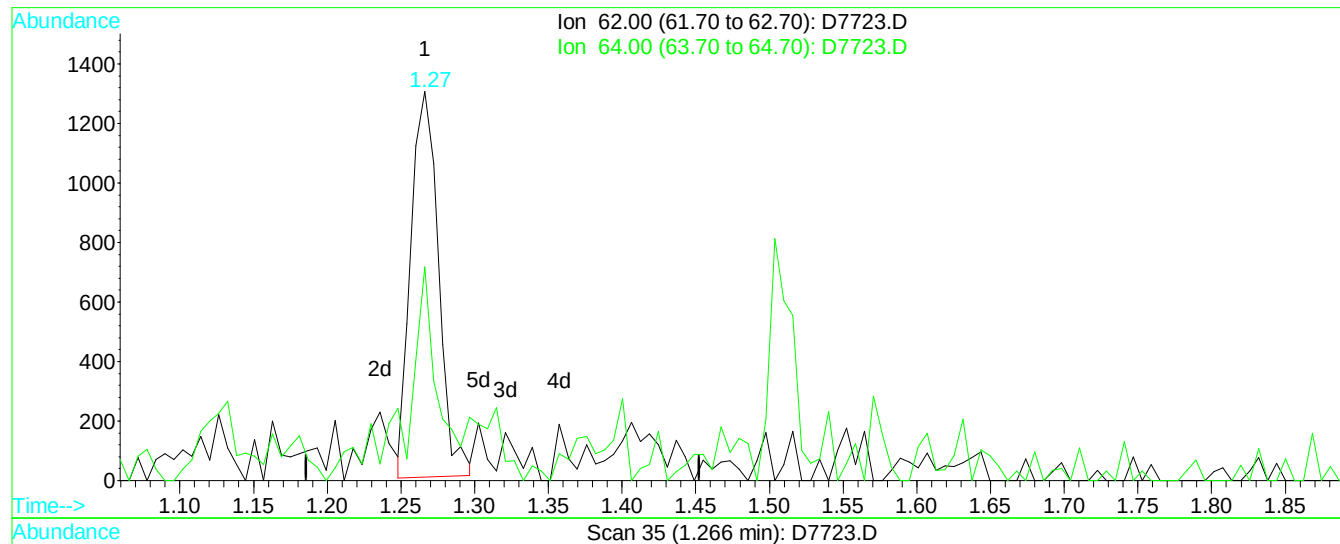
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:40:01 2017

Response via : Multiple Level Calibration



TIC: D7723.D

(4) Vinyl Chloride (P)

Manual Integration:

1.27min 0.52ug/L

Before

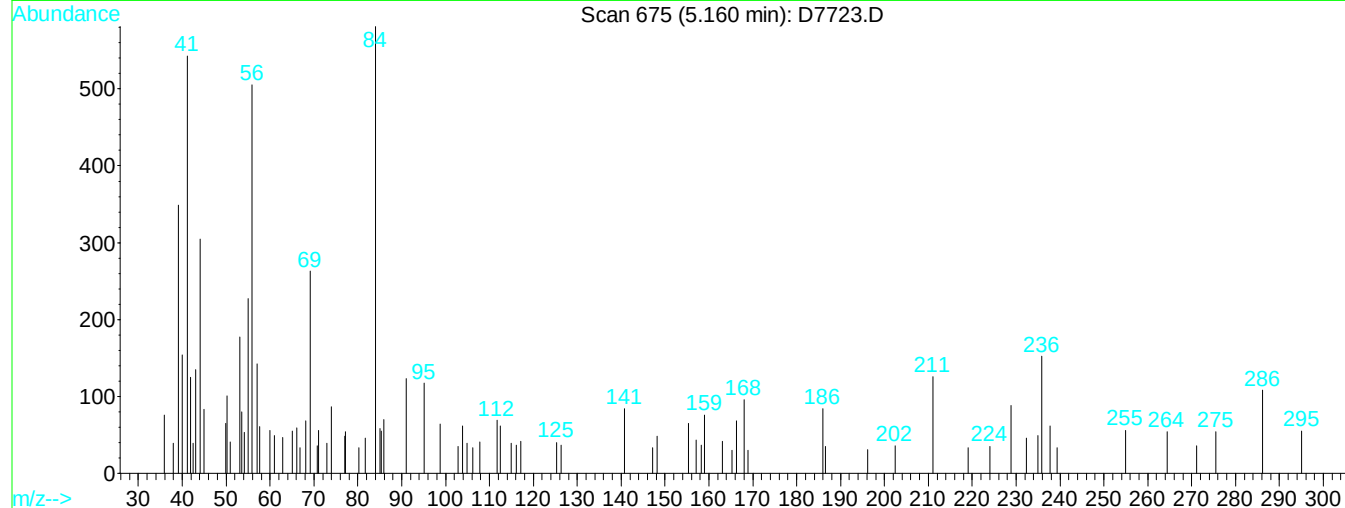
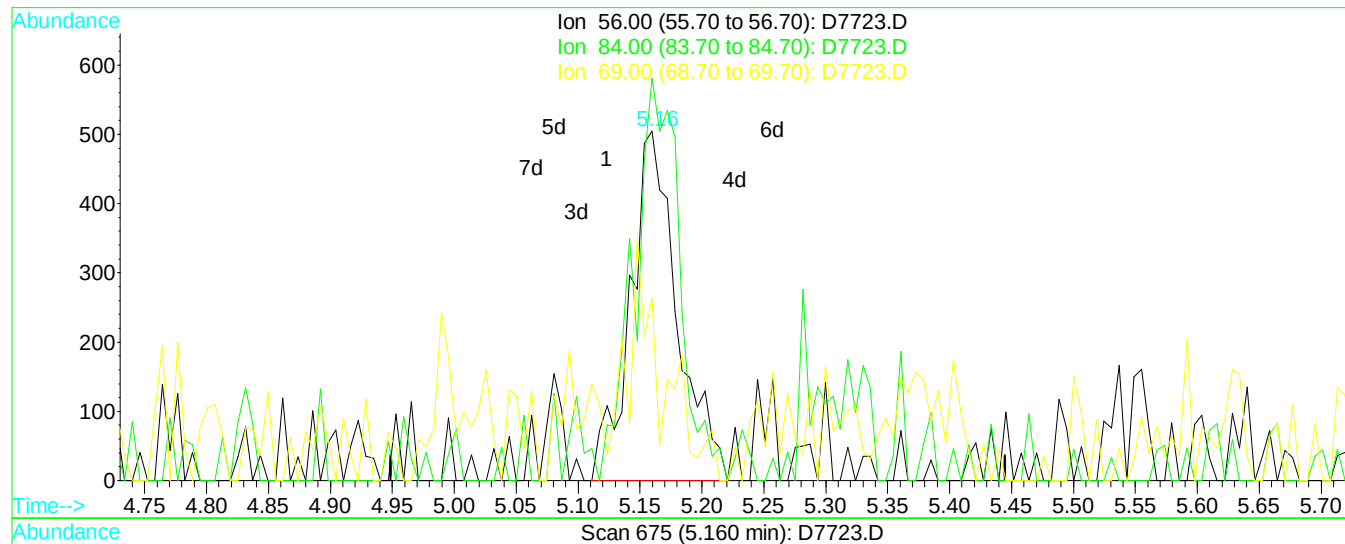
response 1689

Ion	Exp%	Act%
62.00	100	100
64.00	35.30	54.93
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:07 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(47) Cyclohexane (P)

Manual Integration:

5.16min 0.52ug/L m

After

response 1329

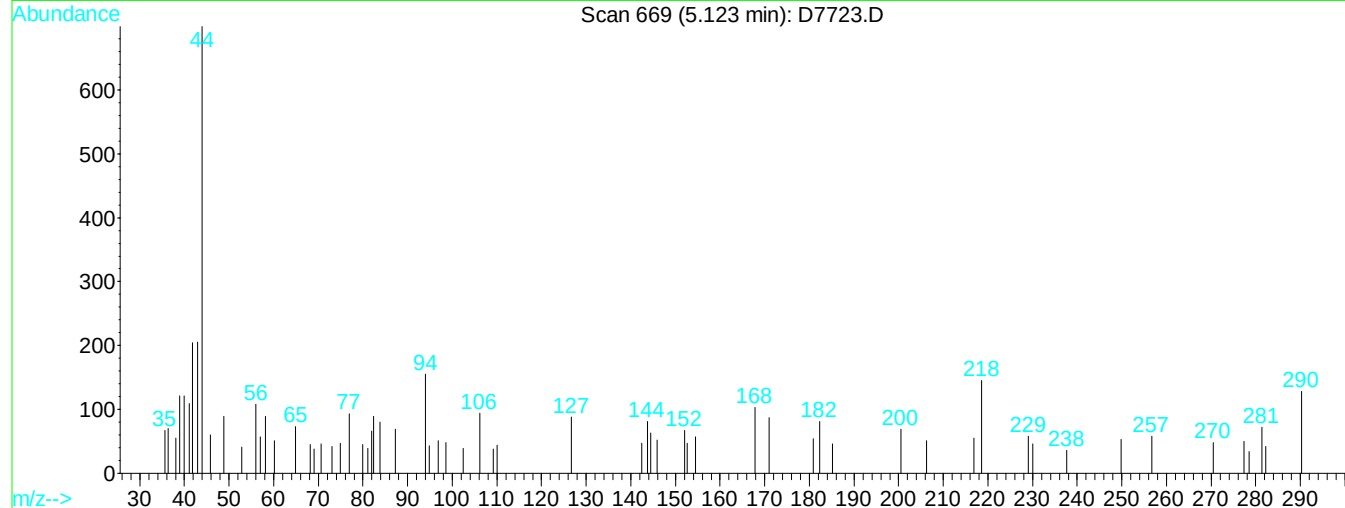
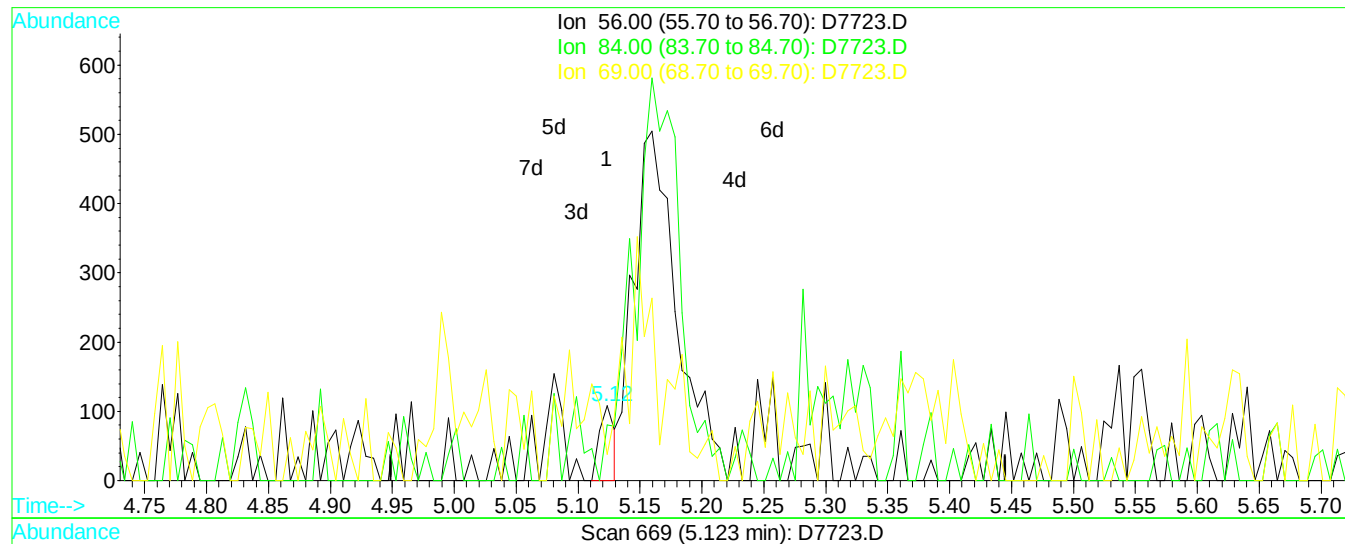
Split Peak.

08/25/17

Ion	Exp%	Act%
56.00	100	100
84.00	92.00	115.05#
69.00	31.60	52.08#
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:07 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(47) Cyclohexane (P)

Manual Integration:

5.12min 0.04ug/L

Before

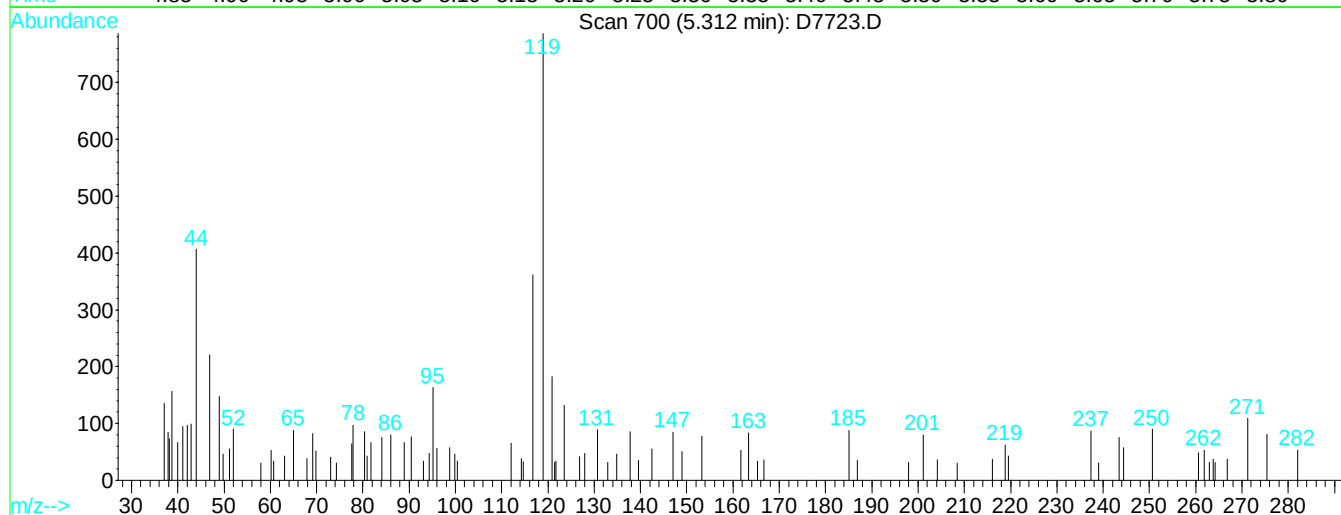
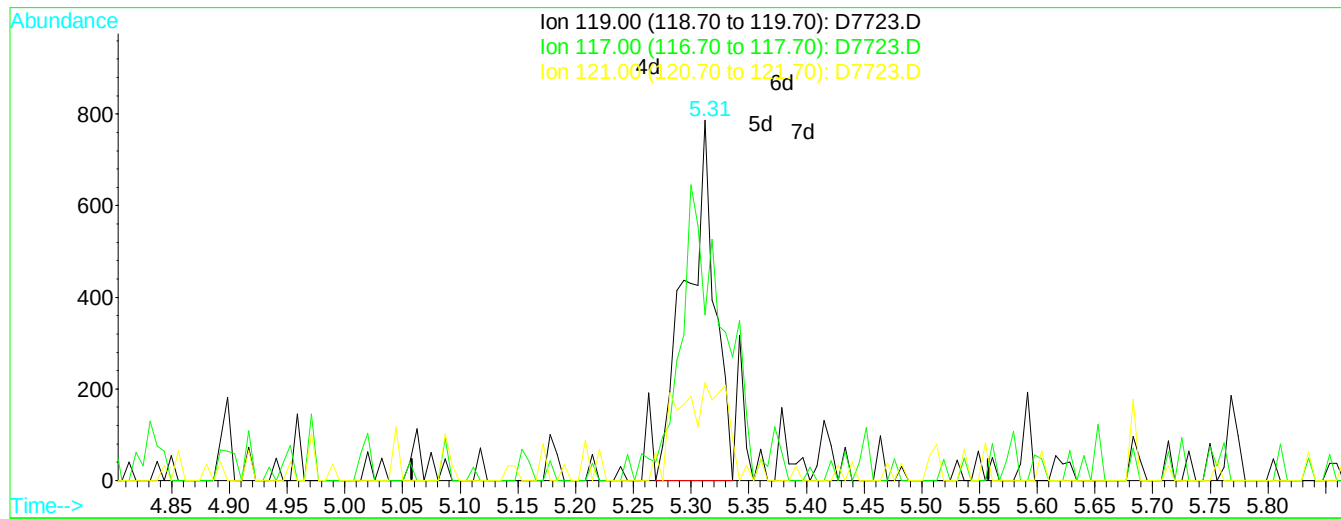
response 93

Ion	Exp%	Act%
56.00	100	100
84.00	92.00	74.07
69.00	31.60	35.19
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:08 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(48) Carbontetrachloride (P)

Manual Integration:

5.31min 0.49ug/L m

After

response 1363

Split Peak.

Ion	Exp%	Act%

08/25/17

119.00	100	100

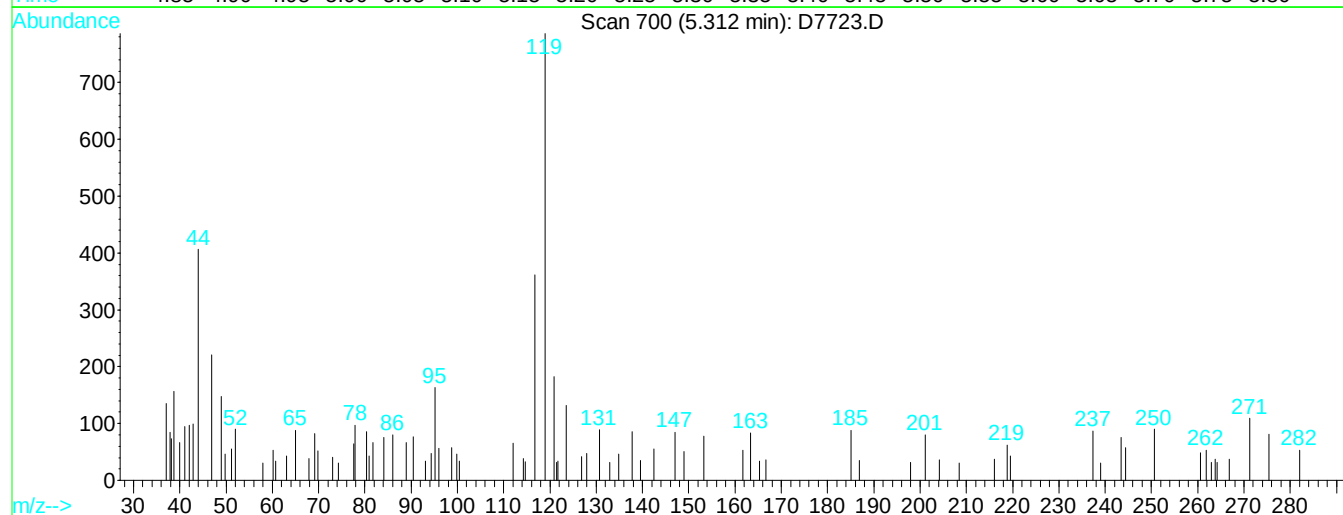
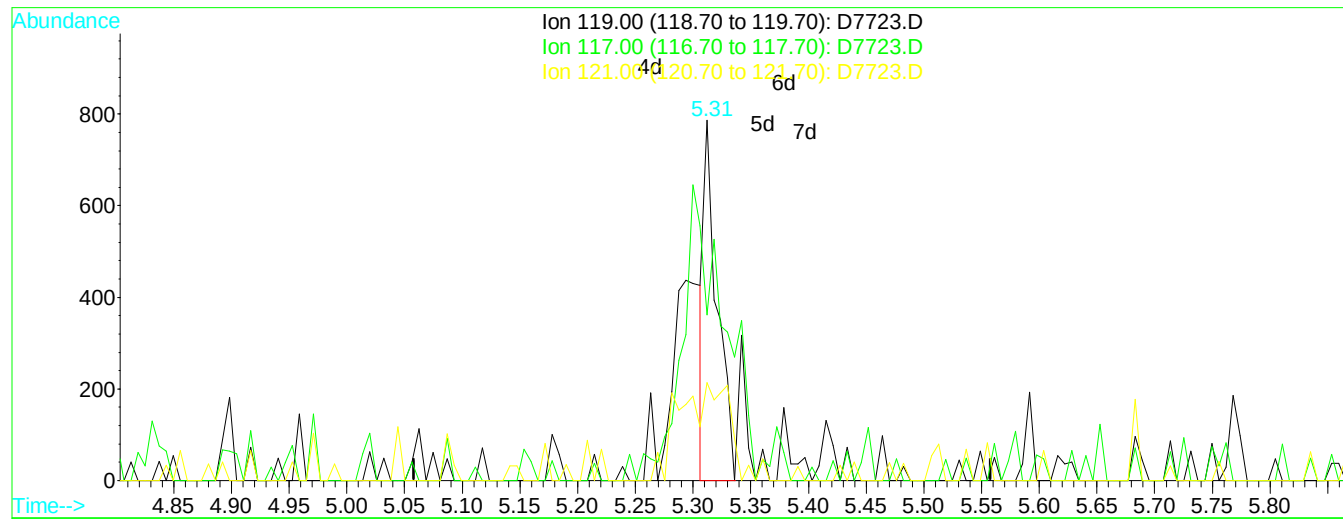
117.00	96.70	46.06#

121.00	33.20	23.16

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:07 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(48) Carbontetrachloride (P)

Manual Integration:

5.31min 0.23ug/L

Before

response 640

Ion	Exp%	Act%

08/25/17

119.00	100	100

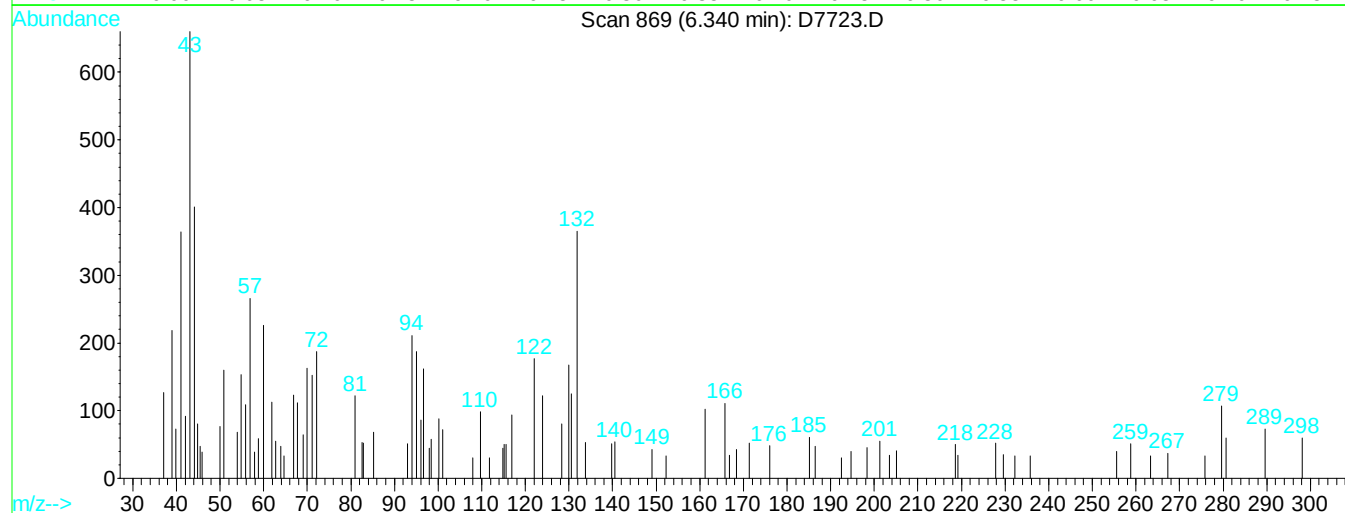
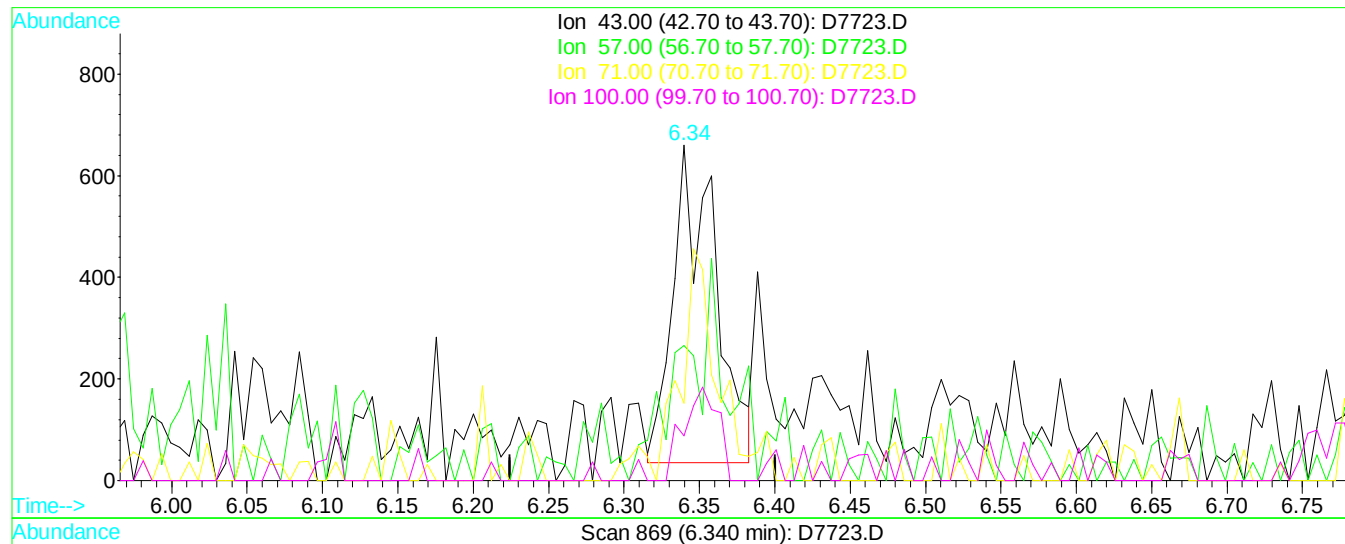
117.00	96.70	46.06#

121.00	33.20	31.55

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:09 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(53) n-Heptane

6.34min 0.65ug/L m

response 1222

Ion	Exp%	Act%
43.00	100	100
57.00	55.20	40.30
71.00	56.30	23.03#
100.00	17.70	13.33

Manual Integration:

After

Peak not found.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D

Vial: 6

Acq On : 24 Aug 2017 9:44 am

Operator: D.Lipani

Sample : STD #1 - 0.5 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:08 2017

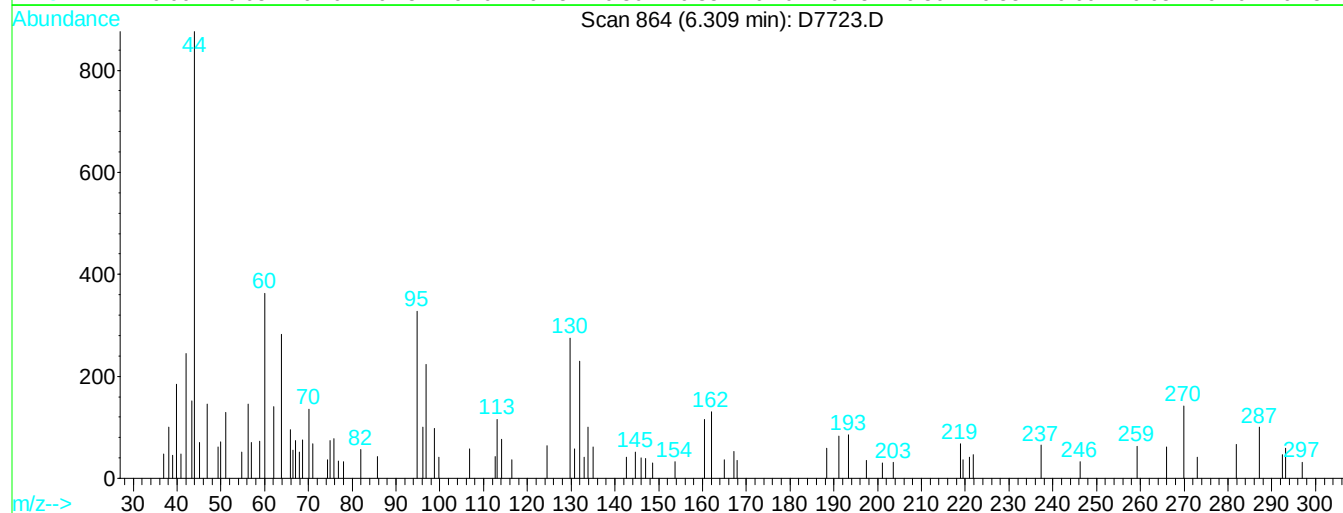
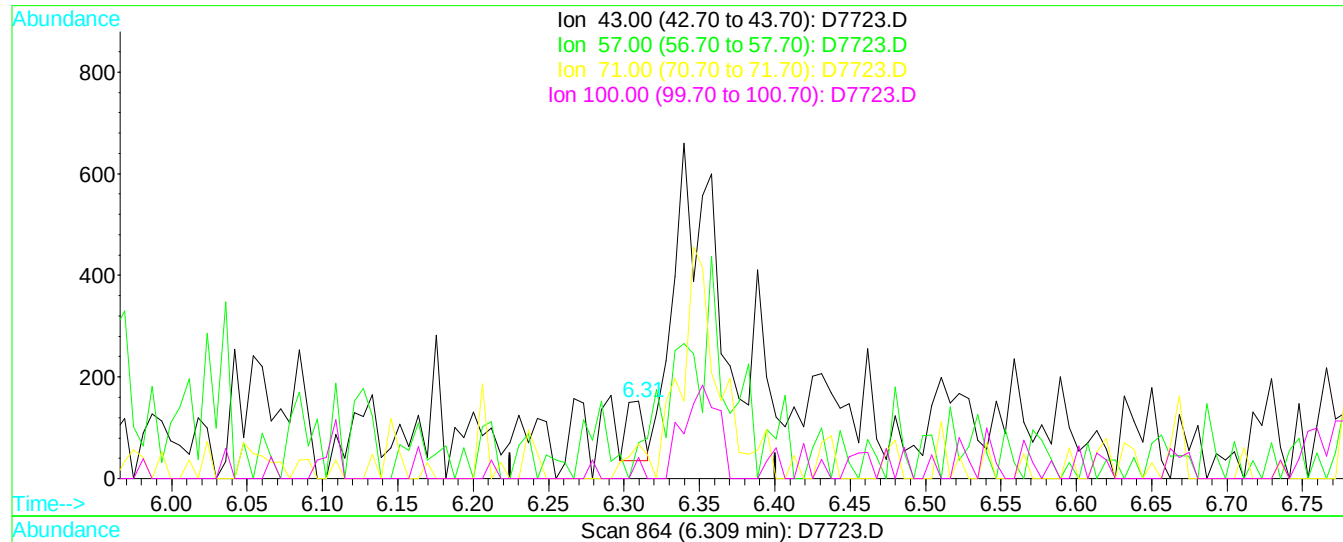
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:40:01 2017

Response via : Multiple Level Calibration



TIC: D7723.D

(53) n-Heptane

Manual Integration:

6.31min 0.05ug/L

Before

response 91

Ion	Exp%	Act%
43.00	100	100
57.00	55.20	46.05
71.00	56.30	44.74
100.00	17.70	27.63

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D

Vial: 6

Acq On : 24 Aug 2017 9:44 am

Operator: D.Lipani

Sample : STD #1 - 0.5 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:10 2017

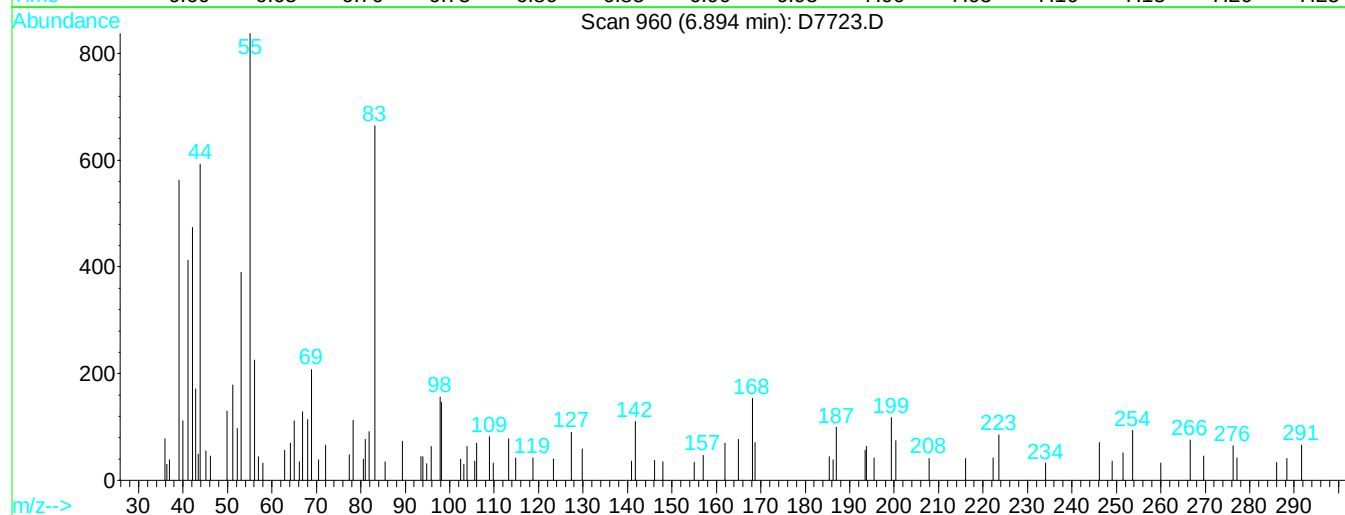
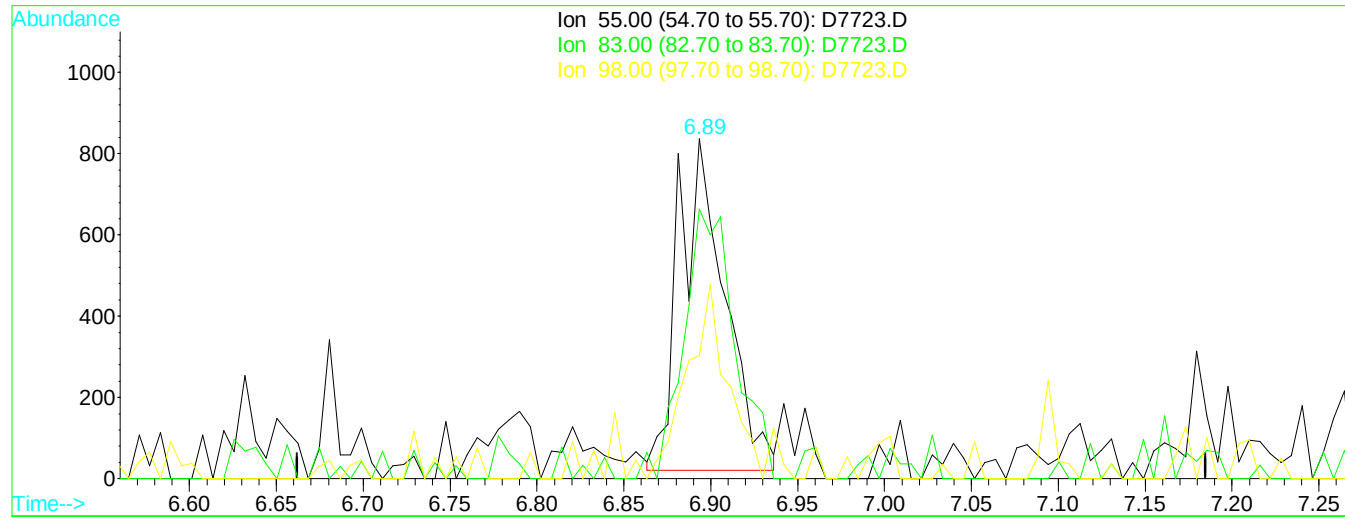
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:40:01 2017

Response via : Multiple Level Calibration



TIC: D7723.D

(59) Methylcyclohexane (P)

Manual Integration:

6.89min 0.71ug/L m

After

response 1507

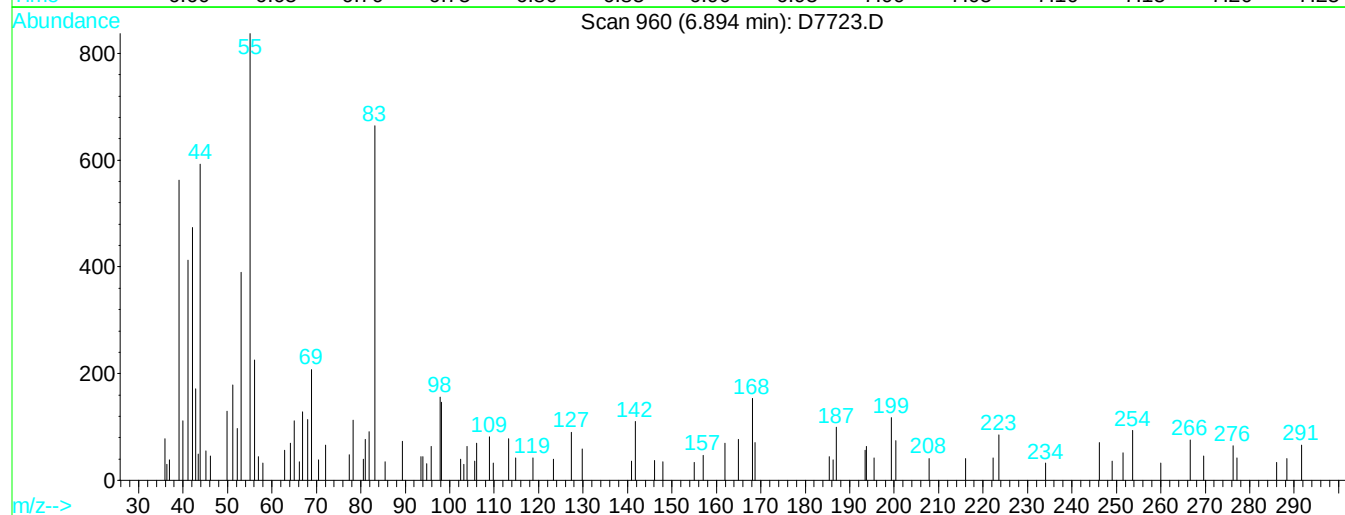
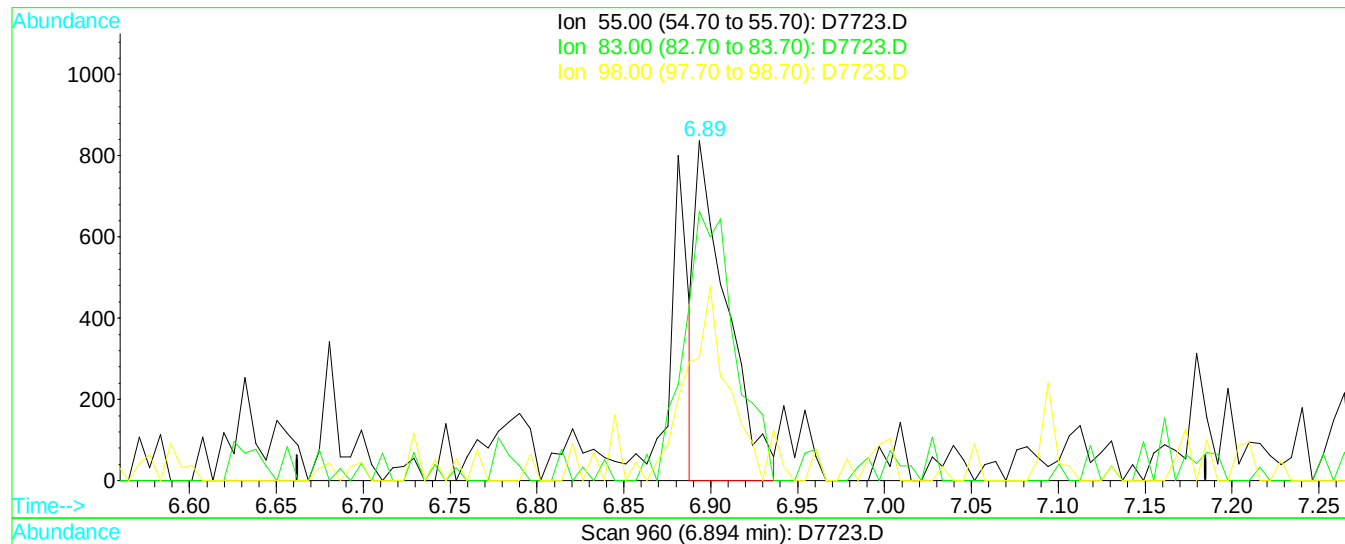
Split Peak.

Ion	Exp%	Act%
55.00	100	100
83.00	134.80	89.32#
98.00	62.30	51.43
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:09 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(59) Methylcyclohexane (P)

Manual Integration:

6.89min 0.50ug/L

Before

response 1057

Ion	Exp%	Act%

08/25/17

55.00	100	100

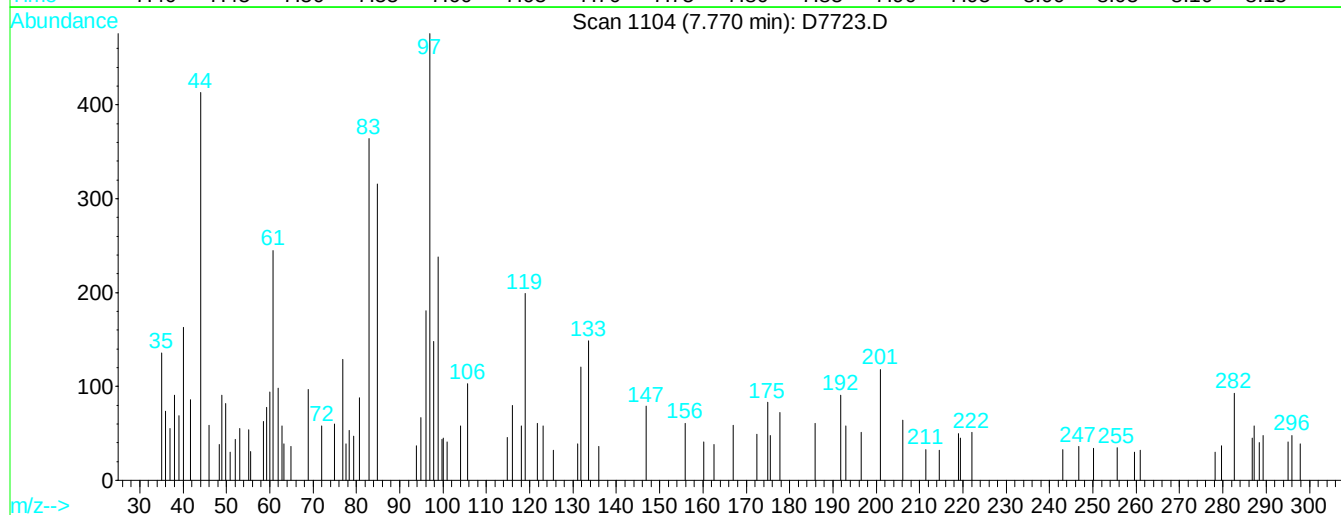
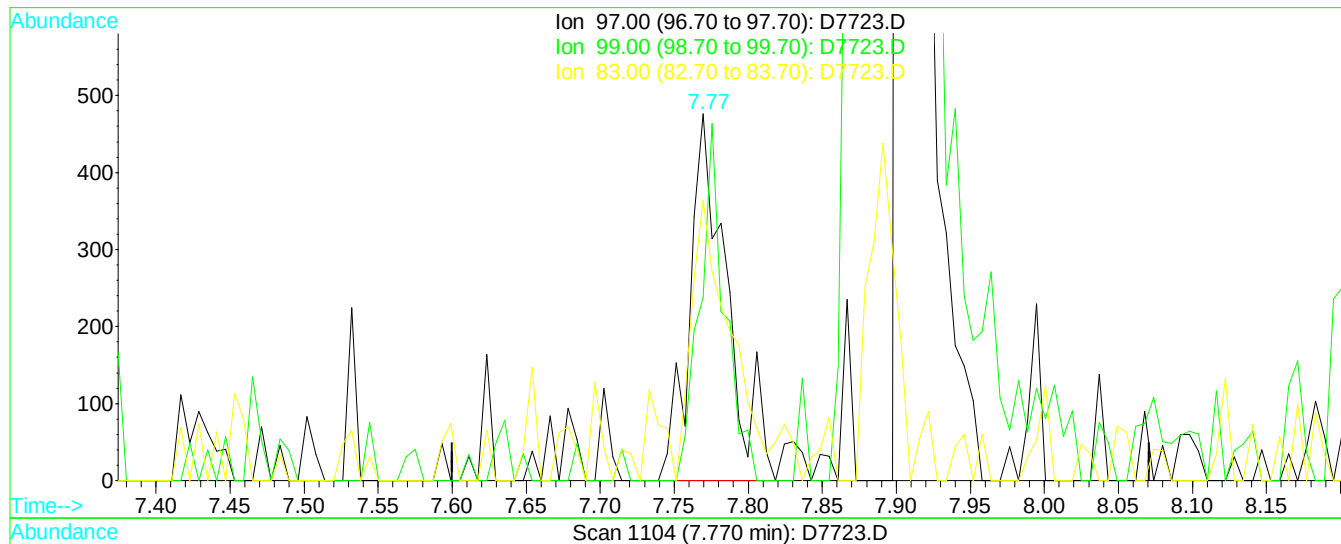
83.00	134.80	127.34

98.00	62.30	73.32

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:11 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(64) 1,1,2-Trichloroethane (P)

7.77min 0.49ug/L m

response 833

Ion	Exp%	Act%
97.00	100	100
99.00	66.60	66.03
83.00	84.40	87.15
0.00	0.00	0.00

Manual Integration:

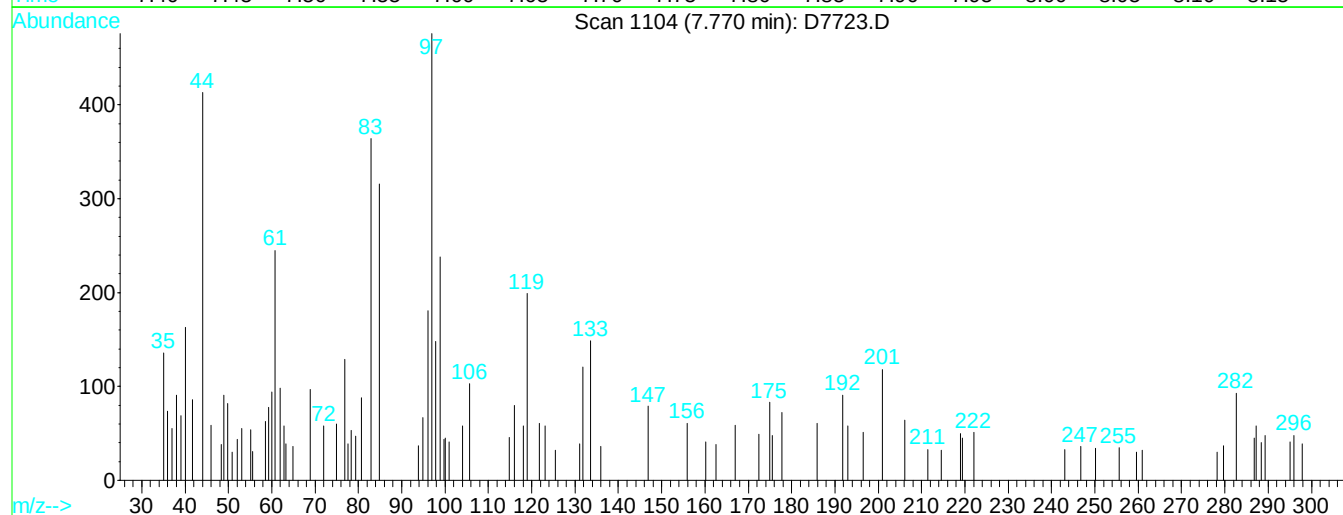
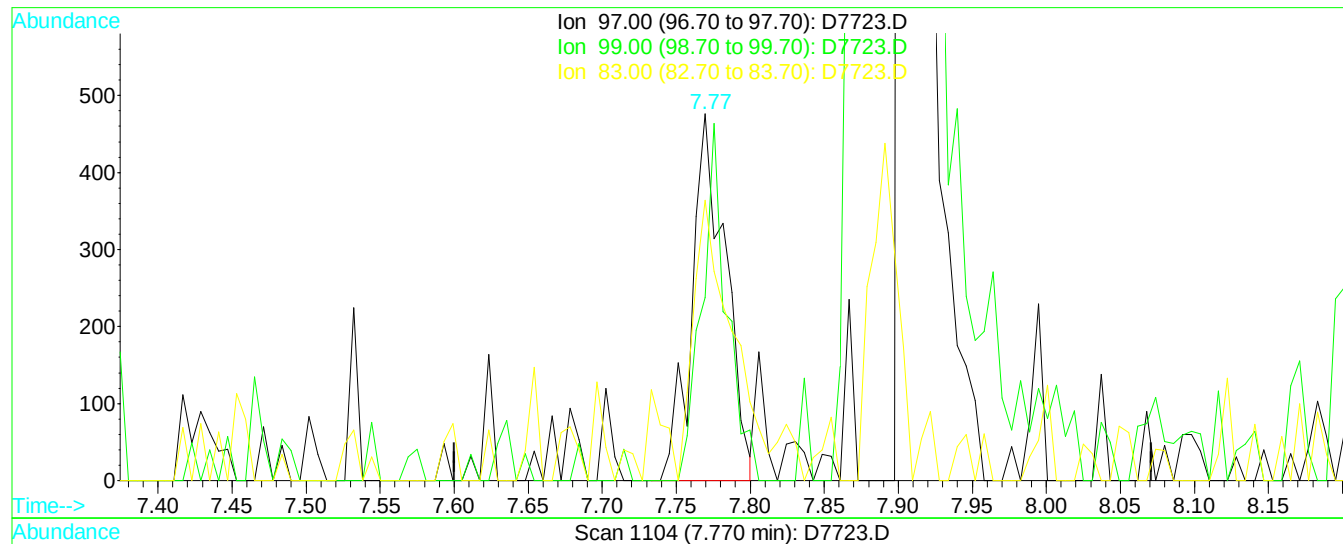
After

Split Peak.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:10 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(64) 1,1,2-Trichloroethane (P)

Manual Integration:

7.77min 0.44ug/L

Before

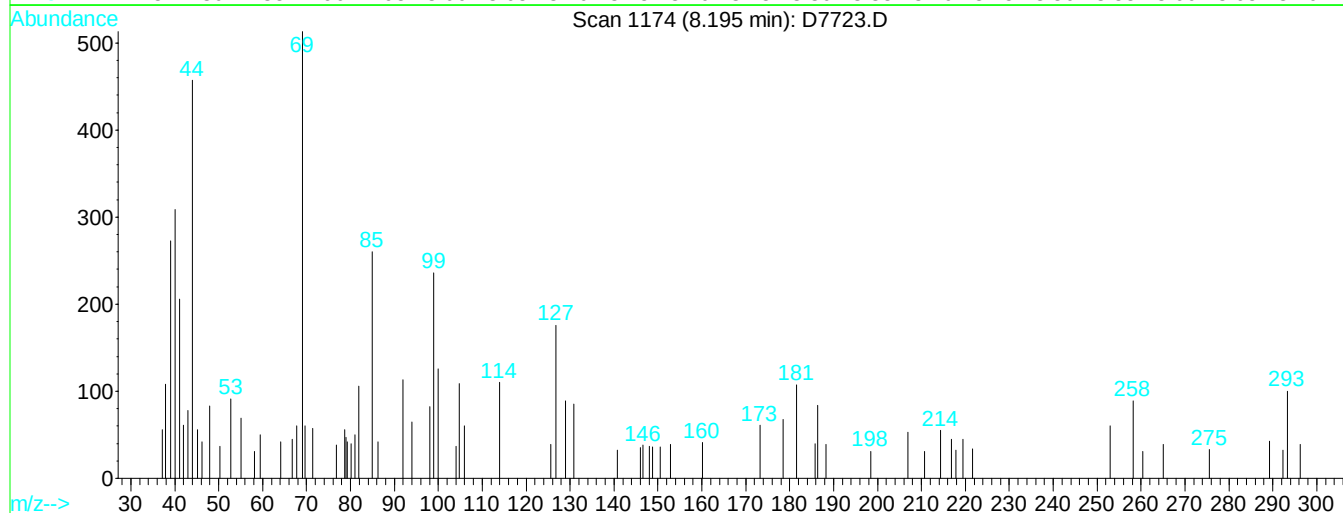
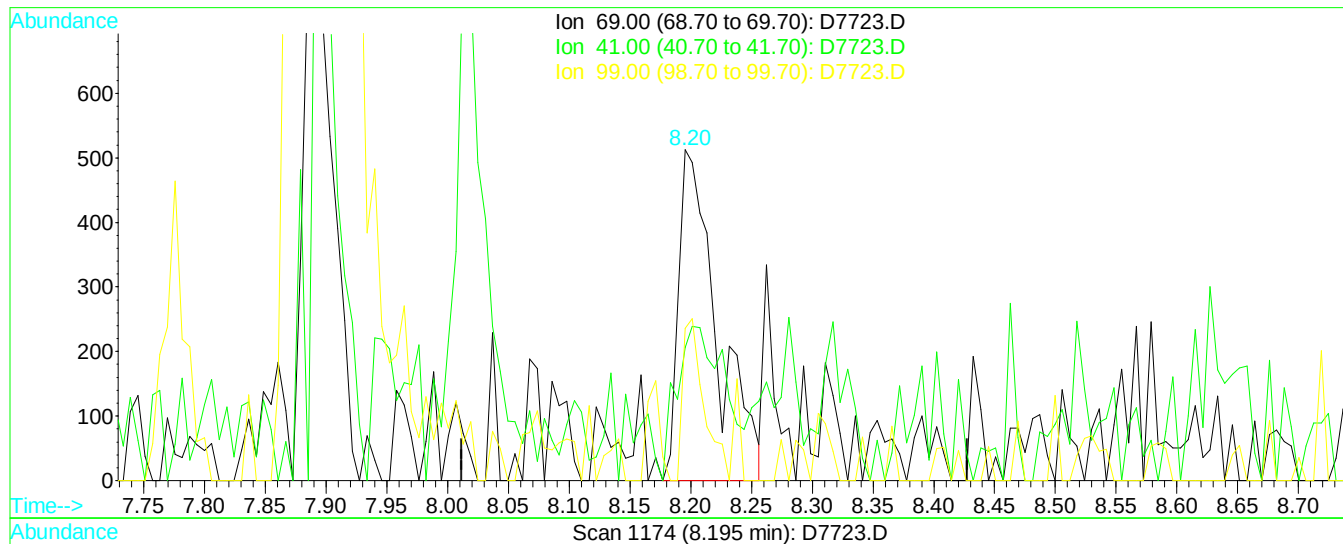
response 759

Ion	Exp%	Act%
97.00	100	100
99.00	66.60	72.46
83.00	84.40	95.65
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:12 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(69) Ethyl Methacrylate

8.20min 0.51ug/L m

response 1127

Ion	Exp%	Act%
69.00	100	100
41.00	76.30	40.16#
99.00	24.30	46.00#
0.00	0.00	0.00

Manual Integration:

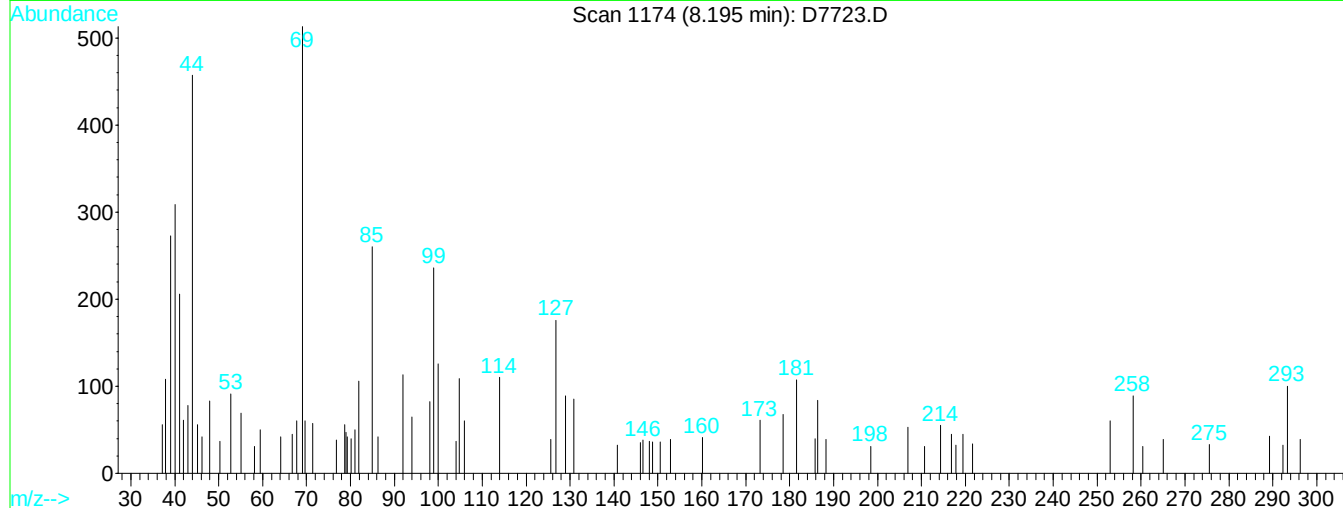
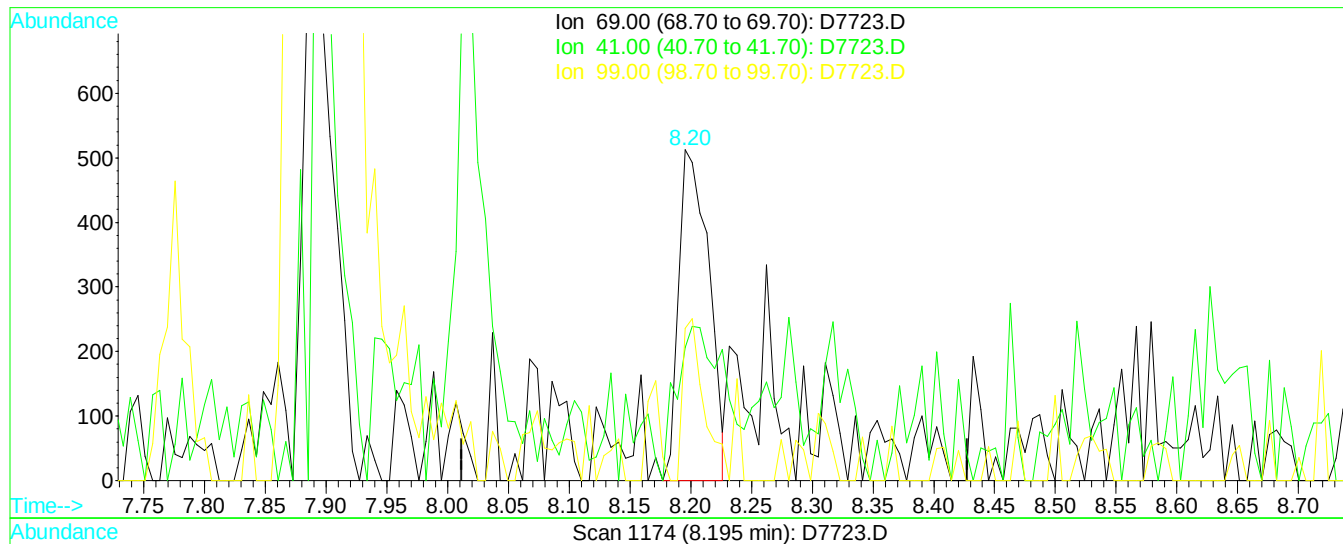
After

Split Peak.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D Vial: 6
Acq On : 24 Aug 2017 9:44 am Operator: D.Lipani
Sample : STD #1 - 0.5 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:11 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:40:01 2017
Response via : Multiple Level Calibration



TIC: D7723.D

(69) Ethyl Methacrylate

Manual Integration:

8.20min 0.40ug/L

Before

response 883

08/25/17

Ion	Exp%	Act%
69.00	100	100
41.00	76.30	35.95#
99.00	24.30	41.19
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D

Vial: 6

Acq On : 24 Aug 2017 9:44 am

Operator: D.Lipani

Sample : STD #1 - 0.5 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:15 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:40:01 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	265340	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	346094	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	164119	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	182019	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	131011	52.78	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	105.56%
43) surr1,1,2-dichloroethane-d	4.47	65	139484	51.88	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	103.76%
65) SURR3,Toluene-d8	7.89	98	389115	55.52	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	111.04%
86) SURR2,BFB	10.25	95	153939	50.08	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	100.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	2153	0.54	ug/L	93
3) Chloromethane	1.19	50	1513	0.57	ug/L	79
4) Vinyl Chloride	1.27	62	1595m	0.49	ug/L	
5) Bromomethane	1.44	94	1404	0.72	ug/L #	48
6) Chloroethane	1.50	64	853	0.53	ug/L #	69
7) Freon 21	1.53	67	2774	0.58	ug/L	92
8) Freon 123	1.70	83	1869	0.62	ug/L	83
9) Freon 123a	1.73	67	1574	0.66	ug/L	87
11) Trichlorofluoromethane	1.79	101	2182	0.59	ug/L	81
13) 2-Propanol	1.83	45	1120	11.28	ug/L #	36
15) Diethyl Ether	1.95	59	719	0.57	ug/L	95
16) 1,1-Dicethene	2.09	96	1021	0.56	ug/L #	47
17) Iodomethane	2.11	142	2066	0.70	ug/L	97
18) TBA	2.14	59	1476	8.61	ug/L	83
19) Acrylonitrile	2.15	53	1626m	2.95	ug/L	
20) Methylene Chloride	2.20	84	1047	0.54	ug/L	90
21) Freon 113	2.24	101	1232	0.57	ug/L #	59
23) Allyl Chloride	2.26	76	582	0.77	ug/L	95
24) Carbon Disulfide	2.31	76	3398	0.59	ug/L	98
25) trans-1,2-Dichloroethene	2.70	96	1008	0.52	ug/L #	77
26) Methyl-t-Butyl Ether	2.81	73	2921	0.58	ug/L	87
27) 1,1-Dicethane	2.89	63	1936	0.63	ug/L	93
28) Propionitrile	2.99	54	355	1.79	ug/L	91
30) 2-Chloro-1,3-Butadiene	3.26	53	1761	0.67	ug/L	92
33) cis-1,2-Dichloroethene	3.47	96	1464	0.70	ug/L #	52
34) Bromochloromethane	3.65	128	719	0.61	ug/L #	85
35) Chloroform	3.72	83	2062	0.58	ug/L	84
36) 2,2-Dichloropropane	3.80	77	2377	0.71	ug/L	89
39) 1,1,1-Trichloroethane	4.73	97	2056	0.60	ug/L #	66
46) 1,1-Dichloropropene	5.10	75	1407	0.56	ug/L	94
47) Cyclohexane	5.16	56	1329m	0.52	ug/L	
48) Carbontetrachloride	5.31	119	1363m	0.49	ug/L	
49) Benzene	5.39	78	3660	0.54	ug/L	88
51) Dibromomethane	6.17	93	708	0.49	ug/L	96
52) 1,2-Diclpropane	6.25	63	1000	0.57	ug/L	97
53) n-Heptane	6.34	43	1222m	0.65	ug/L	
54) Trichloroethene	6.33	130	1413	0.63	ug/L	91
55) Bromodichloromethane	6.38	83	1515	0.56	ug/L #	72
59) Methylcyclohexane	6.89	55	1507m	0.71	ug/L	

(#)=qualifier out of range (m)=manual integration

D7723.D W082417.M Fri Aug 25 09:15:37 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7723.D

Vial: 6

Acq On : 24 Aug 2017 9:44 am

Operator: D.Lipani

Sample : STD #1 - 0.5 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:15 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:40:01 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
60) 2-Chloroethylvinyl Ether	7.03	63	699	0.64	ug/L	68
61) cis-1,3-Dichloropropene	7.18	75	2021	0.65	ug/L	95
63) trans-1,3-Dichloropropene	7.67	75	1433	0.51	ug/L #	45
64) 1,1,2-Trichloroethane	7.77	97	833m	0.49	ug/L	
66) Toluene	7.96	91	4139	0.54	ug/L	86
68) 1,3-Dichloropropane	8.02	76	1552	0.56	ug/L #	61
69) Ethyl Methacrylate	8.20	69	1127m	0.51	ug/L	
70) Dibromochloromethane	8.21	129	1238	0.55	ug/L	88
72) 1,2-Dibromoethane	8.43	107	941	0.47	ug/L	100
74) Tetrachloroethene	8.62	164	1011	0.52	ug/L	93
75) 1,1,1,2-Tetrachloroethane	9.17	131	1029	0.50	ug/L #	40
76) Chlorobenzene	9.22	112	3183	0.60	ug/L	88
77) Ethylbenzene	9.43	106	1429	0.52	ug/L #	85
78) Bromoform	9.62	173	603	0.40	ug/L #	70
79) (m+p)Xylene	9.62	106	3885	1.13	ug/L	94
80) o-Xylene	9.93	106	1651	0.50	ug/L #	70
81) Cyclohexanone	9.85	55	968	15.35	ug/L #	80
82) Styrene	9.88	104	2646	0.50	ug/L	98
84) trans-1,4-Dichloro-2-Buten	10.11	75	365	0.48	ug/L #	53
85) Isopropylbenzene	10.25	105	4933	0.59	ug/L	85
88) 1,1,2,2-Tetrachloroethane	9.92	83	1125	0.52	ug/L	93
89) 1,2,3-Trichloropropane	10.04	75	912	0.56	ug/L	86
90) Bromobenzene	10.39	156	1641	0.61	ug/L	94
91) n-Propylbenzene	10.61	91	5622	0.58	ug/L	98
92) 2-Chlorotoluene	10.65	91	3151	0.56	ug/L	90
93) 4-Chlorotoluene	10.71	91	3486	0.58	ug/L	88
94) 1,3,5-Trimethylbenzene	10.87	105	3784	0.57	ug/L	99
95) tert-Butylbenzene	11.07	119	3119	0.54	ug/L	99
96) 1,2,4-Trimethylbenzene	11.17	105	4231	0.59	ug/L	93
97) sec-Butylbenzene	11.24	105	4469	0.54	ug/L	97
98) 1,3-Dclbenz	11.26	146	2261	0.49	ug/L	84
99) 1,4-Dclbenz	11.32	146	3215	0.70	ug/L #	86
100) p-Isopropyltoluene	11.41	119	4004	0.59	ug/L	93
101) 1,2-Dclbenz	11.58	146	2481	0.54	ug/L	94
102) n-Butylbenzene	11.72	91	4234	0.67	ug/L	85
103) 1,2-Dibromo-3-chloropropan	11.95	75	396	0.99	ug/L #	40
105) 1,2,4-Tcbenzene	13.02	180	1846	0.58	ug/L	95
106) Naphthalen	13.20	128	3221	0.54	ug/L	97
107) Hexachlorobt	13.29	225	713	0.46	ug/L #	74
108) 1,2,3-Tclbenzene	13.35	180	1361	0.50	ug/L #	75

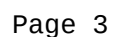
(#) = qualifier out of range (m) = manual integration

D7723.D W082417.M Fri Aug 25 09:15:37 2017

1st	<u>DL</u>	08/25/17
2nd	<u>FW</u>	08/26/17

Vial: 6
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQDATA\MSVOA6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 08:54:47 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:42 2017

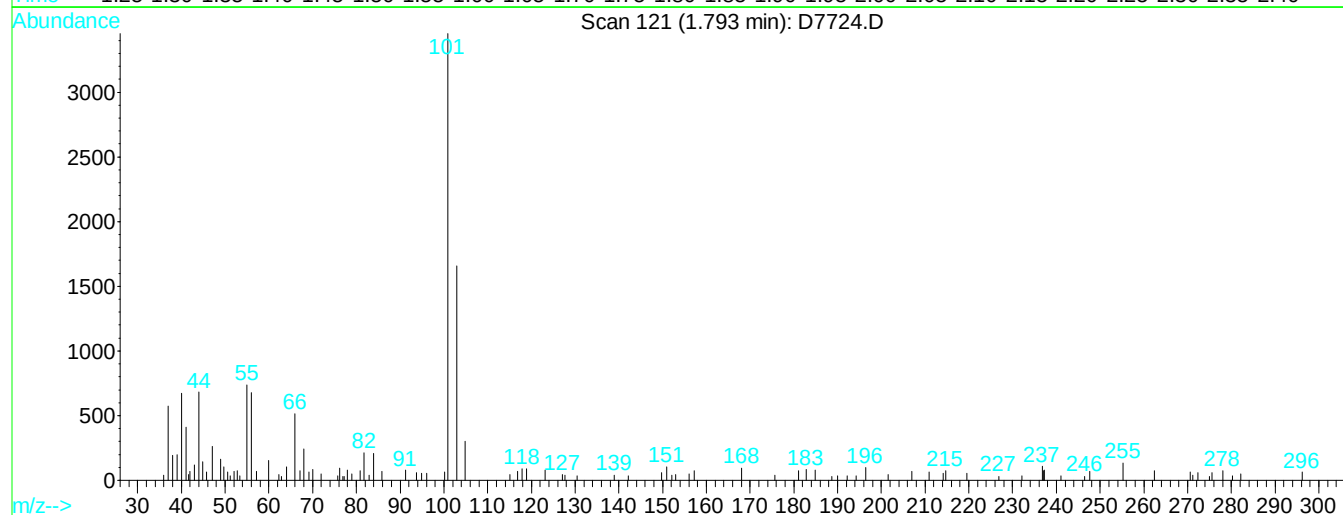
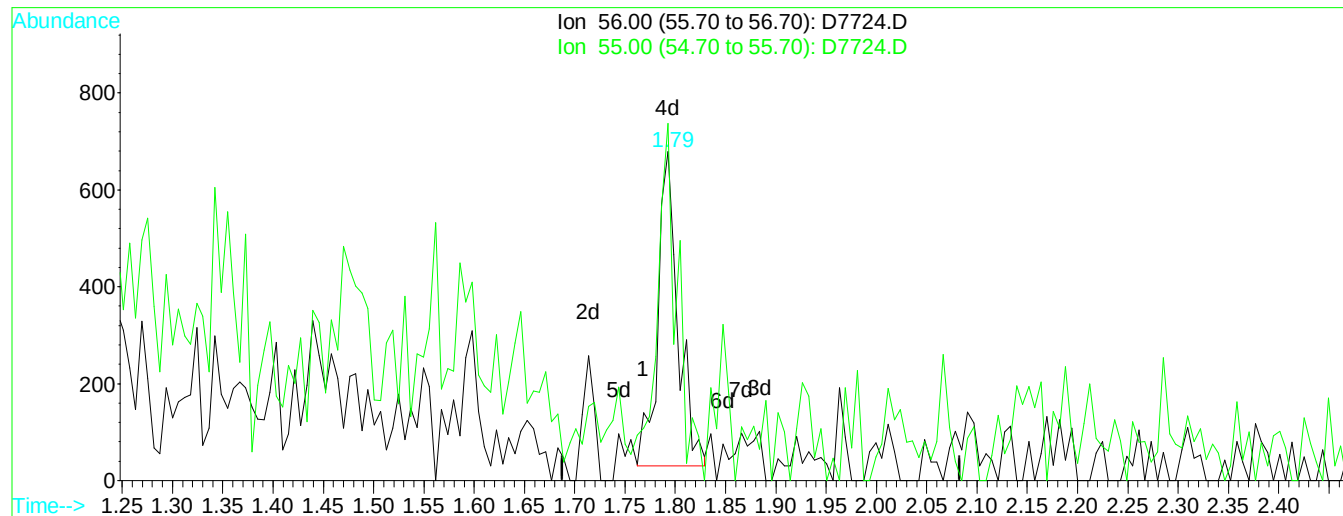
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(10) Acrolein

Manual Integration:

1.79min 4.29ug/L m

After

response 906

Split Peak.

Ion	Exp%	Act%

08/25/17

56.00	100	100

55.00	69.40	108.54#

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:42 2017

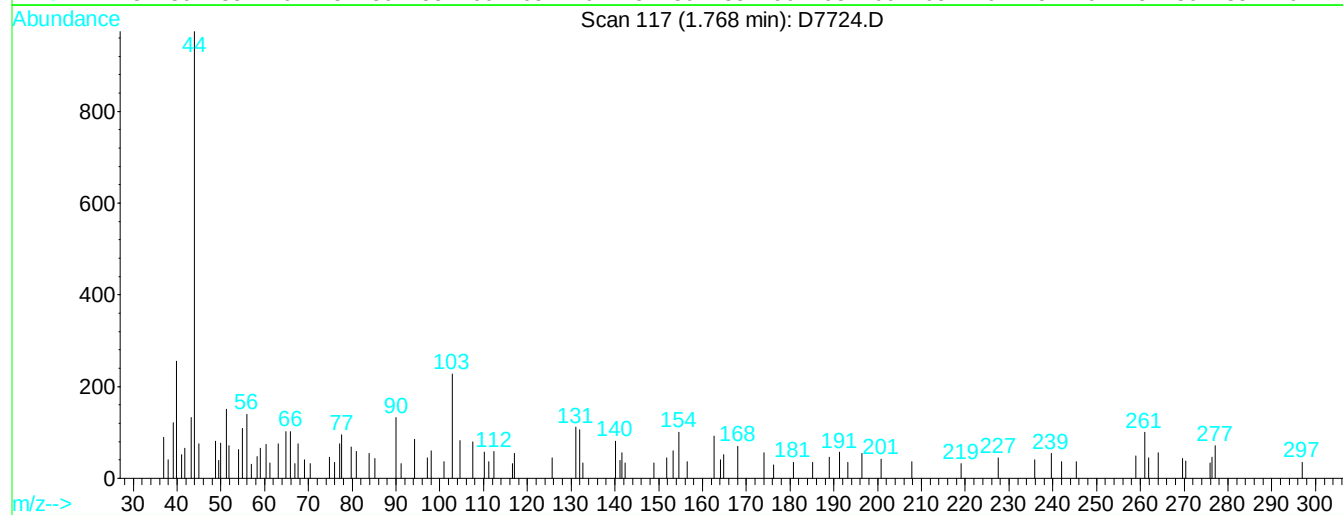
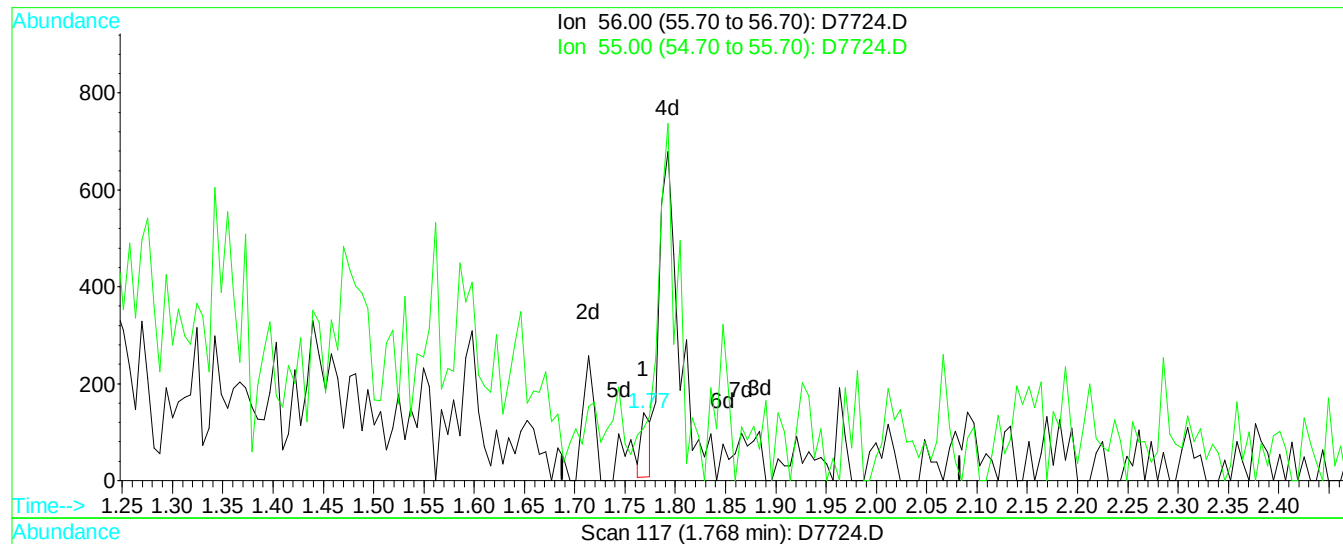
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(10) Acrolein

Manual Integration:

1.77min 0.42ug/L

Before

response 89

Ion	Exp%	Act%

08/25/17

56.00	100	100

55.00	69.40	77.86

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:44 2017

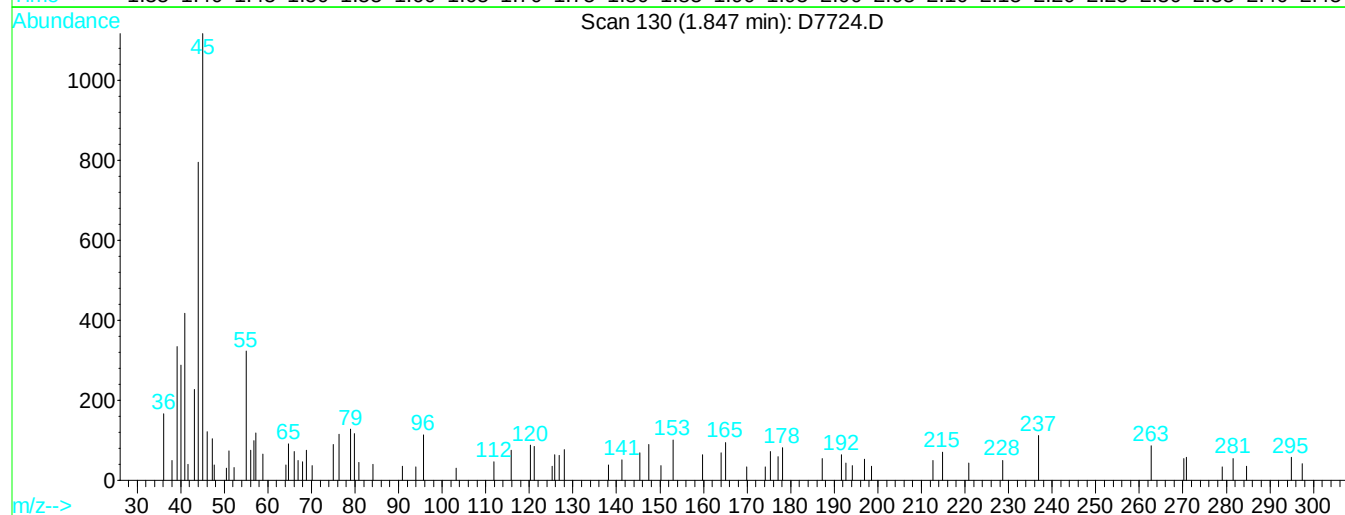
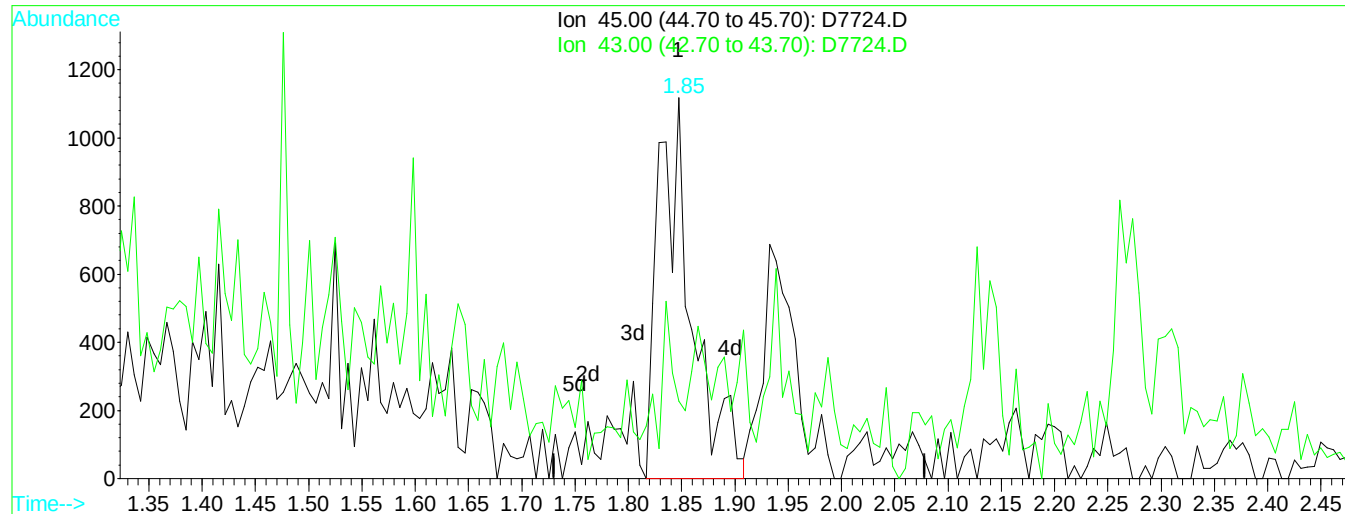
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(13) 2-Propanol

Manual Integration:

1.85min 24.67ug/L m

After

response 2460

Split Peak.

Ion	Exp%	Act%
45.00	100	100
43.00	23.50	20.32
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:42 2017

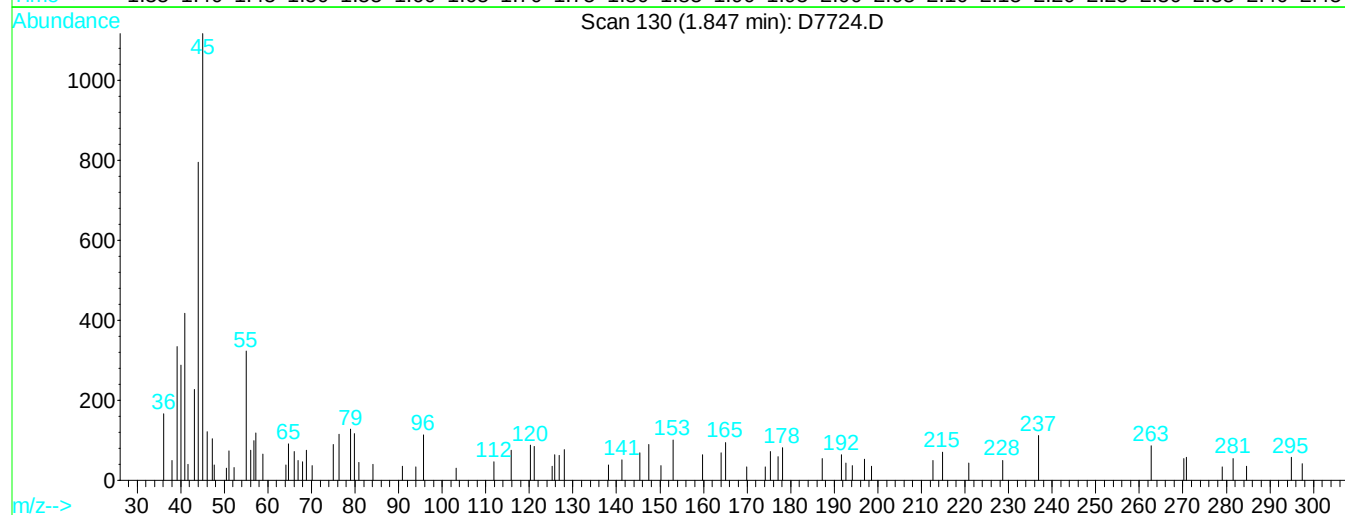
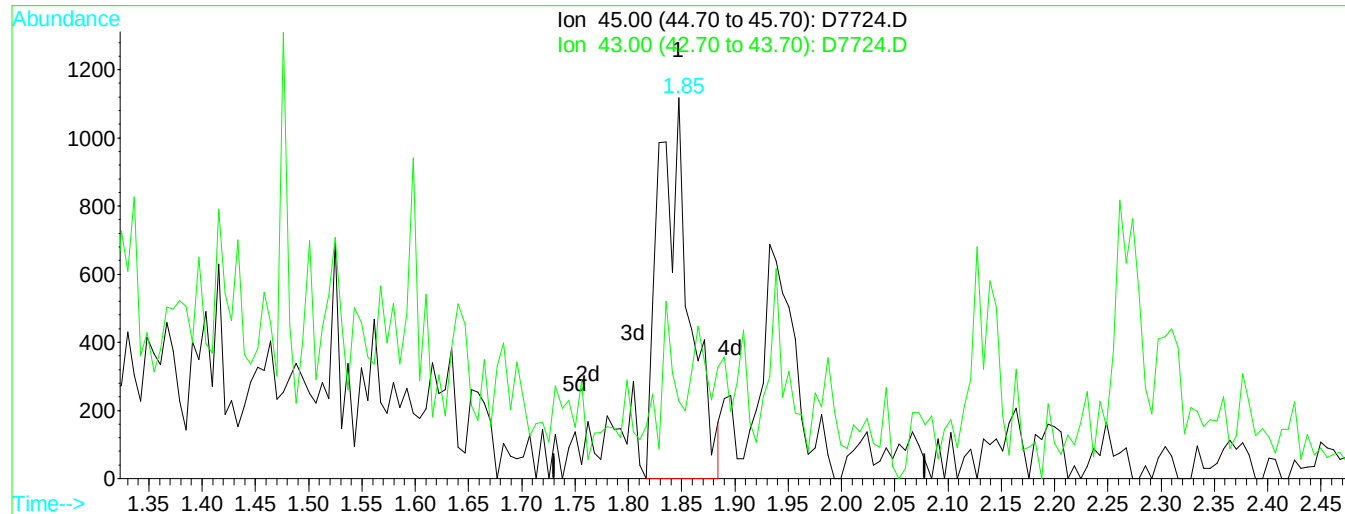
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(13) 2-Propanol

Manual Integration:

1.85min 22.49ug/L

Before

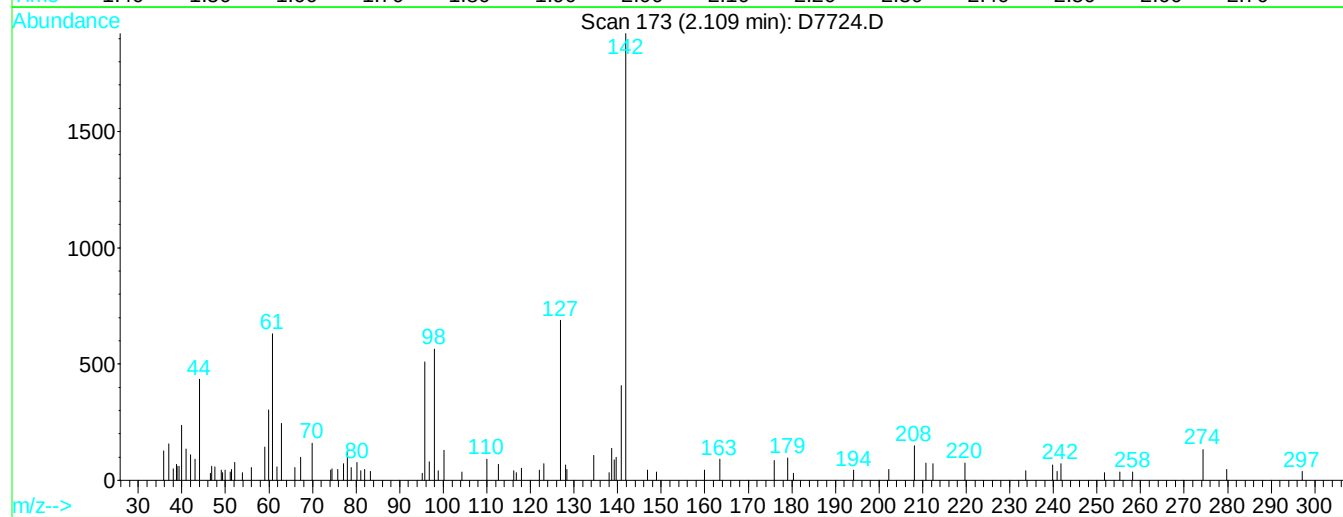
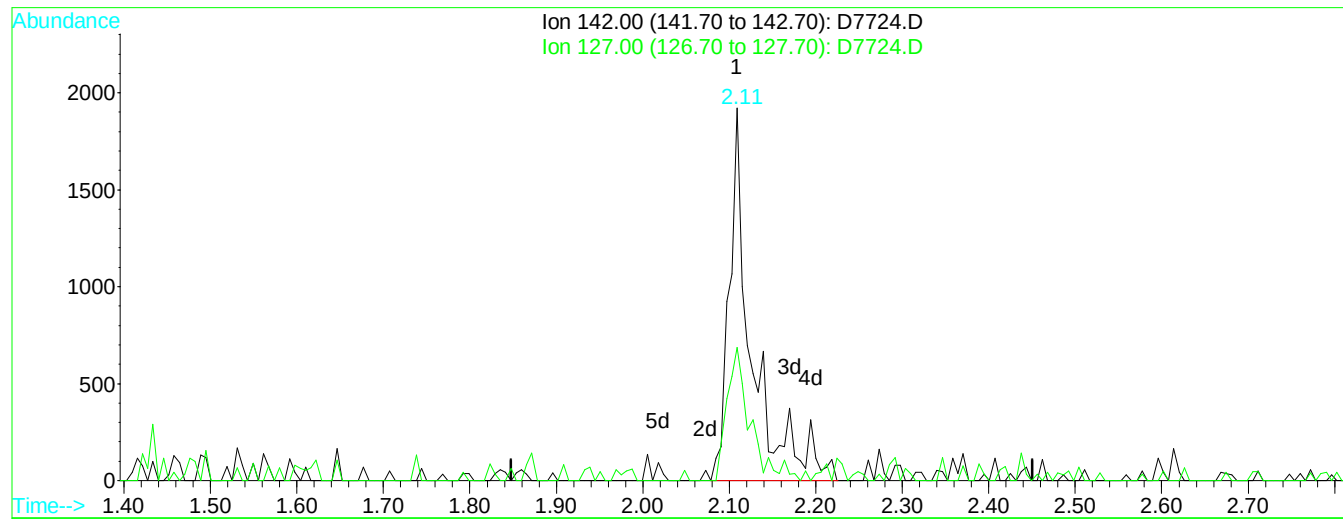
response 2243

Ion	Exp%	Act%
45.00	100	100
43.00	23.50	20.32
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:44 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(17) Iodomethane

2.11min 1.17ug/L m

response 3484

Ion	Exp%	Act%

142.00	100	100

127.00	48.60	35.81

0.00	0.00	0.00

0.00	0.00	0.00

Manual Integration:

After

Split Peak.

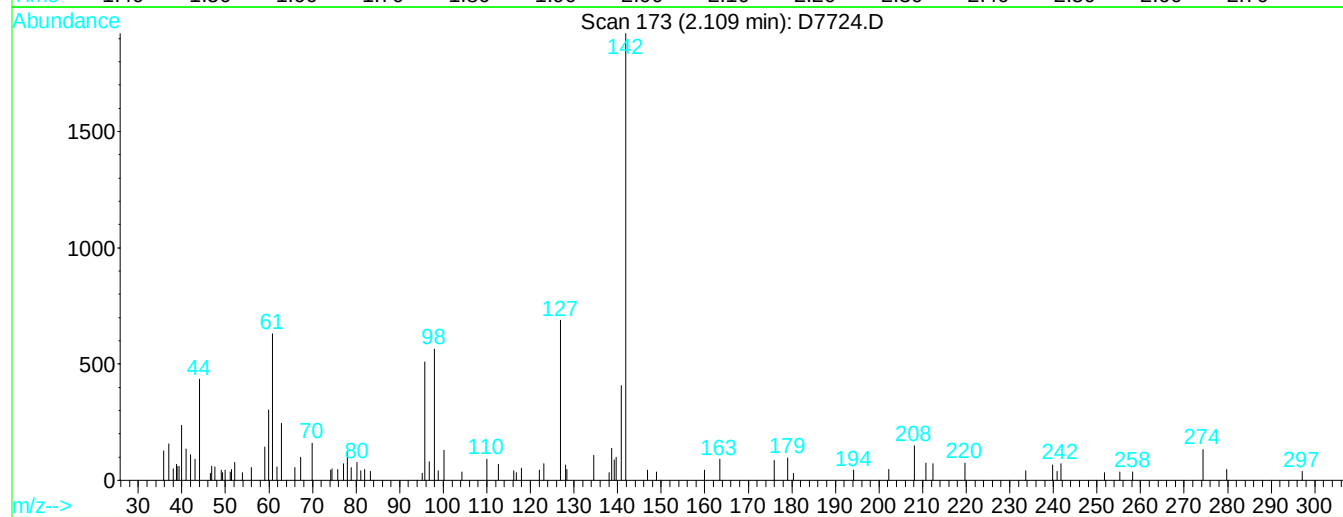
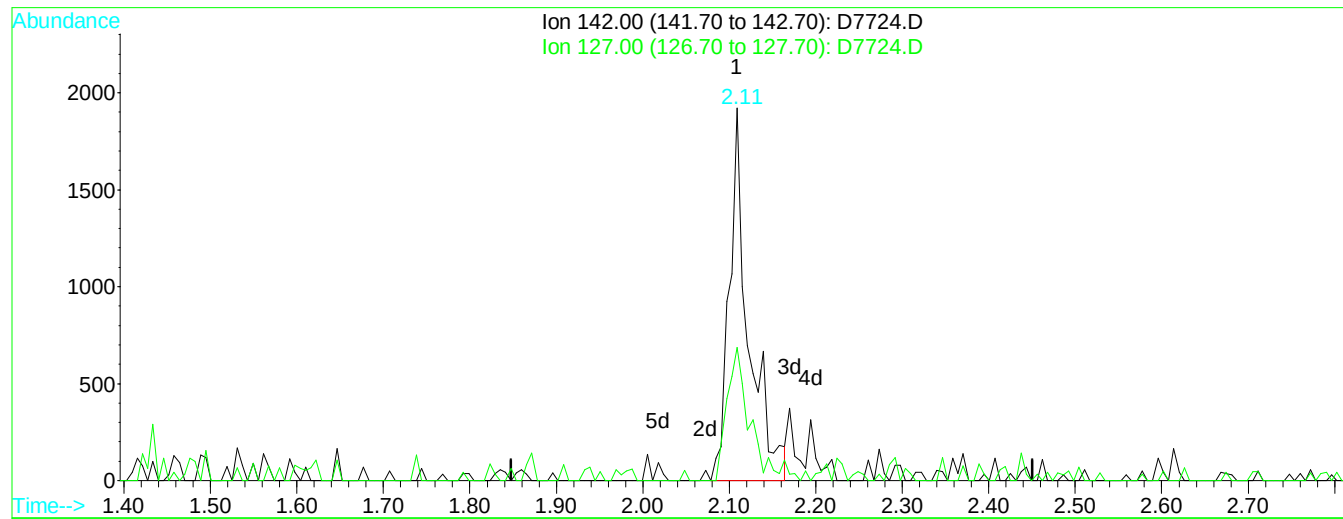
08/25/17

Quantitation Report (Qedit)

1st *DL* 08/25/17
2nd *FJ* 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:44 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(17) Iodomethane

Manual Integration:

2.11min 1.01ug/L

Before

response 3000

Ion	Exp%	Act%

08/25/17

142.00	100	100

127.00	48.60	35.81

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:45 2017

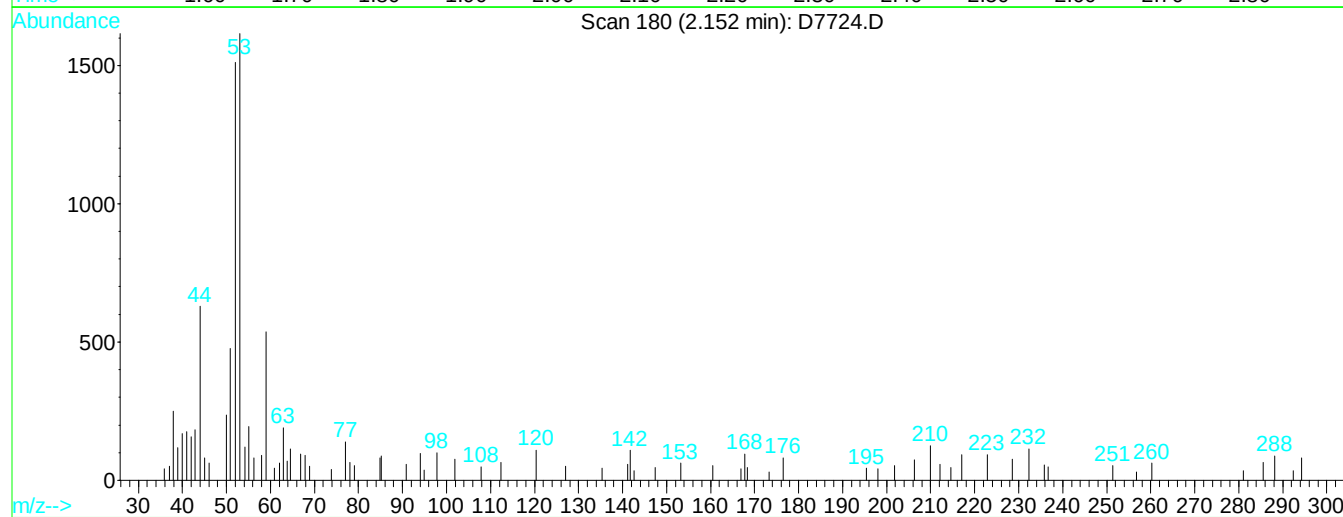
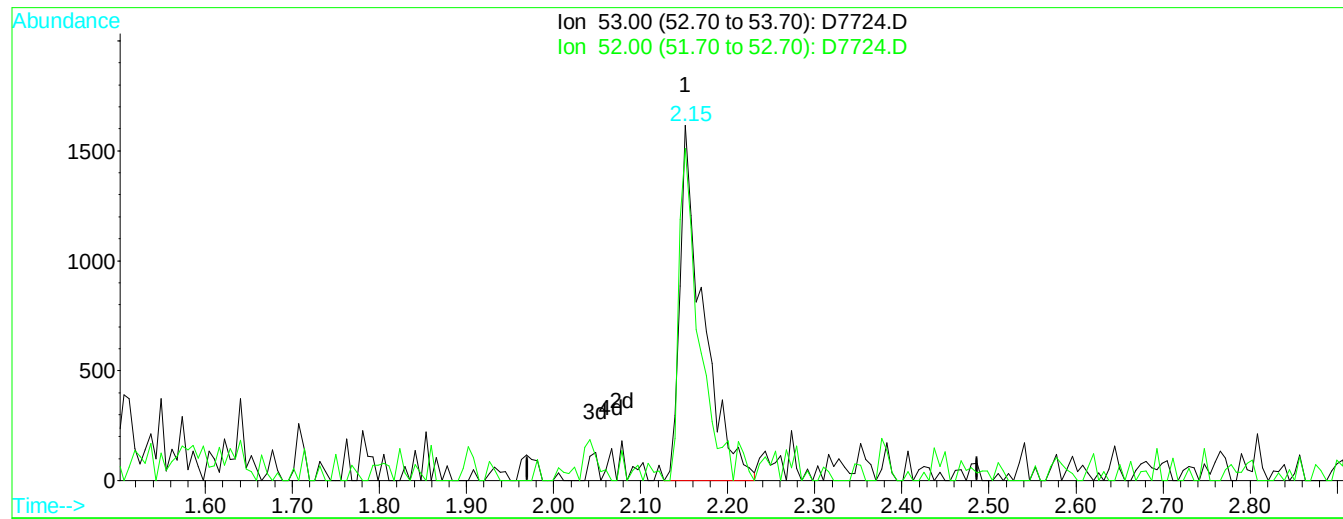
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(19) Acrylonitrile

Manual Integration:

2.15min 5.36ug/L m

After

response 2966

Poor integration.

Ion	Exp%	Act%

08/25/17

53.00	100	100

52.00	83.80	93.62

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:44 2017

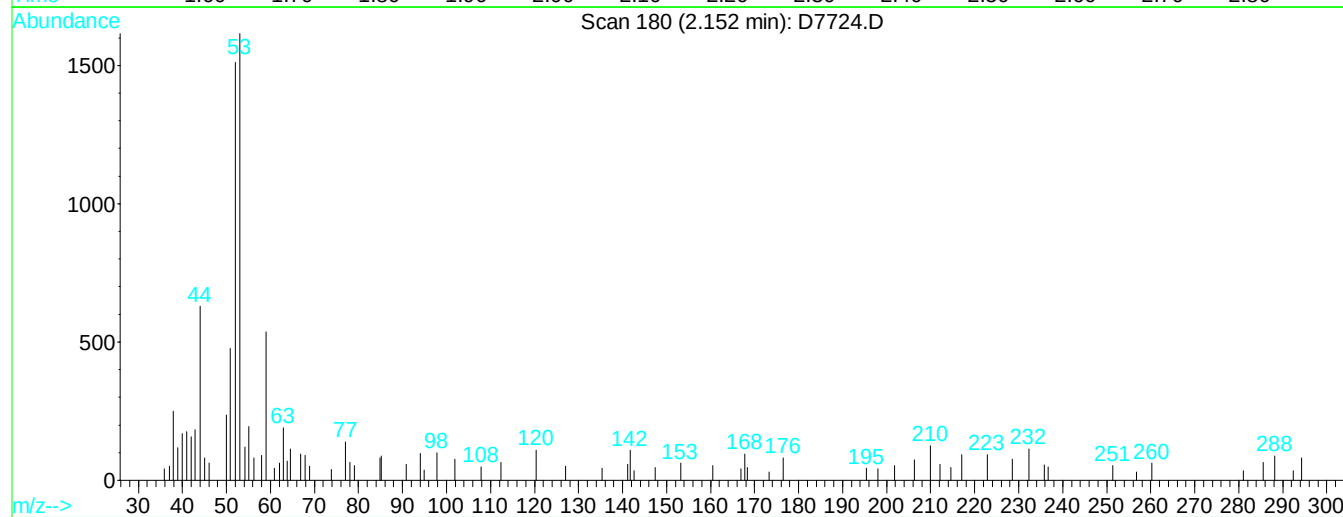
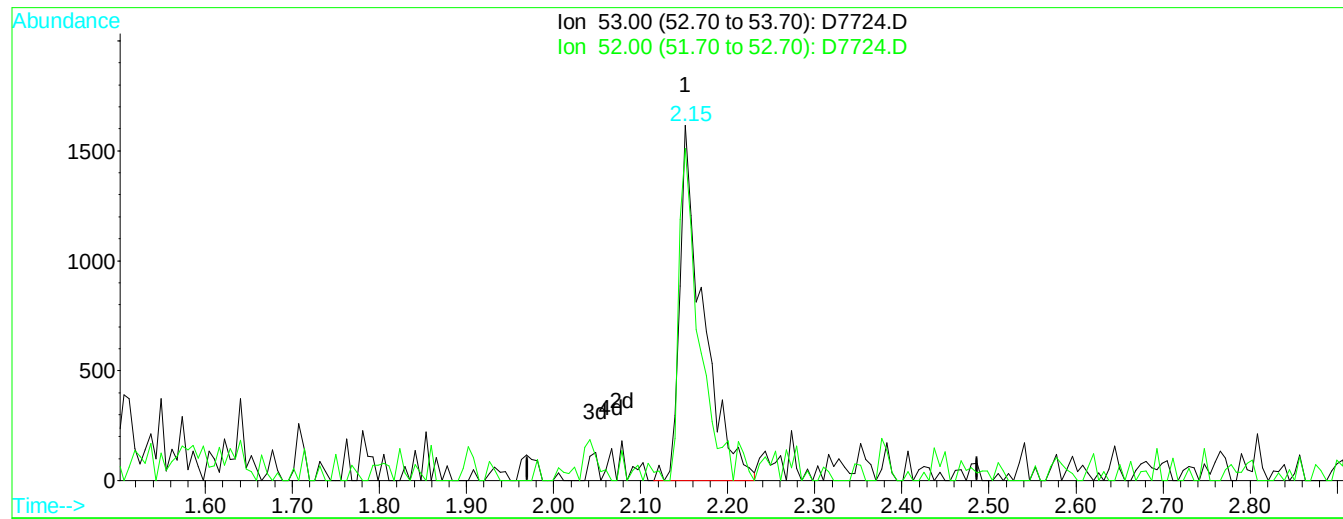
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(19) Acrylonitrile

Manual Integration:

2.15min 5.41ug/L

Before

response 2992

Ion	Exp%	Act%
53.00	100	100
52.00	83.80	93.62
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:46 2017

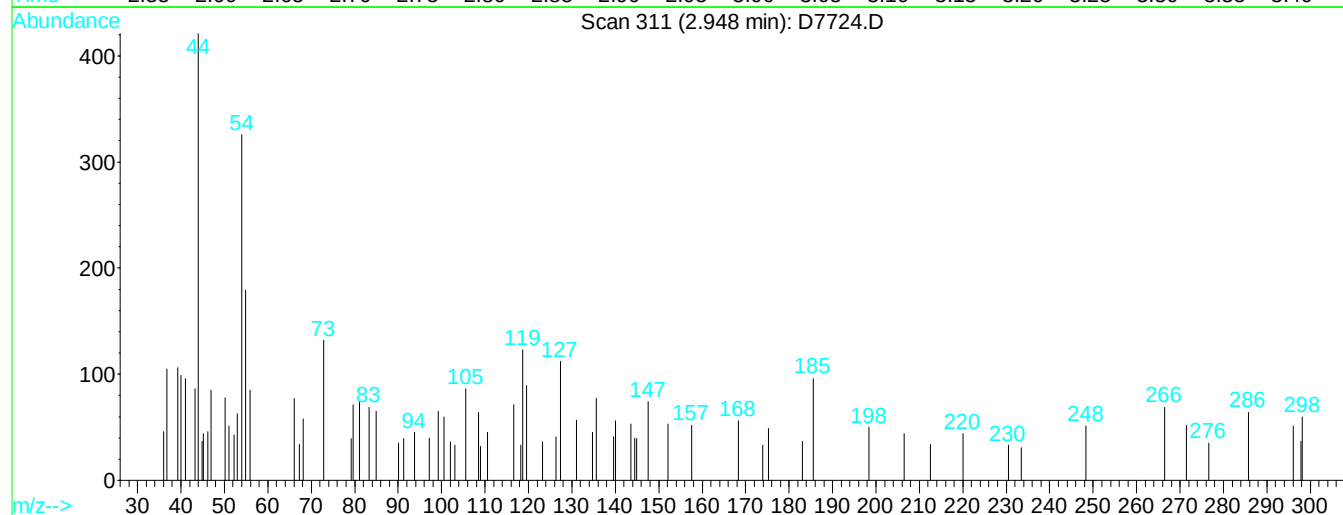
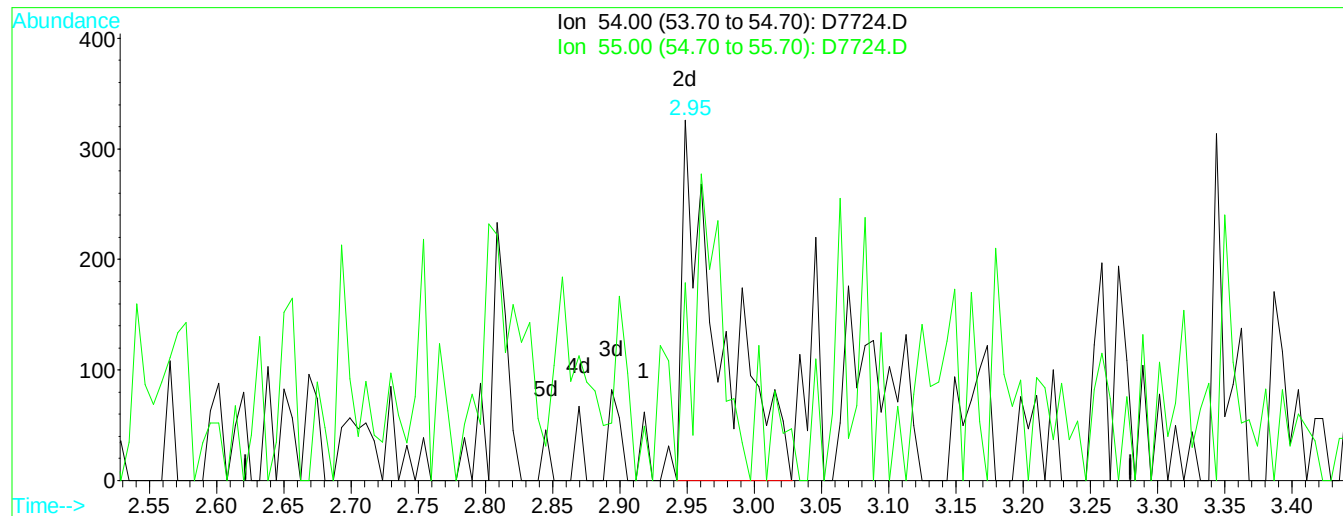
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(28) Propionitrile

Manual Integration:

2.95min 3.16ug/L m

After

response 629

Peak not found.

Ion	Exp%	Act%

08/25/17

54.00	100	100

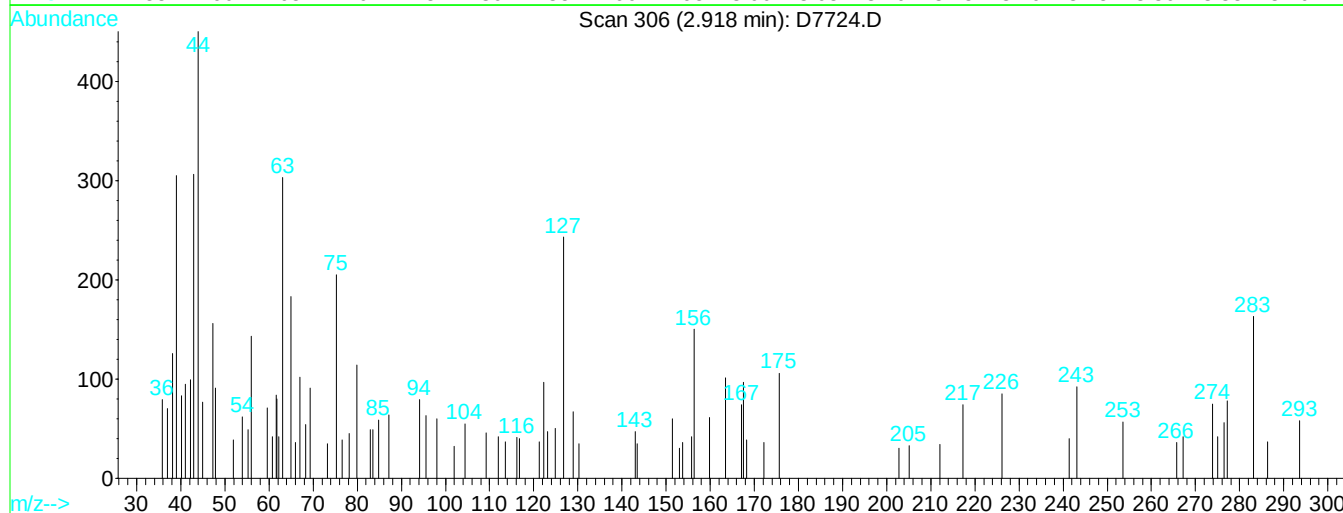
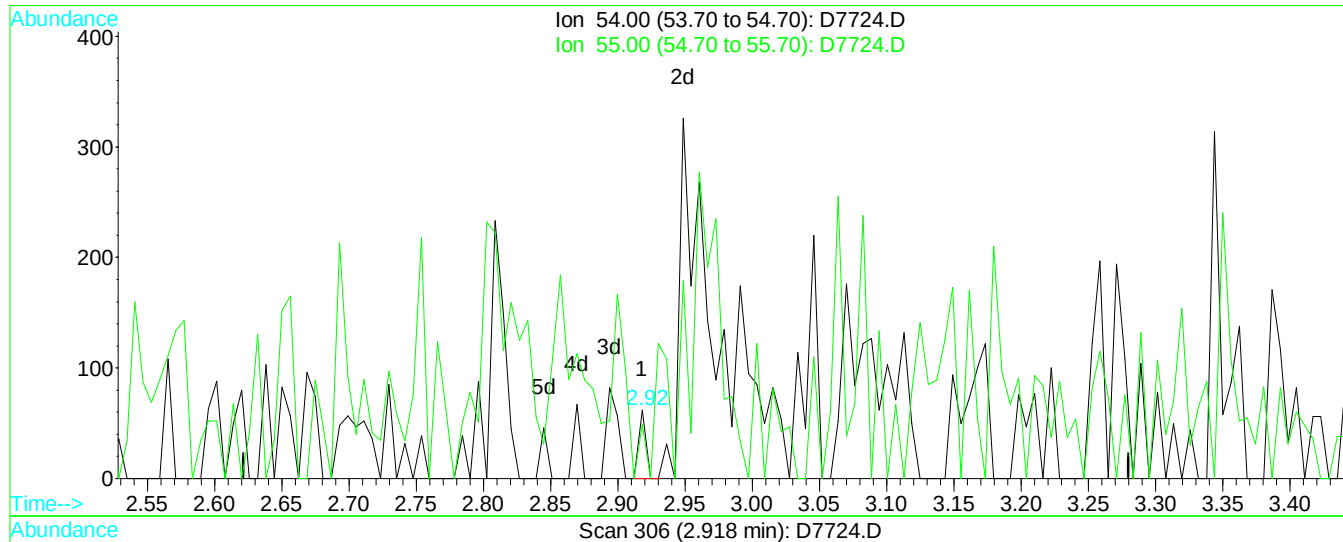
55.00	15.40	54.91#

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:45 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(28) Propionitrile

Manual Integration:

2.92min 0.12ug/L

Before

response 23

Ion	Exp%	Act%
54.00	100	100
55.00	15.40	79.03#
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:47 2017

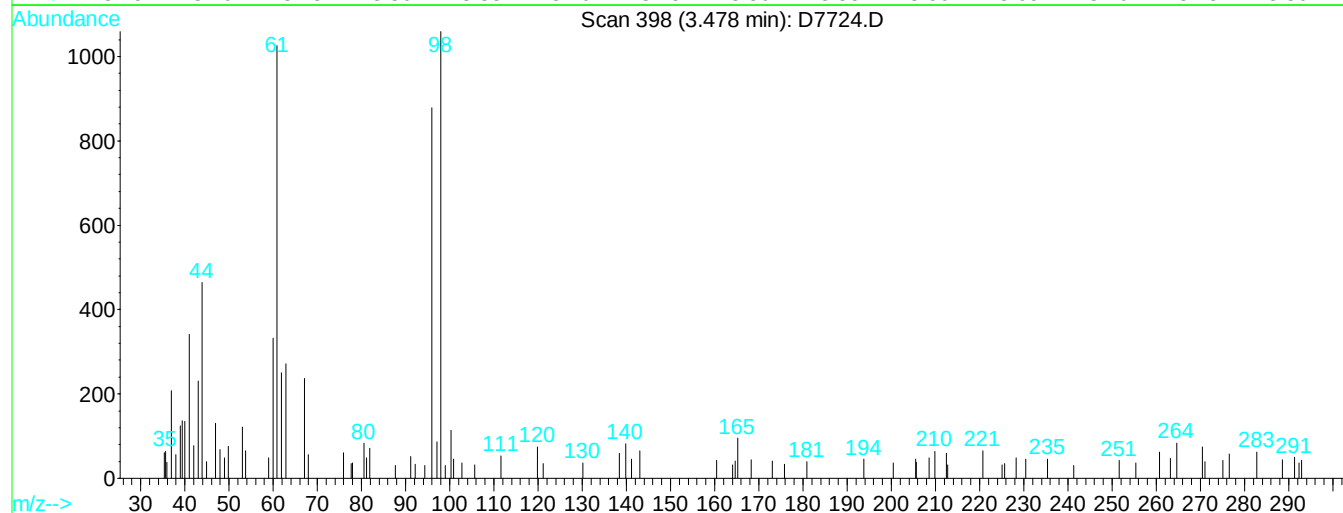
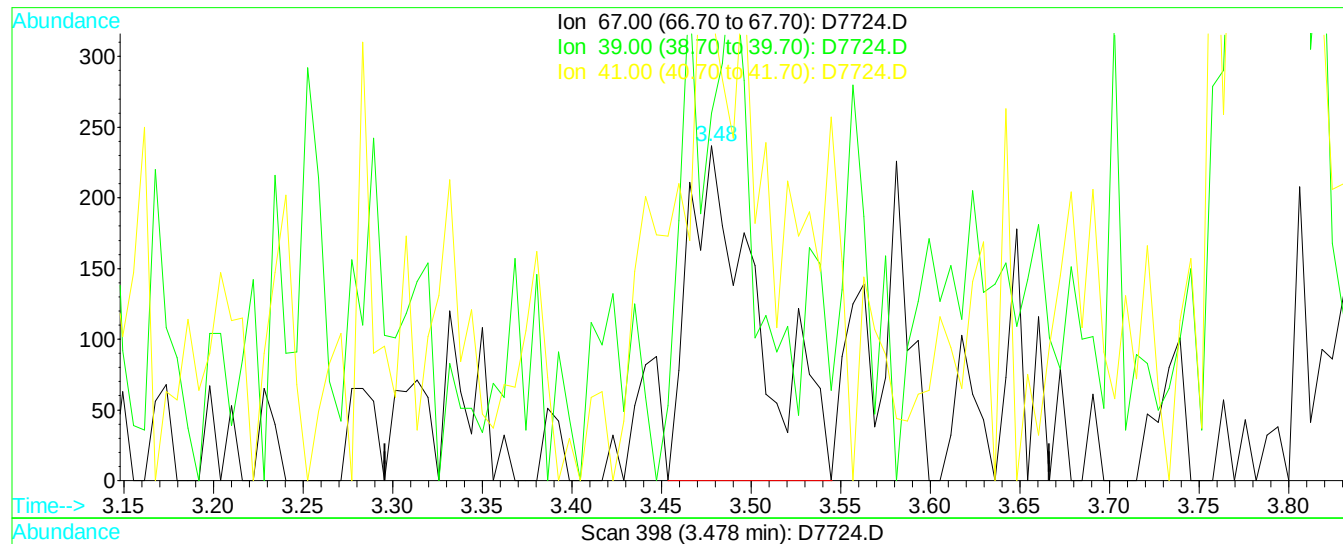
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Single Level Calibration



TIC: D7724.D

(32) Methacrylonitrile

Manual Integration:

3.48min 0.98ug/L m

After

response 637

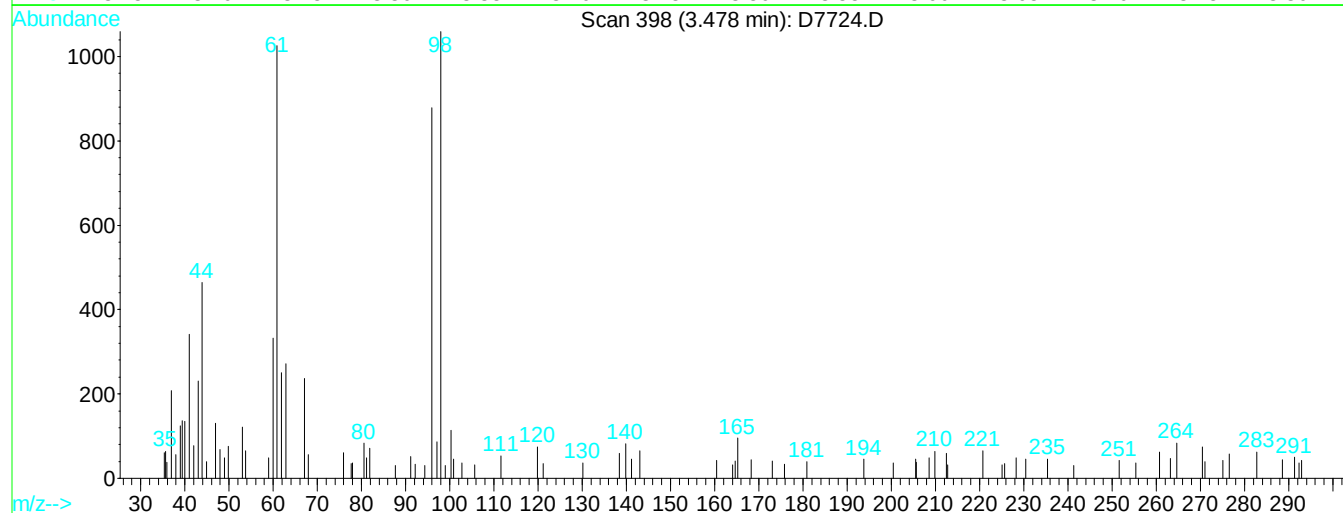
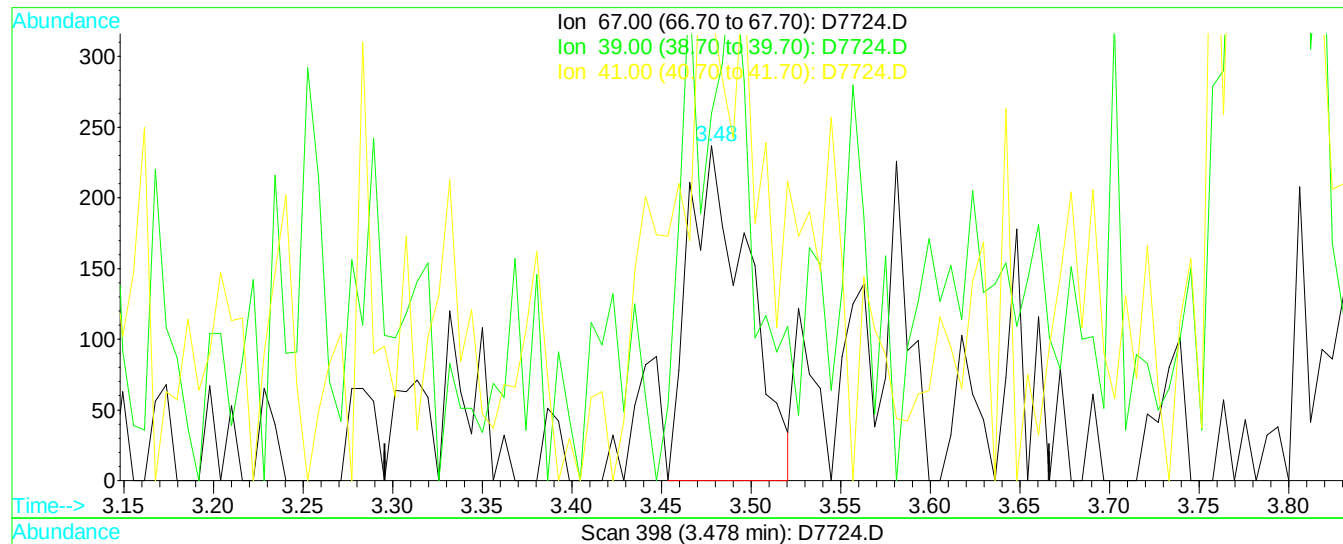
Split Peak.

08/25/17

Ion	Exp%	Act%
67.00	100	100
39.00	96.70	57.38#
41.00	148.40	143.88
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:46 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Single Level Calibration



TIC: D7724.D

(32) Methacrylonitrile

Manual Integration:

3.48min 0.84ug/L

Before

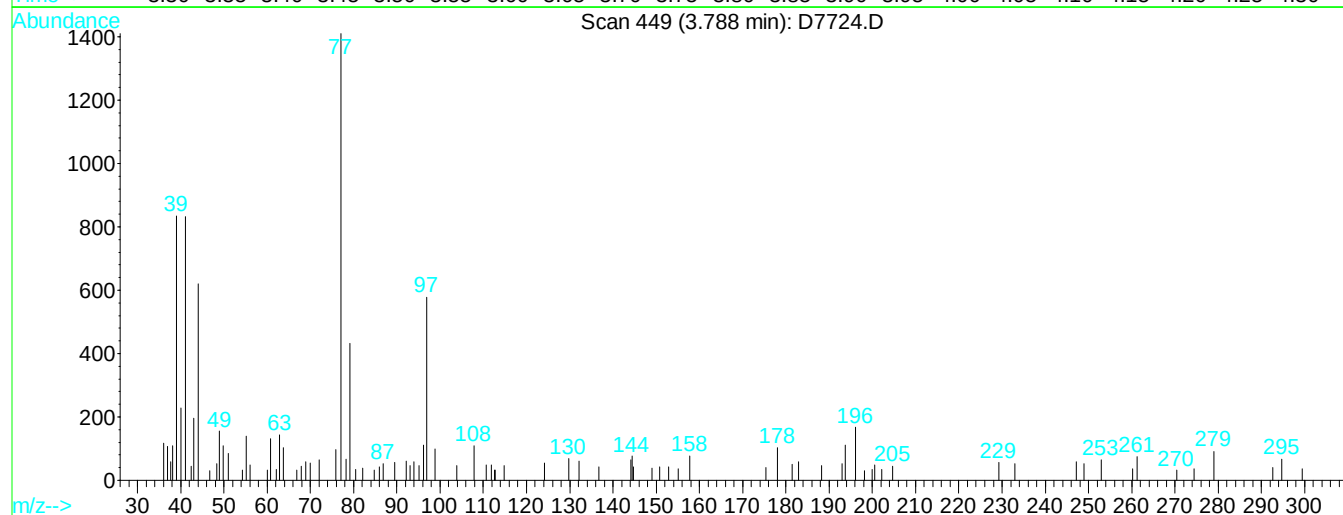
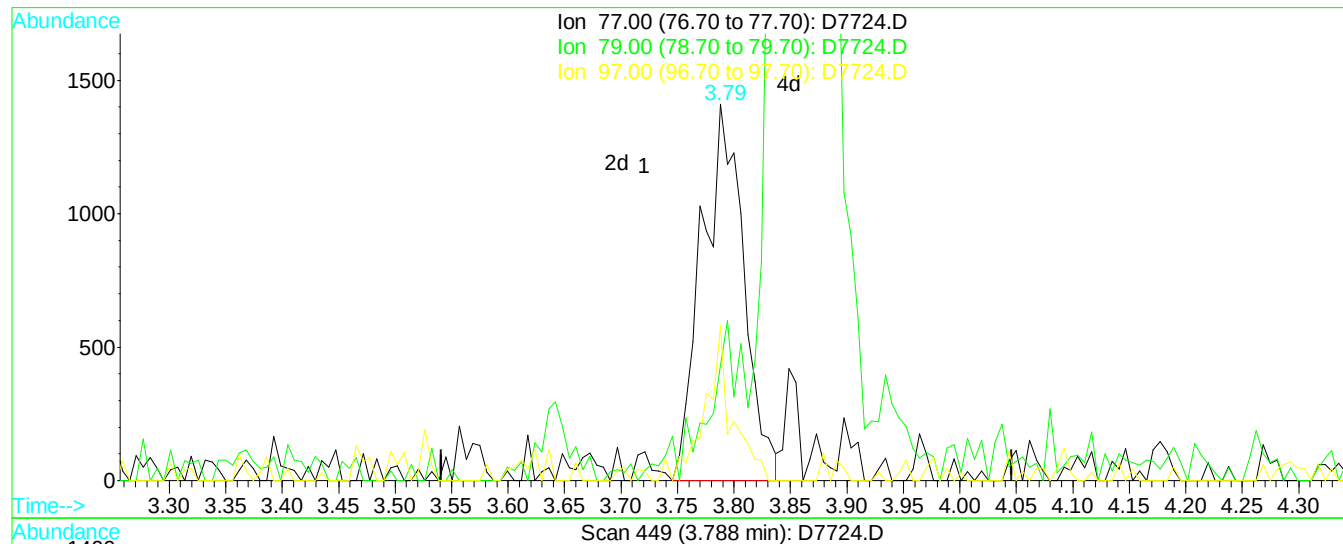
response 542

Ion	Exp%	Act%
67.00	100	100
39.00	96.70	109.70
41.00	148.40	143.88
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:47 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(36) 2,2-Dichloropropane

3.79min 1.12ug/L m

response 3620

Ion	Exp%	Act%
77.00	100	100
79.00	32.10	30.64
97.00	19.20	40.99#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:47 2017

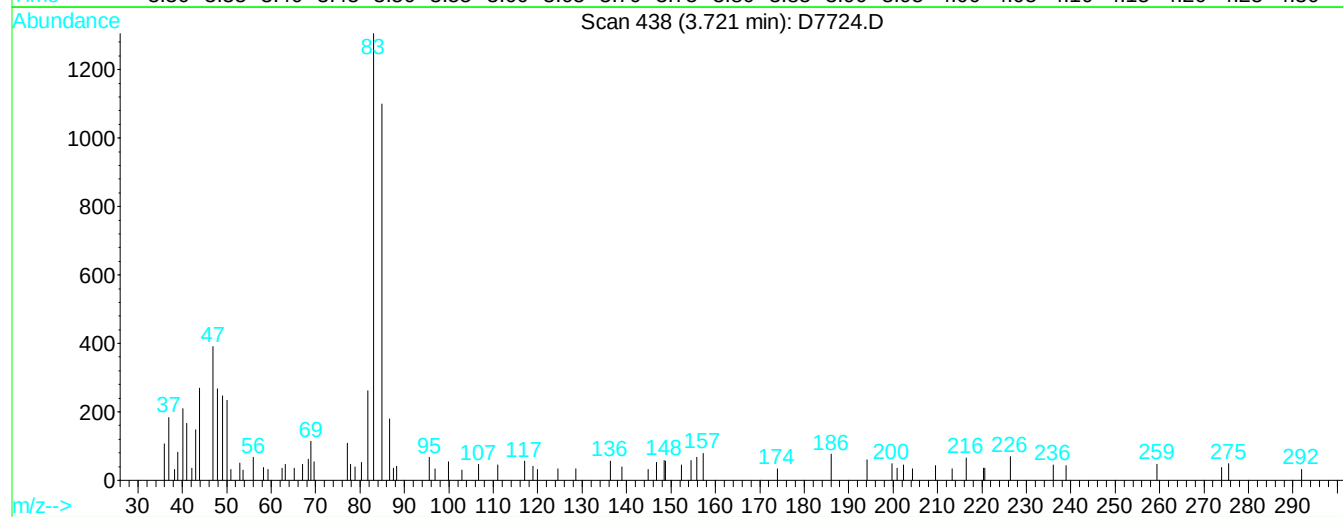
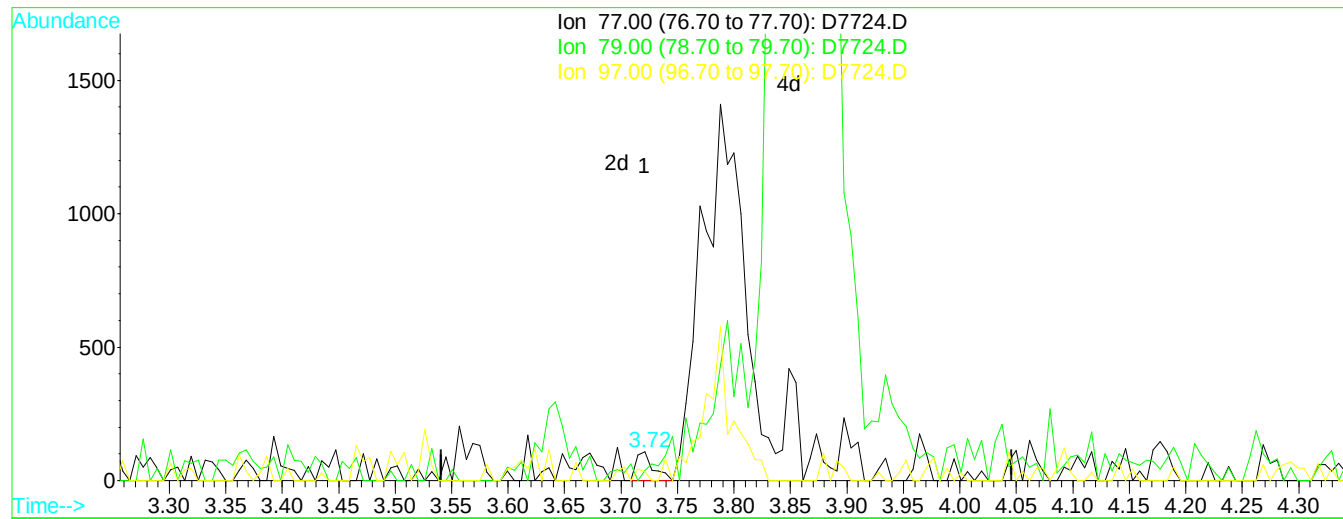
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(36) 2,2-Dichloropropane

Manual Integration:

3.72min 0.03ug/L

Before

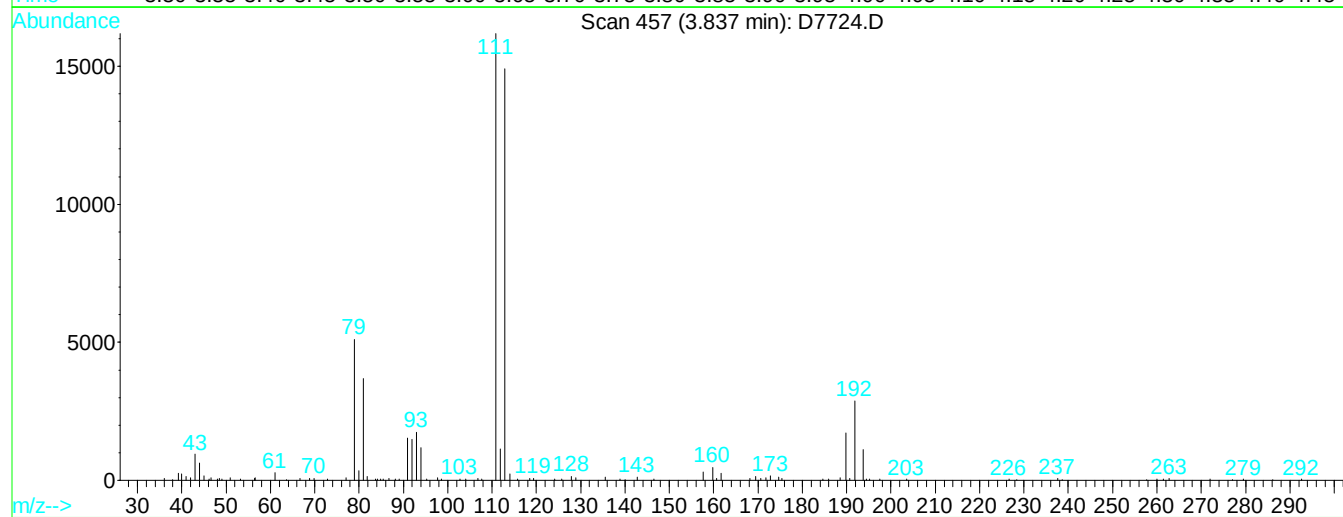
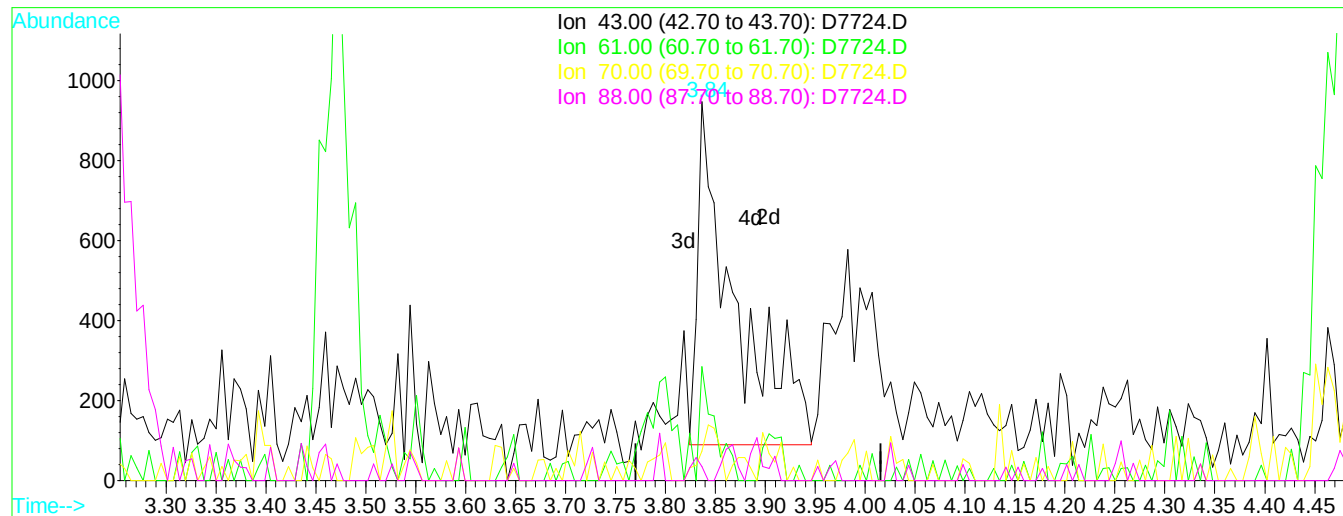
response 112

Ion	Exp%	Act%
77.00	100	100
79.00	32.10	35.78
97.00	19.20	31.19
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:48 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(37) Ethyl Acetate

3.84min 1.56ug/L m

response 2216

Ion	Exp%	Act%
43.00	100	100
61.00	21.70	30.10
70.00	10.60	7.71
88.00	4.70	3.80

Manual Integration:

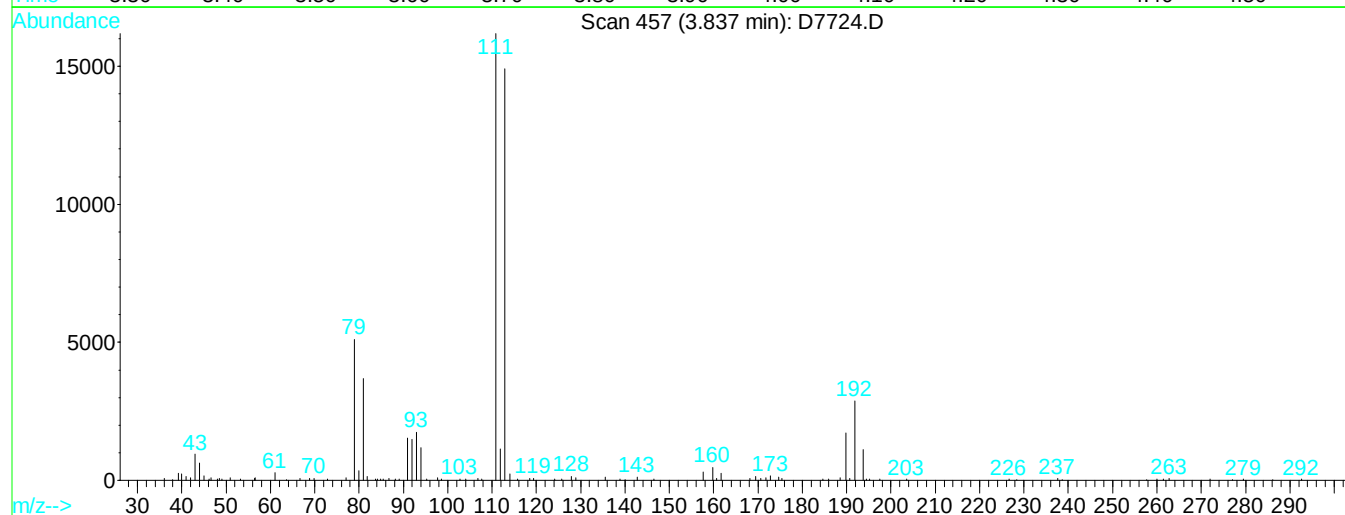
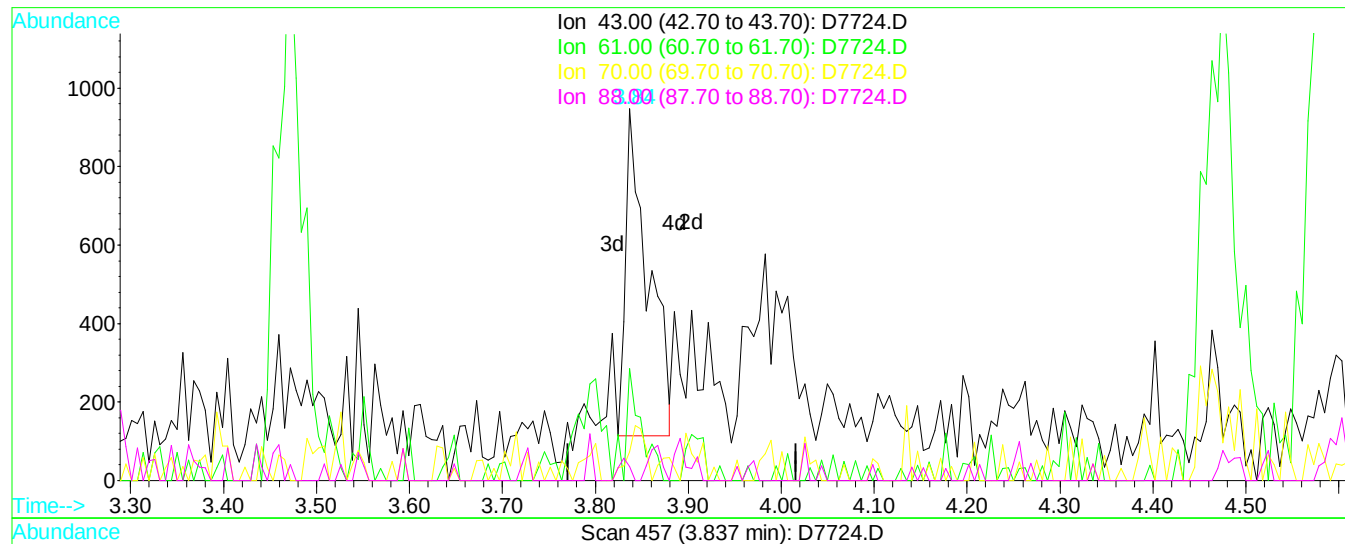
After

Split Peak.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:47 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(37) Ethyl Acetate

Manual Integration:

3.84min 0.98ug/L

Before

response 1398

08/25/17

Ion	Exp%	Act%
43.00	100	100
61.00	21.70	30.10
70.00	10.60	7.71
88.00	4.70	3.80

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:40 2017

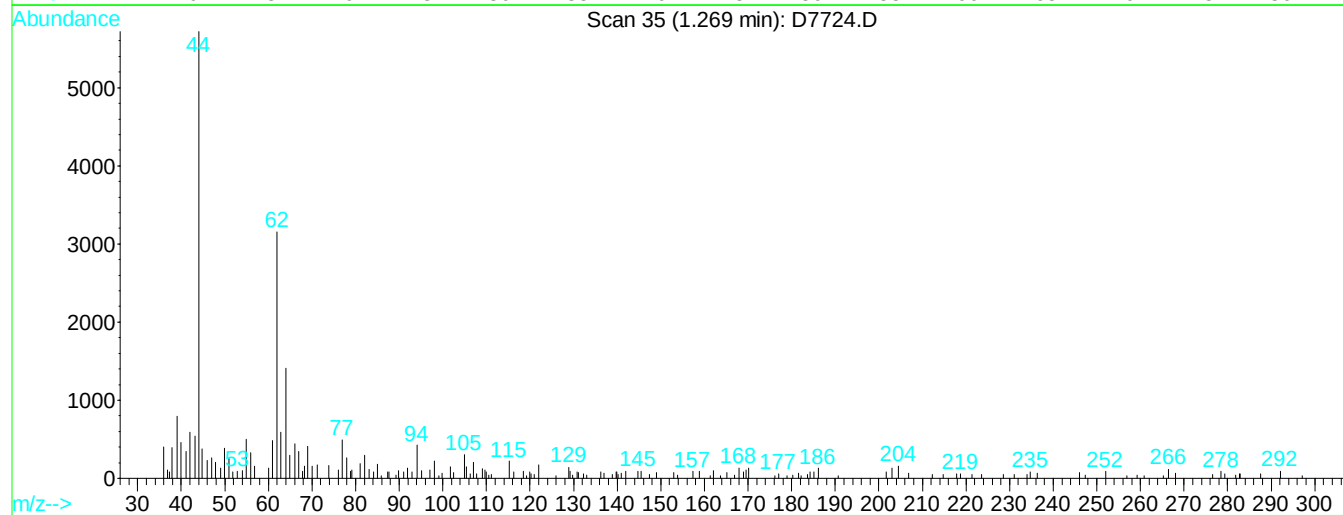
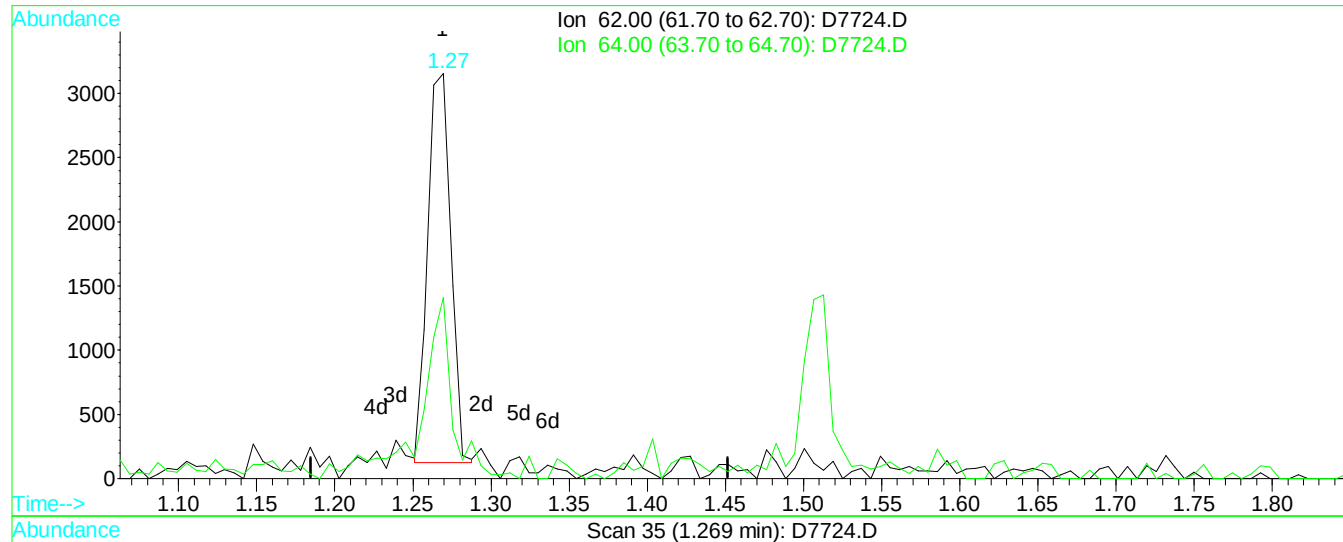
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(4) Vinyl Chloride (P)

Manual Integration:

1.27min 0.95ug/L m

After

response 3095

Poor integration.

08/25/17

Ion	Exp%	Act%
62.00	100	100
64.00	35.30	44.66
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:39 2017

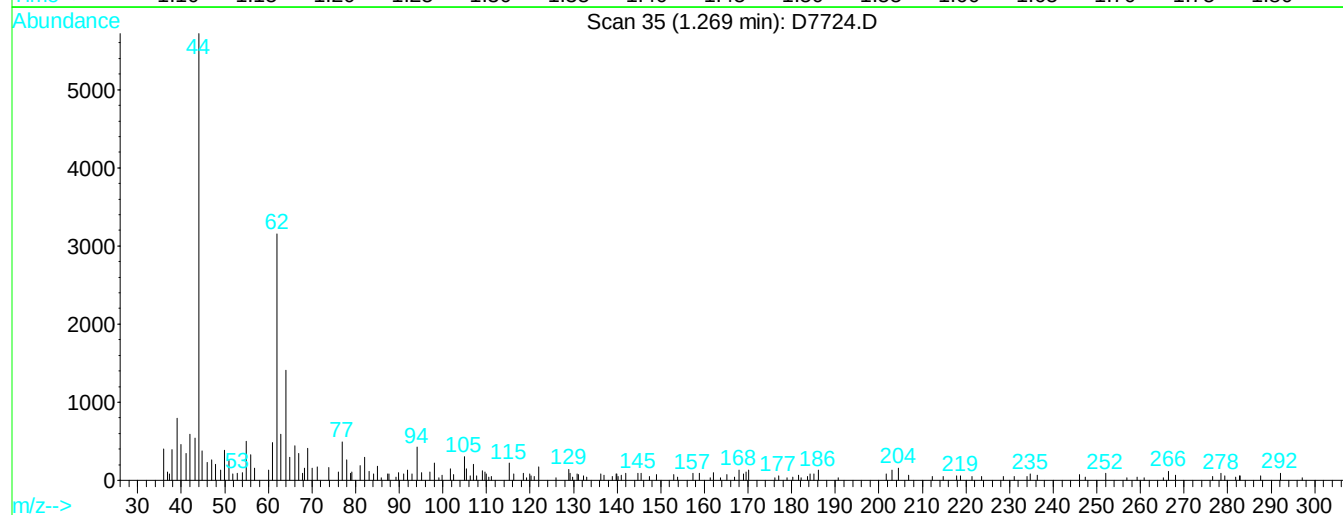
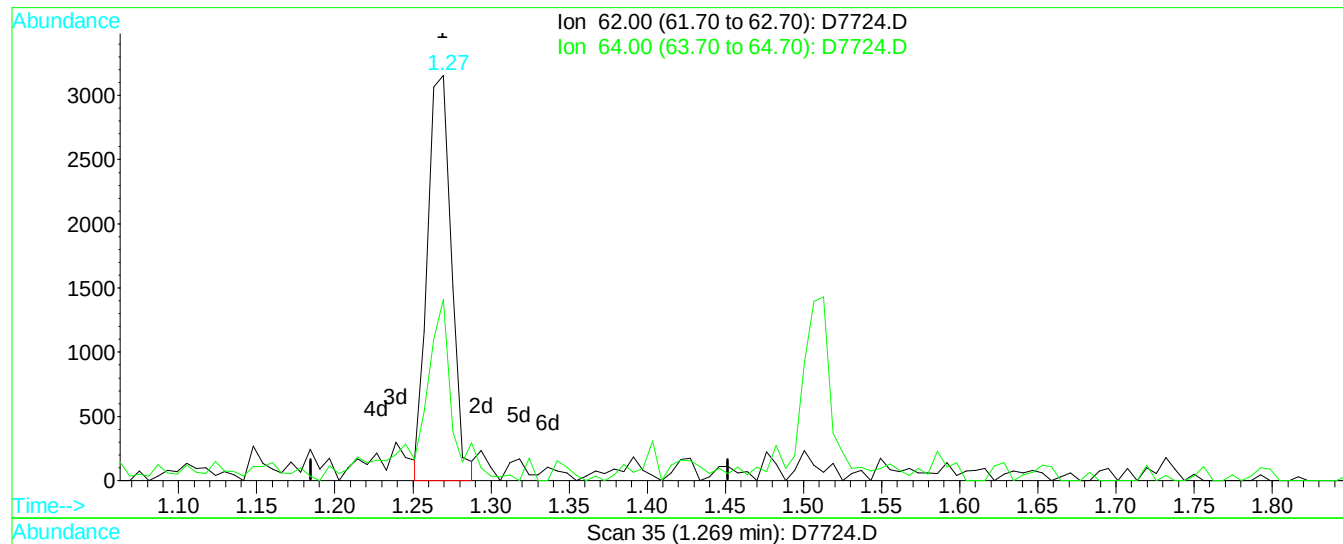
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(4) Vinyl Chloride (P)

Manual Integration:

1.27min 1.03ug/L

Before

response 3364

Ion	Exp%	Act%
62.00	100	100
64.00	35.30	44.66
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:49 2017

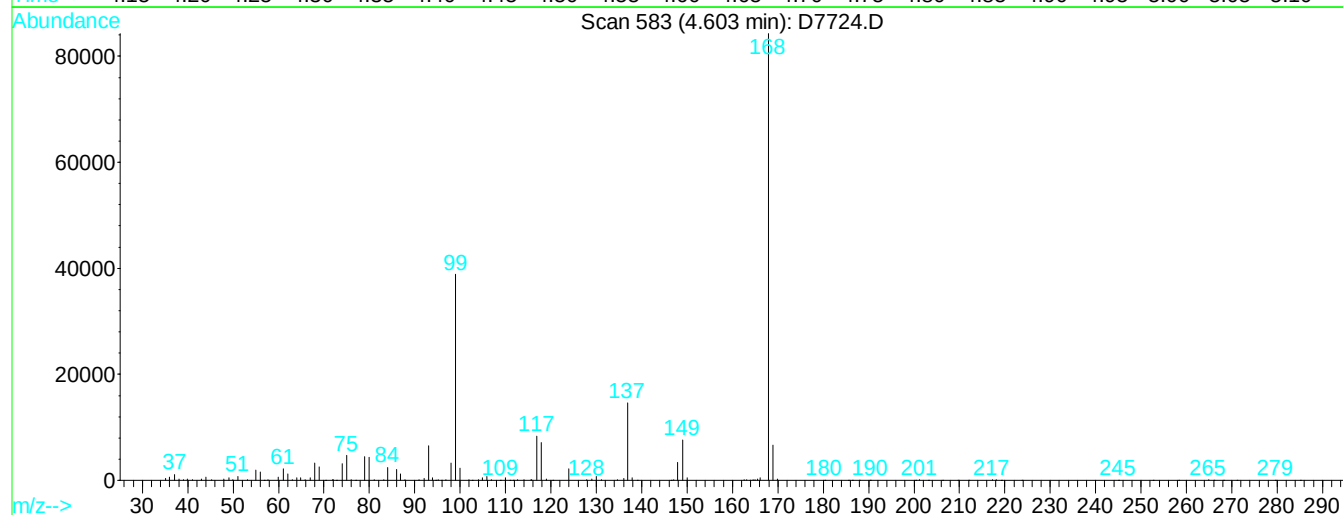
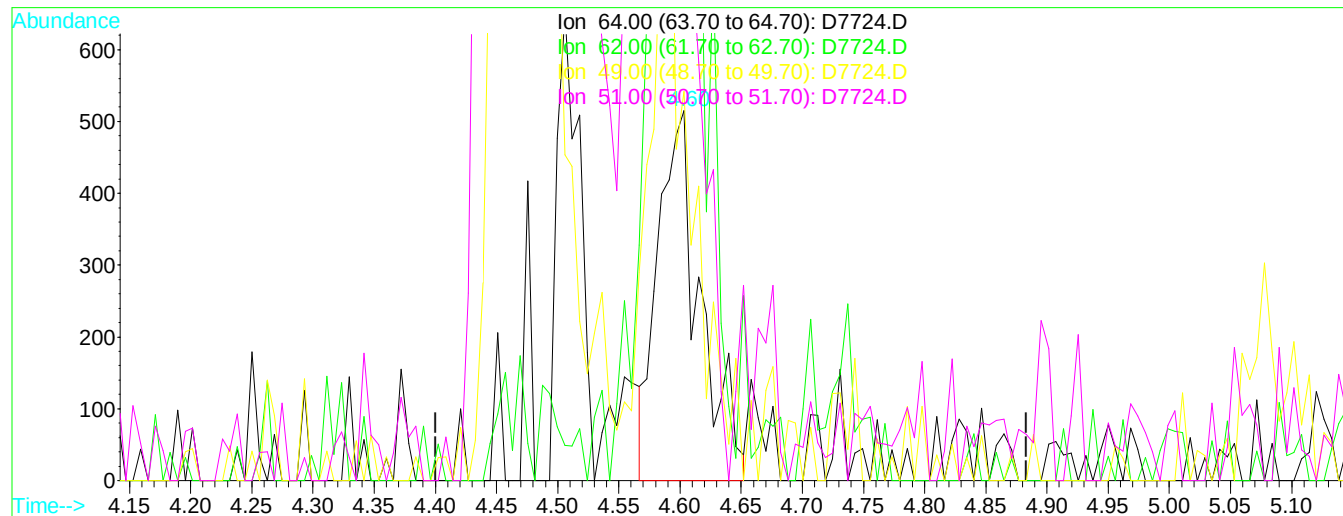
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(44) 1,2-Dichloroethane (P)

Manual Integration:

4.60min 1.28ug/L m

After

response 1233

Split Peak.

Ion	Exp%	Act%

08/25/17

64.00	100	100

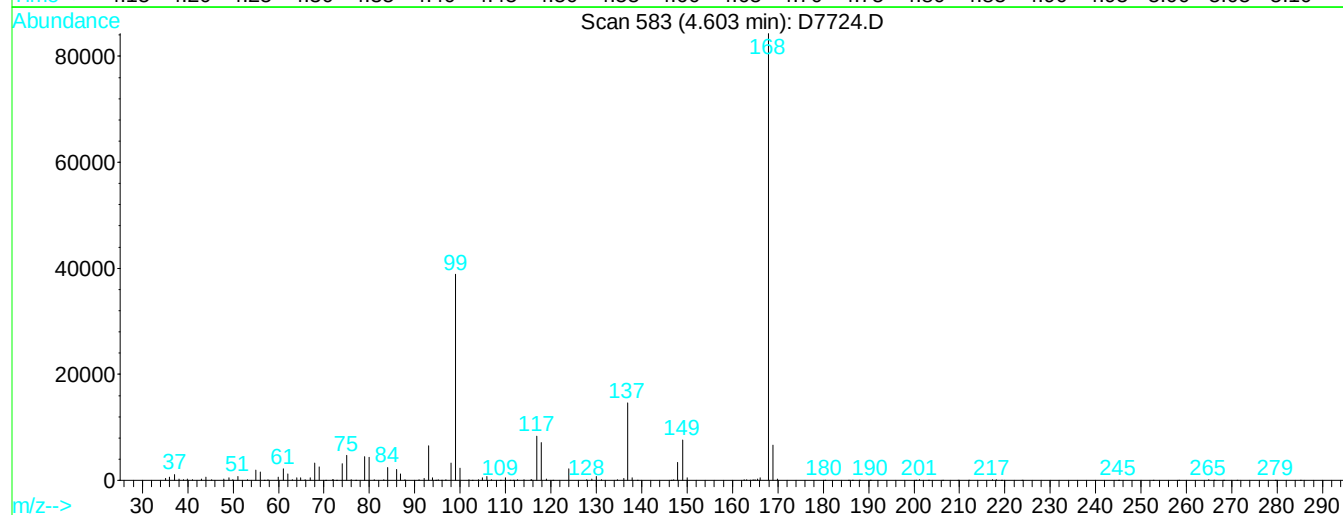
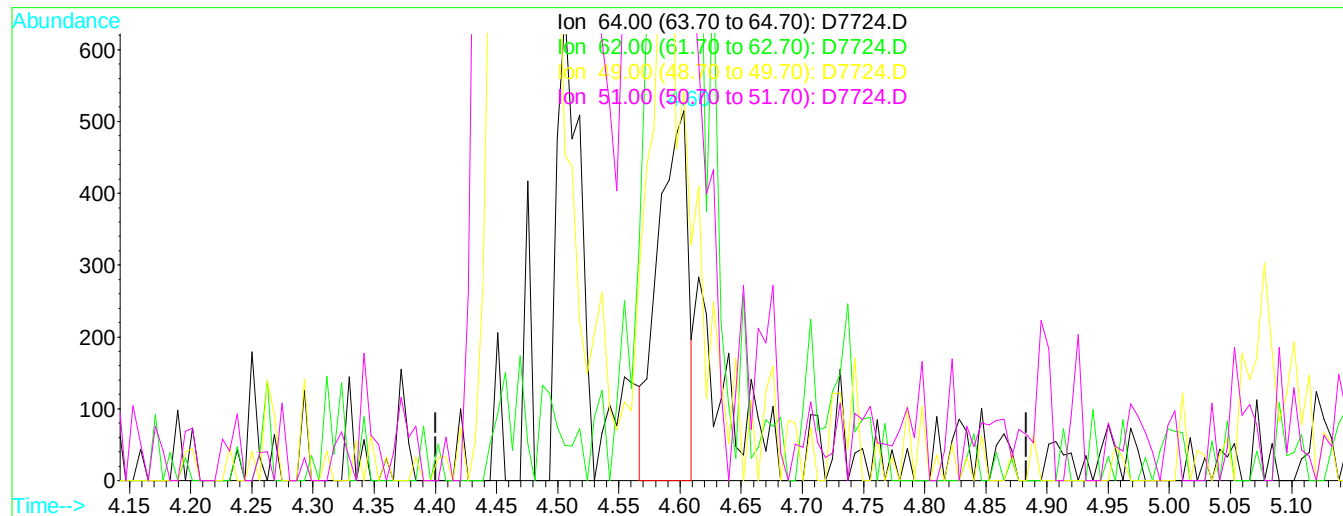
62.00	291.40	233.59#

49.00	77.00	105.24#

51.00	29.80	153.01#

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:48 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(44) 1,2-Dichloroethane (P)

Manual Integration:

4.60min 0.92ug/L

Before

response 882

Ion	Exp%	Act%

08/25/17

64.00	100	100

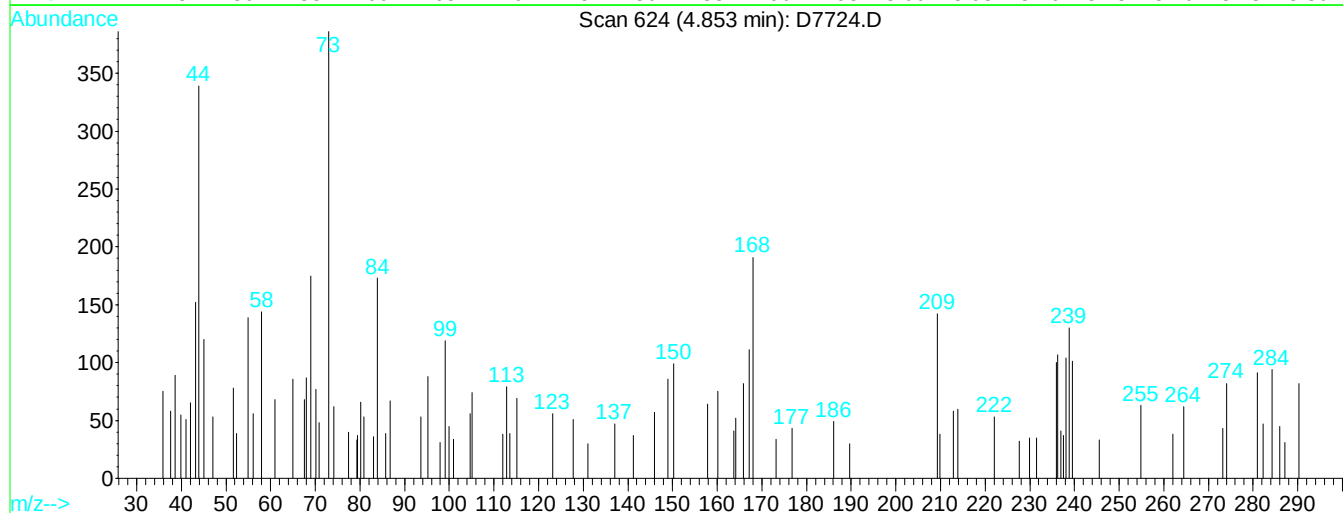
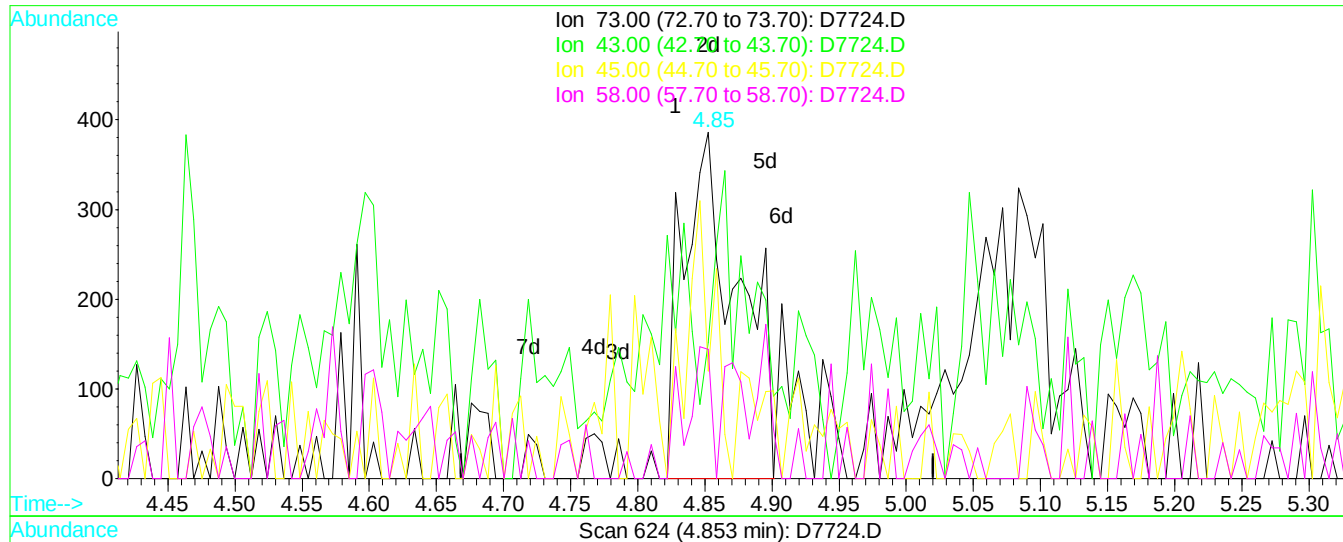
62.00	291.40	233.59#

49.00	77.00	105.24#

51.00	29.80	153.01#

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:50 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(45) 2-Methyl-1,3-Dioxolane

4.85min 4.72ug/L m

response 1097

Ion	Exp%	Act%
73.00	100	100
43.00	45.30	39.38
45.00	44.60	31.09
58.00	21.20	37.31

Manual Integration:

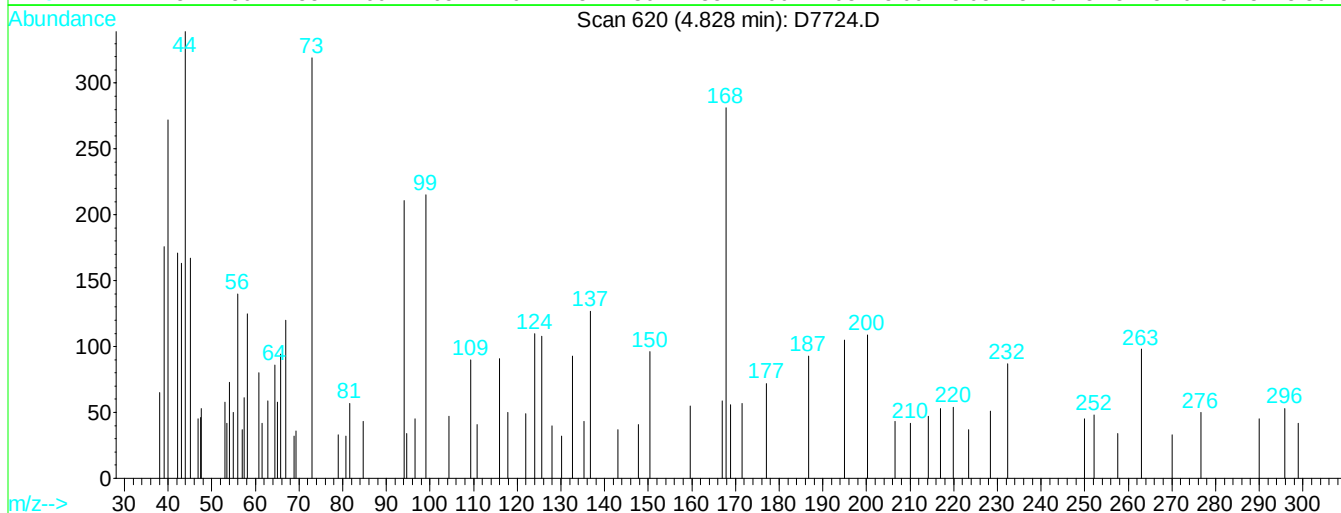
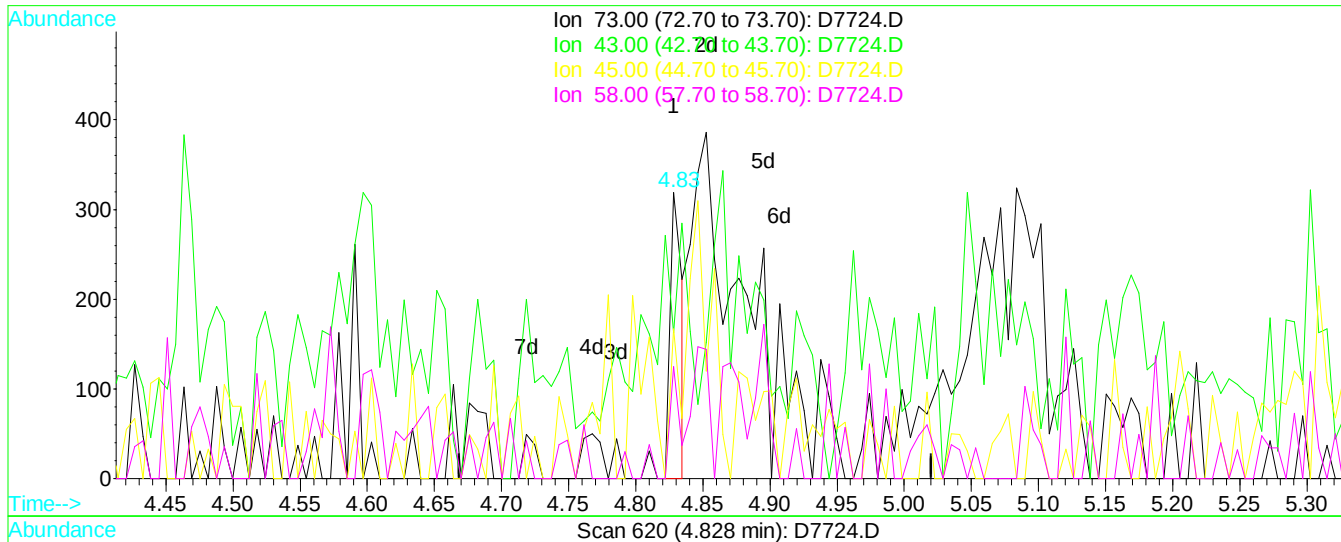
After

Peak not found.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:49 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(45) 2-Methyl-1,3-Dioxolane

Manual Integration:

4.83min 0.85ug/L

Before

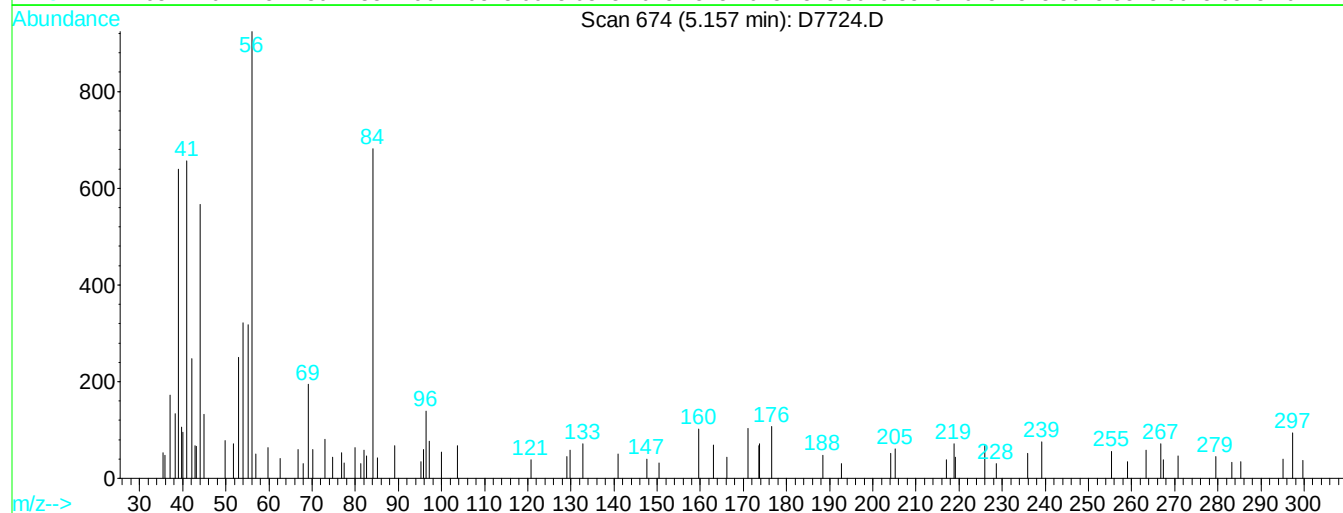
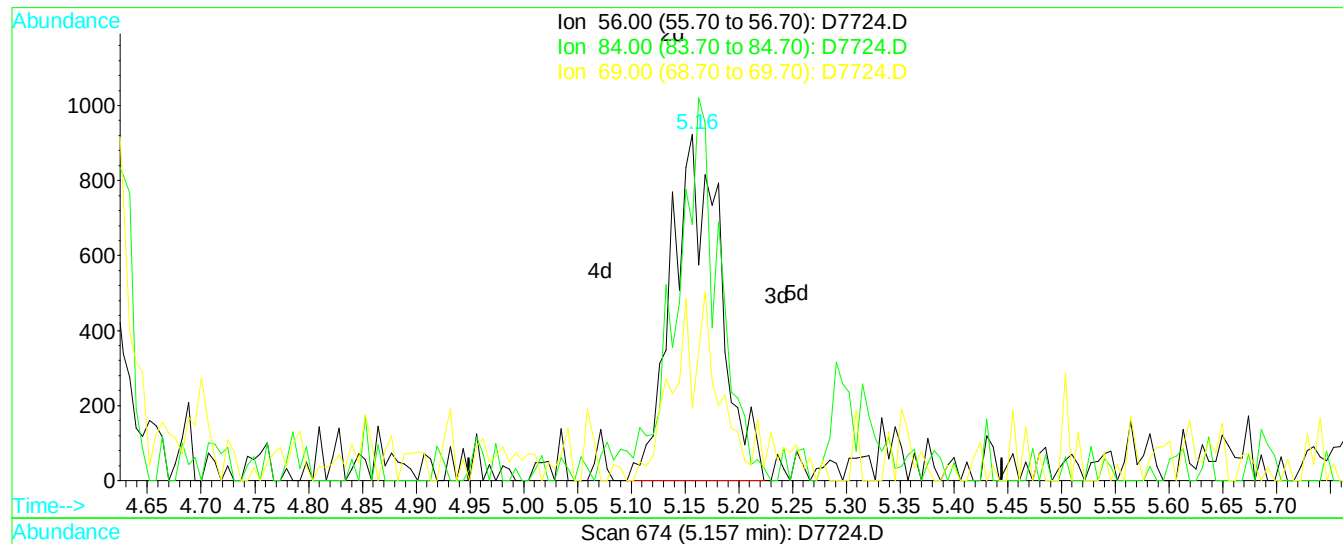
response 197

Ion	Exp%	Act%
73.00	100	100
43.00	45.30	51.10
45.00	44.60	52.35
58.00	21.20	39.18

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:50 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(47) Cyclohexane (P)

Manual Integration:

5.16min 1.13ug/L m

After

response 2940

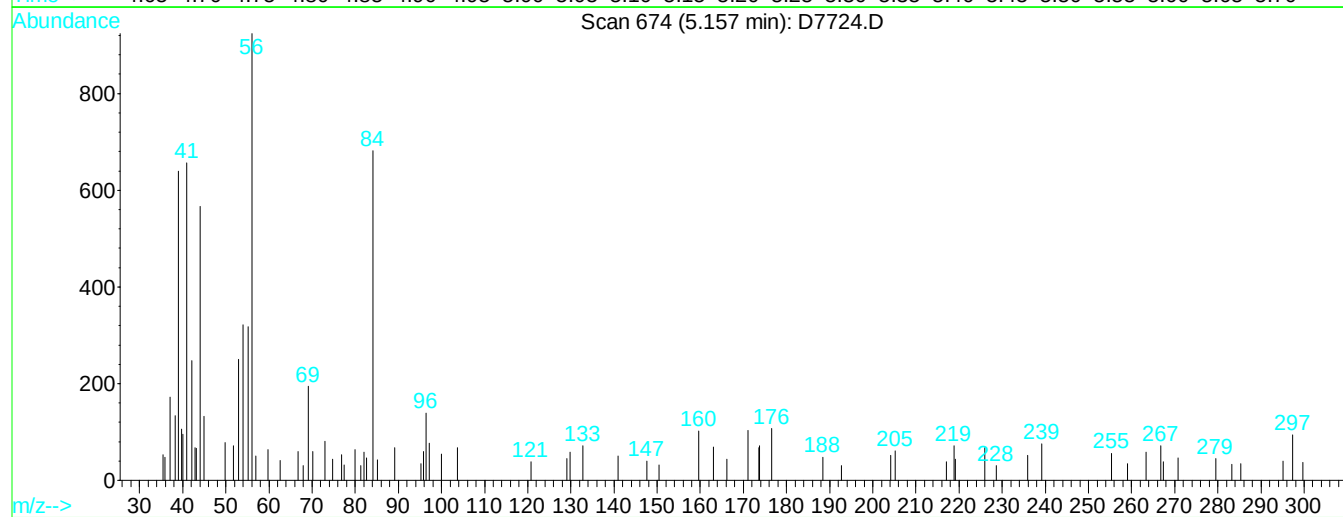
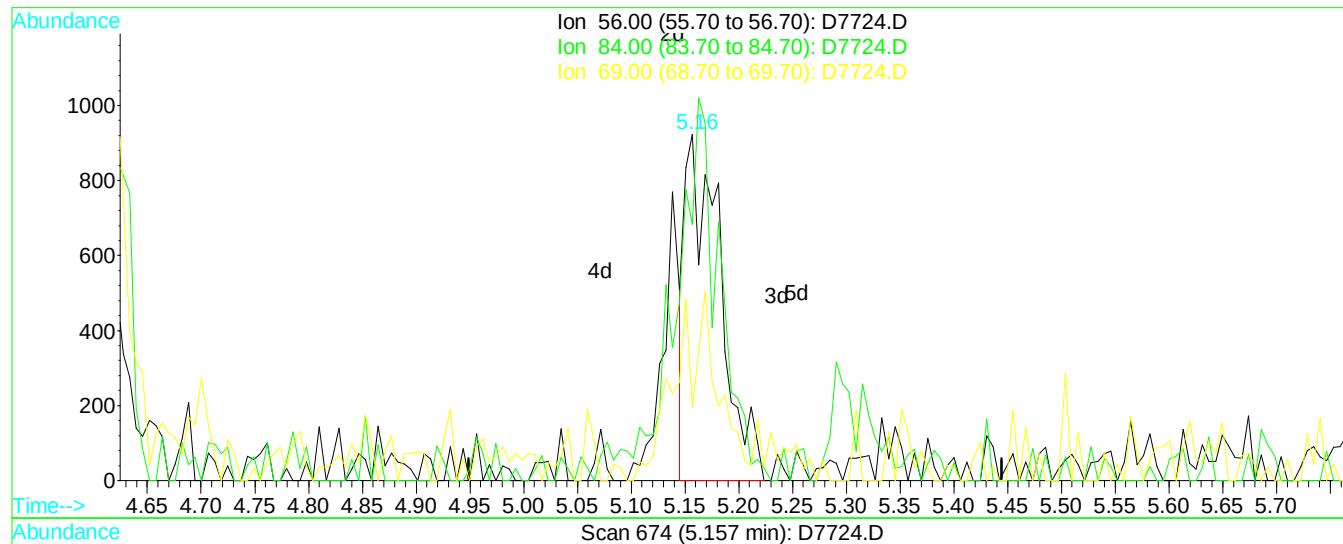
Split Peak.

08/25/17

Ion	Exp%	Act%
56.00	100	100
84.00	92.00	73.81
69.00	31.60	21.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:50 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(47) Cyclohexane (P)

Manual Integration:

5.16min 0.81ug/L

Before

response 2122

08/25/17

Ion	Exp%	Act%
56.00	100	100
84.00	92.00	73.81
69.00	31.60	21.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:51 2017

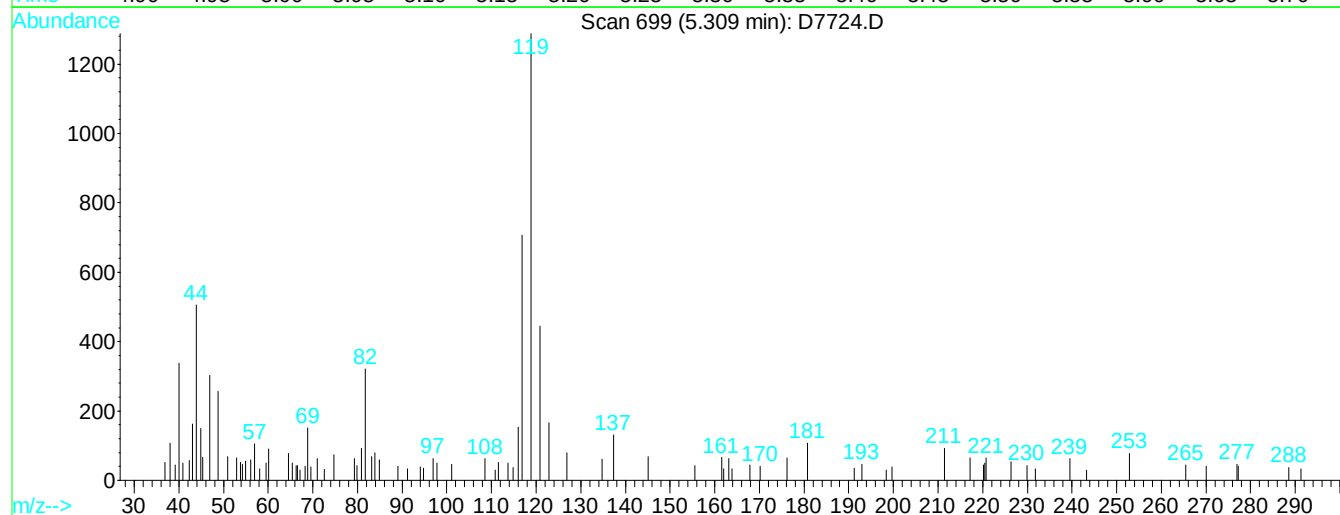
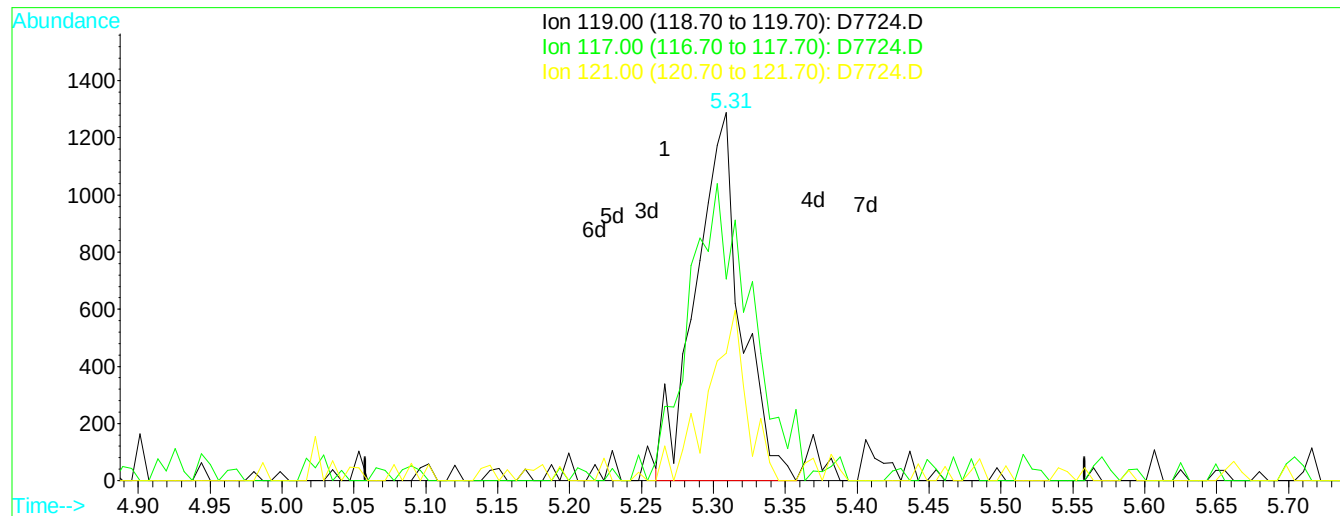
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(48) Carbontetrachloride (P)

Manual Integration:

5.31min 1.00ug/L m

After

response 2822

Peak not found.

Ion	Exp%	Act%

08/25/17

119.00	100	100

117.00	96.70	54.89#

121.00	33.20	34.55

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:50 2017

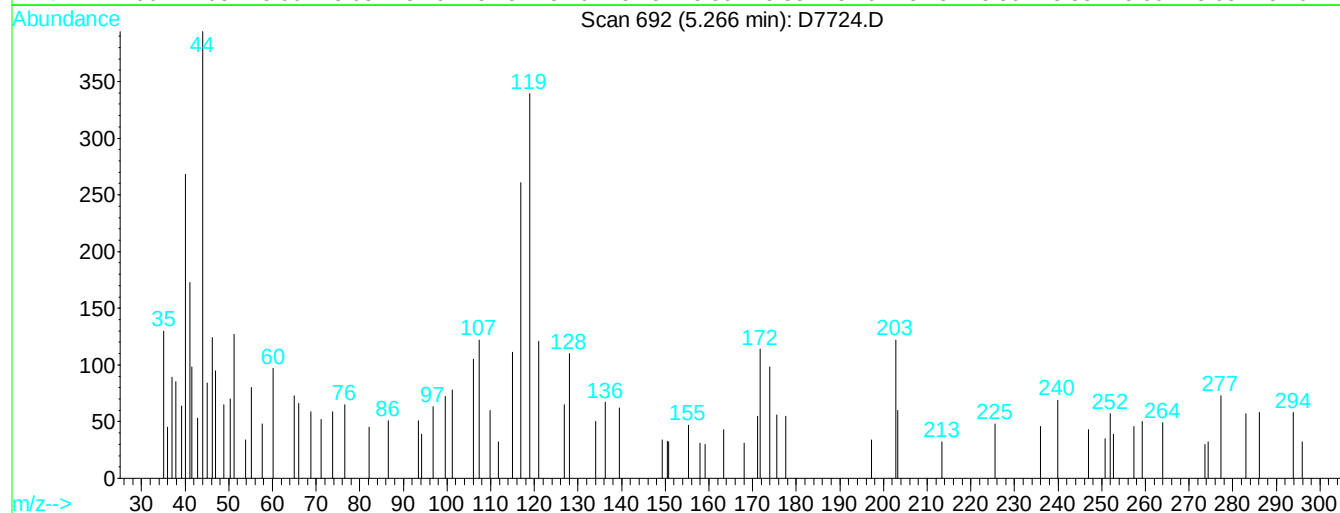
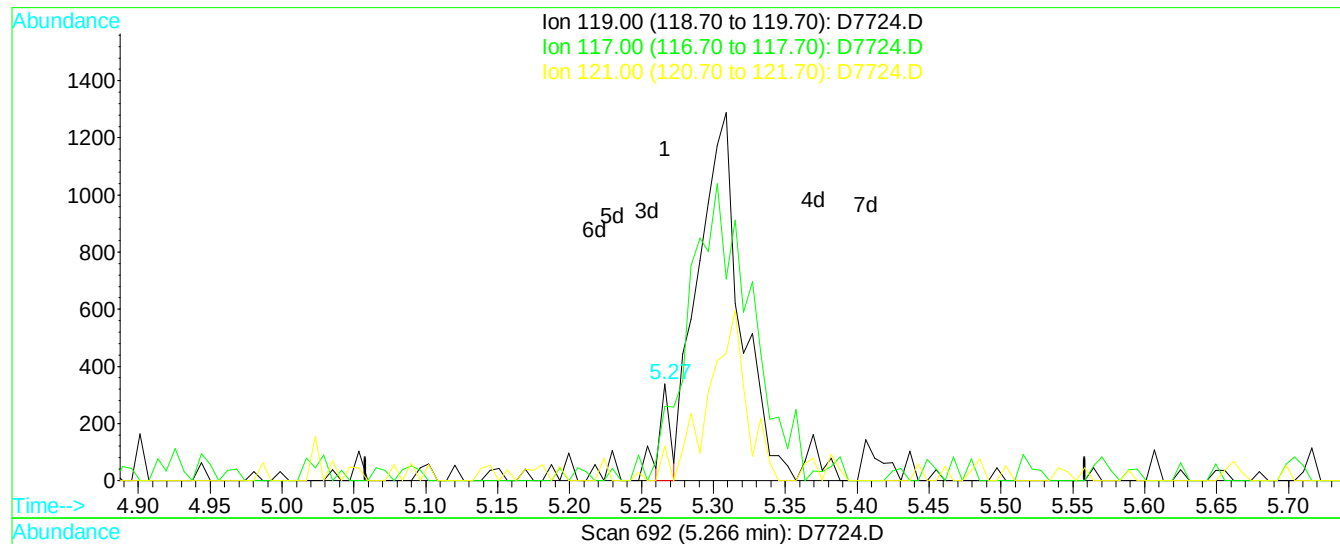
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(48) Carbontetrachloride (P)

Manual Integration:

5.27min 0.05ug/L

Before

response 146

Ion	Exp%	Act%

08/25/17

119.00	100	100

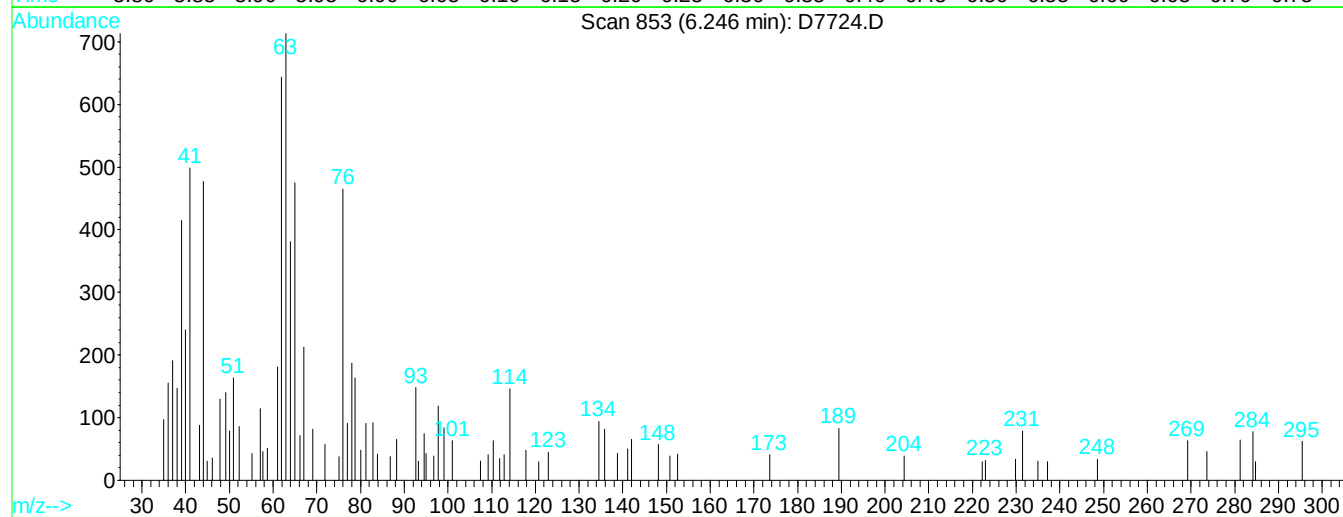
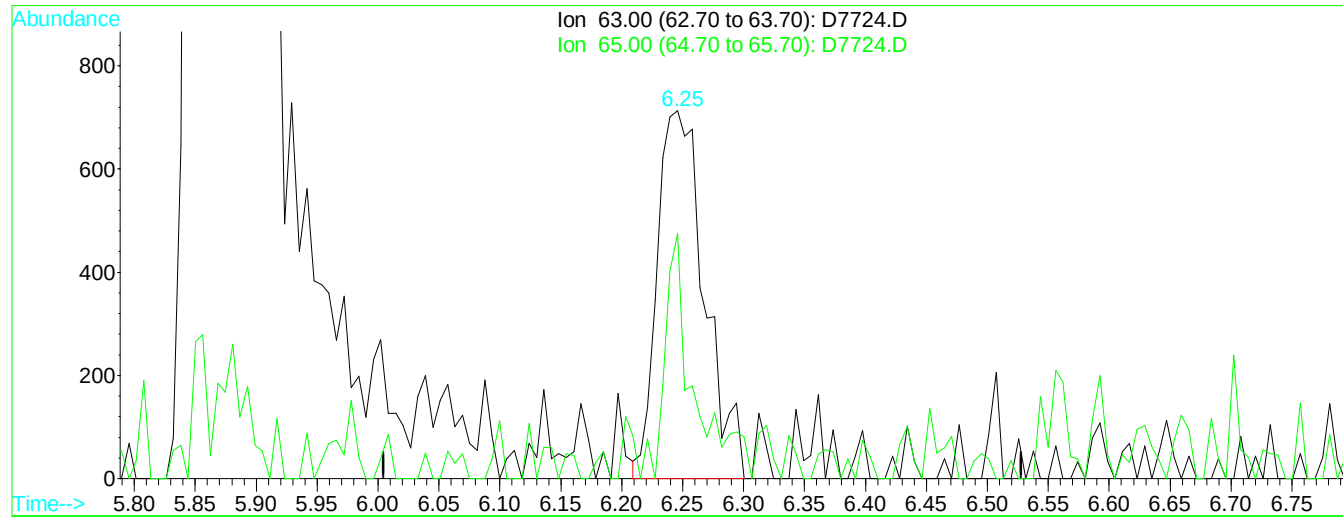
117.00	96.70	76.99

121.00	33.20	35.69

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:51 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(52) 1,2-Dichloropropane (P)

6.25min 1.10ug/L m

response 1919

Ion	Exp%	Act%
63.00	100	100
65.00	30.10	39.13
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:51 2017

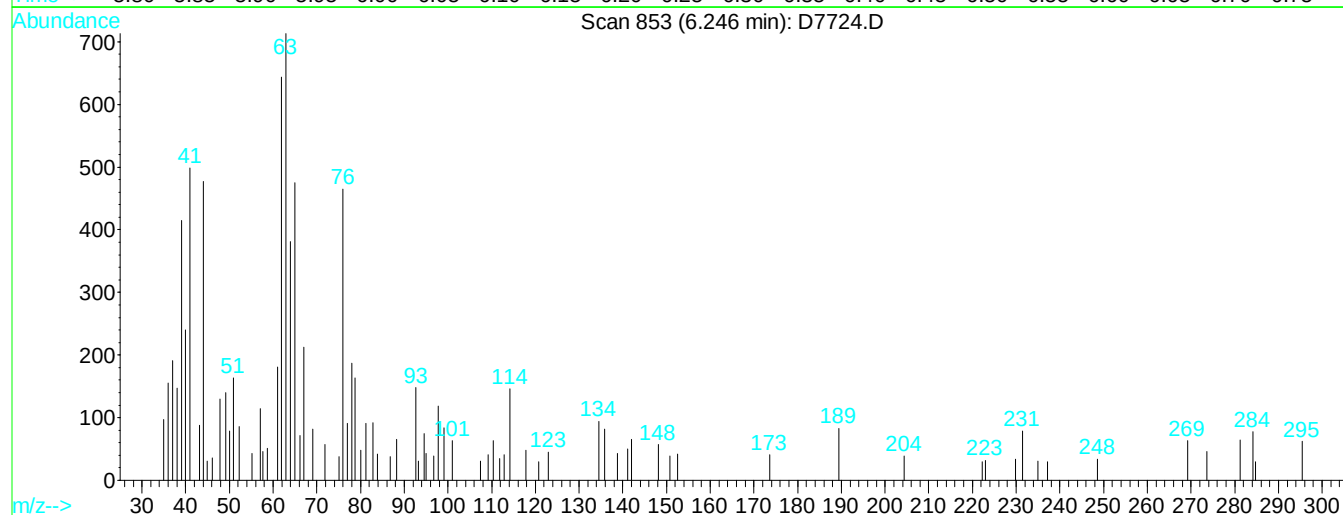
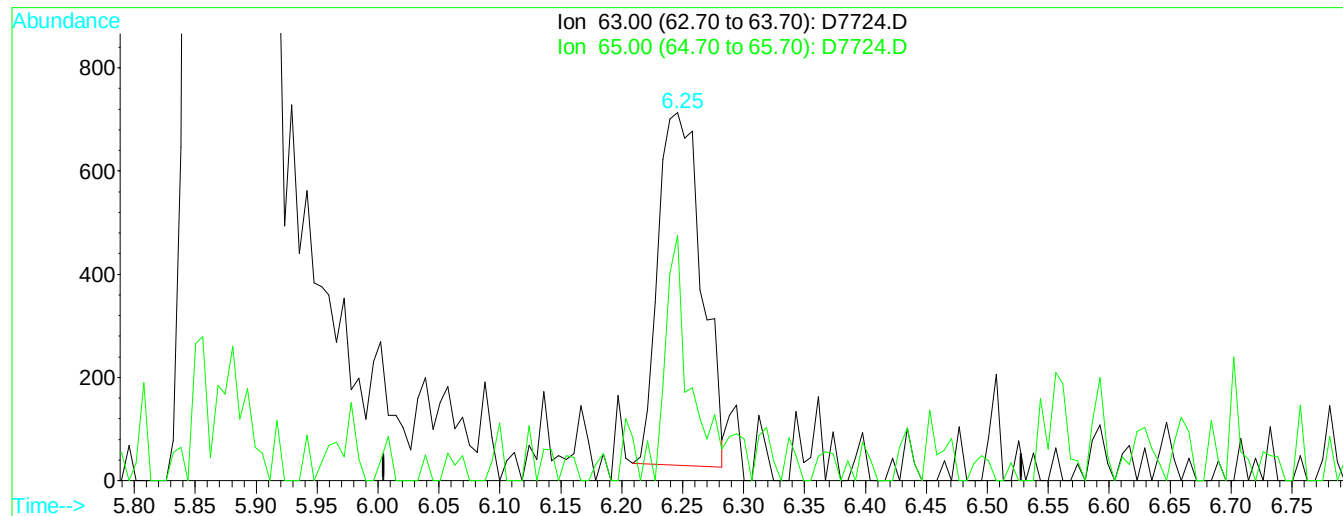
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(52) 1,2-Dichloropropane (P)

Manual Integration:

6.25min 0.96ug/L

Before

response 1687

Ion	Exp%	Act%

08/25/17

63.00	100	100

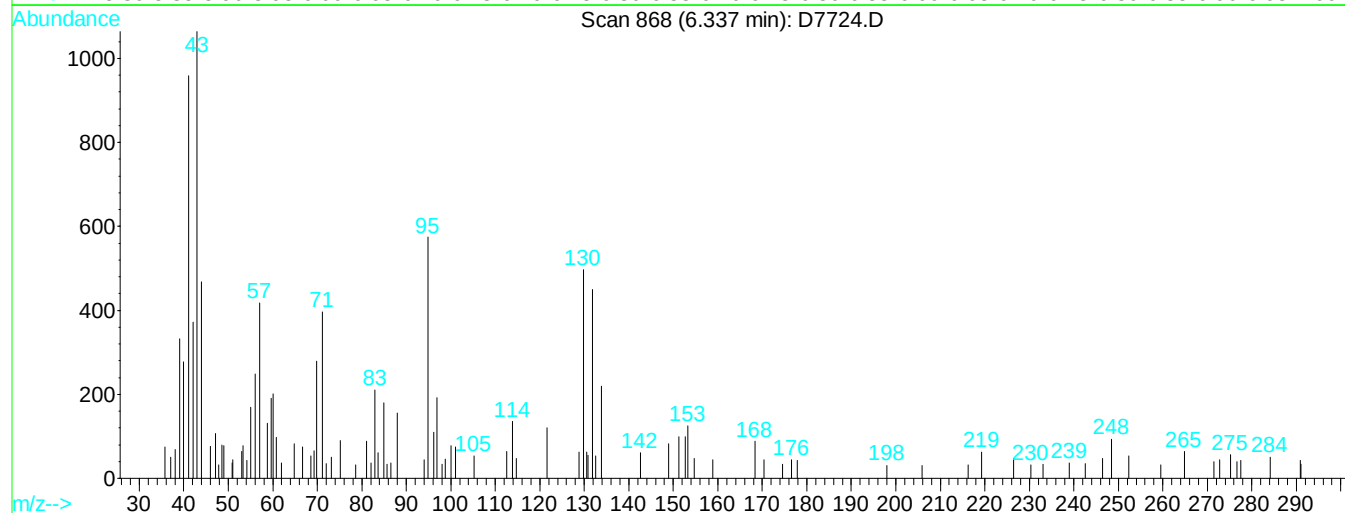
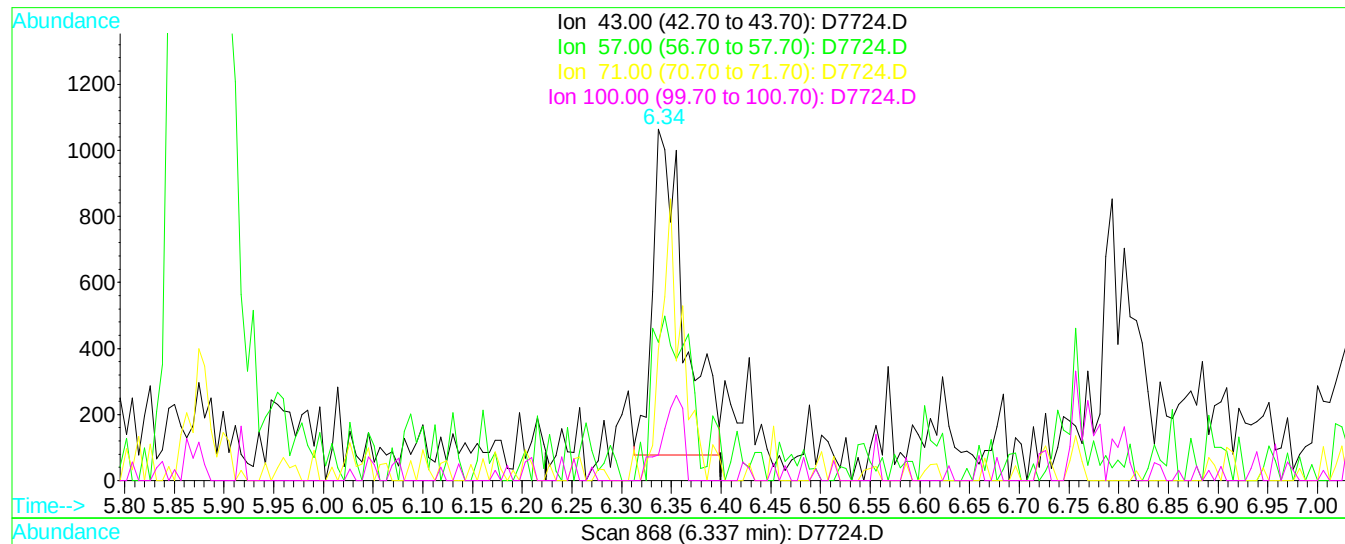
65.00	30.10	44.52

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:52 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(53) n-Heptane

6.34min 1.14ug/L m

response 2174

Ion	Exp%	Act%
43.00	100	100
57.00	55.20	39.29
71.00	56.30	37.31
100.00	17.70	7.33

Manual Integration:

After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:51 2017

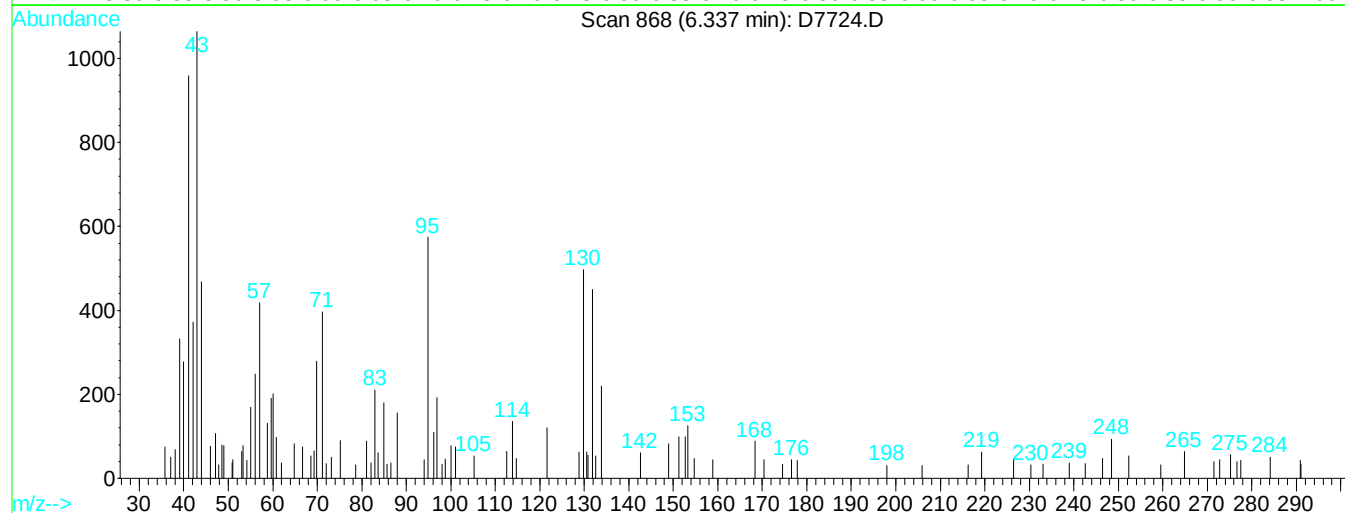
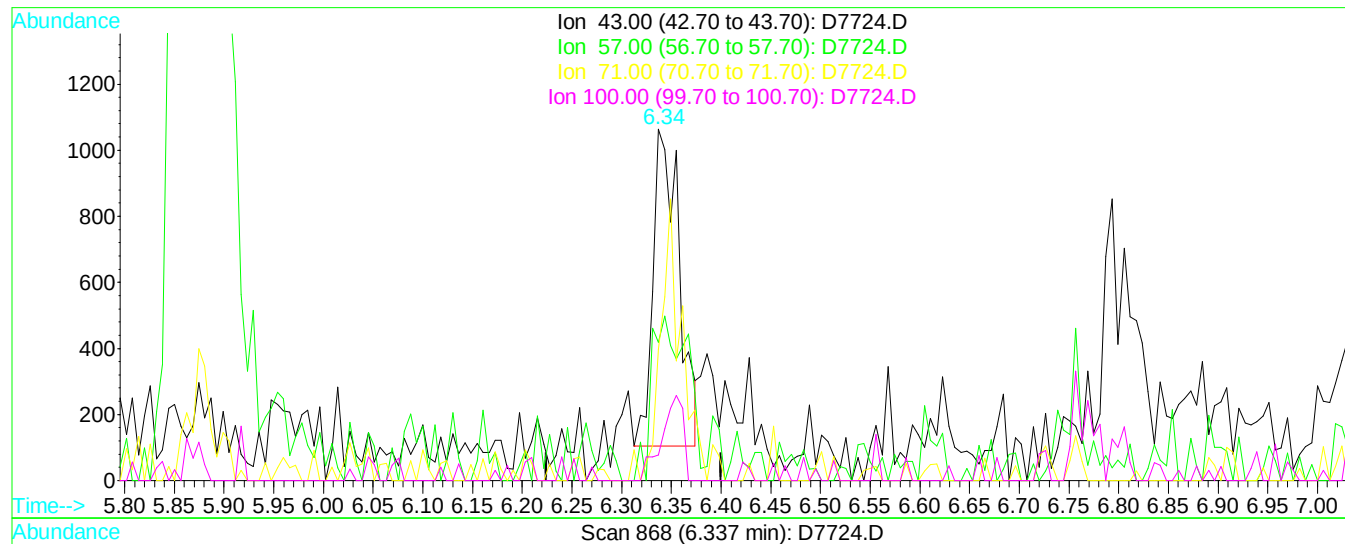
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(53) n-Heptane

Manual Integration:

6.34min 0.92ug/L

Before

response 1754

Ion	Exp%	Act%

08/25/17

43.00	100	100

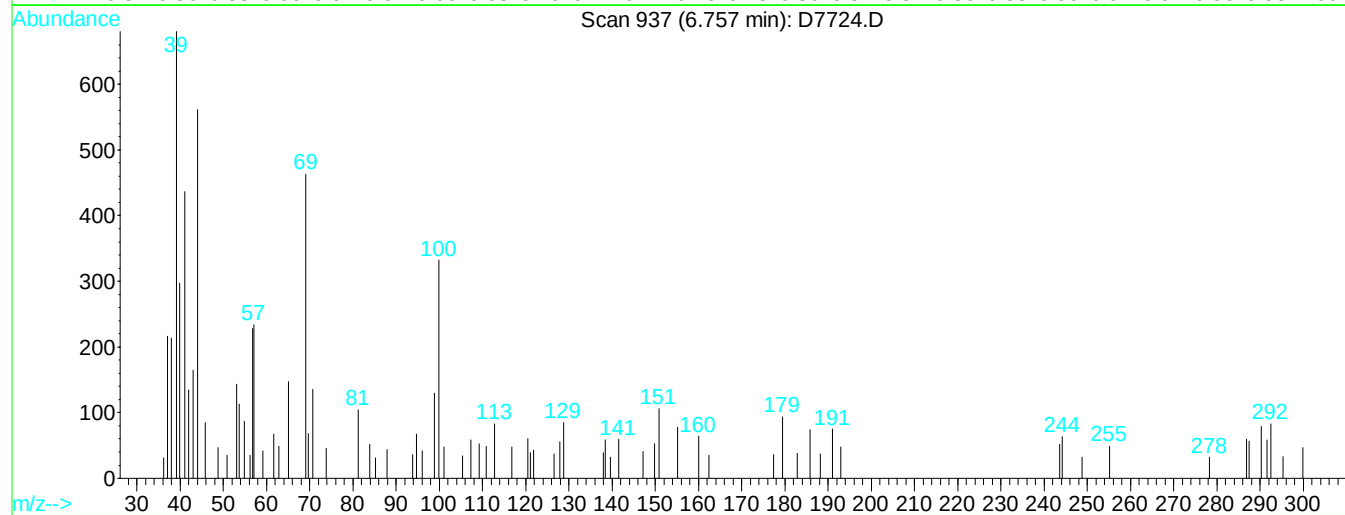
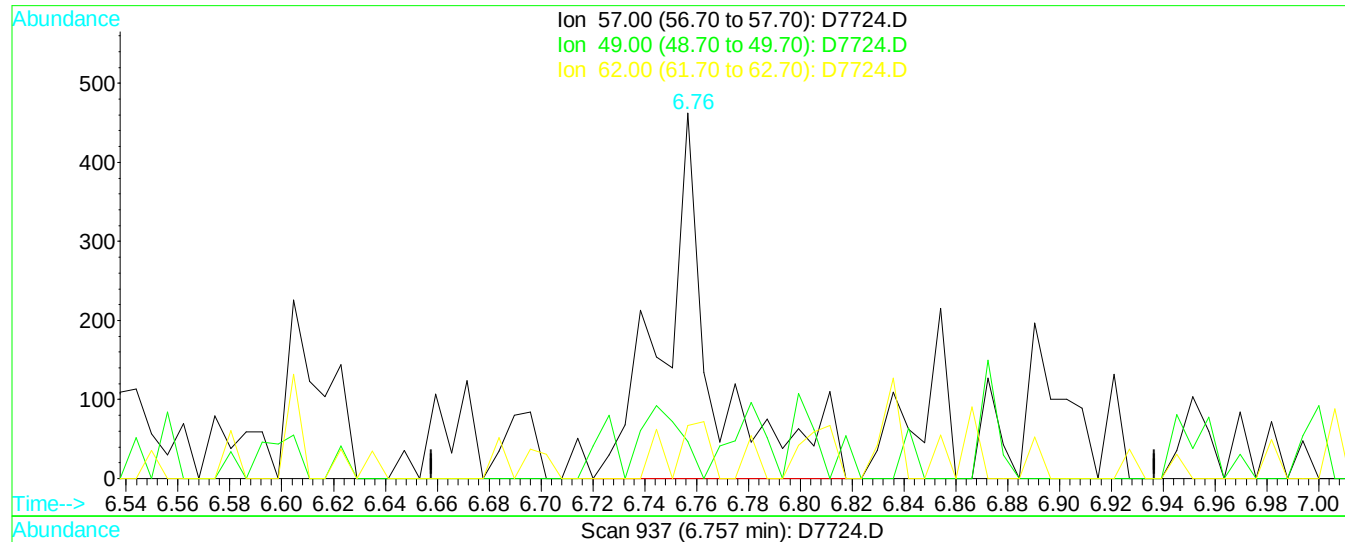
57.00	55.20	39.29

71.00	56.30	37.31

100.00	17.70	7.33

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:53 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(57) Epichlorohydrin

6.76min 4.55ug/L m

response 635

Ion	Exp%	Act%
57.00	100	100
49.00	34.00	20.09
62.00	23.60	28.63
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:52 2017

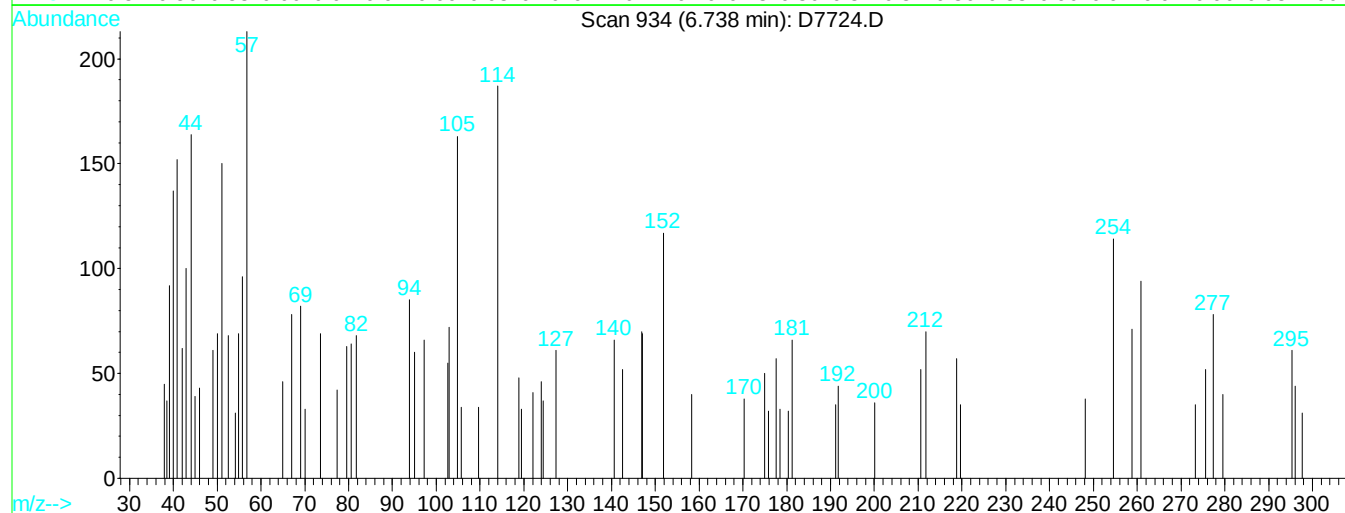
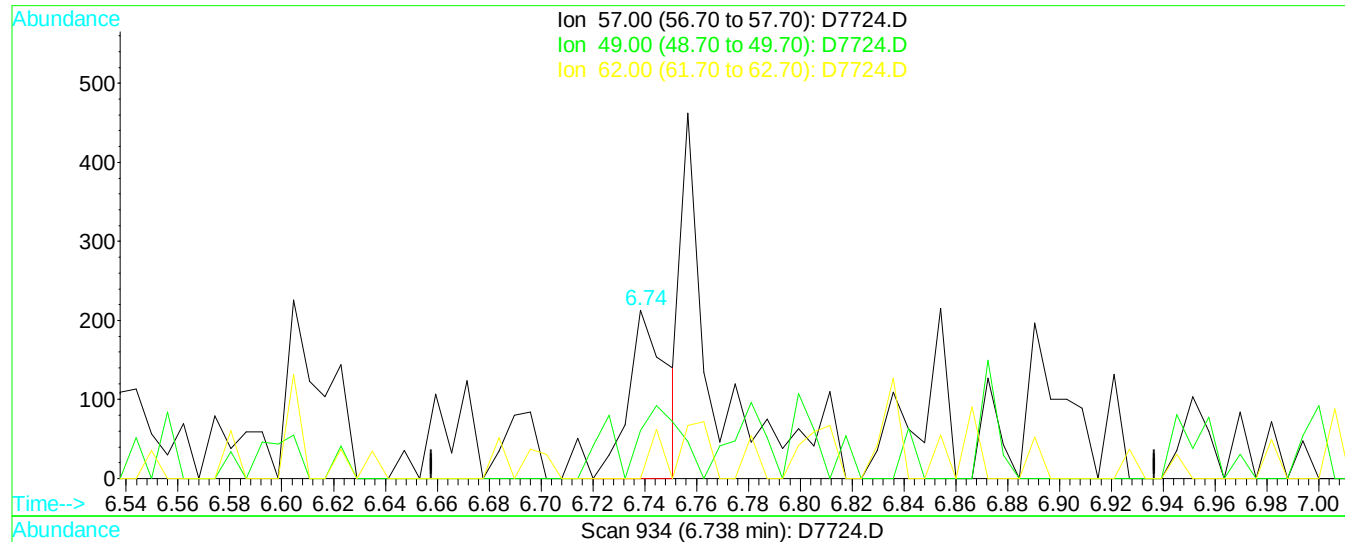
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(57) Epichlorohydrin

Manual Integration:

6.74min 1.58ug/L

Before

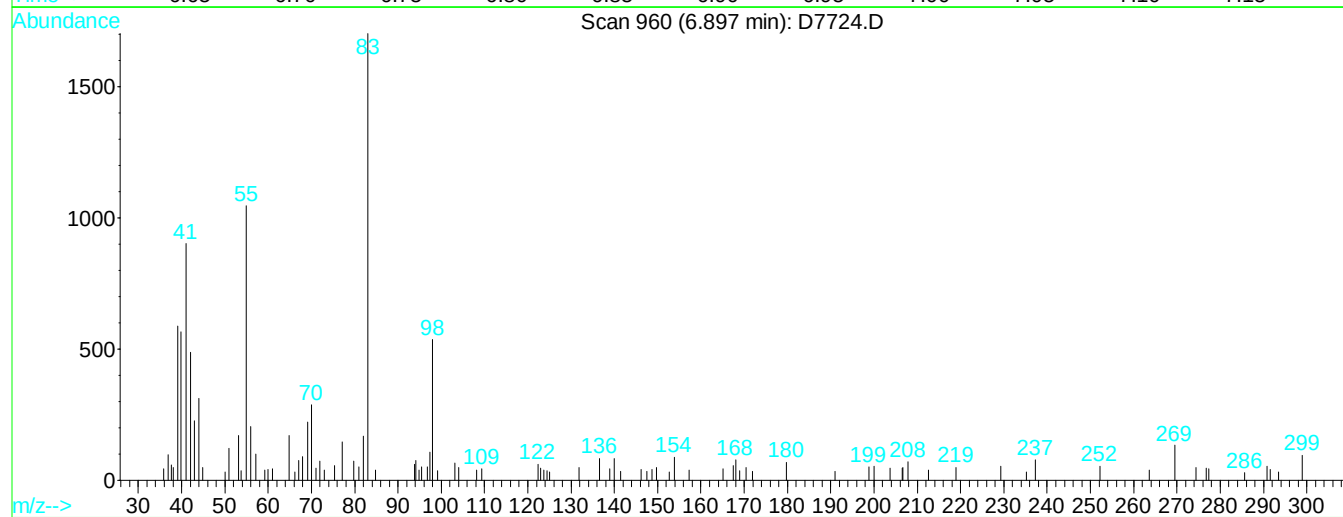
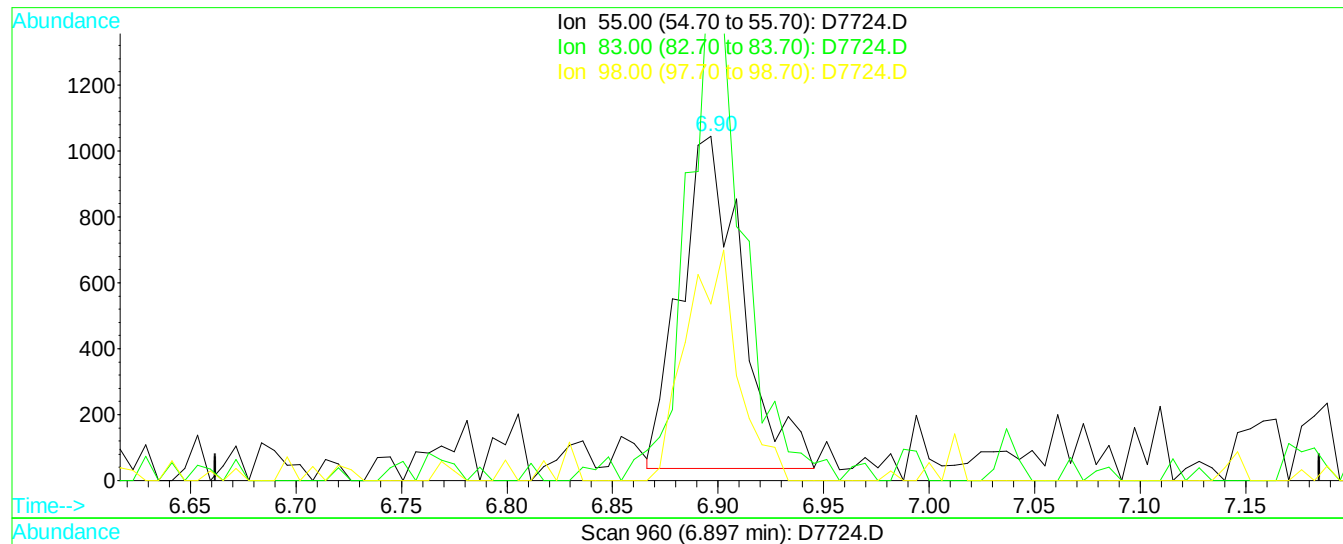
response 221

08/25/17

Ion	Exp%	Act%
57.00	100	100
49.00	34.00	28.64
62.00	23.60	0.00#
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:54 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(59) Methylcyclohexane (P)

Manual Integration:

6.90min 0.95ug/L m

After

response 2045

Poor integration.

Ion	Exp%	Act%
55.00	100	100
83.00	134.80	136.63
98.00	62.30	59.17
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:53 2017

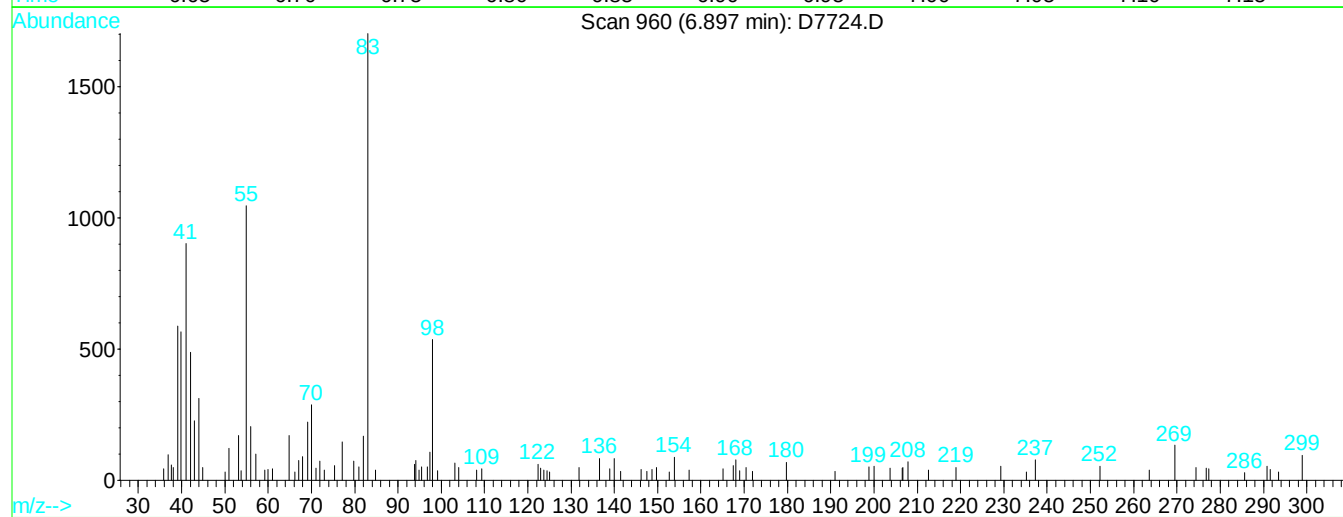
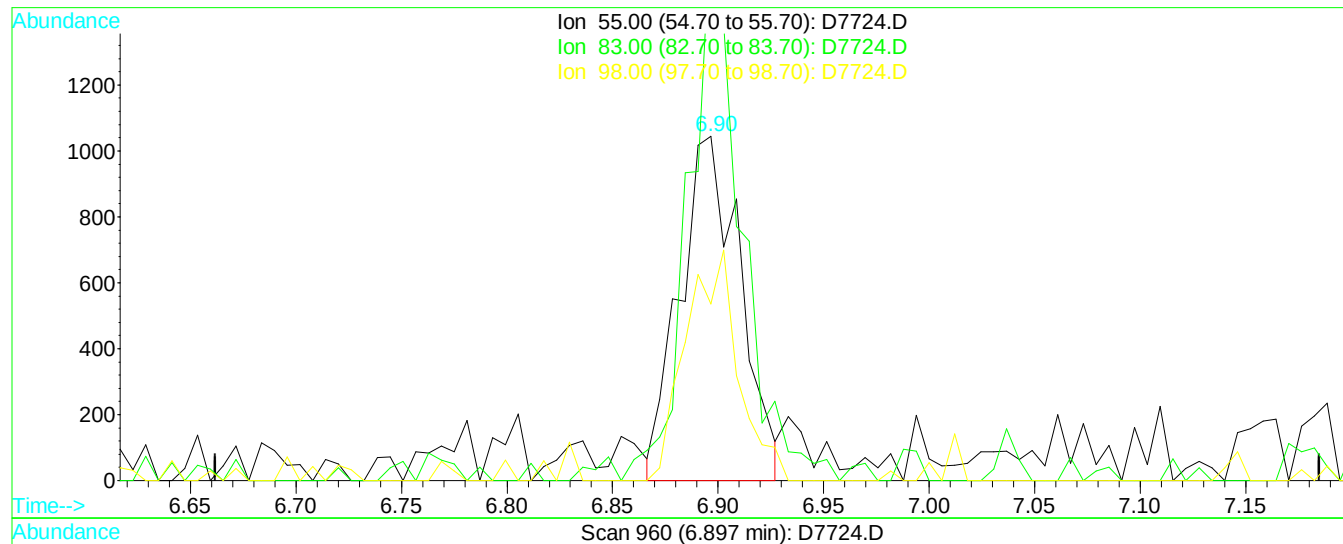
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(59) Methylcyclohexane (P)

Manual Integration:

6.90min 0.97ug/L

Before

response 2078

Ion	Exp%	Act%

08/25/17

55.00	100	100

83.00	134.80	134.46

98.00	62.30	58.23

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:41 2017

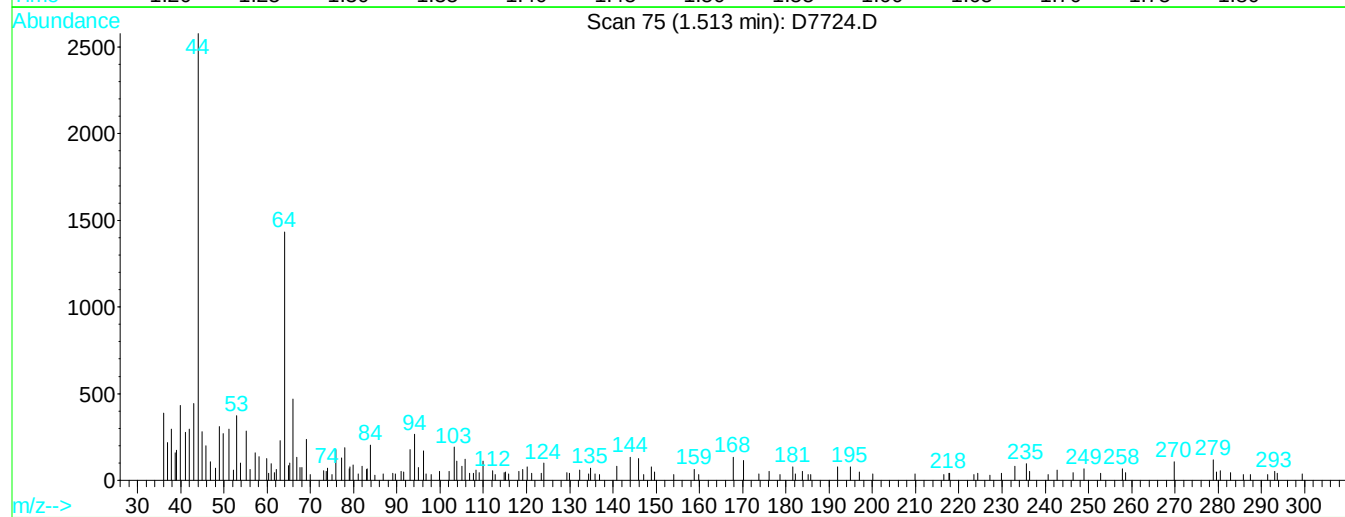
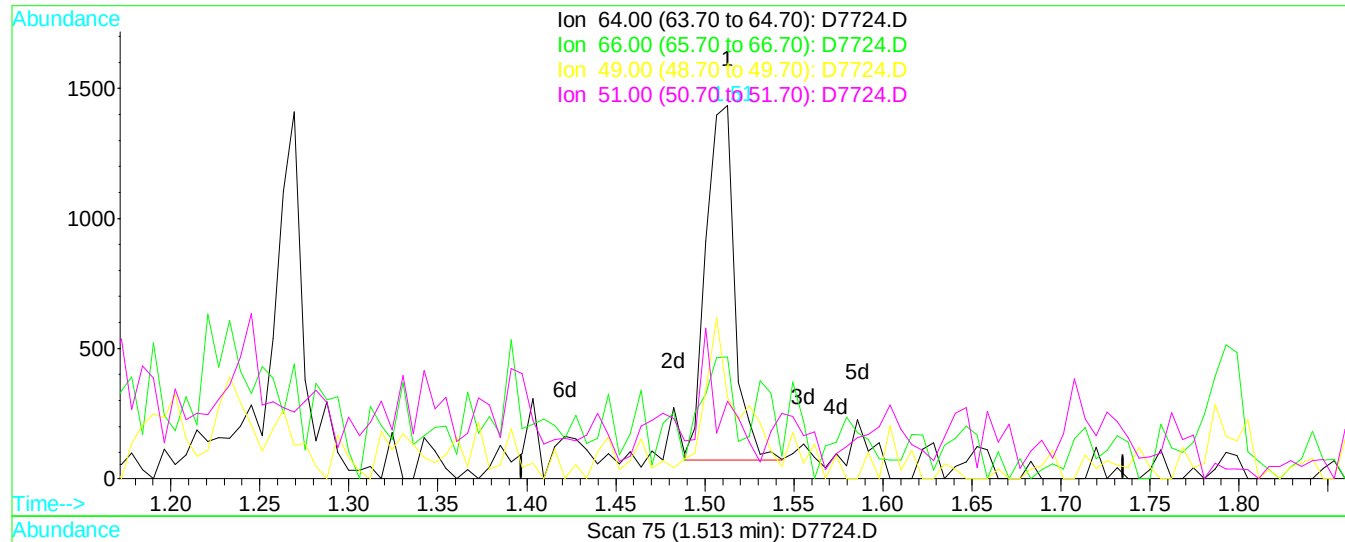
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(6) Chloroethane (P)

Manual Integration:

1.51min 0.94ug/L m

After

response 1514

Poor integration.

Ion	Exp%	Act%
64.00	100	100
66.00	34.30	32.66
49.00	30.70	21.77
51.00	10.50	20.73

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:40 2017

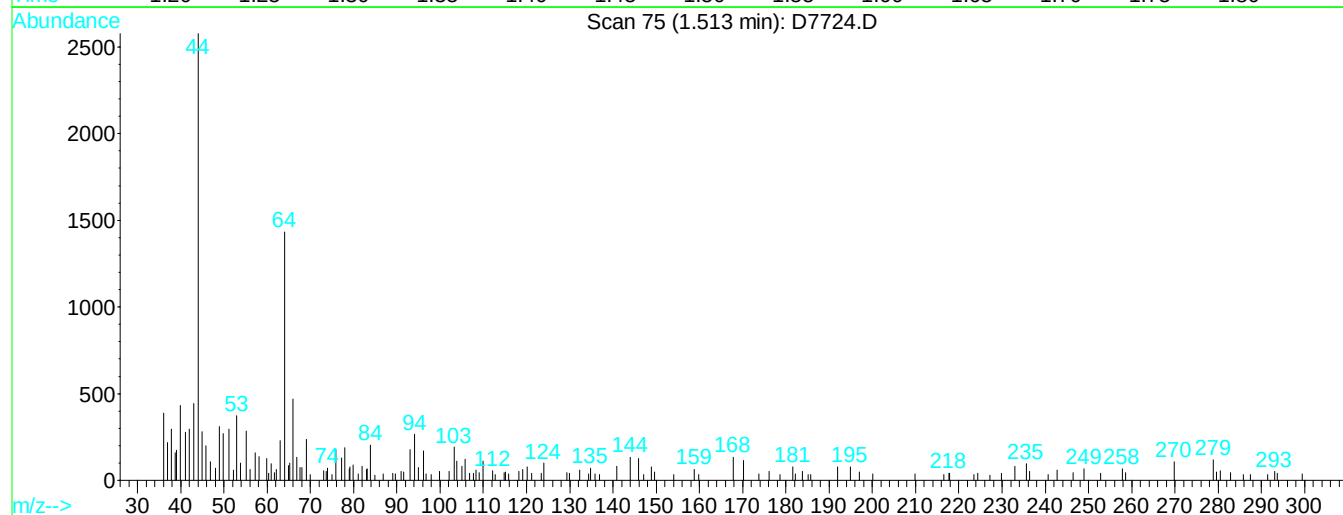
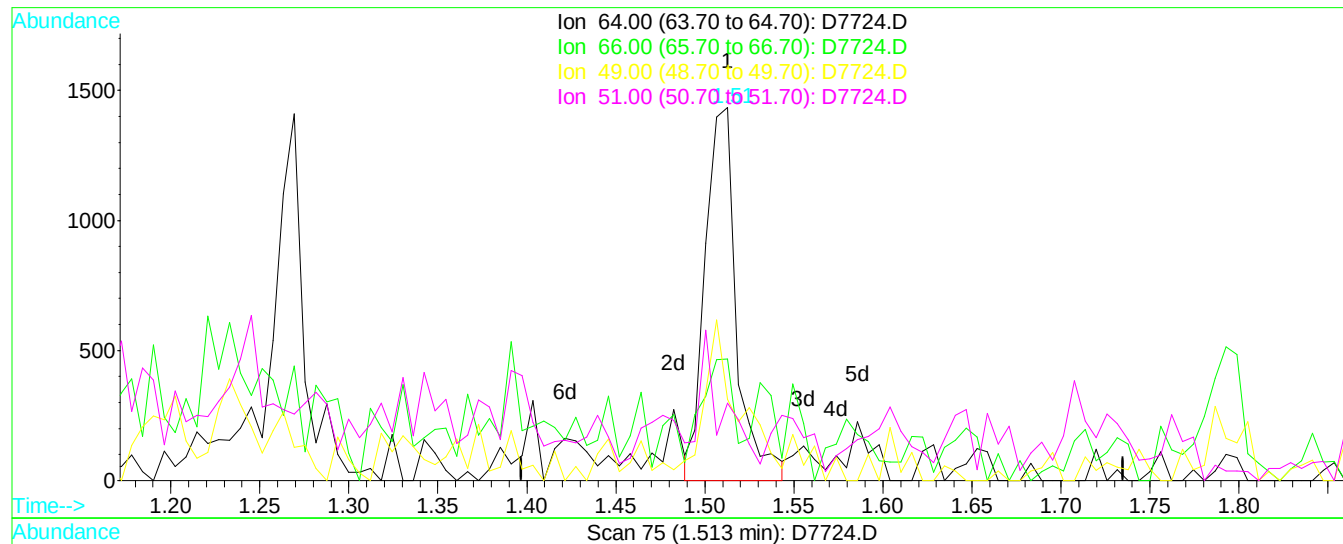
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(6) Chloroethane (P)

Manual Integration:

1.51min 1.09ug/L

Before

response 1751

Ion	Exp%	Act%
64.00	100	100
66.00	34.30	32.66
49.00	30.70	21.77
51.00	10.50	20.73

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:55 2017

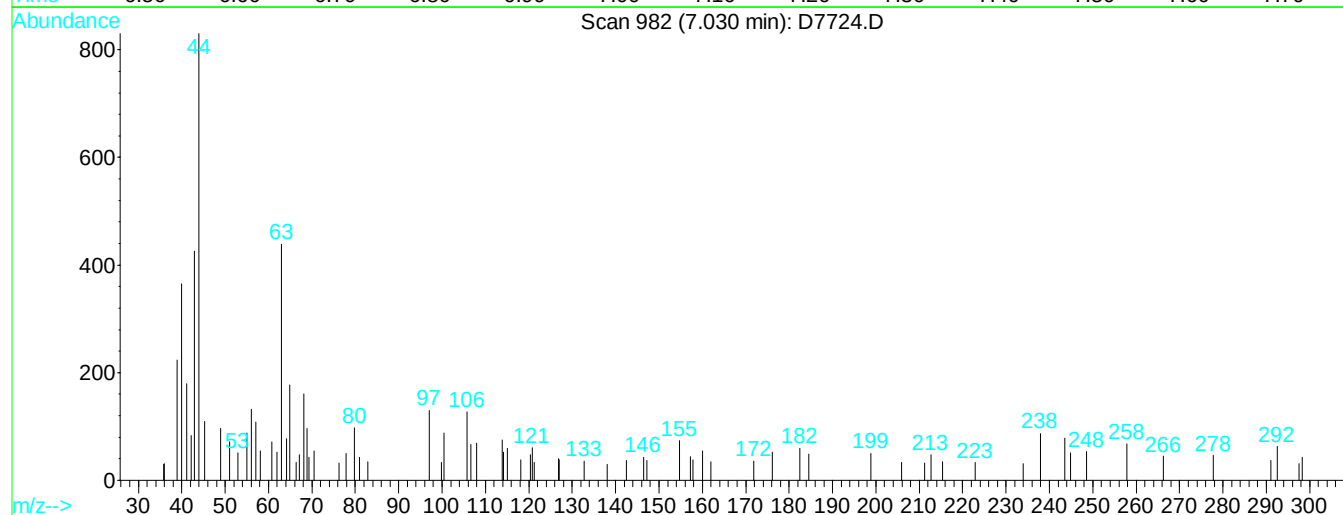
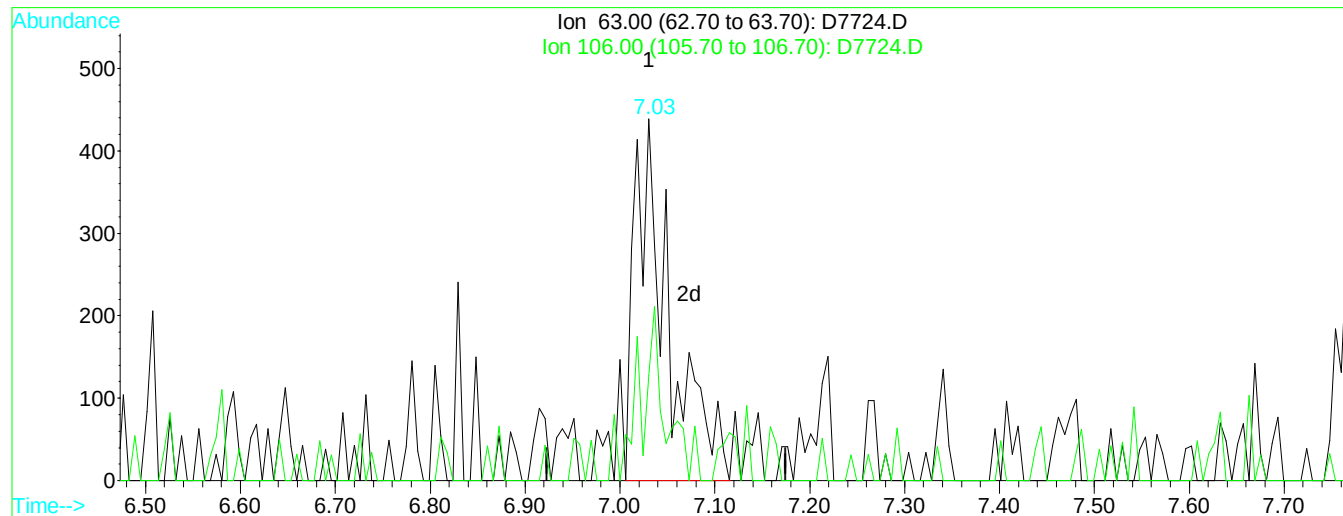
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(60) 2-Chloroethylvinyl Ether

Manual Integration:

7.03min 1.00ug/L m

After

response 1103

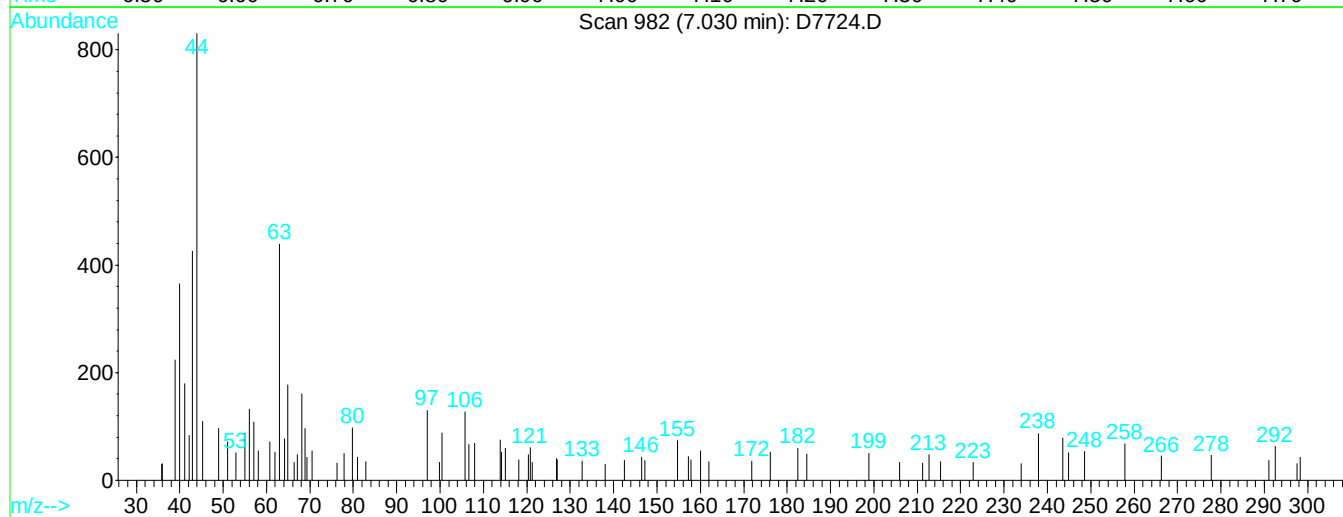
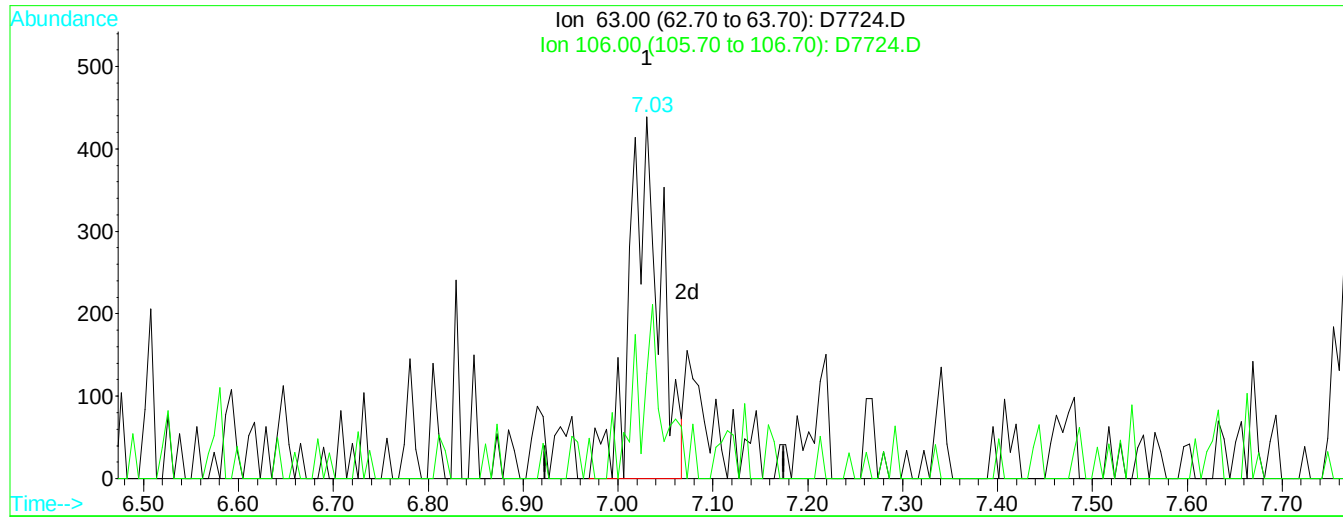
Split Peak.

Ion	Exp%	Act%
63.00	100	100
106.00	32.50	28.93
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:54 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(60) 2-Chloroethylvinyl Ether

Manual Integration:

7.03min 0.90ug/L

Before

response 990

Ion	Exp%	Act%

08/25/17

63.00	100	100

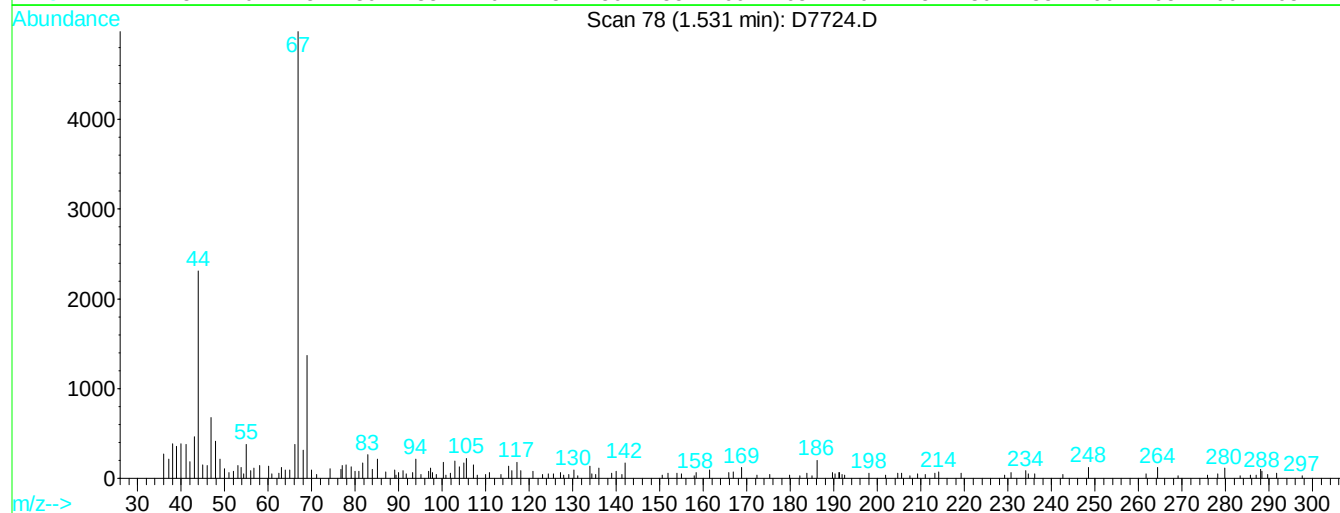
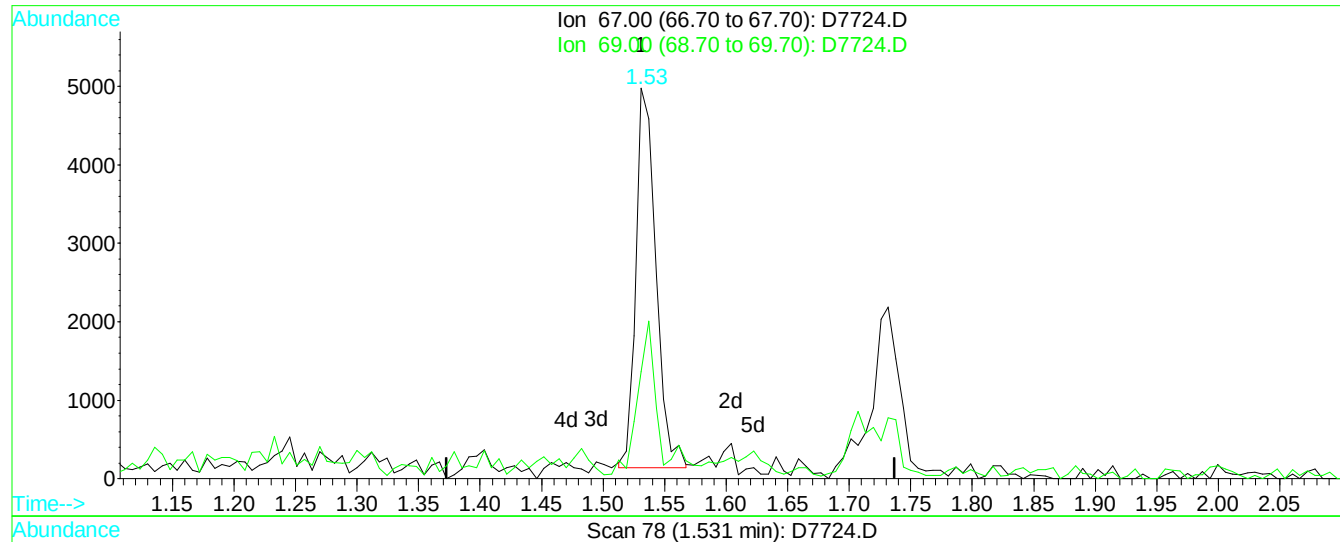
106.00	32.50	44.19

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:42 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(7) Freon 21

1.53min 1.13ug/L m

response 5490

Ion	Exp%	Act%

67.00	100	100

69.00	36.90	27.44

0.00	0.00	0.00

0.00	0.00	0.00

Manual Integration:

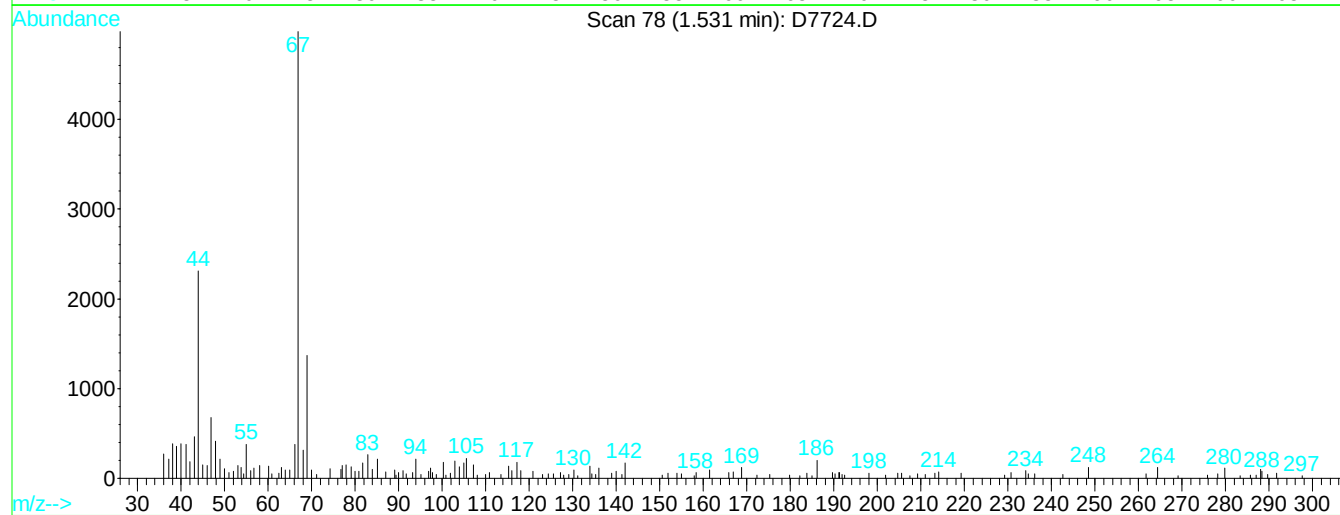
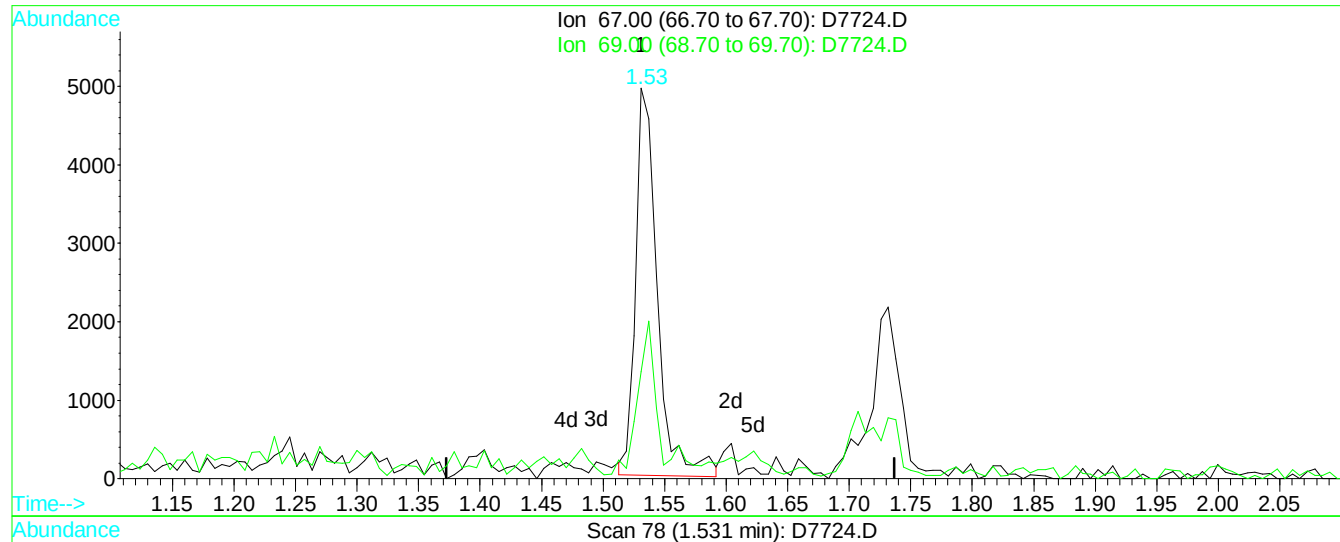
After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:41 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(7) Freon 21

Manual Integration:

1.53min 1.25ug/L

Before

response 6067

Ion	Exp%	Act%
67.00	100	100
69.00	36.90	27.44
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:57 2017

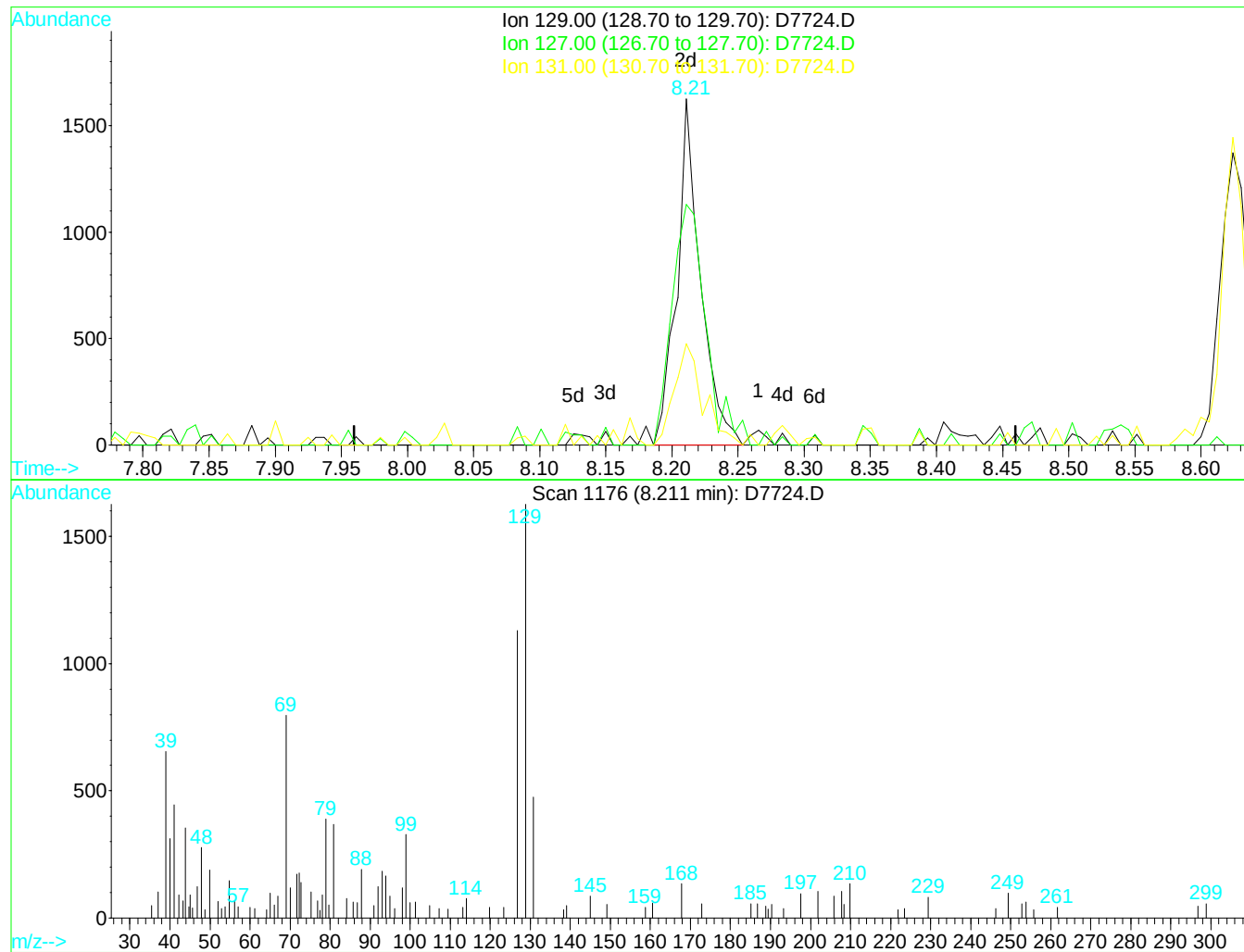
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(70) Dibromochloromethane (P)

Manual Integration:

8.21min 0.90ug/L m

After

response 2017

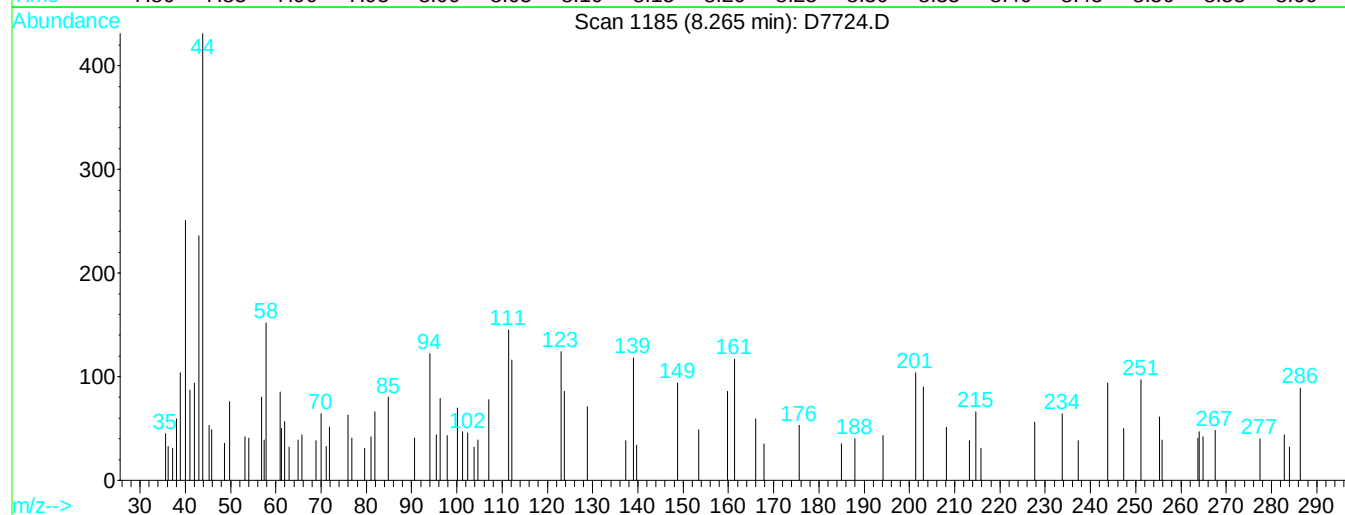
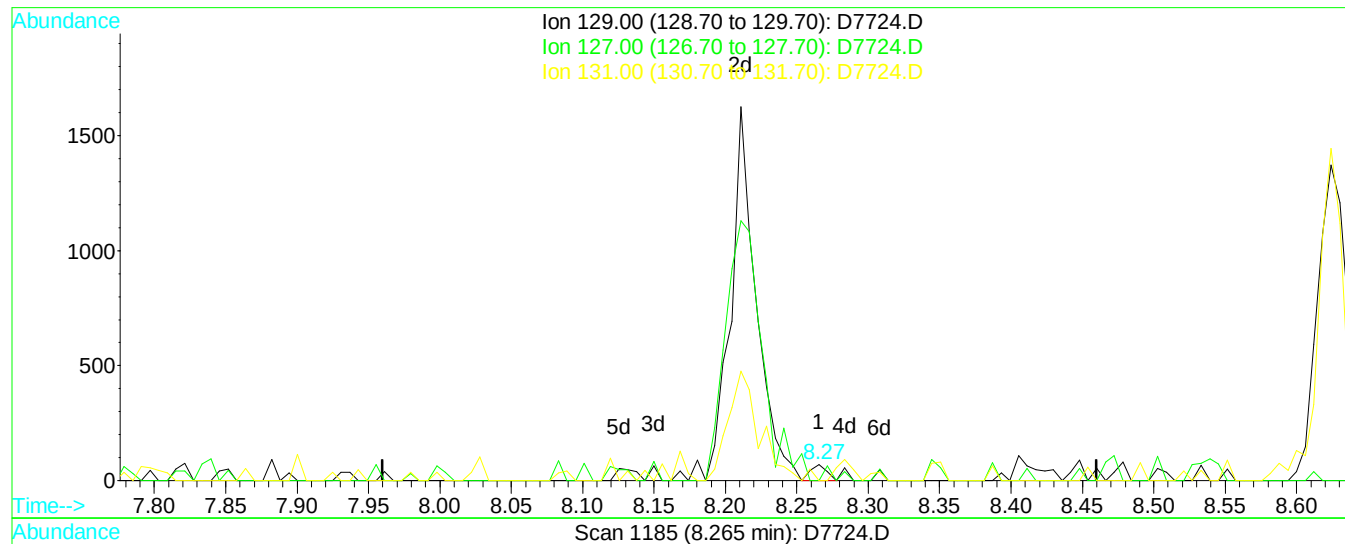
Peak not found.

Ion	Exp%	Act%
129.00	100	100
127.00	77.10	1.88#
131.00	25.10	0.89#
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:55 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(70) Dibromochloromethane (P)

Manual Integration:

8.27min 0.03ug/L

Before

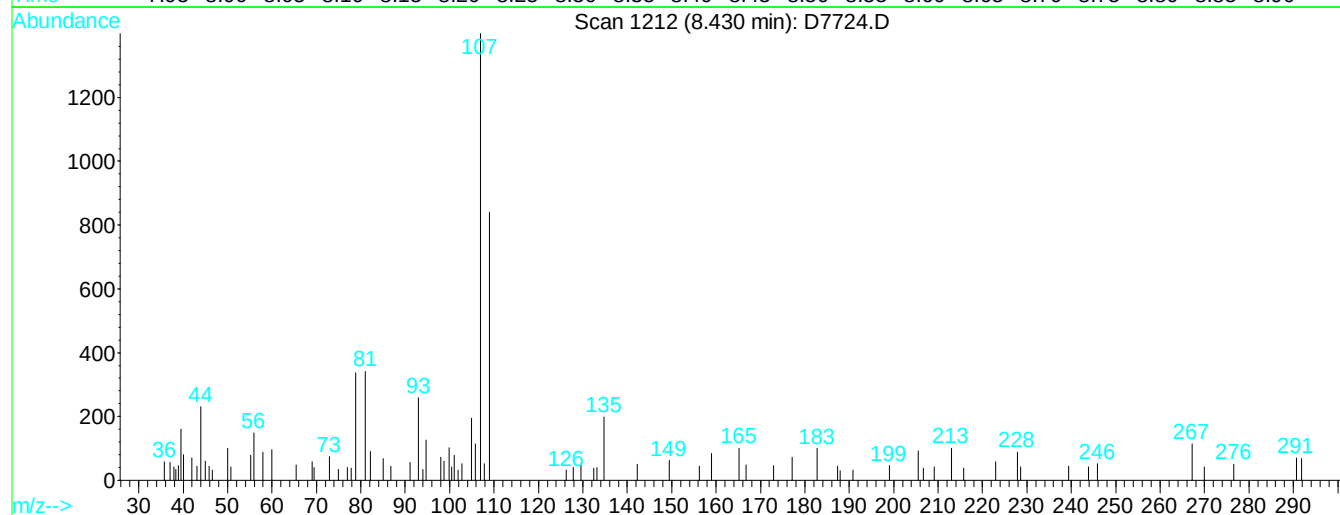
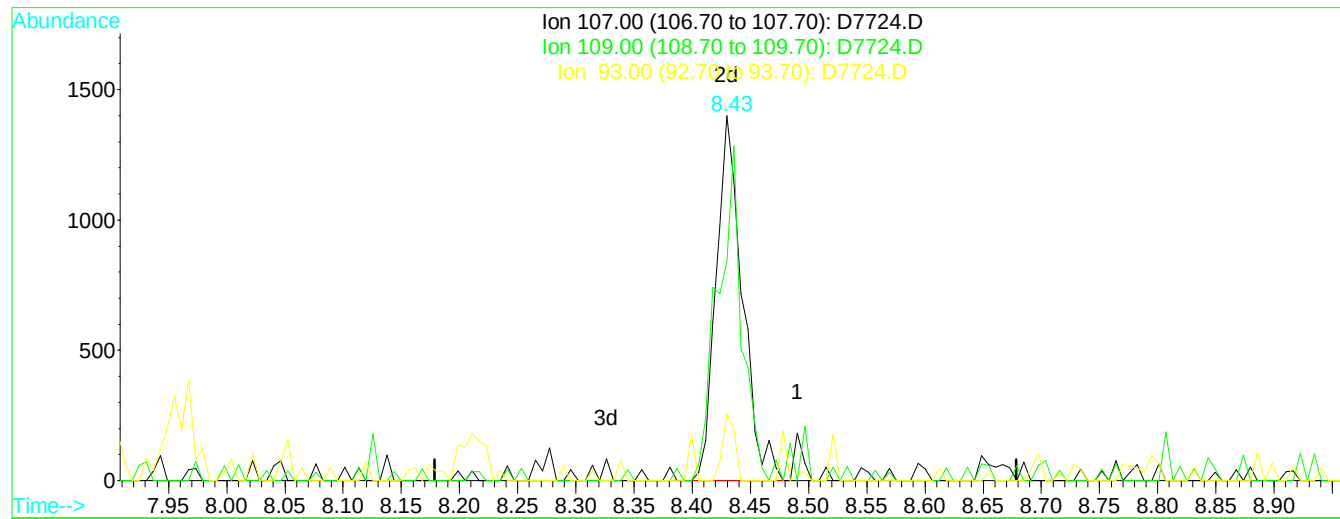
response 57

Ion	Exp%	Act%
129.00	100	100
127.00	77.10	66.67
131.00	25.10	31.58
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:58 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(72) 1,2-Dibromoethane (P)

Manual Integration:

8.43min 1.13ug/L m

After

response 2214

Peak not found.

Ion	Exp%	Act%

08/25/17

107.00	100	100

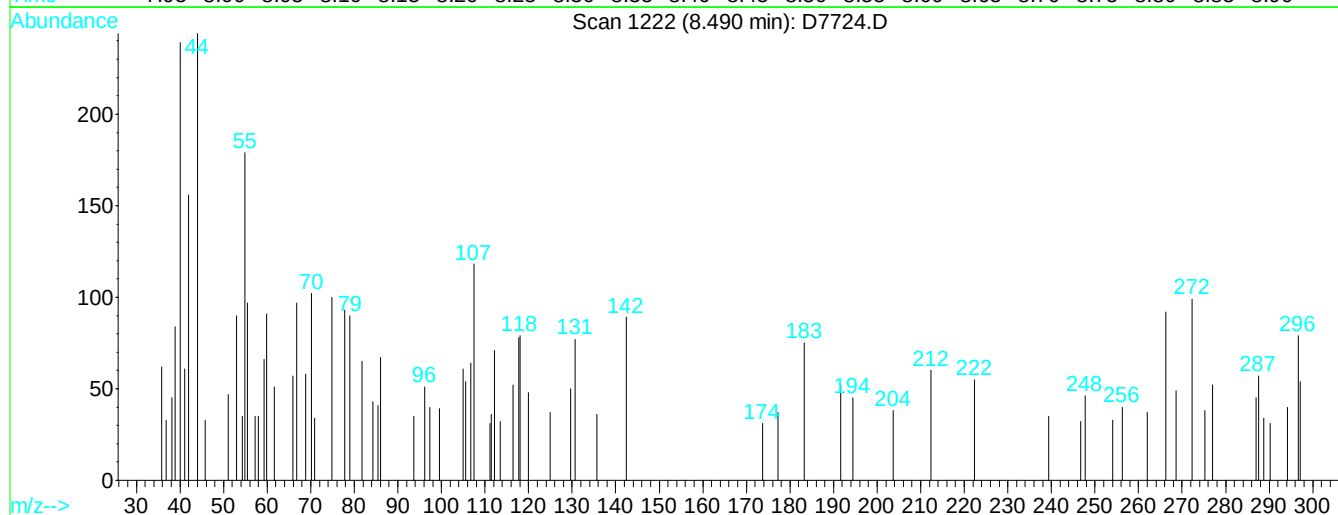
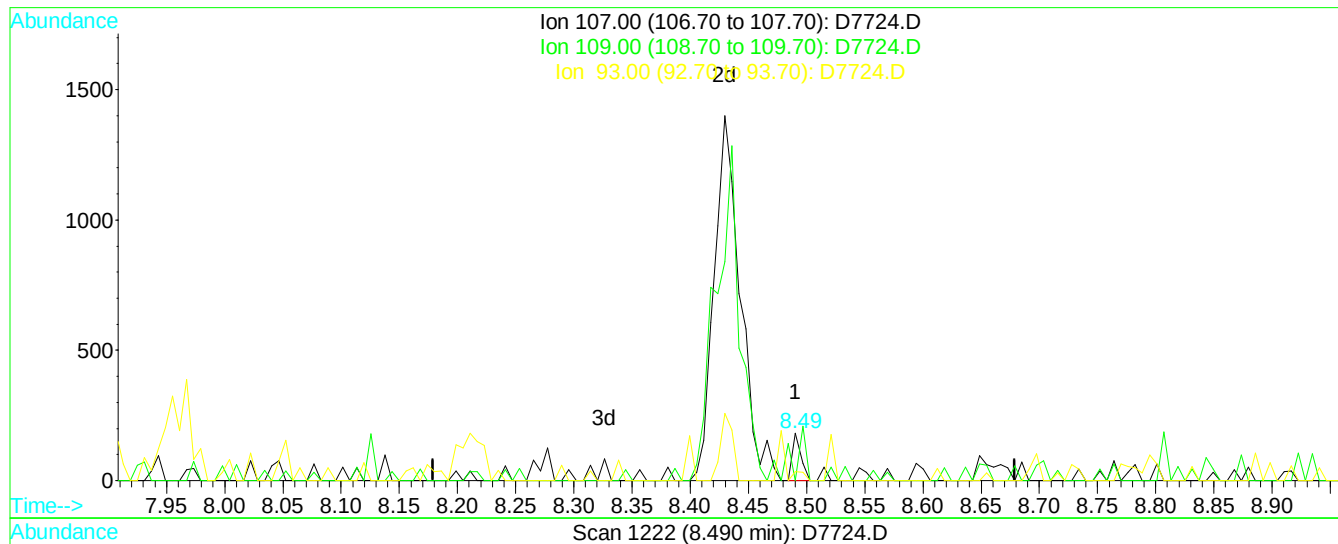
109.00	96.90	3.48#

93.00	7.60	1.08

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:57 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(72) 1,2-Dibromoethane (P)

Manual Integration:

8.49min 0.05ug/L

Before

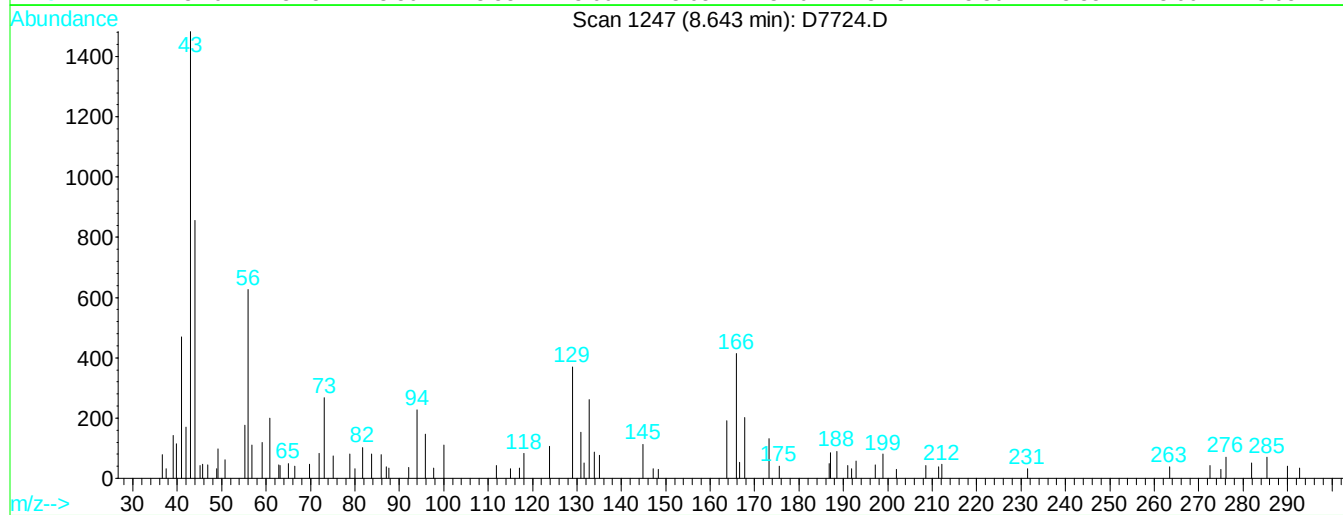
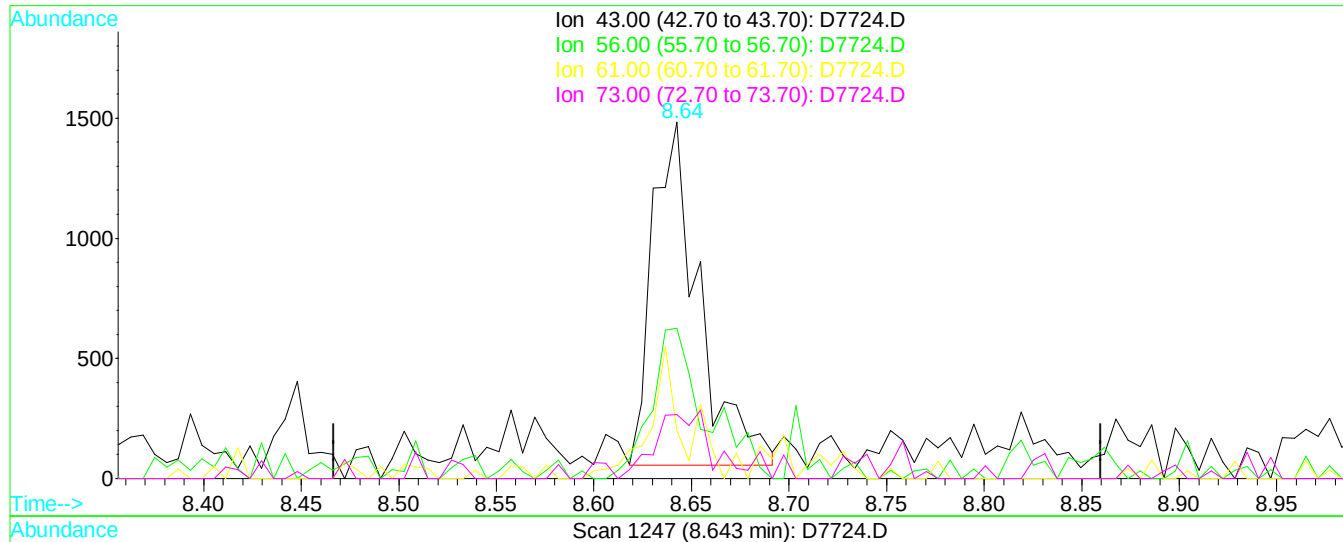
response 91

Ion	Exp%	Act%
107.00	100	100
109.00	96.90	84.62
93.00	7.60	26.37
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 9:58 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(73) n-Butyl Acetate

Manual Integration:

8.64min 0.95ug/L m

After

response 2386

Split Peak.

Ion	Exp%	Act%
43.00	100	100
56.00	38.90	51.47
61.00	21.20	0.00#
73.00	15.20	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:58 2017

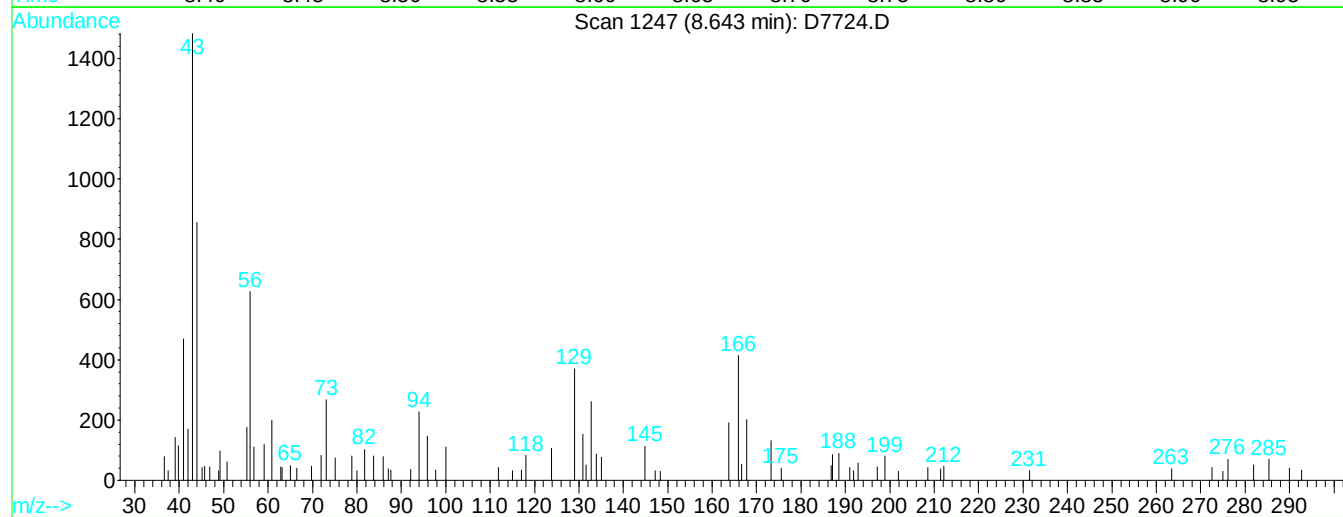
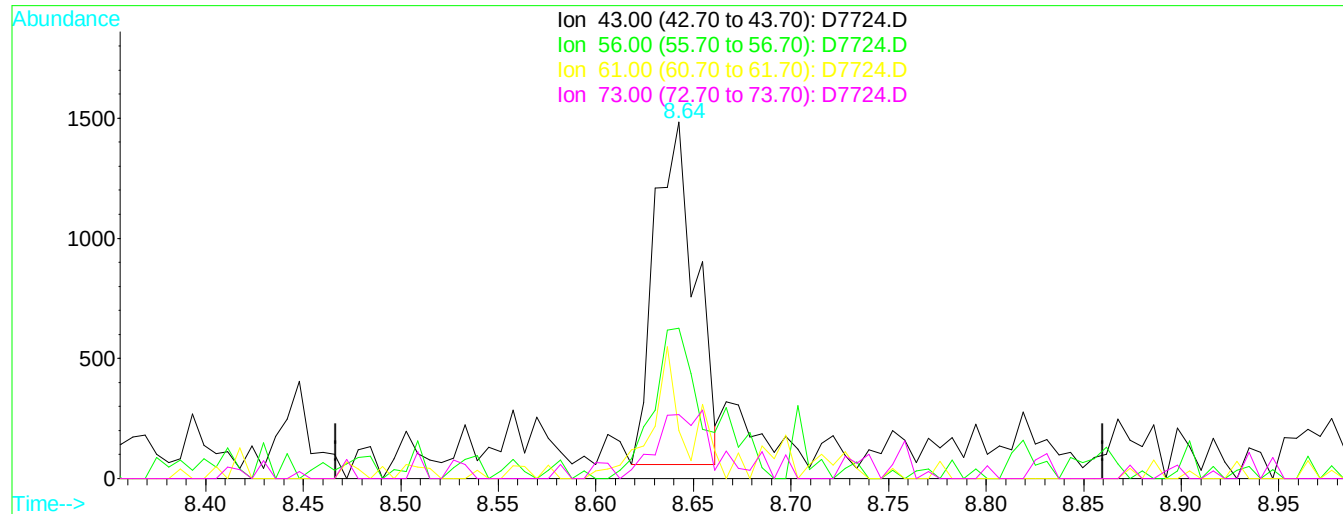
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(73) n-Butyl Acetate

Manual Integration:

8.64min 0.83ug/L

Before

response 2077

Ion	Exp%	Act%

08/25/17

43.00	100	100

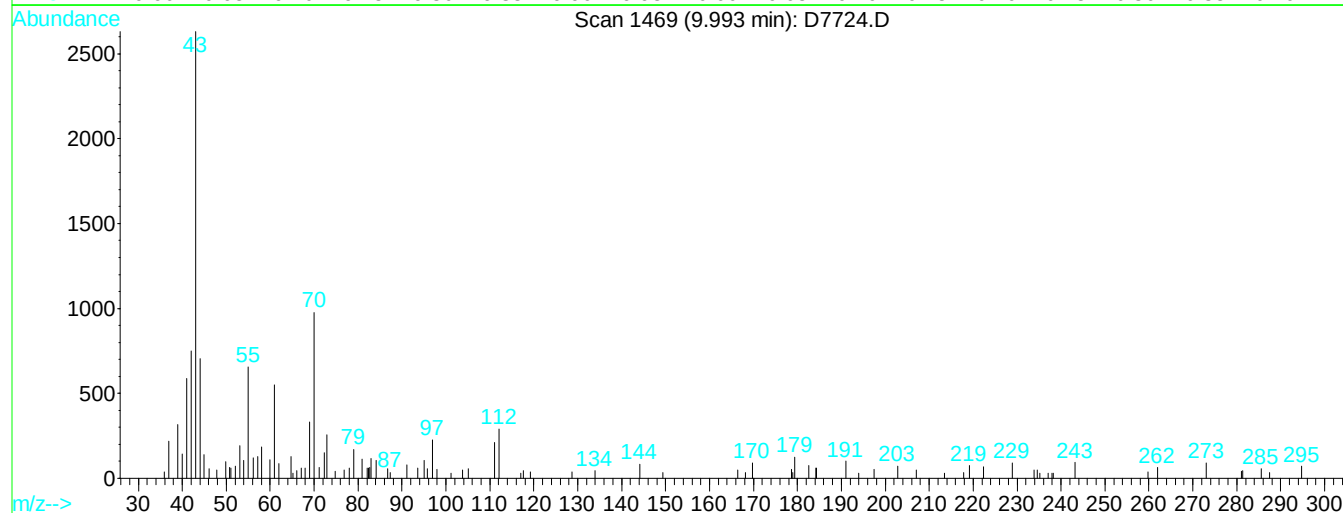
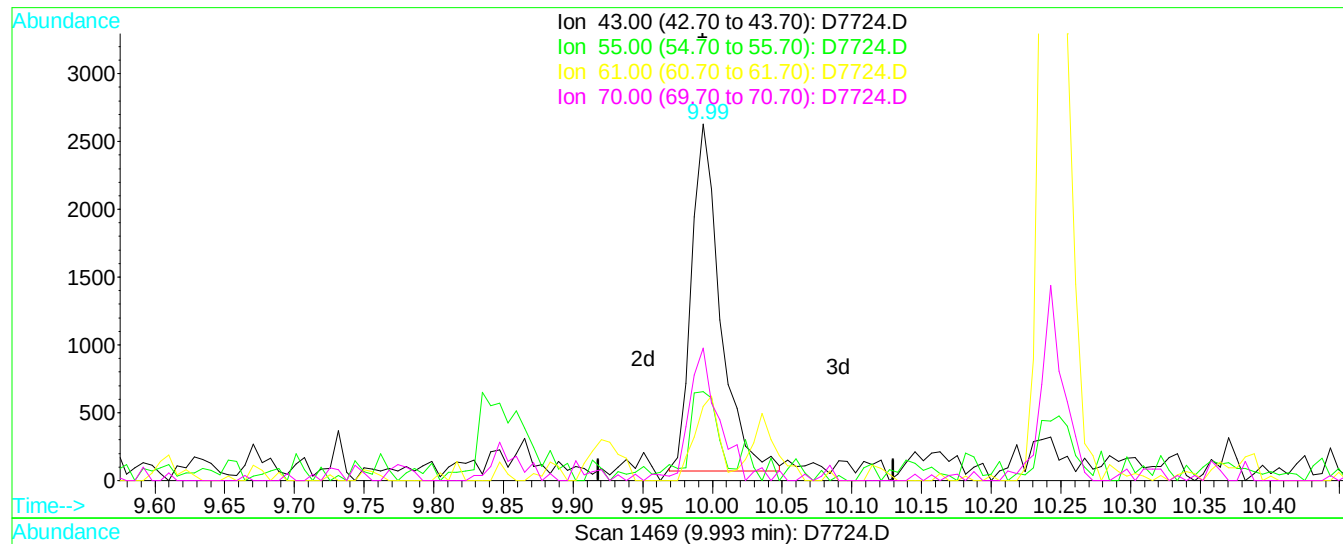
56.00	38.90	59.12#

61.00	21.20	0.00#

73.00	15.20	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:00 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(83) Amyl Acetate

Manual Integration:

9.99min 1.04ug/L m

After

response 3645

Poor integration.

Ion	Exp%	Act%
43.00	100	100
55.00	24.30	24.98
61.00	25.60	20.87
70.00	37.00	37.15

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 9:58 2017

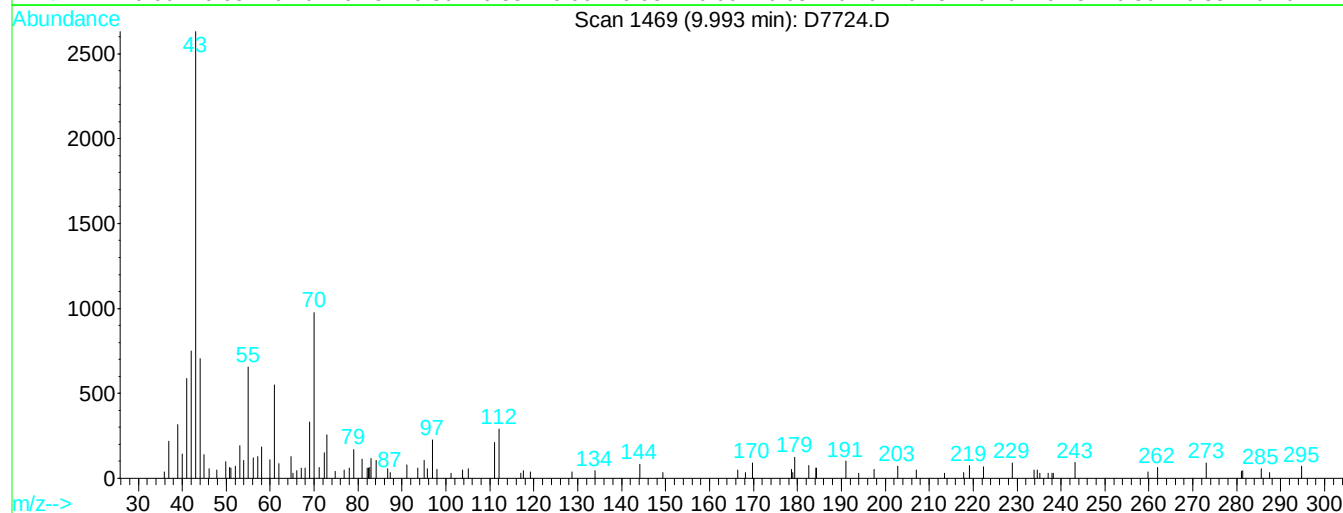
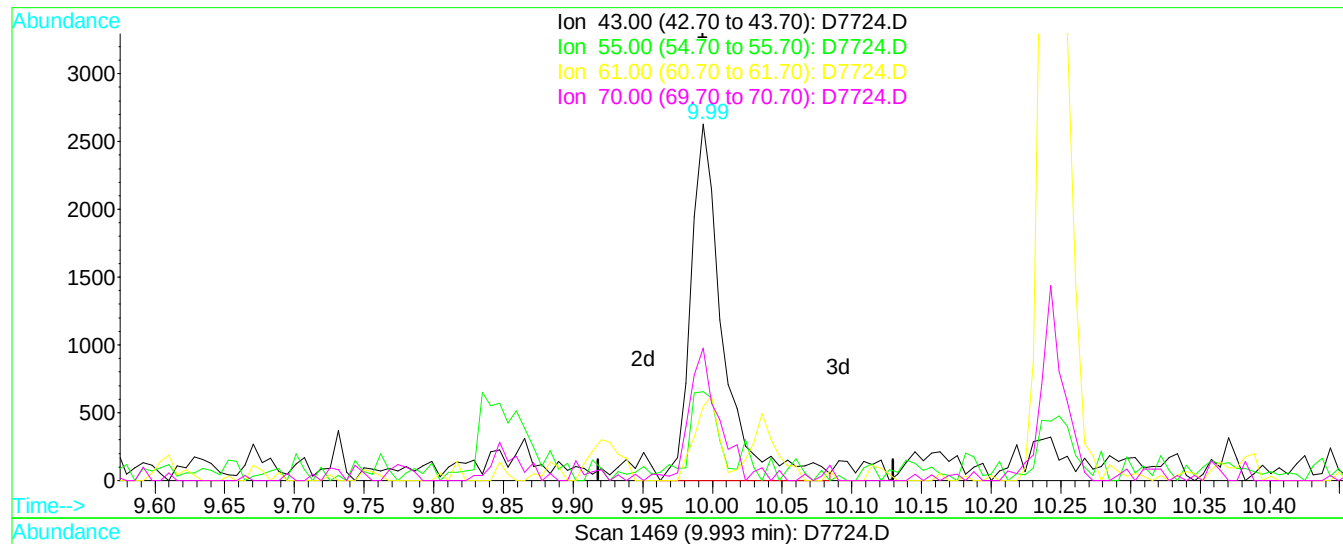
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Multiple Level Calibration



TIC: D7724.D

(83) Amyl Acetate

Manual Integration:

9.99min 1.22ug/L

Before

response 4254

Ion	Exp%	Act%

08/25/17

43.00	100	100

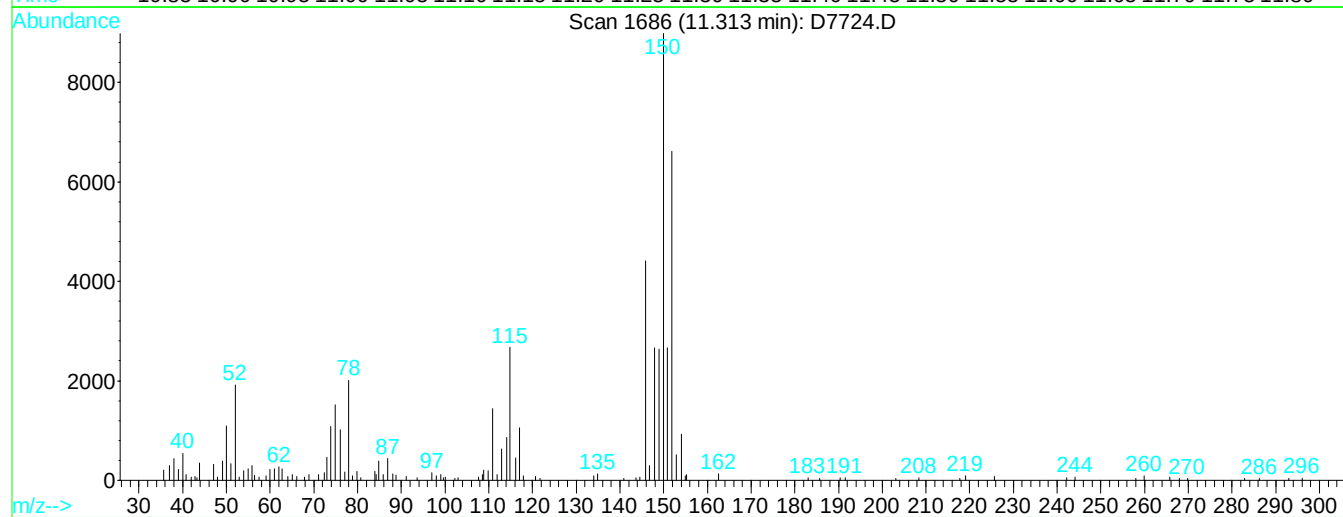
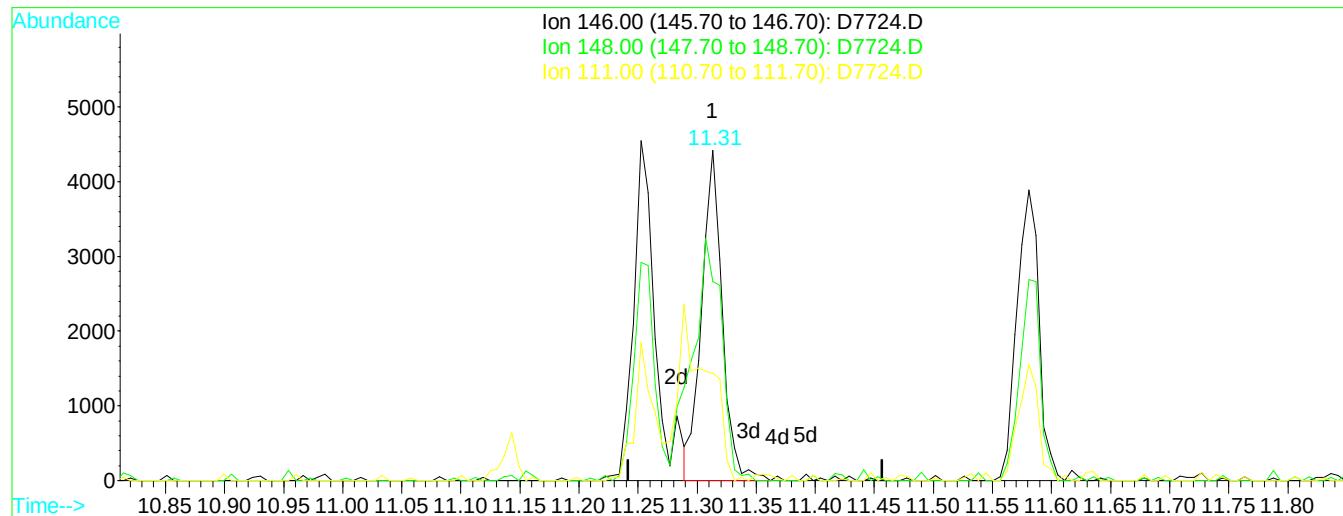
55.00	24.30	24.98

61.00	25.60	20.87

70.00	37.00	37.15

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:01 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(99) 1,4-Diclbz (P)

11.31min 1.17ug/L m

response 5404

Ion	Exp%	Act%

146.00	100	100

148.00	66.20	101.26#

111.00	37.30	0.35#

0.00	0.00	0.00

Manual Integration:

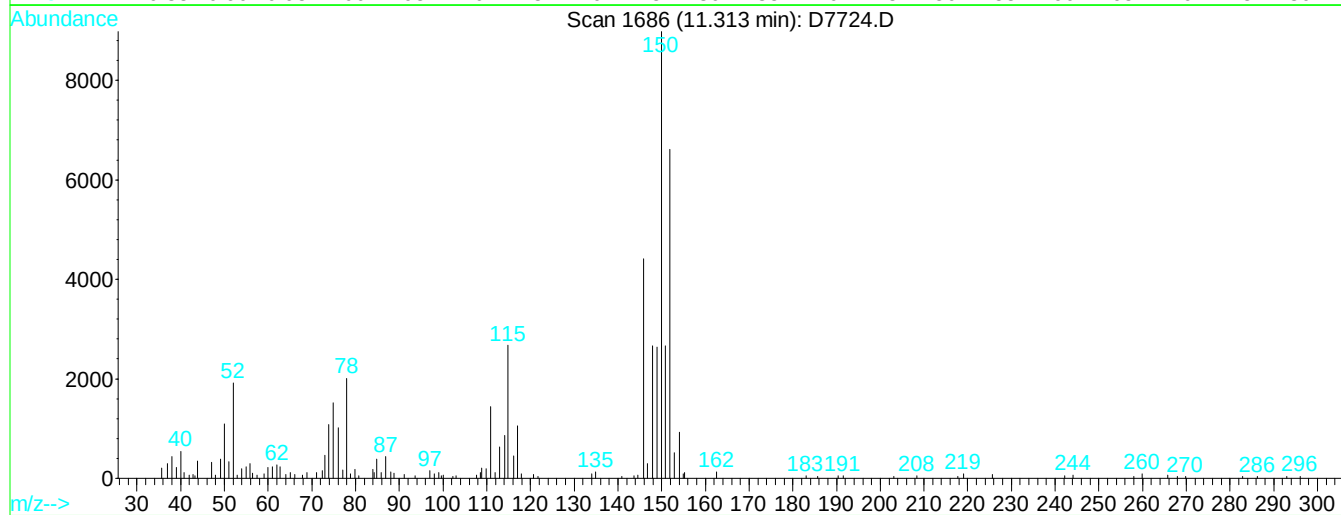
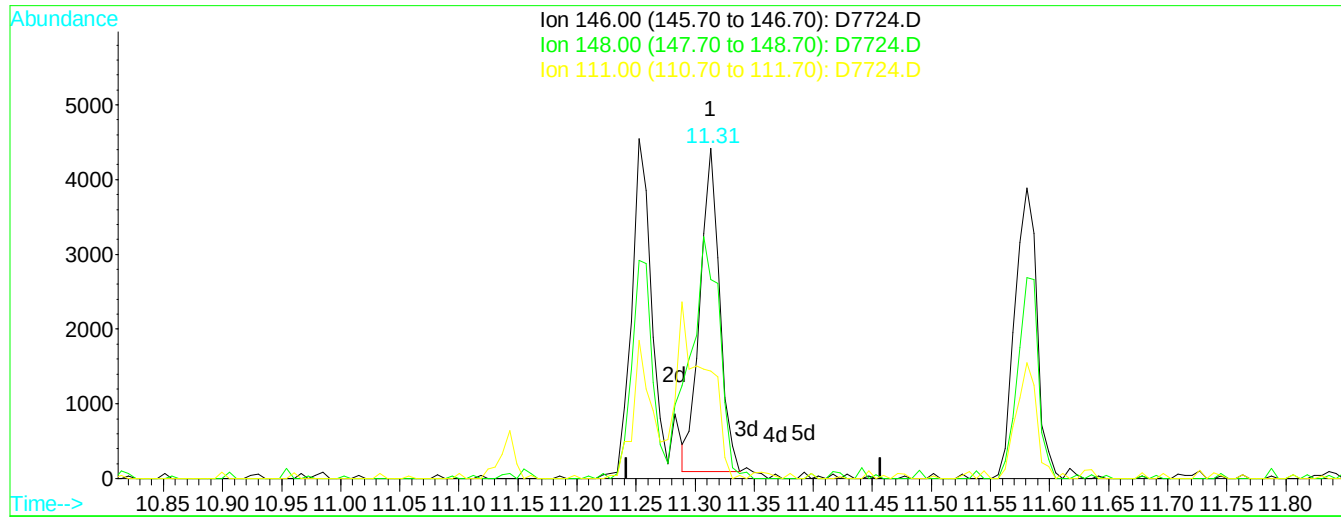
After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:00 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Multiple Level Calibration



TIC: D7724.D

(99) 1,4-Diclbz (P)

Manual Integration:

11.31min 1.09ug/L

Before

response 5022

Ion	Exp%	Act%

08/25/17

146.00	100	100

148.00	66.20	108.96#

111.00	37.30	0.38#

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:02 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	266445	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	350261	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	162128	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	182925	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	127590	50.79	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.58%
43) surr1,1,2-dichloroethane-d	4.47	65	139185	51.15	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	102.30%
65) SURR3,Toluene-d8	7.89	98	384477	54.21	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	108.42%
86) SURR2,BFB	10.25	95	153450	50.53	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	101.06%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	4404	1.11	ug/L	92
3) Chloromethane	1.19	50	2768	1.05	ug/L	88
4) Vinyl Chloride	1.27	62	3095m	0.95	ug/L	
5) Bromomethane	1.44	94	2320	1.18	ug/L	91
6) Chloroethane	1.51	64	1514m	0.94	ug/L	
7) Freon 21	1.53	67	5490m	1.13	ug/L	
8) Freon 123	1.71	83	3417	1.14	ug/L	95
9) Freon 123a	1.73	67	2881	1.18	ug/L	99
10) Acrolein	1.79	56	906m	4.29	ug/L	
11) Trichlorofluoromethane	1.79	101	3764	1.04	ug/L	80
12) Acetonitrile	1.80	41	825	5.68	ug/L	97
13) 2-Propanol	1.85	45	2460m	24.67	ug/L	
15) Diethyl Ether	1.94	59	1552	1.22	ug/L	# 77
16) 1,1-Dicethene	2.10	96	2029	1.11	ug/L	# 81
17) Iodomethane	2.11	142	3484m	1.17	ug/L	
18) TBA	2.13	59	3385	19.65	ug/L	91
19) Acrylonitrile	2.15	53	2966m	5.36	ug/L	
20) Methylene Chloride	2.19	84	2491	1.28	ug/L	89
21) Freon 113	2.24	101	2527	1.20	ug/L	90
22) Methyl Acetate	2.26	43	1379	0.84	ug/L	79
23) Allyl Chloride	2.26	76	730	0.97	ug/L	# 69
24) Carbon Disulfide	2.31	76	6578	1.17	ug/L	92
25) trans-1,2-Dichloroethene	2.69	96	2312	1.18	ug/L	97
26) Methyl-t-Butyl Ether	2.81	73	5190	1.03	ug/L	82
27) 1,1-Dicethane	2.89	63	3093	1.04	ug/L	84
28) Propionitrile	2.95	54	629m	3.16	ug/L	
29) Vinyl Acetate	3.11	43	4155	1.17	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.26	53	2790	1.06	ug/L	88
32) Methacrylonitrile	3.48	67	637m	0.98	ug/L	
33) cis-1,2-Dichloroethene	3.47	96	2319	1.11	ug/L	# 71
34) Bromochloromethane	3.65	128	1284	1.08	ug/L	# 75
35) Chloroform	3.71	83	3807	1.07	ug/L	92
36) 2,2-Dichloropropane	3.79	77	3620m	1.12	ug/L	
37) Ethyl Acetate	3.84	43	2216m	1.56	ug/L	
39) 1,1,1-Trichloroethane	4.72	97	3822	1.11	ug/L	90
44) 1,2-Dichloroethane	4.60	64	1233m	1.28	ug/L	
45) 2-Methyl-1,3-Dioxolane	4.85	73	1097m	4.72	ug/L	
46) 1,1-Dichloropropene	5.07	75	2486	0.98	ug/L	87
47) Cyclohexane	5.16	56	2940m	1.13	ug/L	

(#)=qualifier out of range (m)=manual integration

D7724.D W082417.M Fri Aug 25 10:02:23 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D

Vial: 7

Acq On : 24 Aug 2017 10:25 am

Operator: D.Lipani

Sample : STD #2 - 1.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:02 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 09:33:36 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48) Carbontetrachloride	5.31	119	2822m	1.00	ug/L	
49) Benzene	5.39	78	7408	1.08	ug/L	87
50) Isopropyl Acetate	5.42	43	3433	1.03	ug/L	83
51) Dibromomethane	6.18	93	1789	1.23	ug/L #	84
52) 1,2-Dicloropropane	6.25	63	1919m	1.10	ug/L	
53) n-Heptane	6.34	43	2174m	1.14	ug/L	
54) Trichloroethene	6.32	130	2126	0.94	ug/L	92
55) Bromodichloromethane	6.37	83	2784	1.03	ug/L	93
57) Epichlorohydrin	6.76	57	635m	4.55	ug/L	
58) Methyl Methacrylate	6.76	69	1386	1.17	ug/L #	88
59) Methylcyclohexane	6.90	55	2045m	0.95	ug/L	
60) 2-Chloroethylvinyl Ether	7.03	63	1103m	1.00	ug/L	
61) cis-1,3-Dichloropropene	7.18	75	3234	1.06	ug/L	97
62) 4-Methyl-2-pentanone	7.38	43	1815	1.15	ug/L #	45
63) trans-1,3-Dichloropropene	7.67	75	3073	1.08	ug/L #	54
64) 1,1,2-Trichloroethane	7.77	97	1833	1.06	ug/L	97
66) Toluene	7.96	91	7671	0.98	ug/L	95
68) 1,3-Dichloropropene	8.02	76	2879	1.06	ug/L	98
69) Ethyl Methacrylate	8.20	69	2478	1.13	ug/L #	69
70) Dibromochloromethane	8.21	129	2017m	0.90	ug/L	
71) 2-Hexanone	8.28	43	1015	0.94	ug/L	89
72) 1,2-Dibromoethane	8.43	107	2214m	1.13	ug/L	
73) n-Butyl Acetate	8.64	43	2386m	0.95	ug/L	
74) Tetrachloroethene	8.62	164	1837	0.95	ug/L #	83
75) 1,1,1,2-Tetrachloroethane	9.17	131	1939	0.96	ug/L #	85
76) Chlorobenzene	9.22	112	5906	1.12	ug/L	86
77) Ethylbenzene	9.43	106	3049	1.13	ug/L	93
78) Bromoform	9.62	173	1338	0.89	ug/L	87
79) (m+p)Xylene	9.62	106	7853	2.32	ug/L	97
80) o-Xylene	9.93	106	3359	1.03	ug/L	88
81) Cyclohexanone	9.83	55	1446	23.21	ug/L #	79
82) Styrene	9.88	104	5140	0.99	ug/L	92
83) Amyl Acetate	9.99	43	3645m	1.04	ug/L	
84) trans-1,4-Dichloro-2-Buten	10.11	75	865	1.15	ug/L #	65
85) Isopropylbenzene	10.25	105	9563	1.15	ug/L	91
88) 1,1,2,2-Tetrachloroethane	9.92	83	2034	0.93	ug/L	85
89) 1,2,3-Trichloropropane	10.04	75	1767	1.07	ug/L	98
90) Bromobenzene	10.38	156	3027	1.12	ug/L	98
91) n-Propylbenzene	10.61	91	10759	1.11	ug/L	91
92) 2-Chlorotoluene	10.64	91	6390	1.13	ug/L	91
93) 4-Chlorotoluene	10.72	91	6171	1.02	ug/L	99
94) 1,3,5-Trimethylbenzene	10.87	105	6820	1.01	ug/L	96
95) tert-Butylbenzene	11.06	119	6339	1.08	ug/L	98
96) 1,2,4-Trimethylbenzene	11.17	105	7789	1.08	ug/L	95
97) sec-Butylbenzene	11.24	105	8689	1.04	ug/L	91
98) 1,3-Dclbenz	11.25	146	5098	1.11	ug/L	96
99) 1,4-Dclbenz	11.31	146	5404m	1.17	ug/L	
100) p-Isopropyltoluene	11.40	119	8167	1.19	ug/L	97
101) 1,2-Dclbenz	11.58	146	5071	1.10	ug/L	98
102) n-Butylbenzene	11.73	91	6917	1.09	ug/L	88
103) 1,2-Dibromo-3-chloropropan	11.95	75	414	1.03	ug/L	85
105) 1,2,4-Tcbenzene	13.02	180	3505	1.10	ug/L	91
106) Naphthalen	13.19	128	6789	1.13	ug/L	97
107) Hexachlorobt	13.28	225	1820	1.17	ug/L	85

(#)=qualifier out of range (m)=manual integration

D7724.D W082417.M Fri Aug 25 10:02:24 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D Vial: 7
Acq On : 24 Aug 2017 10:25 am Operator: D.Lipani
Sample : STD #2 - 1.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:02 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 09:33:36 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
108) 1,2,3-Tclbenzene	13.35	180	2950	1.08 ug/L	86

Quantitation Report

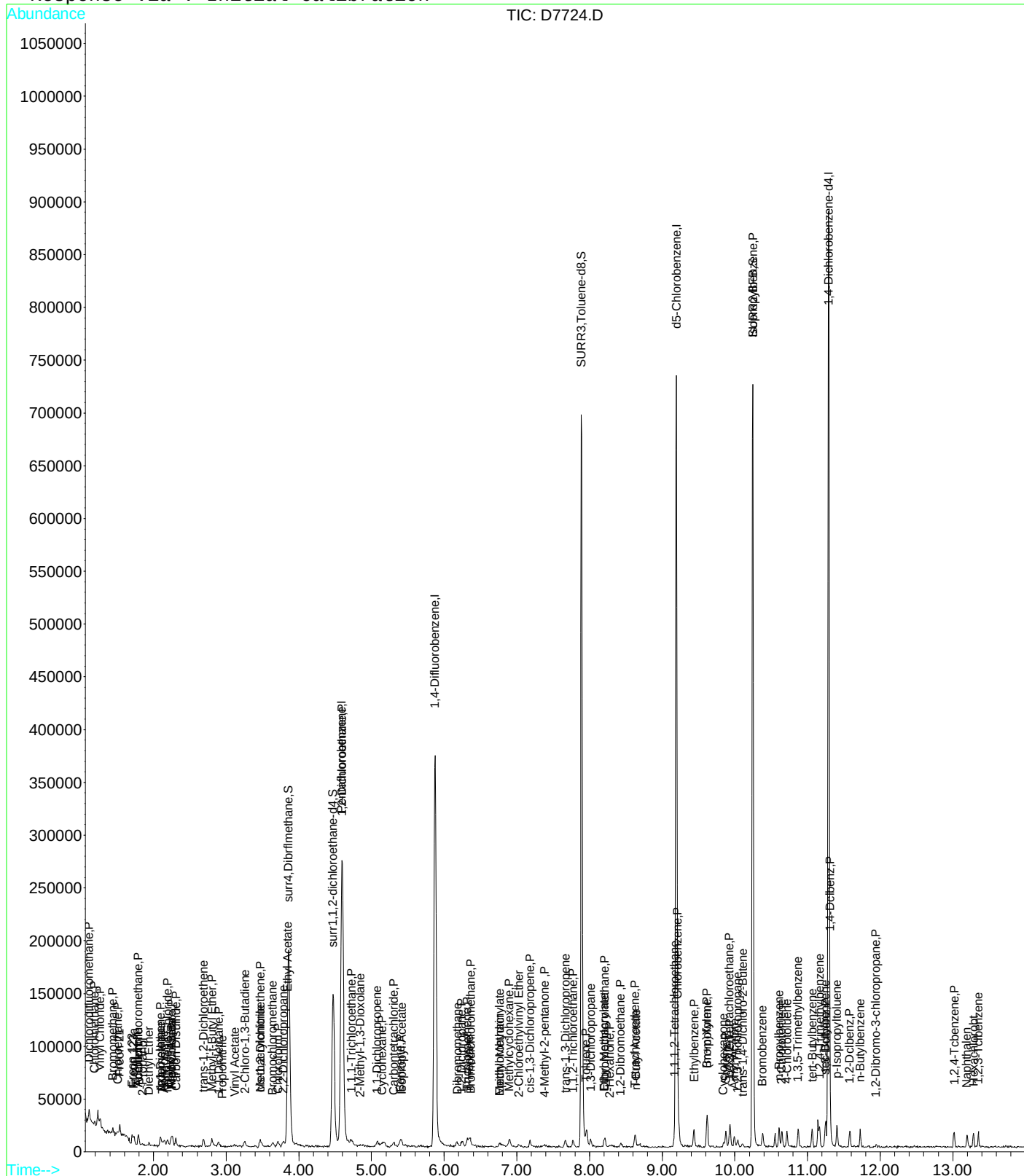
1st DL 08/25/17
2nd FU 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7724.D
Acq On : 24 Aug 2017 10:25 am
Sample : STD #2 - 1.0 PPB
Misc : 8260C / 624 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:02 2017

Vial: 7
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:01:01 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:10 2017

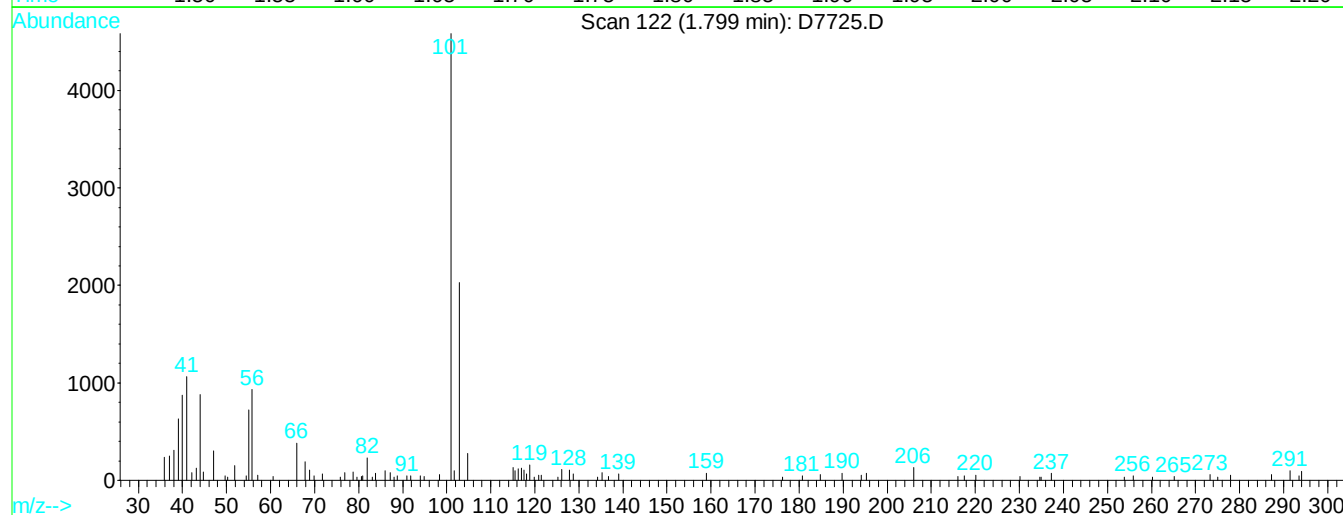
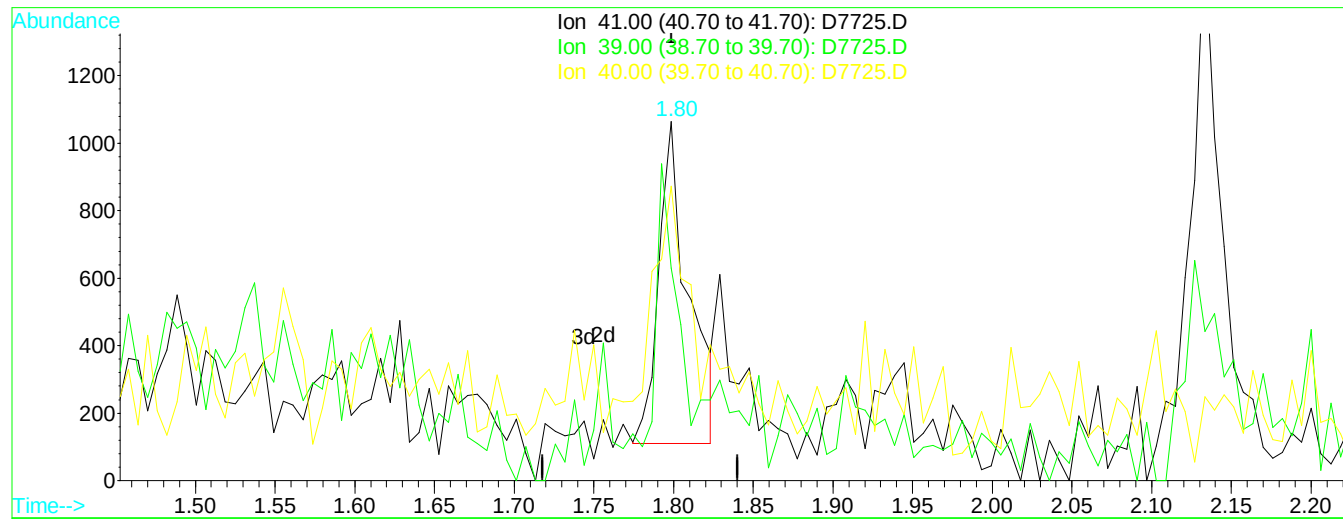
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(12) Acetonitrile

Manual Integration:

1.80min 8.51ug/L m

After

response 1234

Poor integration.

Ion Exp% Act%

08/25/17

41.00 100 100

39.00 30.90 59.06#

40.00 57.00 81.88#

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:08 2017

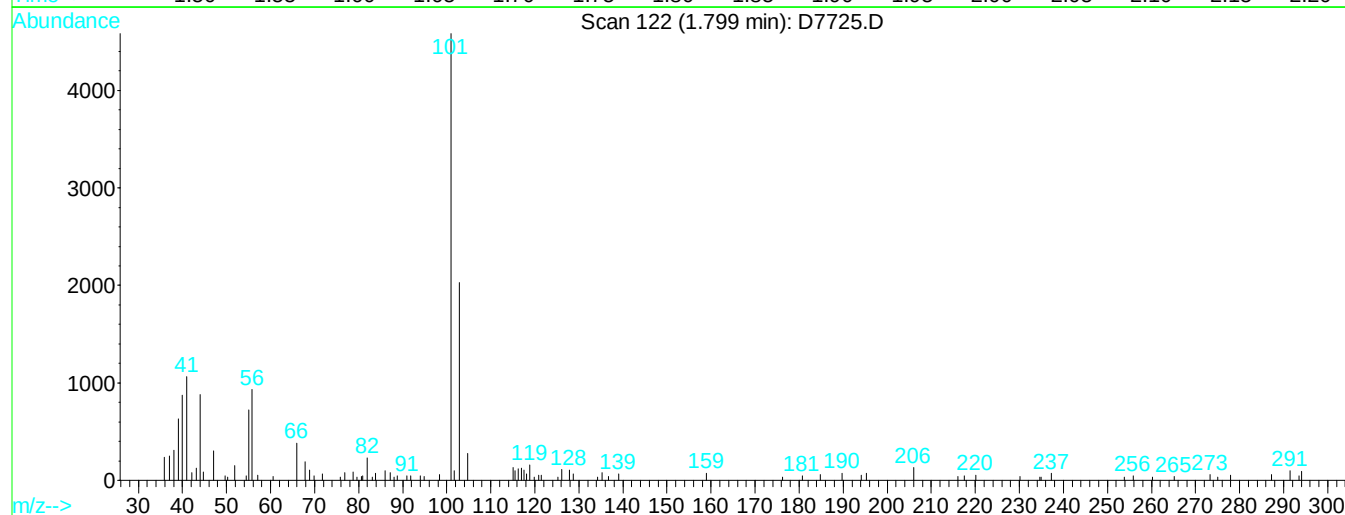
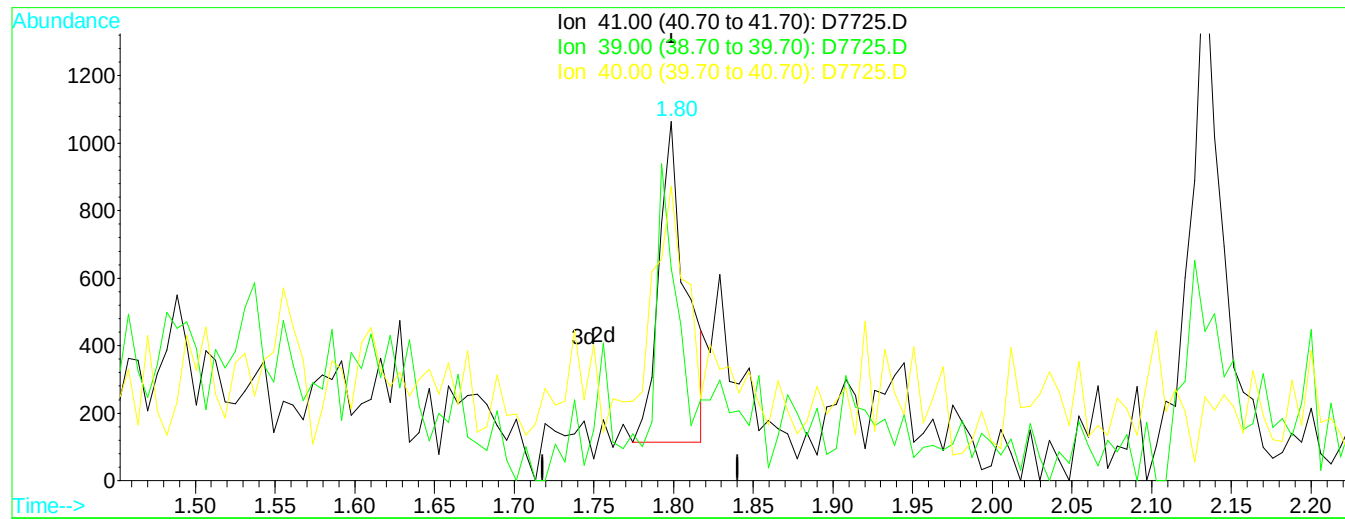
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(12) Acetonitrile

Manual Integration:

1.80min 7.80ug/L

Before

response 1130

Ion	Exp%	Act%

08/25/17

41.00	100	100

39.00	30.90	59.06#

40.00	57.00	81.88#

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:11 2017

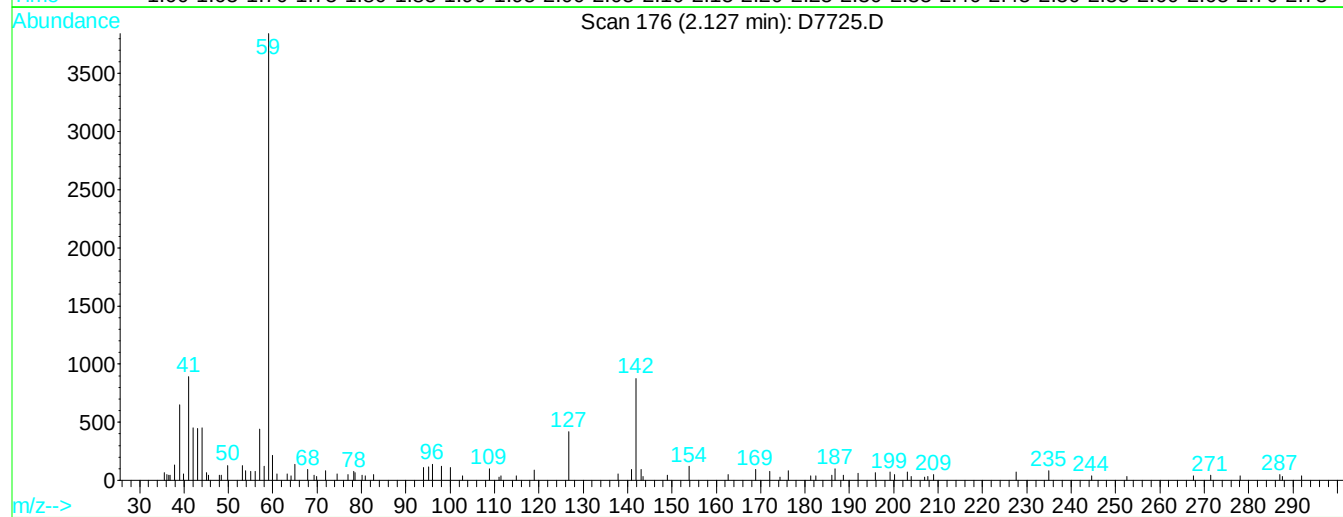
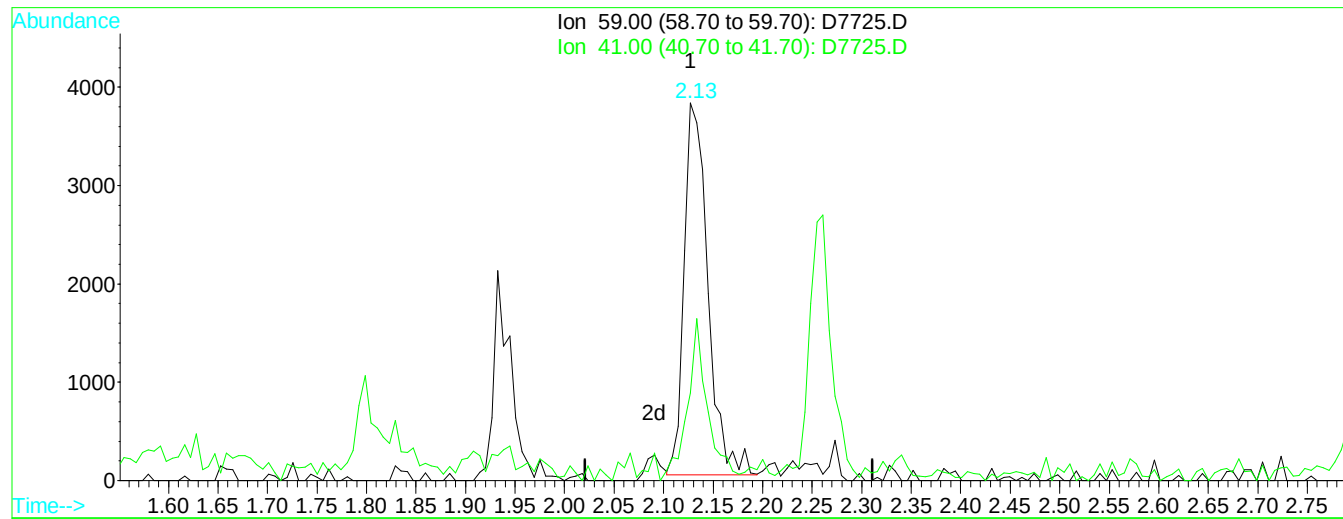
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(18) TBA

Manual Integration:

2.13min 36.81ug/L m

After

response 6326

Poor integration.

Ion	Exp%	Act%

08/25/17

59.00	100	100

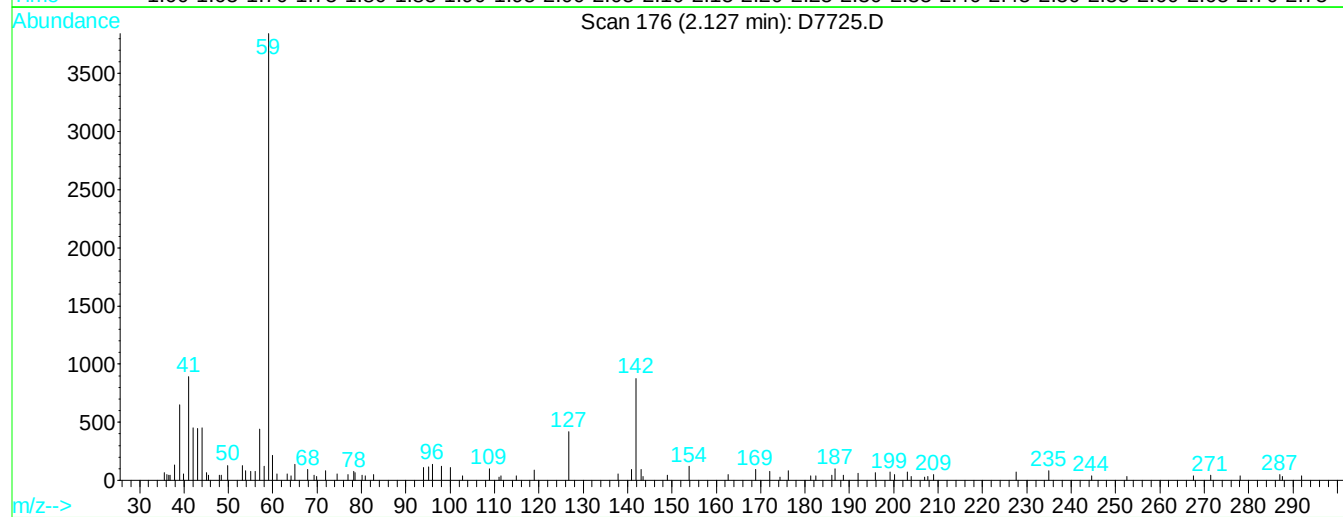
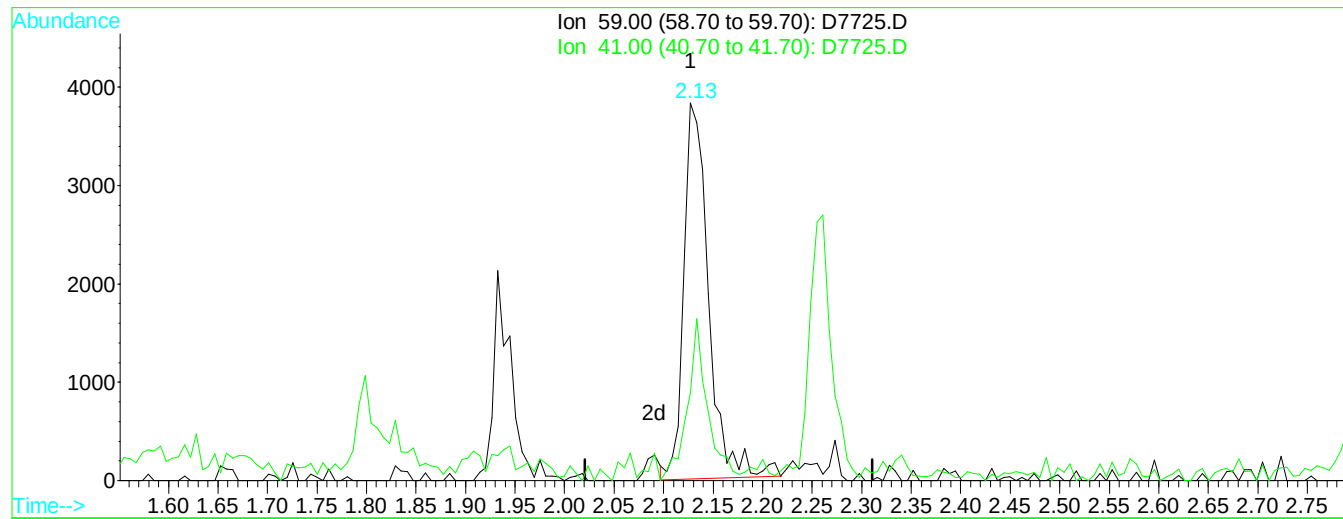
41.00	19.90	23.17

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:10 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(18) TBA

Manual Integration:

2.13min 38.74ug/L

Before

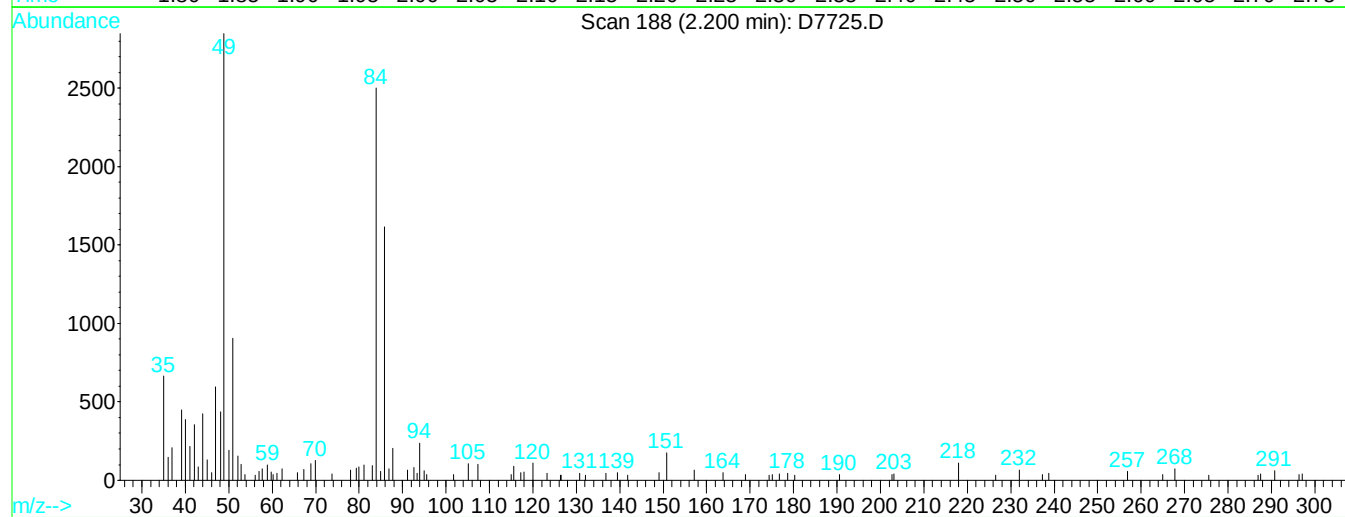
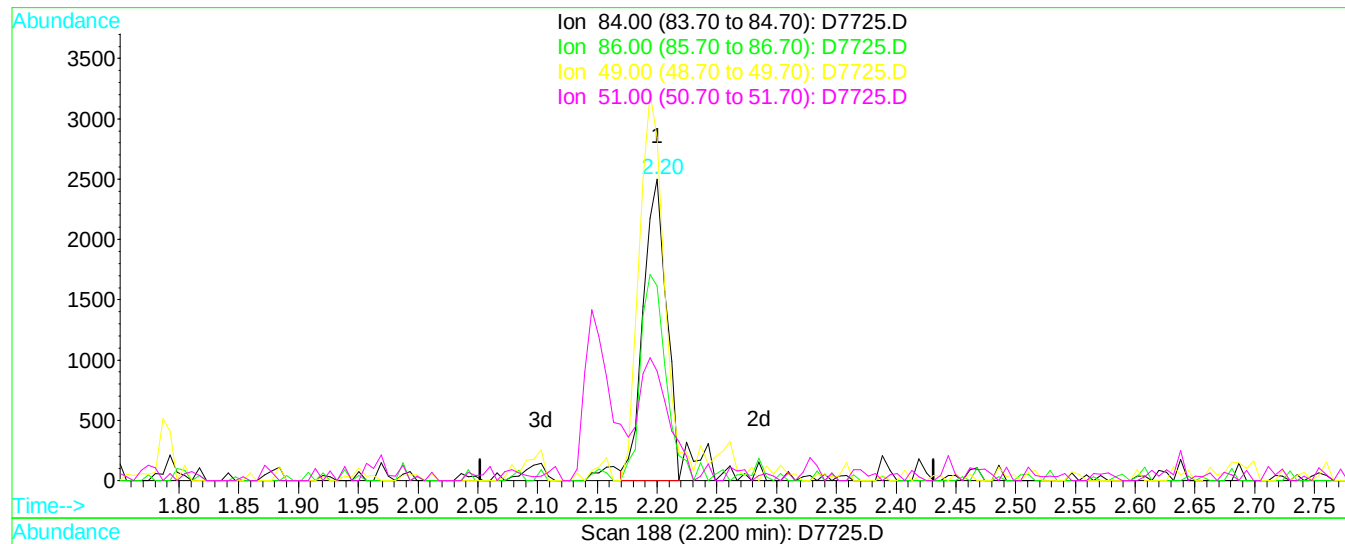
response 6657

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	23.17
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:11 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(20) Methylene Chloride (P)

Manual Integration:

2.20min 1.74ug/L m

After

response 3385

Poor integration.

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	64.60
49.00	119.20	113.88
51.00	41.00	36.28

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:11 2017

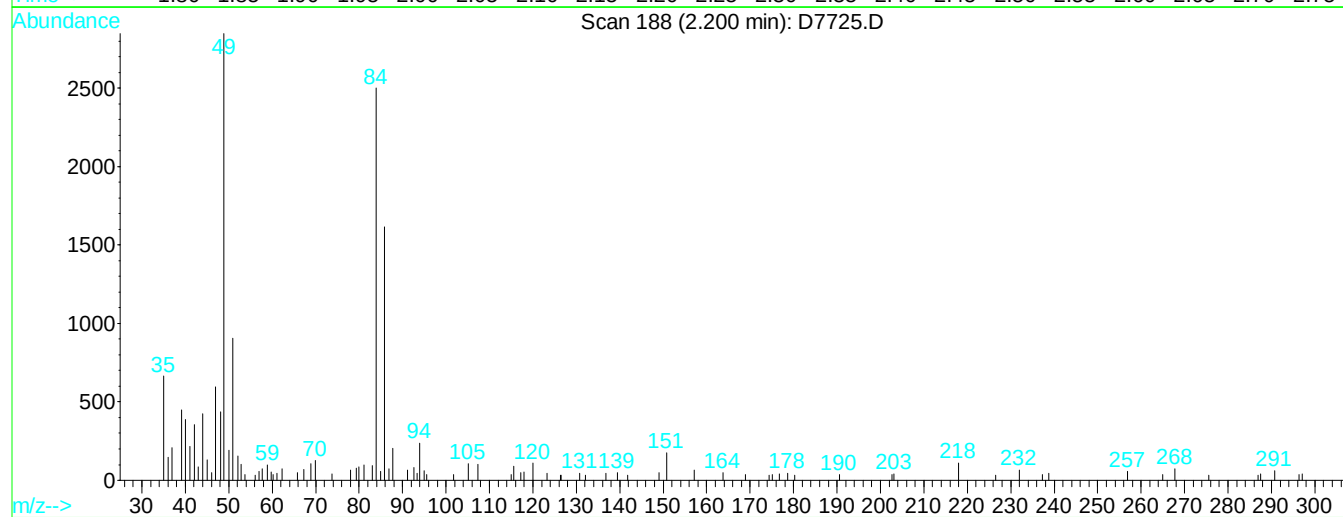
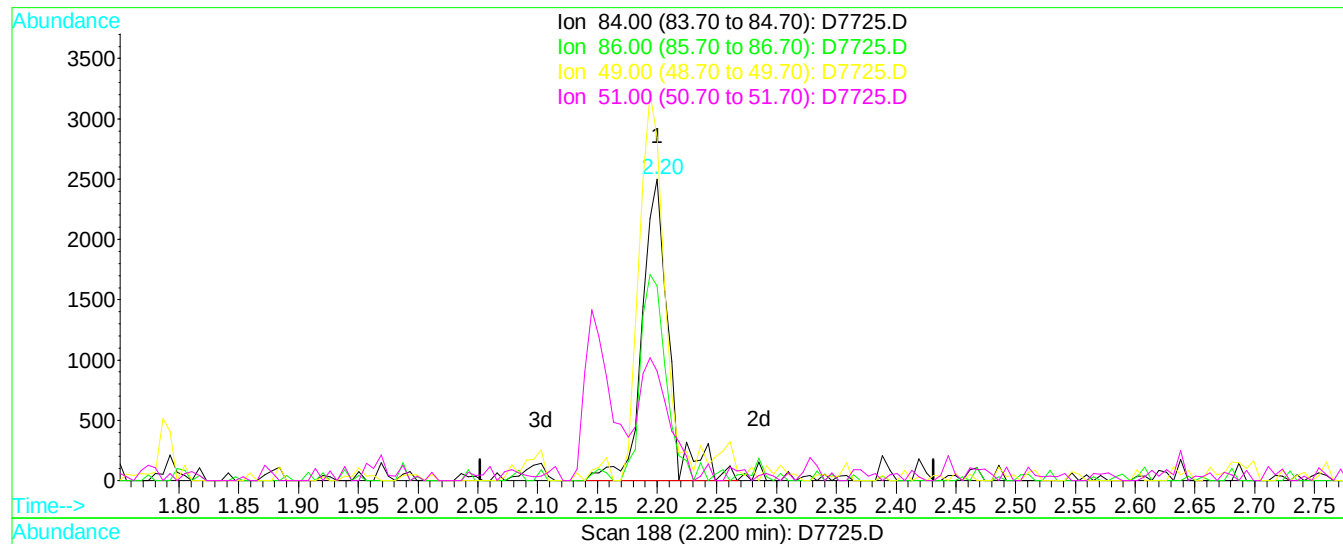
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(20) Methylene Chloride (P)

Manual Integration:

2.20min 2.04ug/L

Before

response 3964

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	64.60
49.00	119.20	113.88
51.00	41.00	36.28

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:12 2017

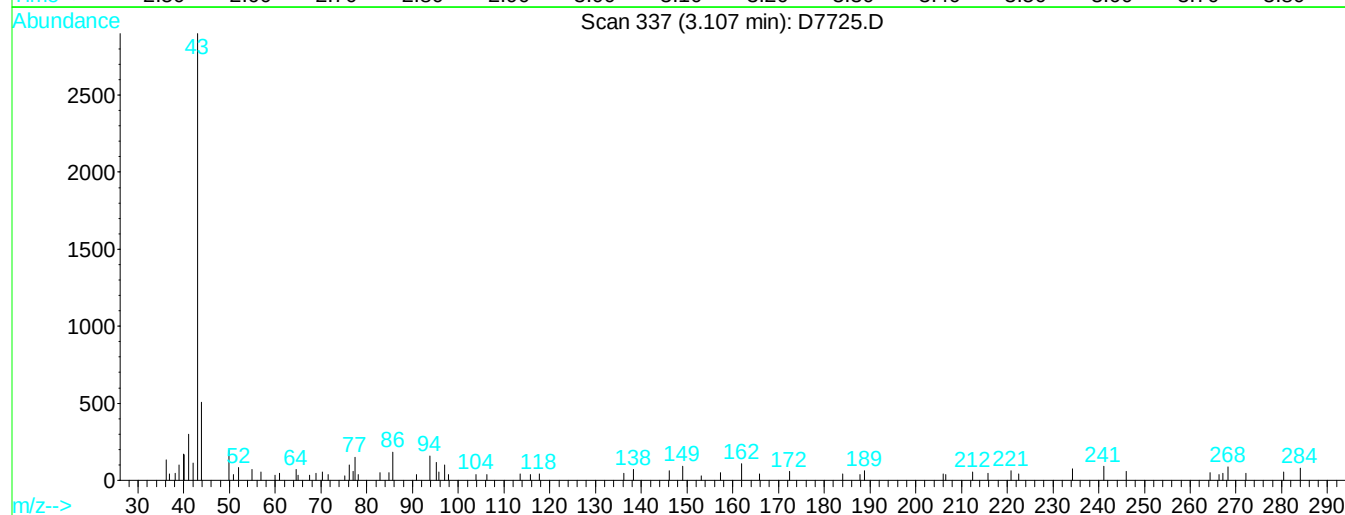
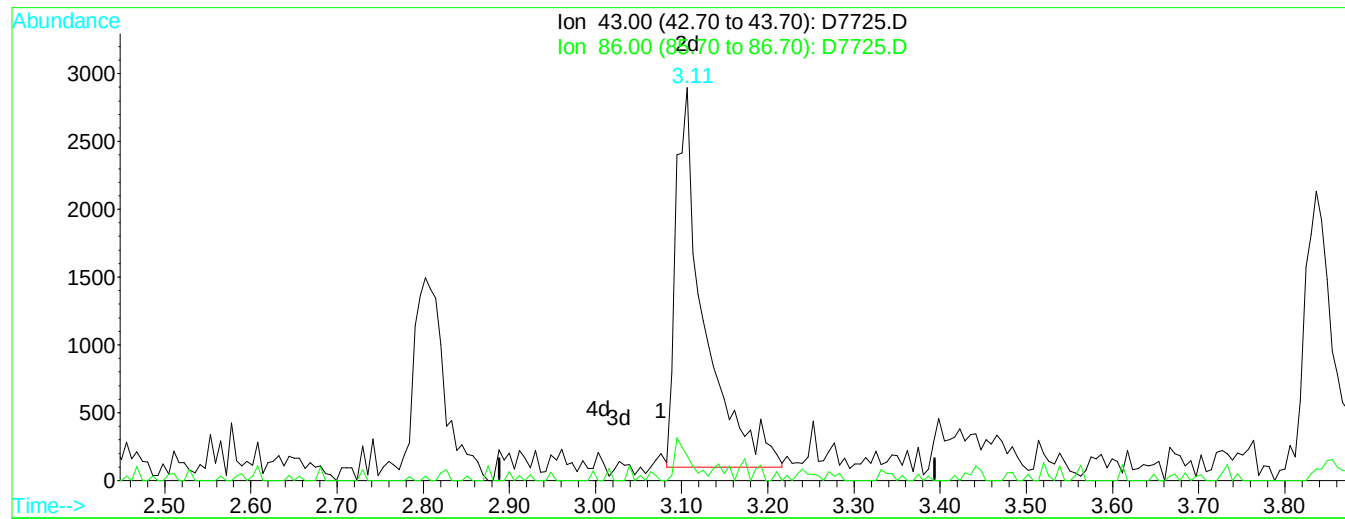
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Single Level Calibration



TIC: D7725.D

(29) Vinyl Acetate

Manual Integration:

3.11min 1.79ug/L m

After

response 6320

Peak not found.

Ion	Exp%	Act%
43.00	100	100
86.00	8.70	6.31
0.00	0.00	0.00
0.00	0.00	0.00

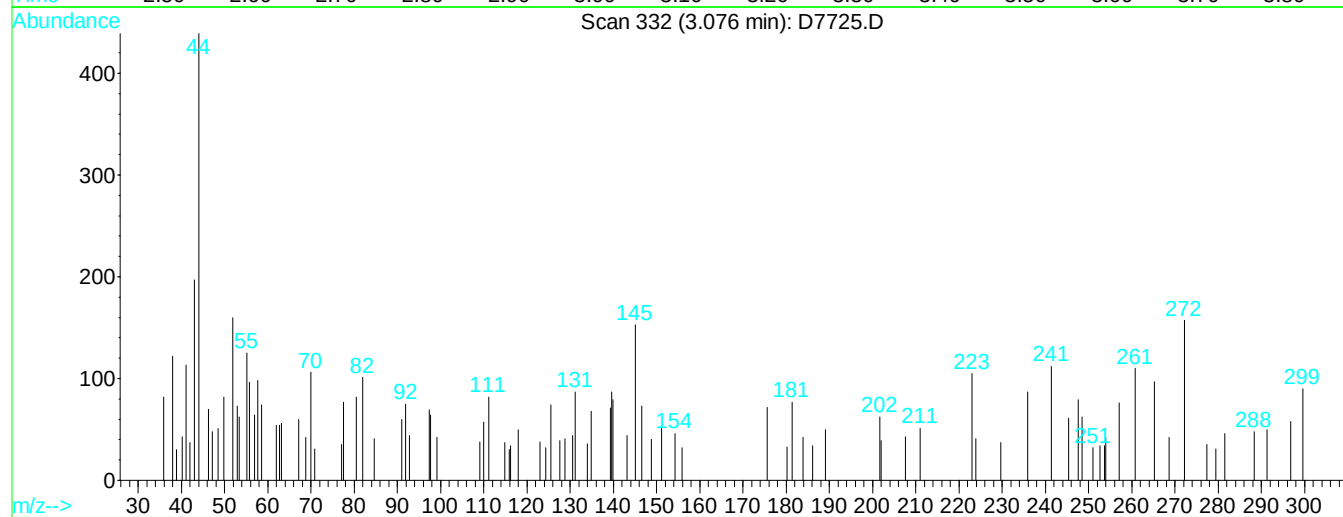
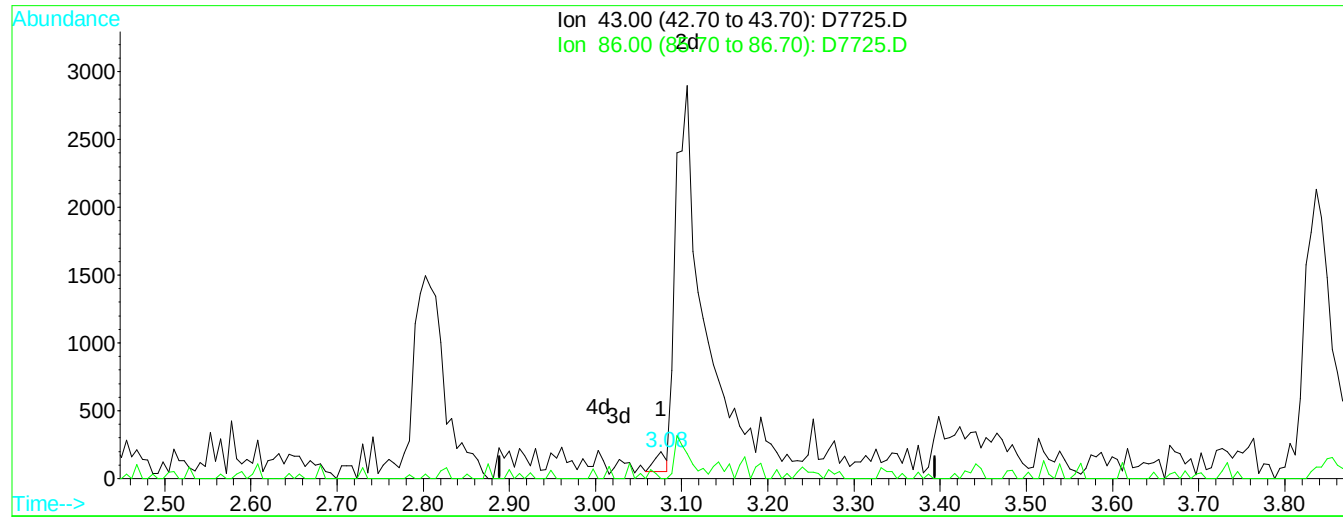
08/25/17

Quantitation Report (Qedit)

1st *DL* 08/25/17
2nd *FJ* 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:11 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Single Level Calibration



TIC: D7725.D

(29) Vinyl Acetate

Manual Integration:

3.08min 0.04ug/L

Before

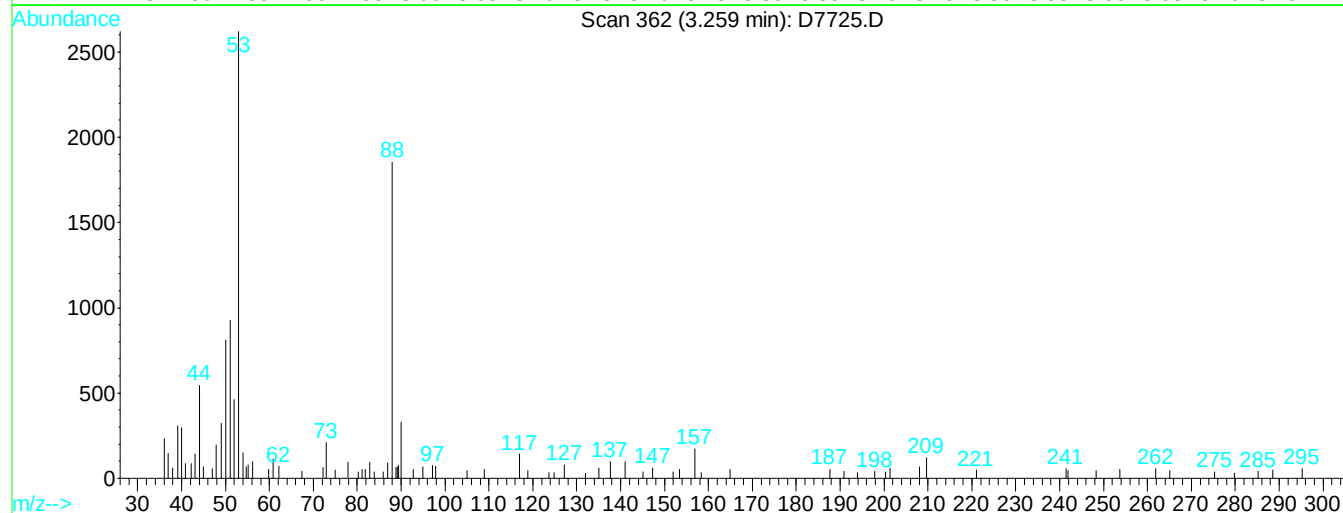
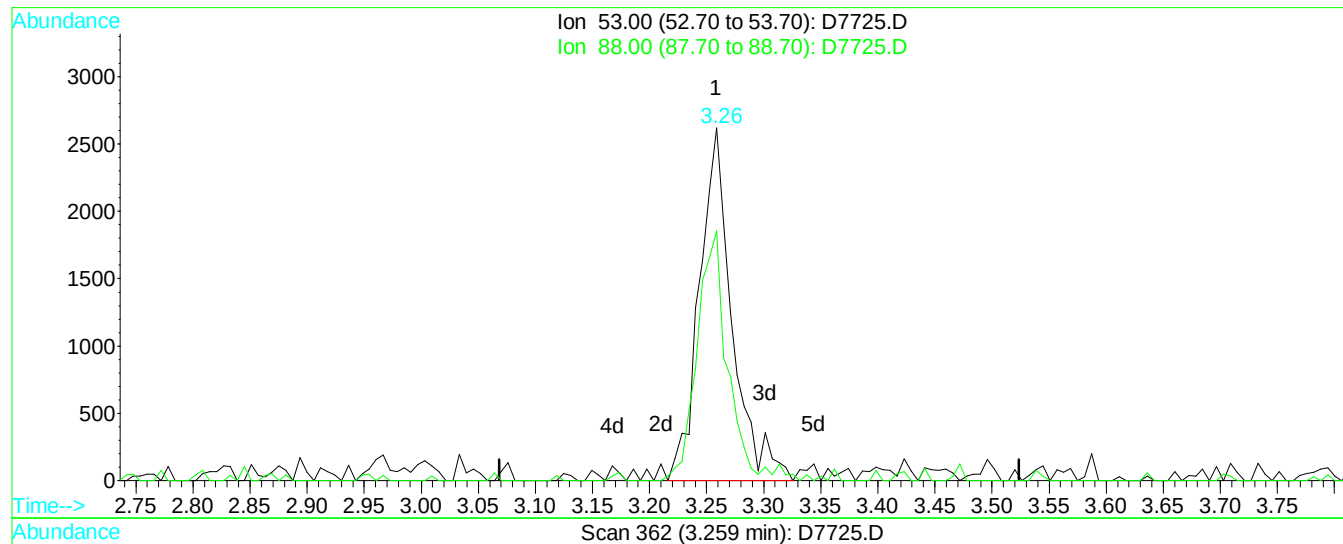
response 138

Ion	Exp%	Act%
43.00	100	100
86.00	8.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:13 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(30) 2-Chloro-1,3-Butadiene

Manual Integration:

3.26min 1.99ug/L m

After

response 5218

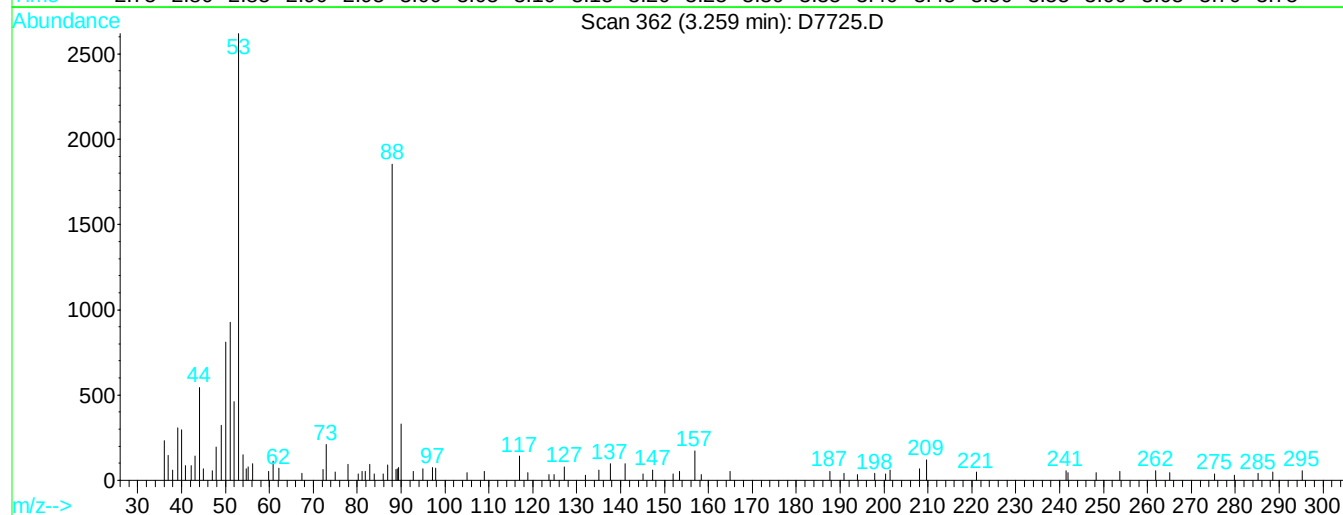
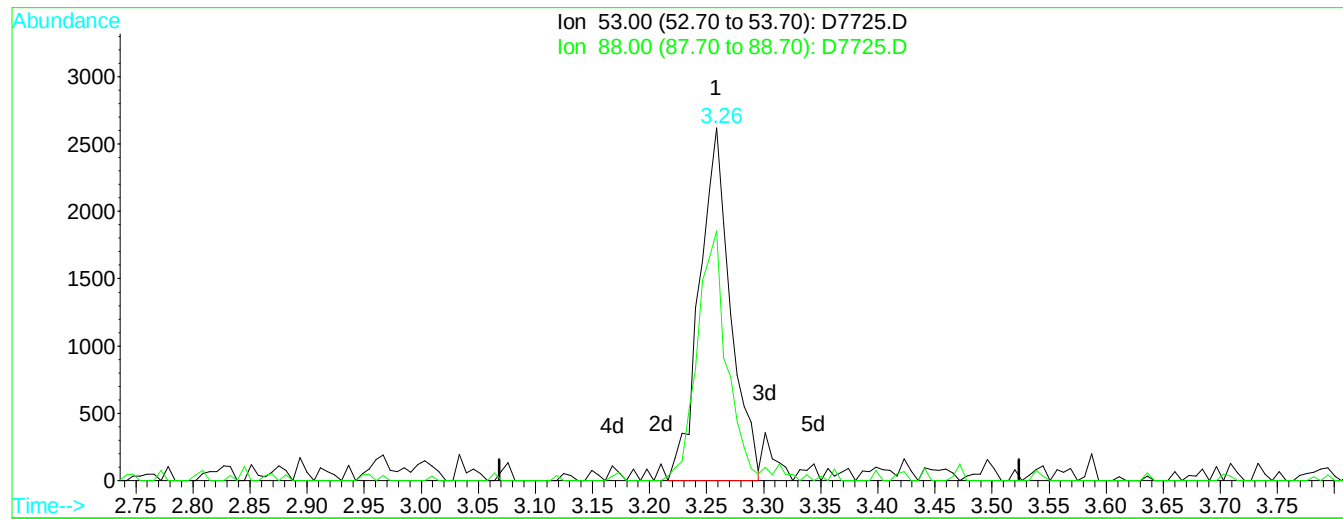
Split Peak.

Ion	Exp%	Act%
53.00	100	100
88.00	57.00	70.79
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:12 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(30) 2-Chloro-1,3-Butadiene

Manual Integration:

3.26min 1.89ug/L

Before

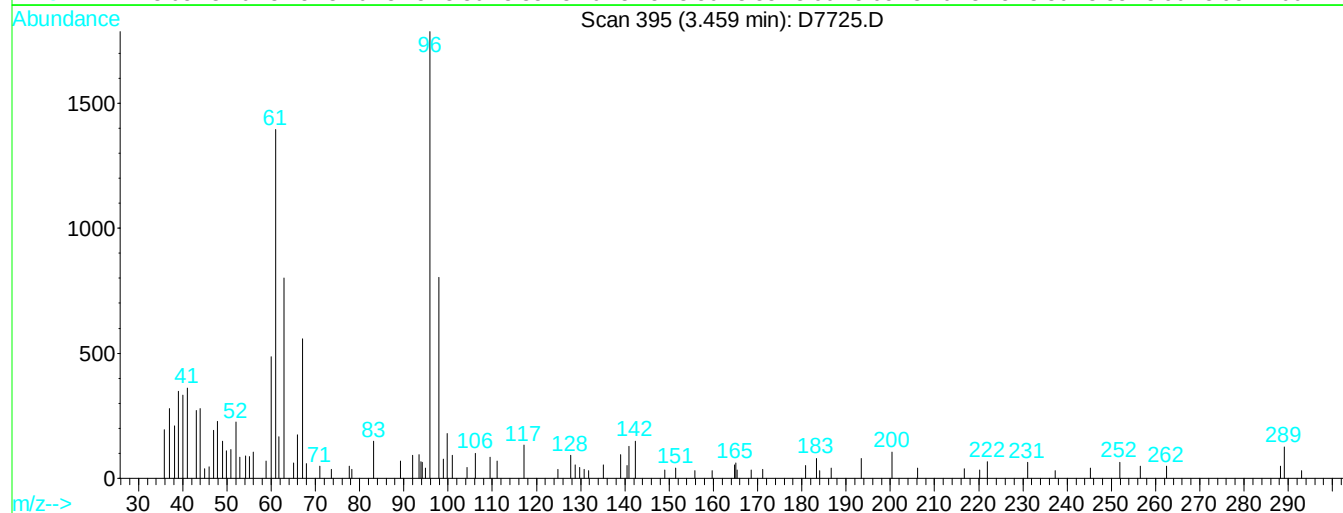
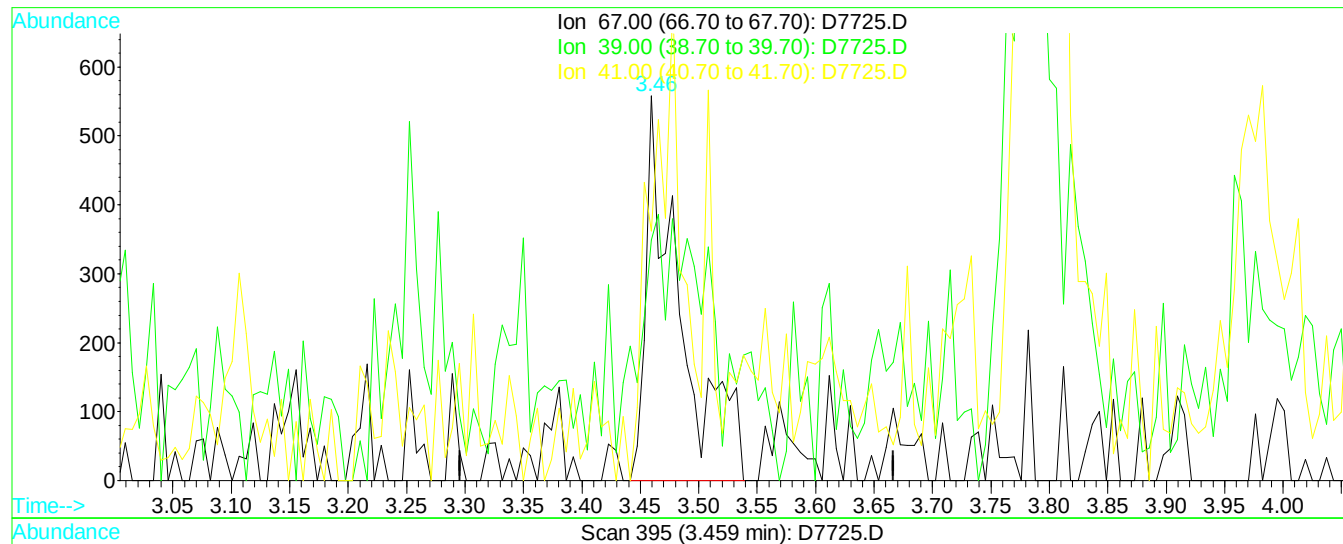
response 4942

Ion	Exp%	Act%
53.00	100	100
88.00	57.00	70.79
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:13 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Single Level Calibration



TIC: D7725.D

(32) Methacrylonitrile

3.46min 1.76ug/L m

response 1137

Ion	Exp%	Act%
67.00	100	100
39.00	96.70	62.54#
41.00	148.40	64.87#
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:13 2017

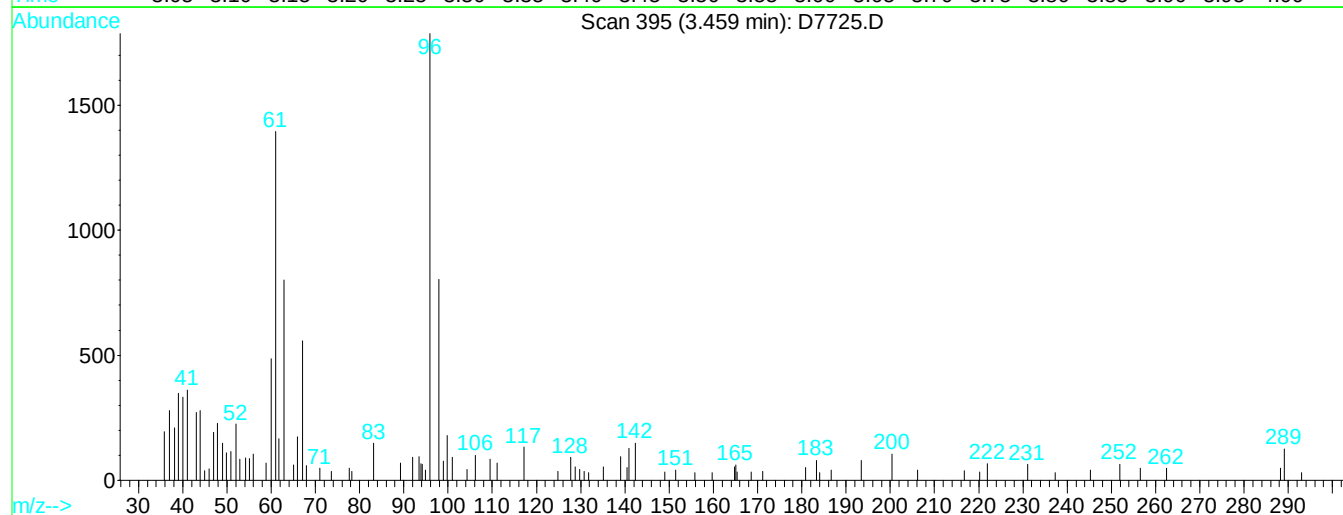
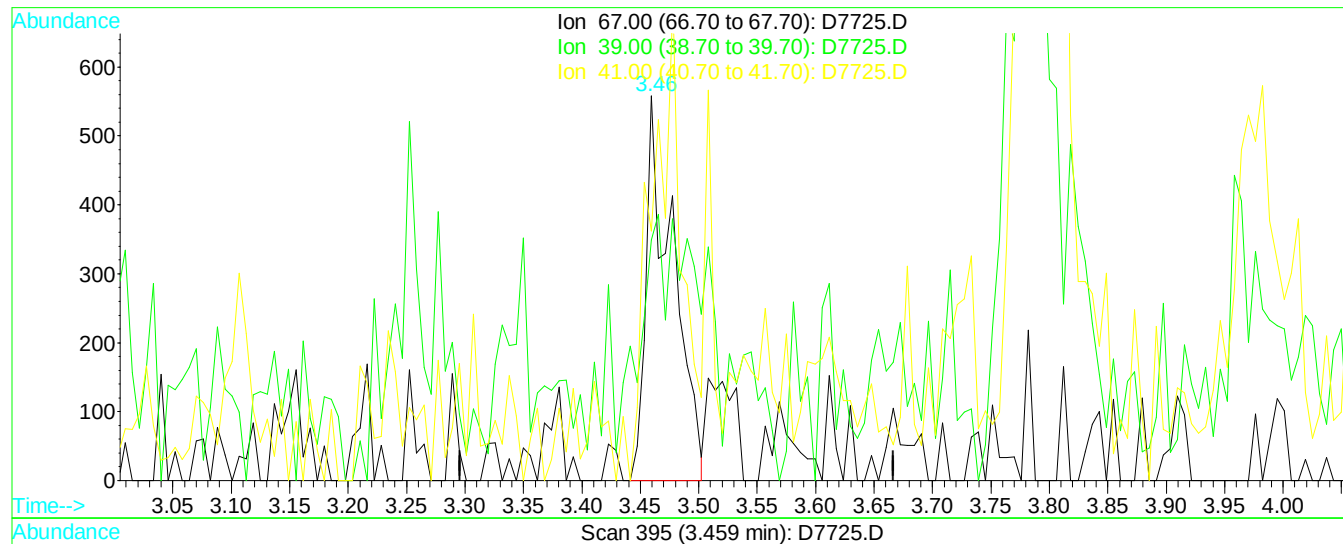
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Single Level Calibration



TIC: D7725.D

(32) Methacrylonitrile

Manual Integration:

3.46min 1.38ug/L

Before

response 891

Ion	Exp%	Act%

08/25/17

67.00	100	100

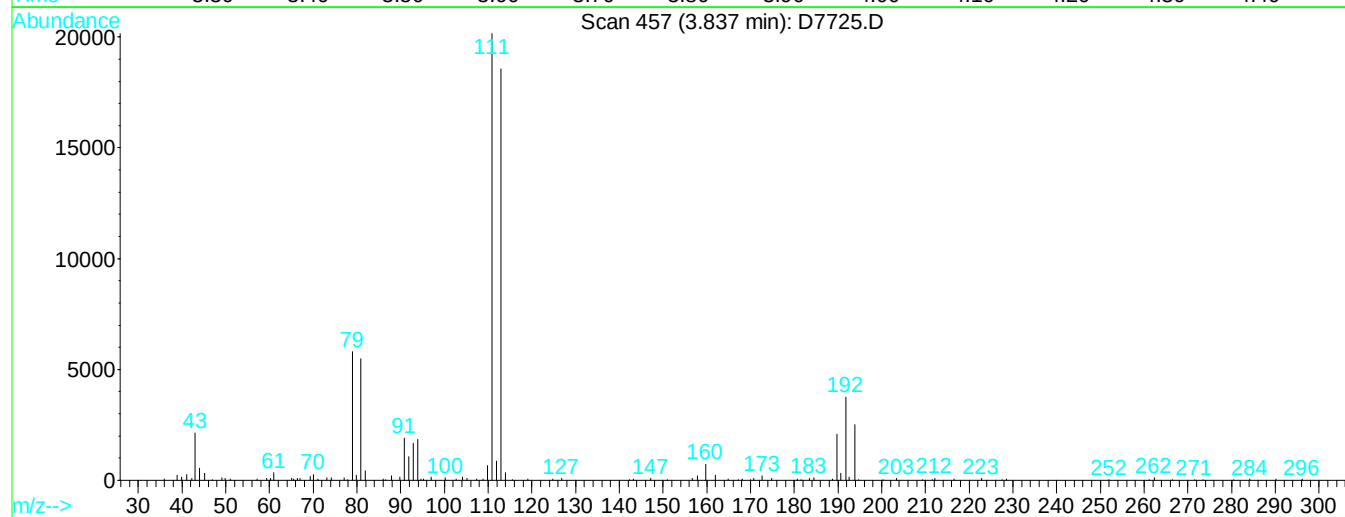
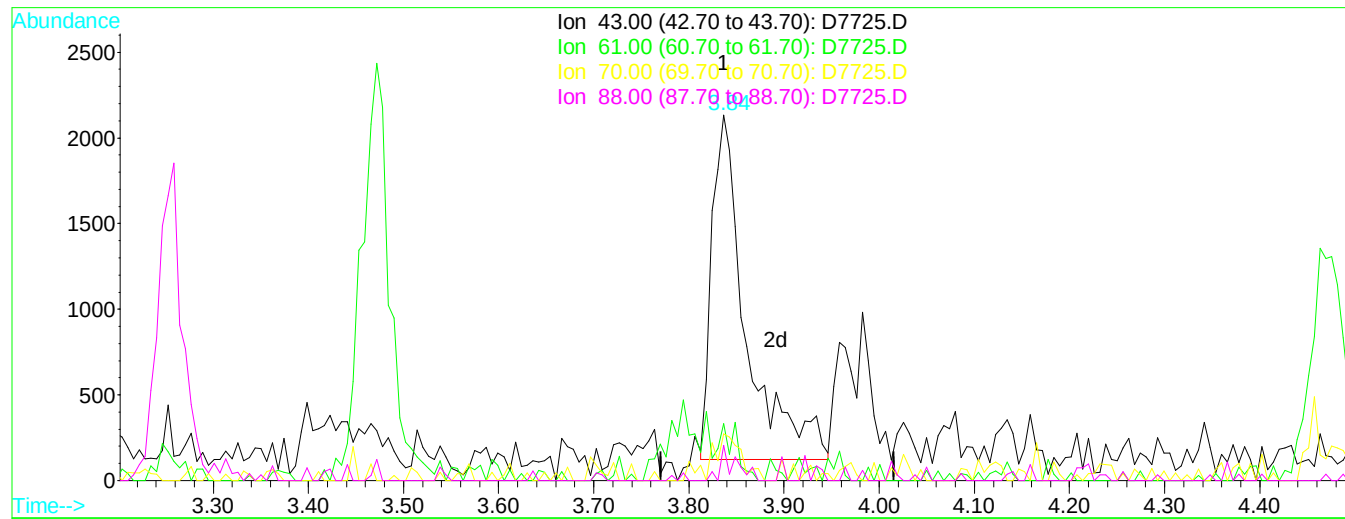
39.00	96.70	62.54#

41.00	148.40	64.87#

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:14 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(37) Ethyl Acetate

3.84min 3.57ug/L m

response 5055

Ion	Exp%	Act%
43.00	100	100
61.00	21.70	15.61
70.00	10.60	12.85
88.00	4.70	9.56

Manual Integration:

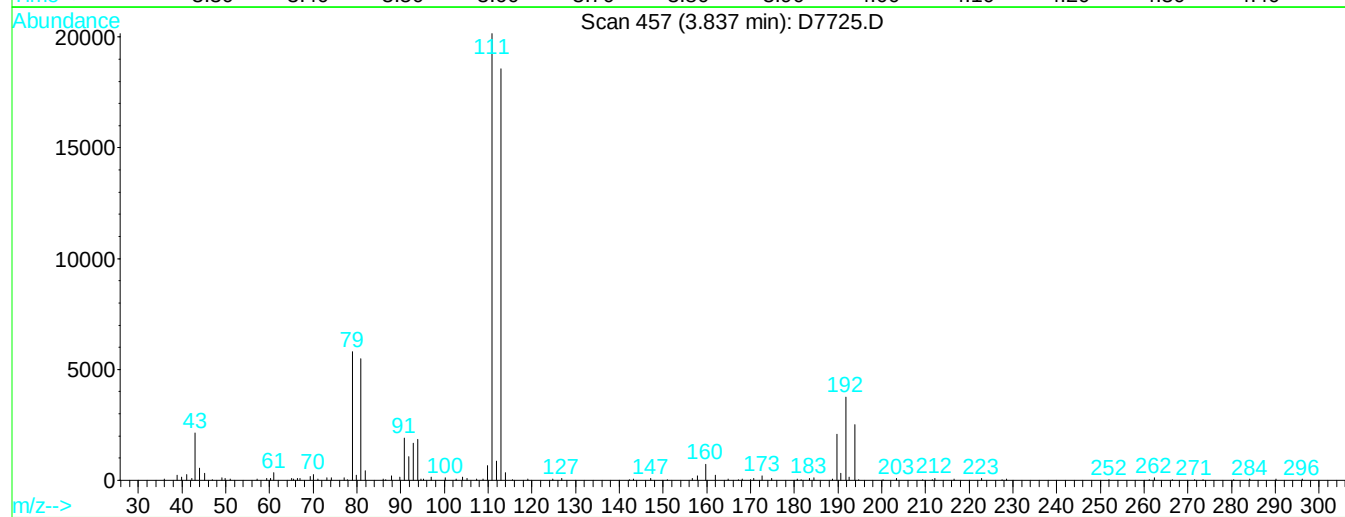
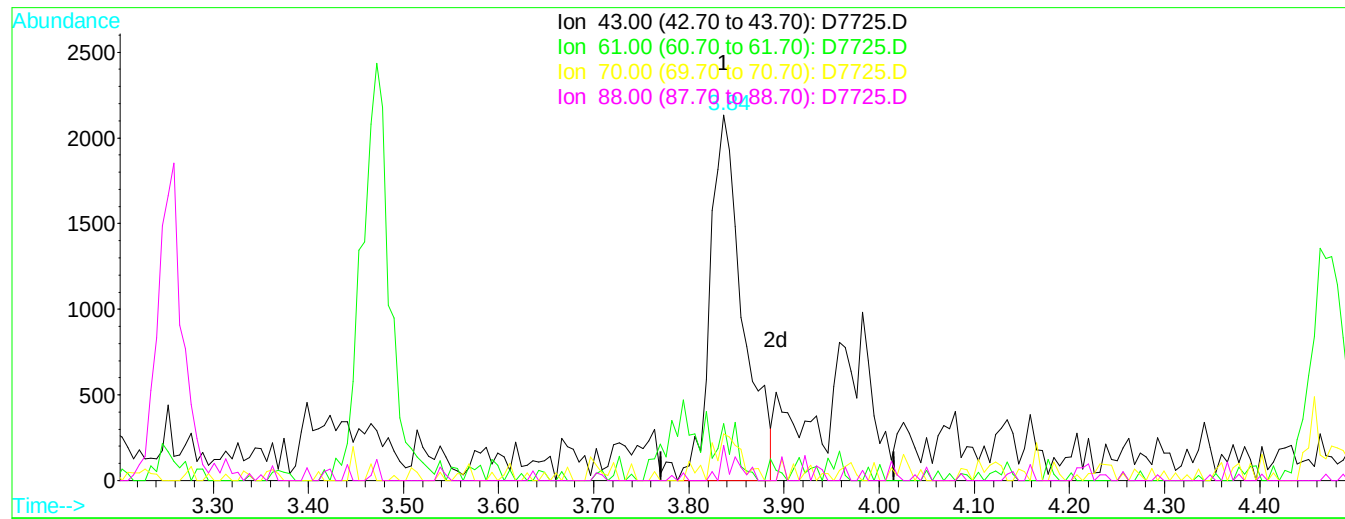
After

Split Peak.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:13 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(37) Ethyl Acetate

Manual Integration:

3.84min 3.56ug/L

Before

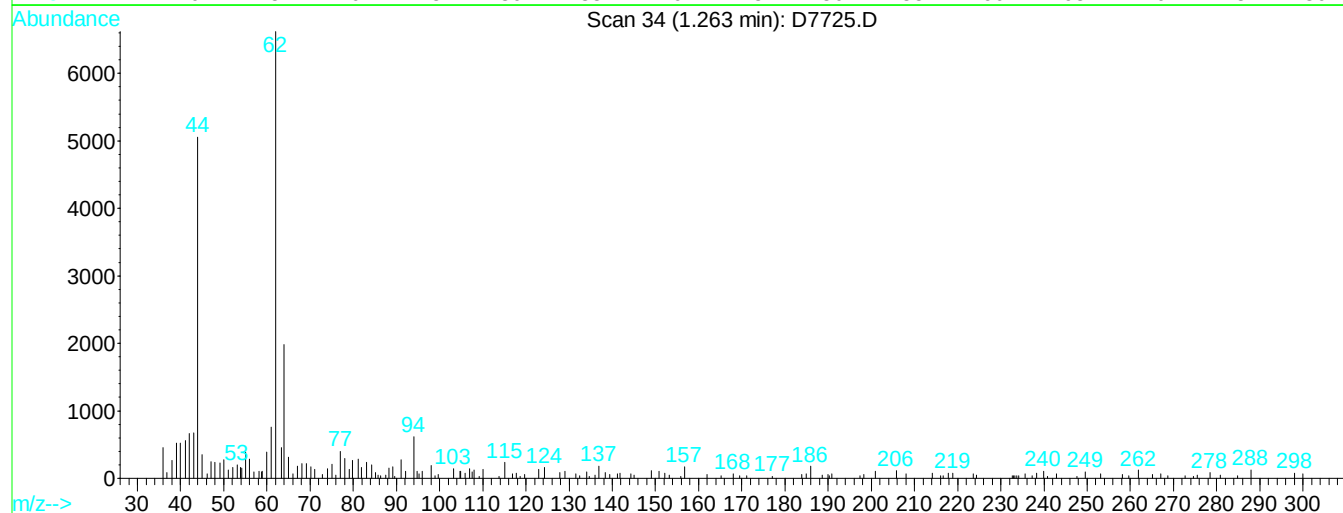
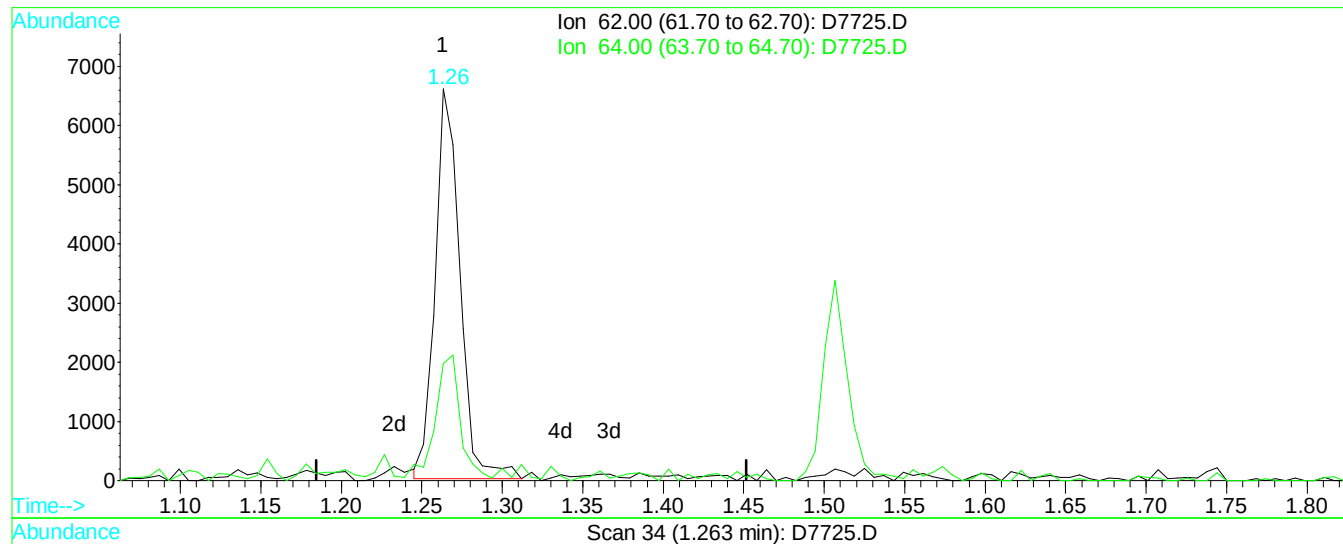
response 5042

Ion	Exp%	Act%
43.00	100	100
61.00	21.70	15.61
70.00	10.60	12.85
88.00	4.70	9.56

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:08 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(4) Vinyl Chloride (P)

1.26min 2.16ug/L m

response 7056

Ion	Exp%	Act%
62.00	100	100
64.00	35.30	29.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

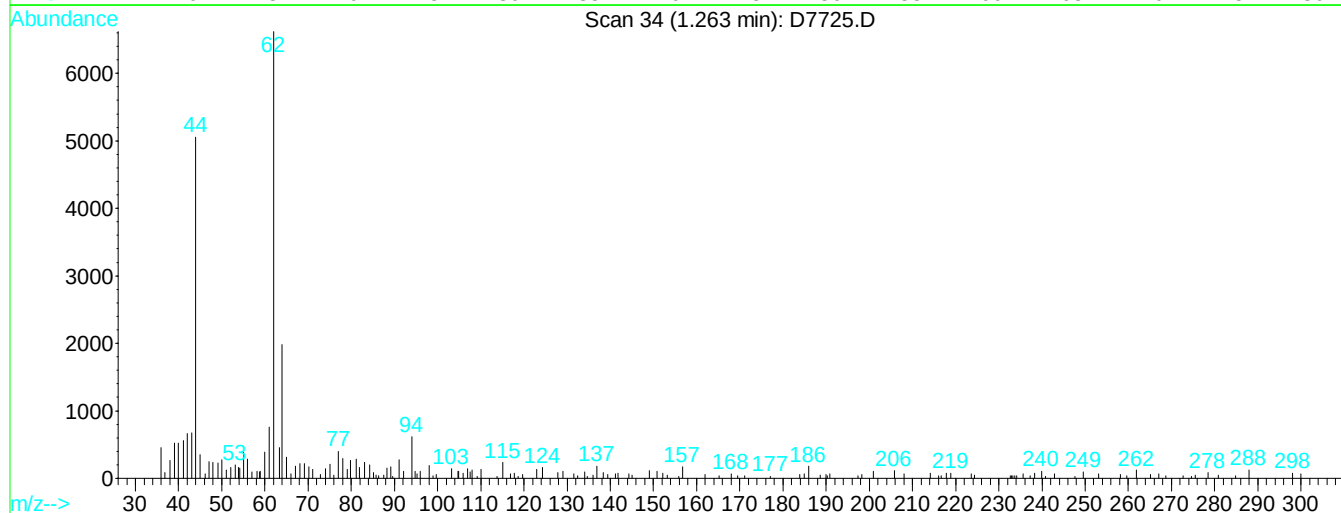
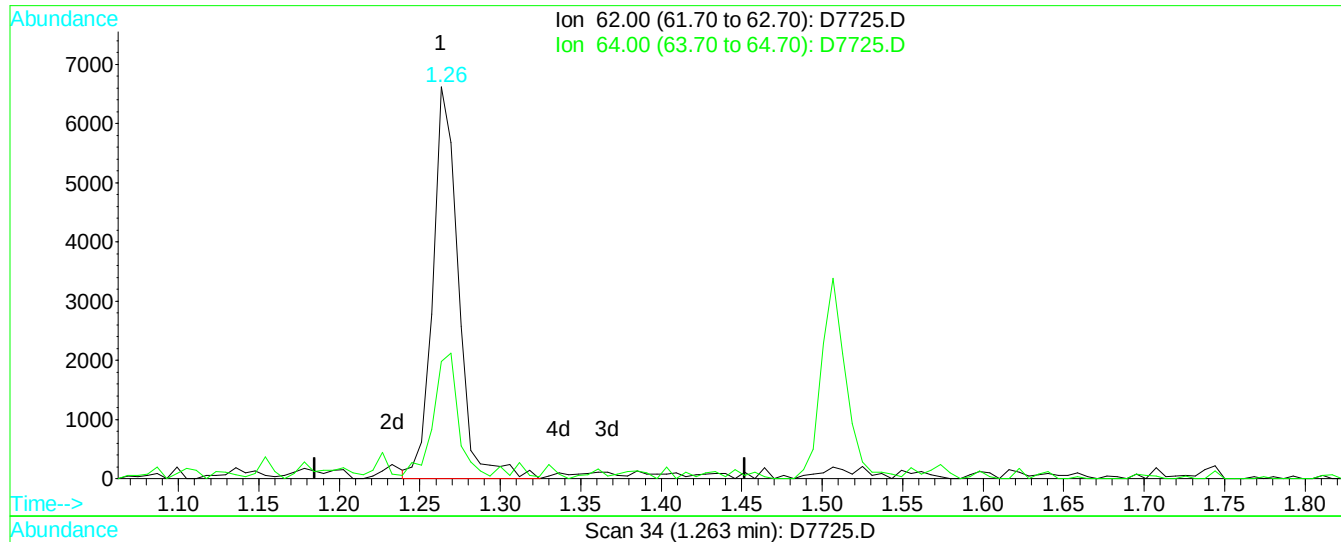
After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:07 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(4) Vinyl Chloride (P)

Manual Integration:

1.26min 2.24ug/L

Before

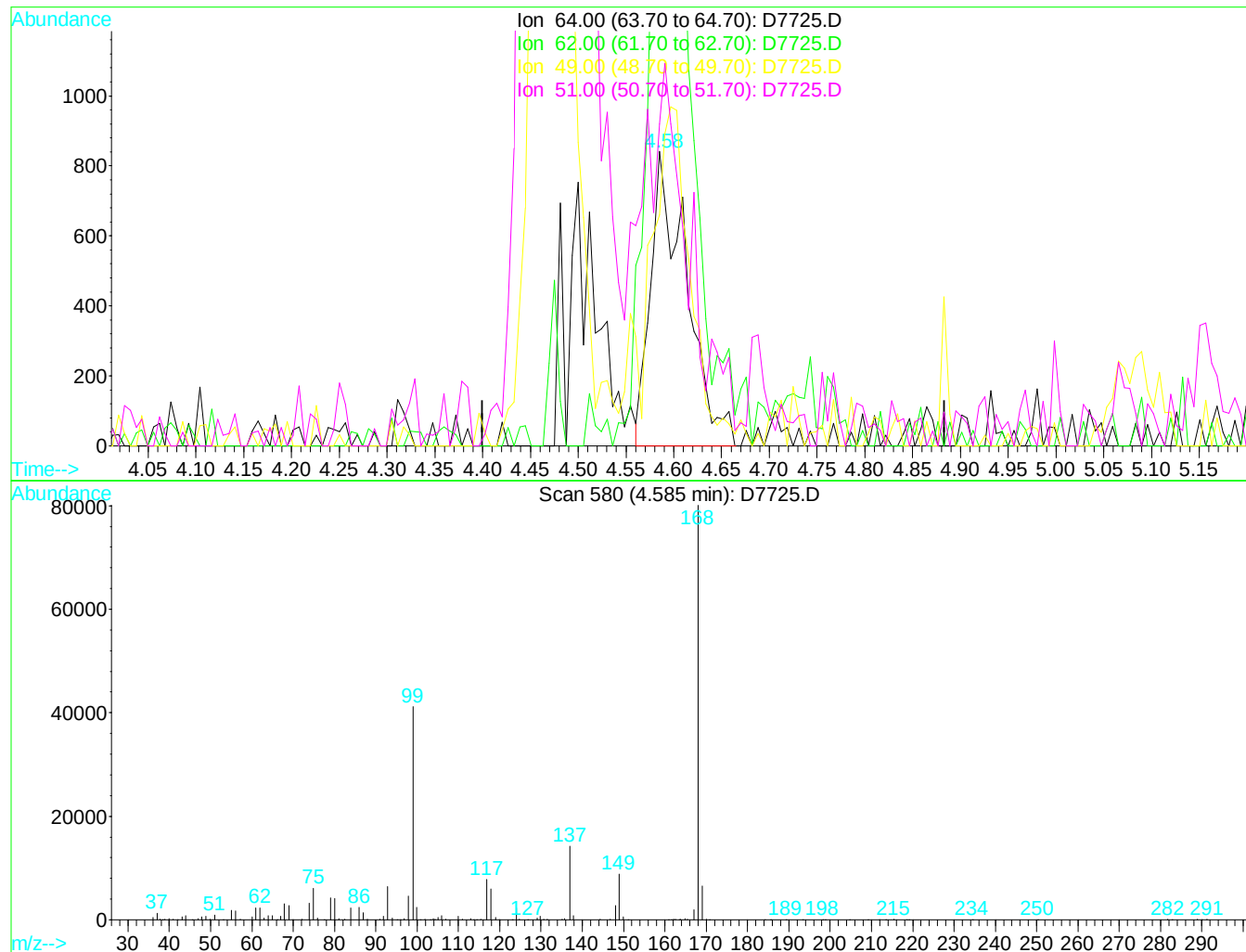
response 7306

Ion	Exp%	Act%
62.00	100	100
64.00	35.30	29.90
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:16 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(44) 1,2-Dichloroethane (P)

Manual Integration:

4.58min 2.32ug/L m

After

response 2194

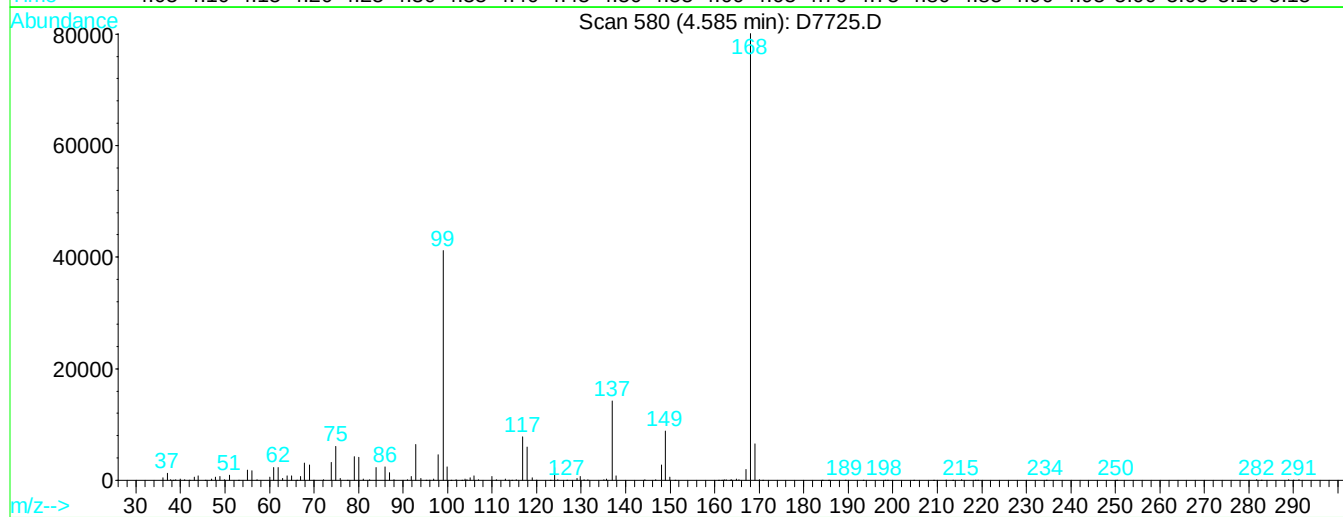
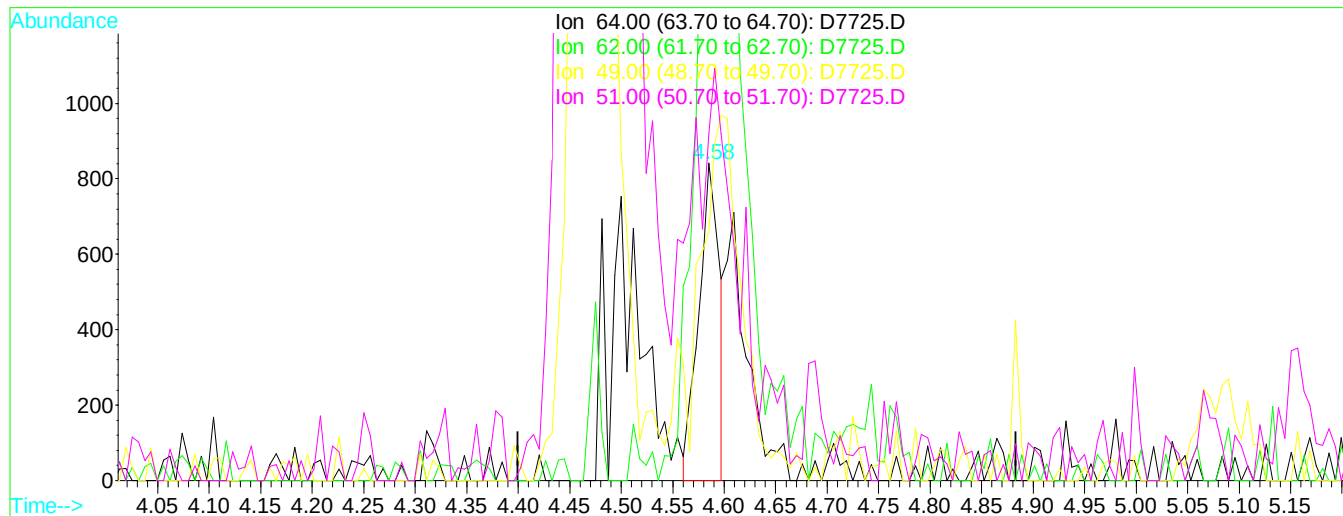
Split Peak.

Ion	Exp%	Act%
64.00	100	100
62.00	291.40	278.00
49.00	77.00	78.48
51.00	29.80	109.39#

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:14 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(44) 1,2-Dichloroethane (P)

Manual Integration:

4.58min 1.23ug/L

Before

response 1168

Ion	Exp%	Act%
64.00	100	100
62.00	291.40	278.00
49.00	77.00	78.48
51.00	29.80	109.39#

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:16 2017

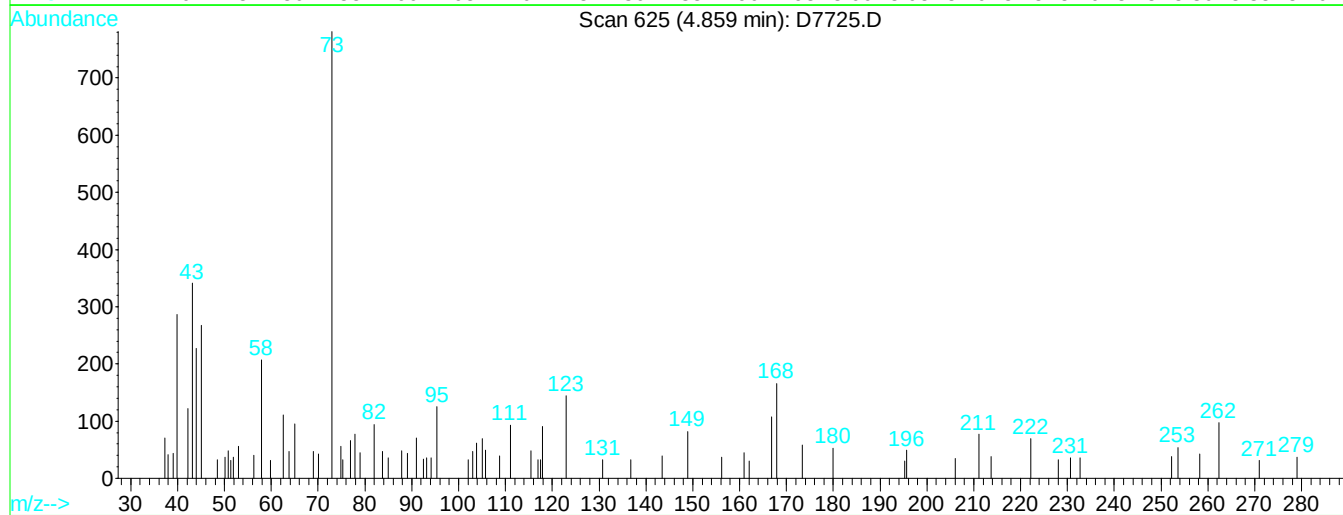
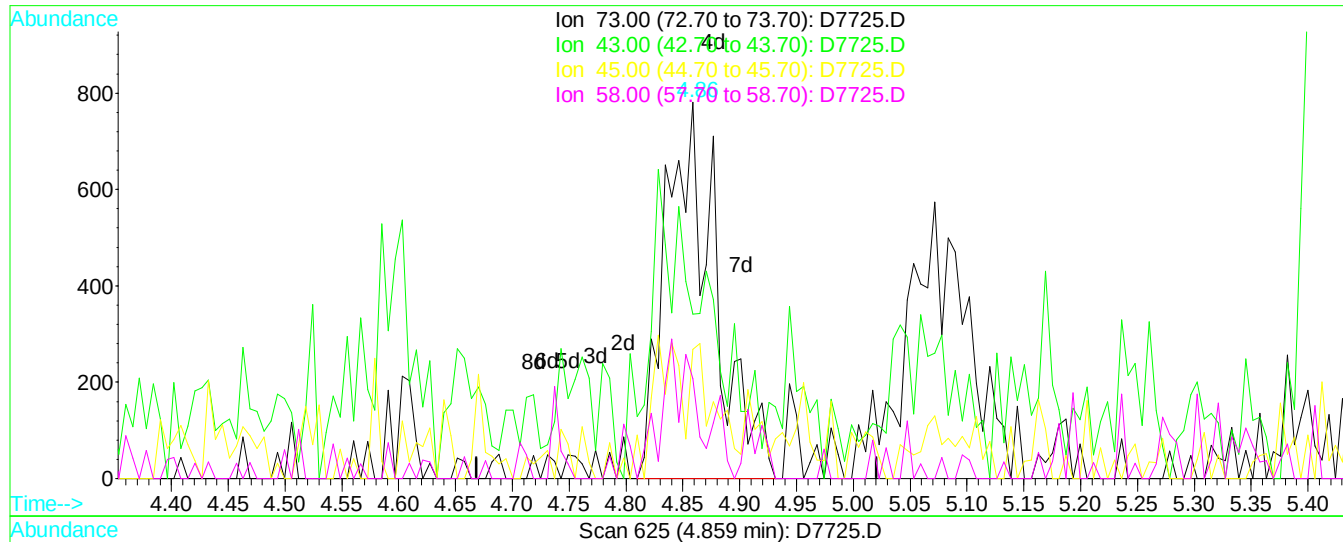
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(45) 2-Methyl-1,3-Dioxolane

Manual Integration:

4.86min 10.37ug/L m

After

response 2376

Split Peak.

Ion	Exp%	Act%
73.00	100	100
43.00	45.30	43.66
45.00	44.60	34.31
58.00	21.20	26.50

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:16 2017

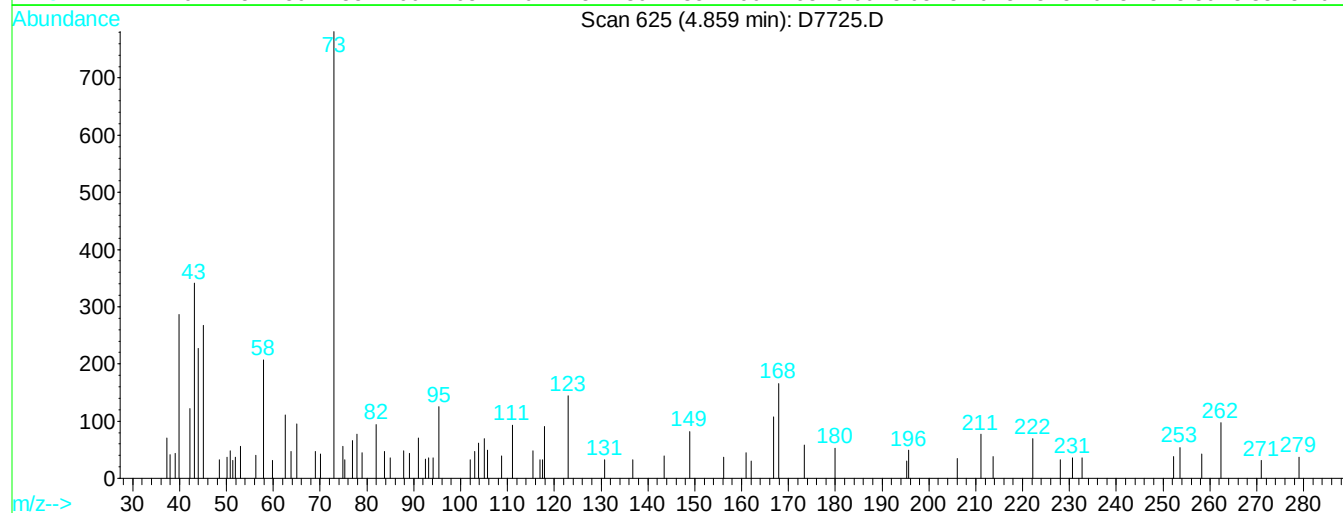
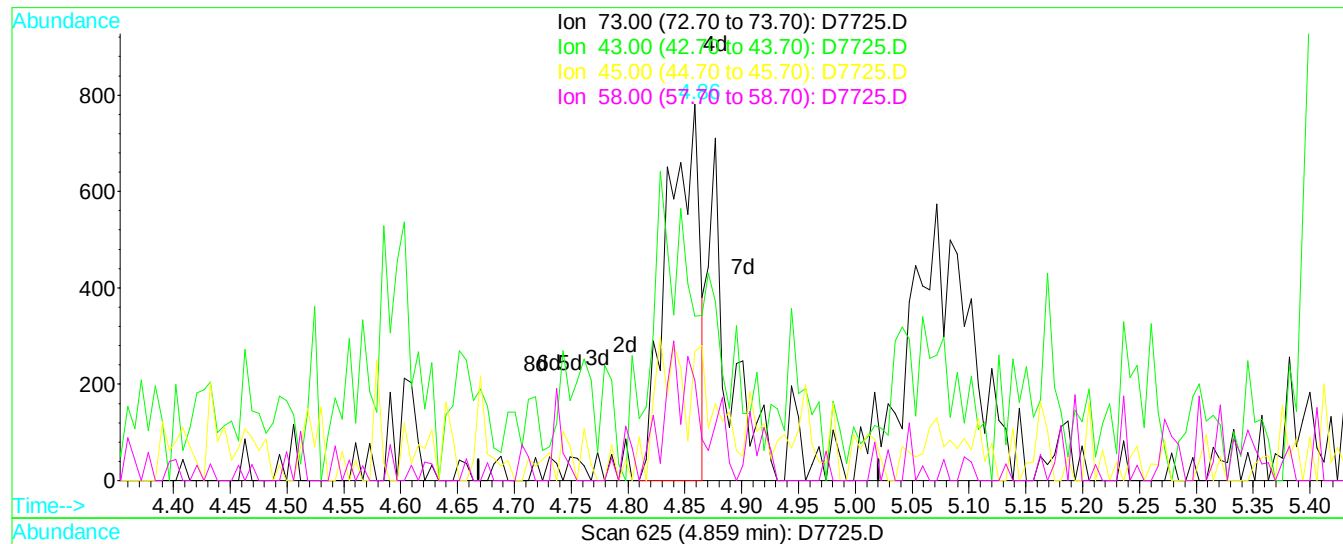
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(45) 2-Methyl-1,3-Dioxolane

Manual Integration:

4.86min 6.64ug/L

Before

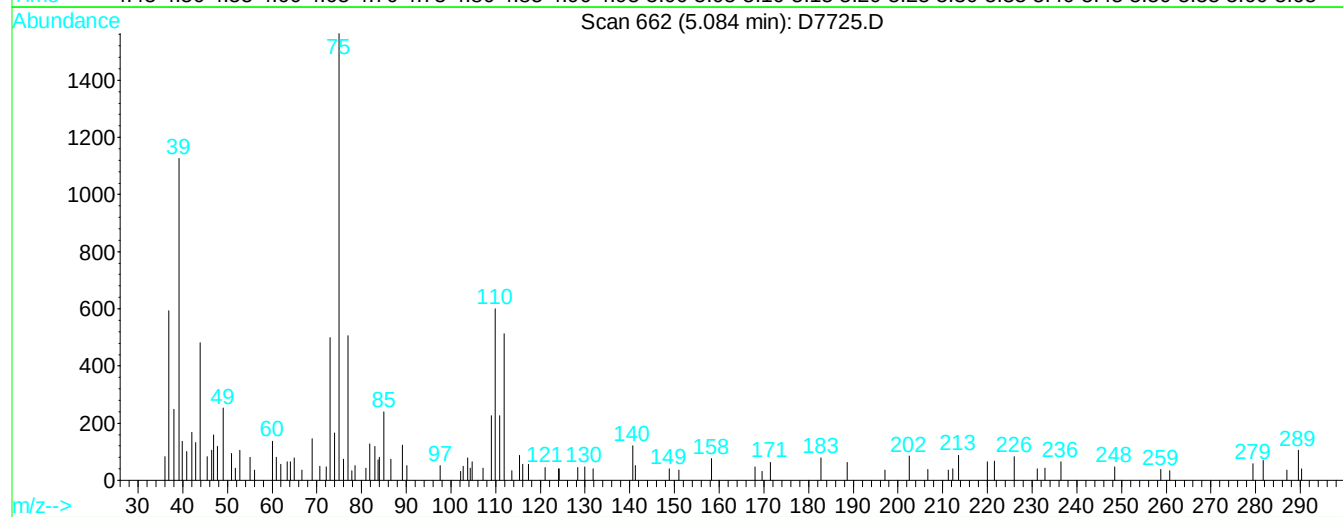
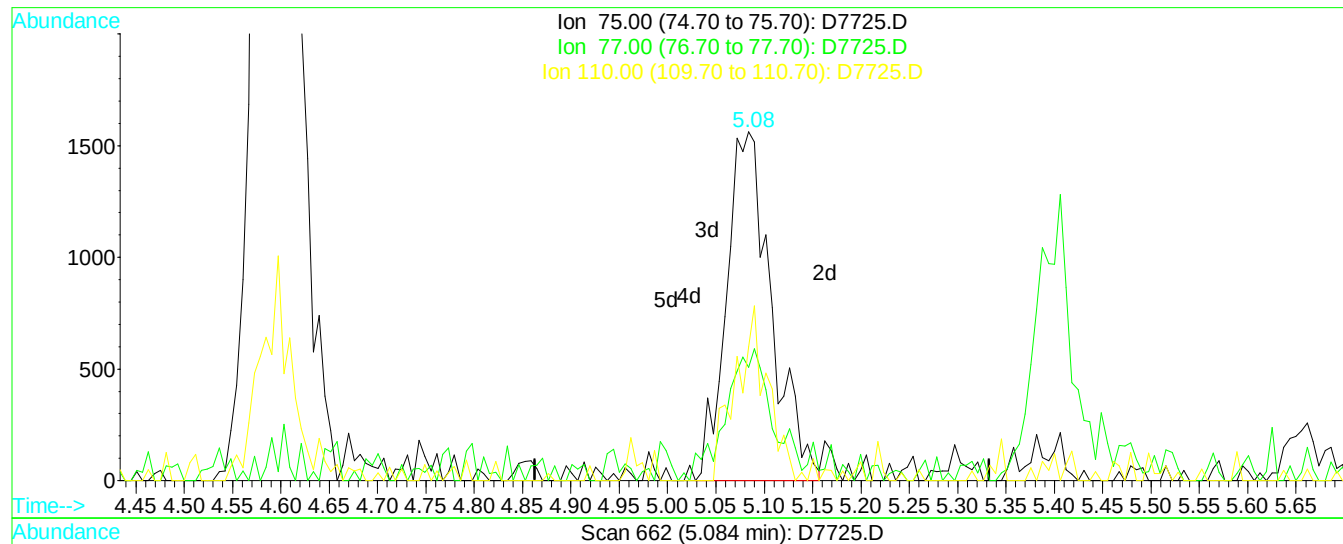
response 1522

Ion	Exp%	Act%
73.00	100	100
43.00	45.30	43.66
45.00	44.60	34.31
58.00	21.20	26.50

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:16 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(46) 1,1-Dichloropropene

Manual Integration:

5.08min 2.01ug/L m

After

response 5037

Split Peak.

Ion	Exp%	Act%
75.00	100	100
77.00	30.30	32.44
110.00	38.70	38.39
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:16 2017

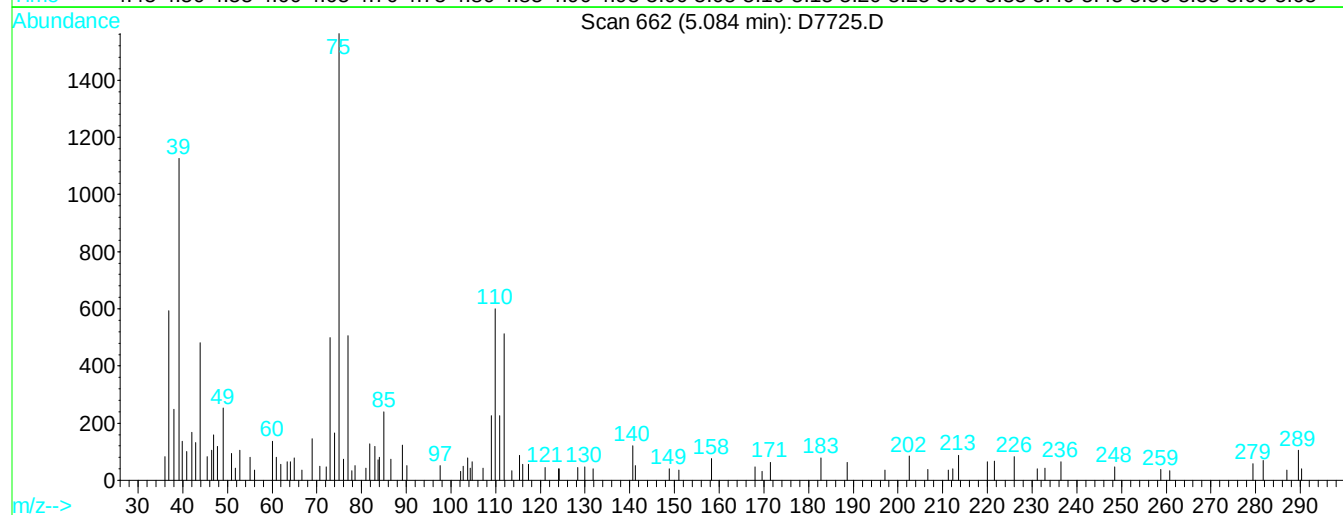
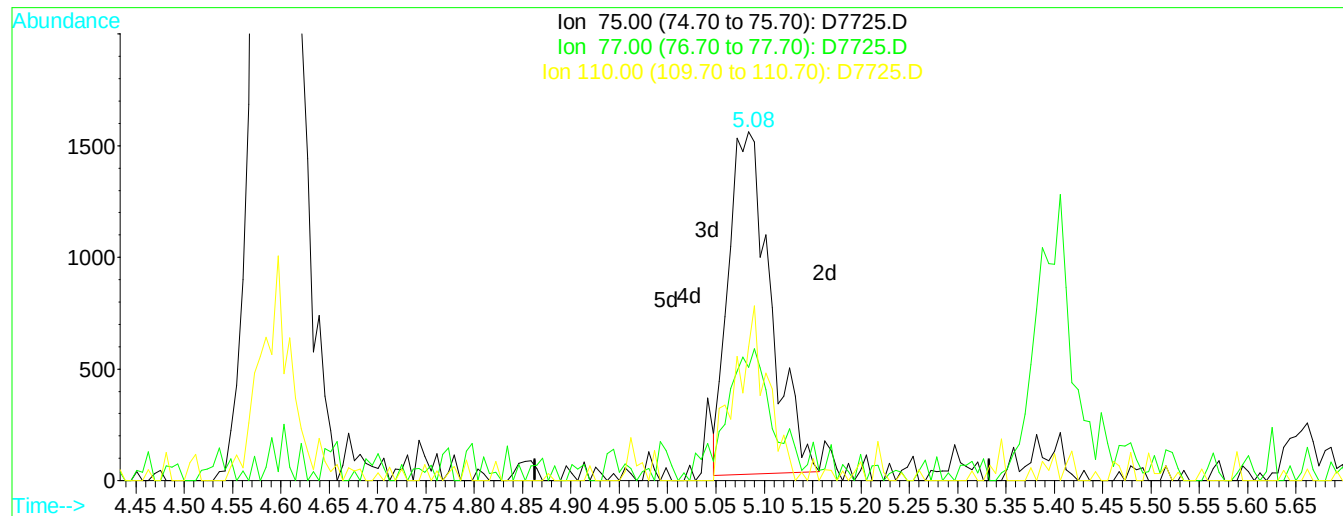
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(46) 1,1-Dichloropropene

Manual Integration:

5.08min 1.84ug/L

Before

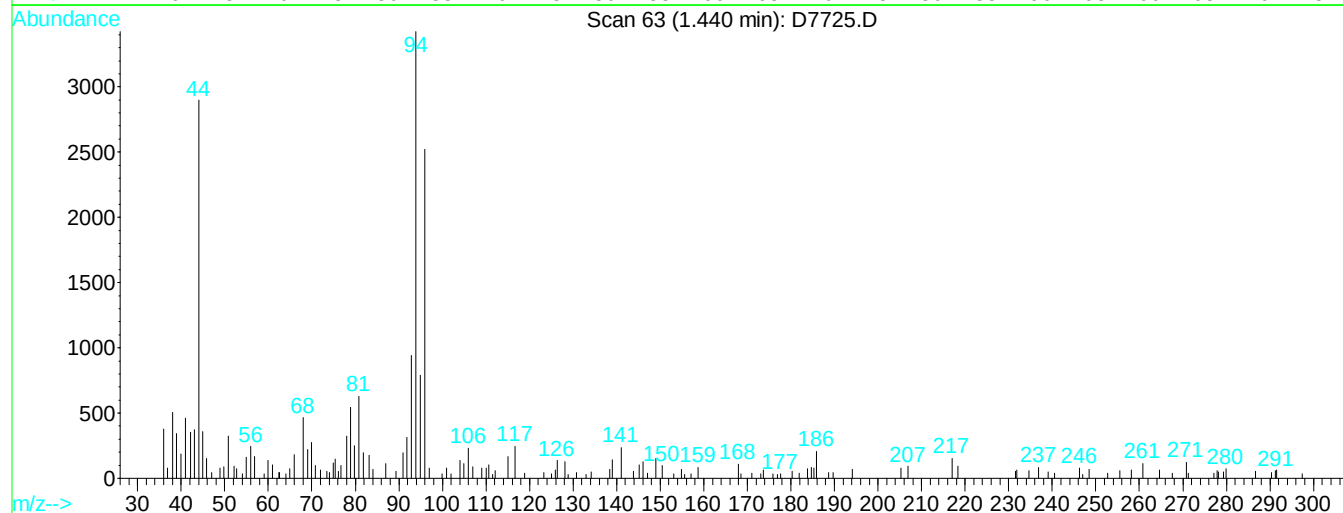
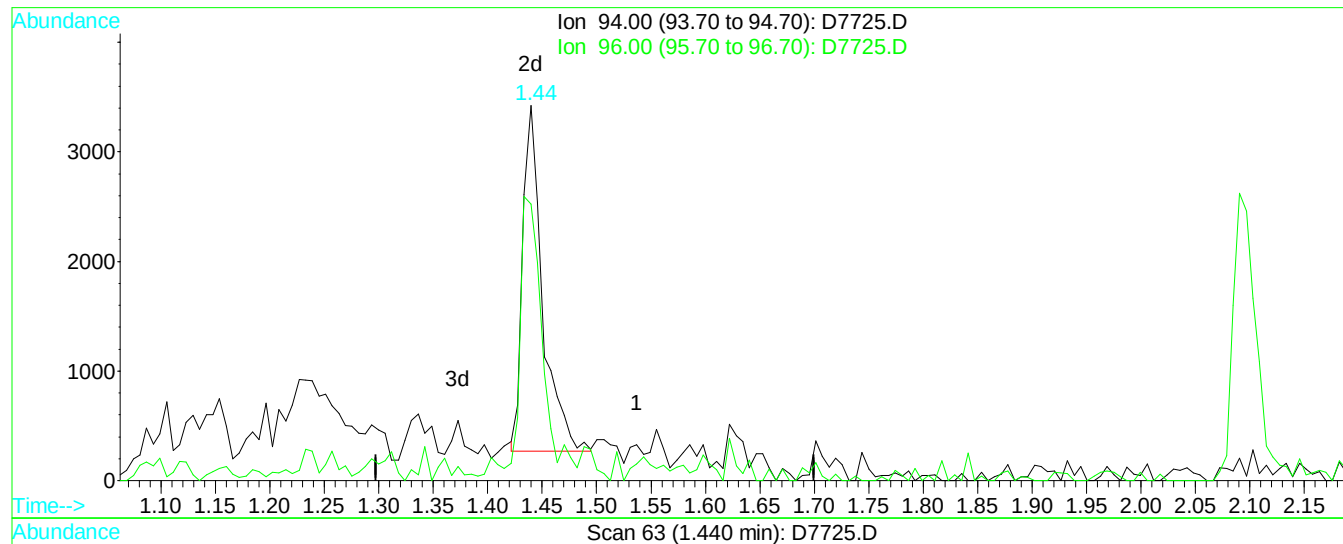
response 4606

Ion	Exp%	Act%
75.00	100	100
77.00	30.30	32.44
110.00	38.70	38.39
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:07 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(5) Bromomethane (P)

1.44min 2.03ug/L m

response 3967

Ion	Exp%	Act%
94.00	100	100
96.00	93.70	73.68#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:06 2017

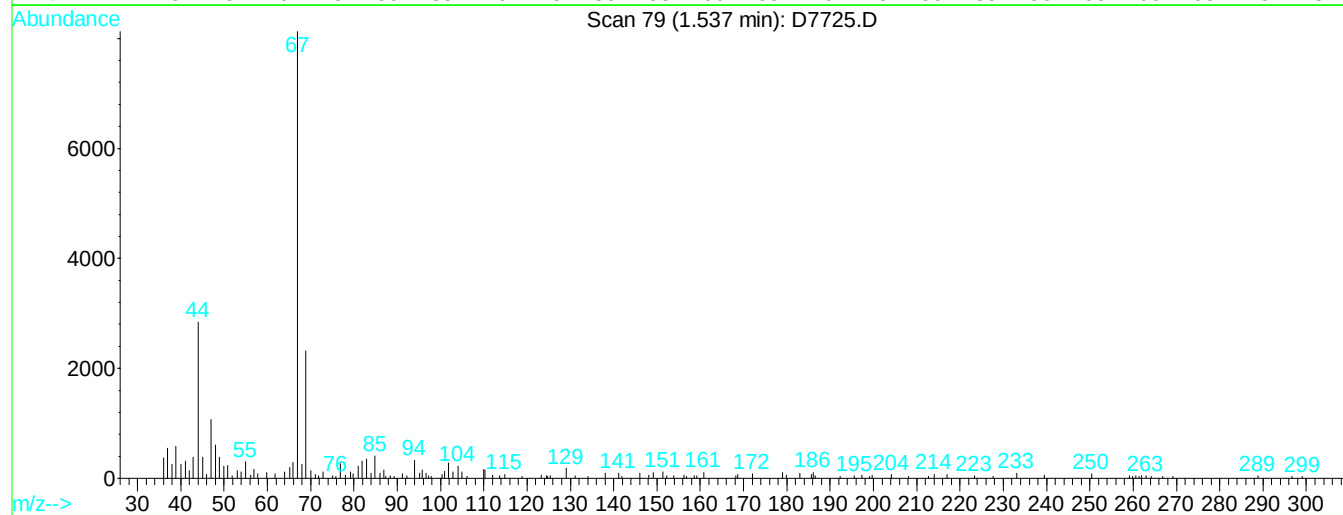
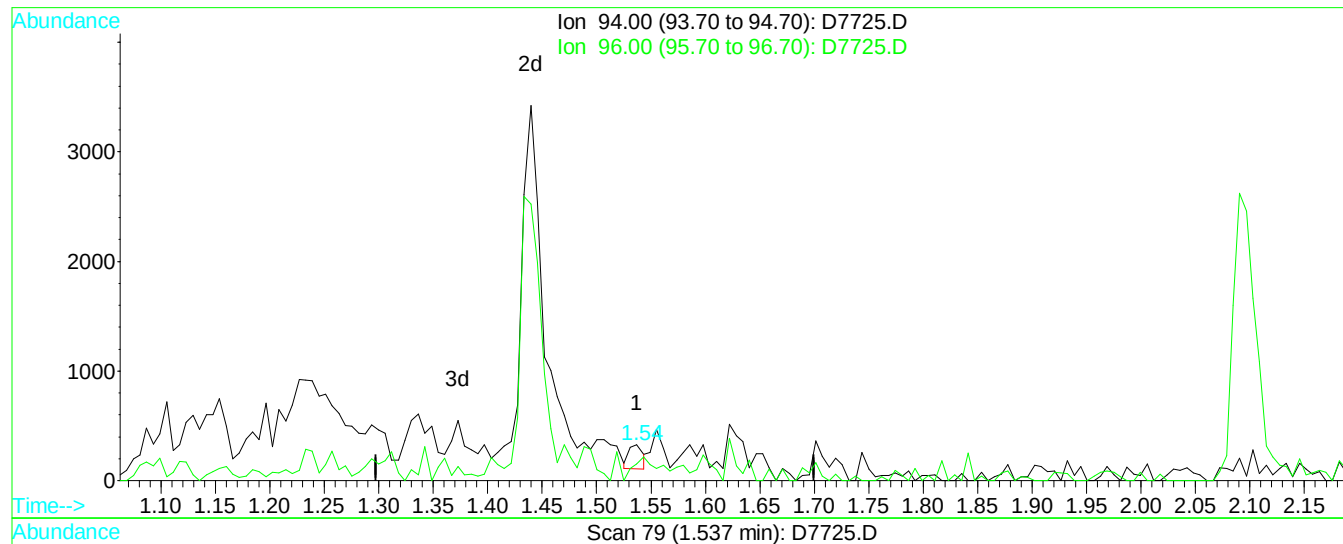
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(5) Bromomethane (P)

Manual Integration:

1.54min 0.10ug/L

Before

response 196

Ion	Exp%	Act%
94.00	100	100
96.00	93.70	73.70
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:17 2017

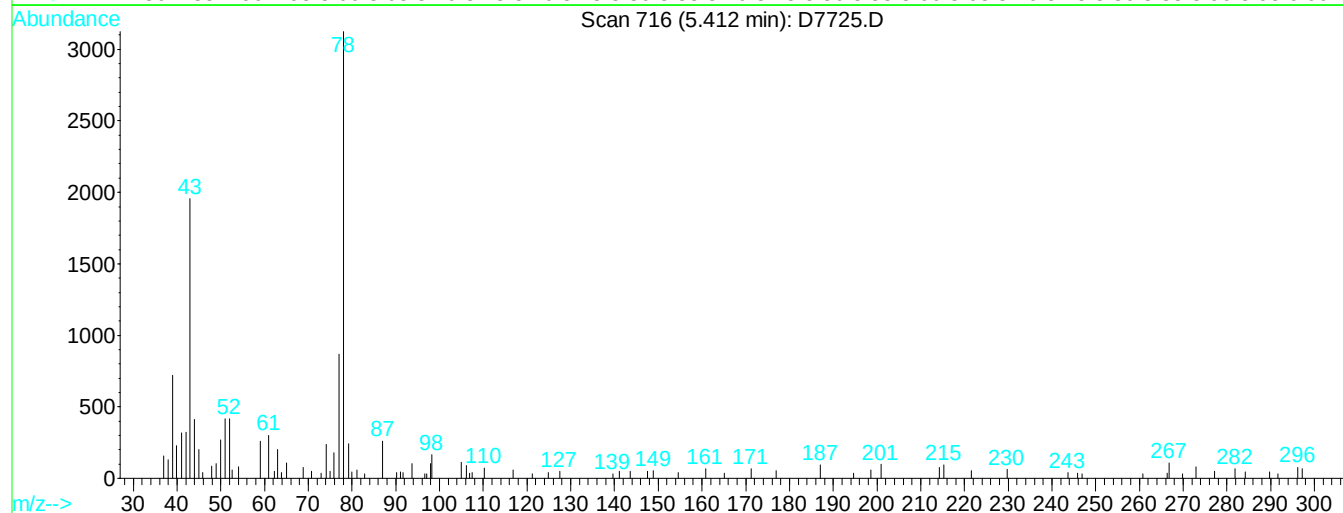
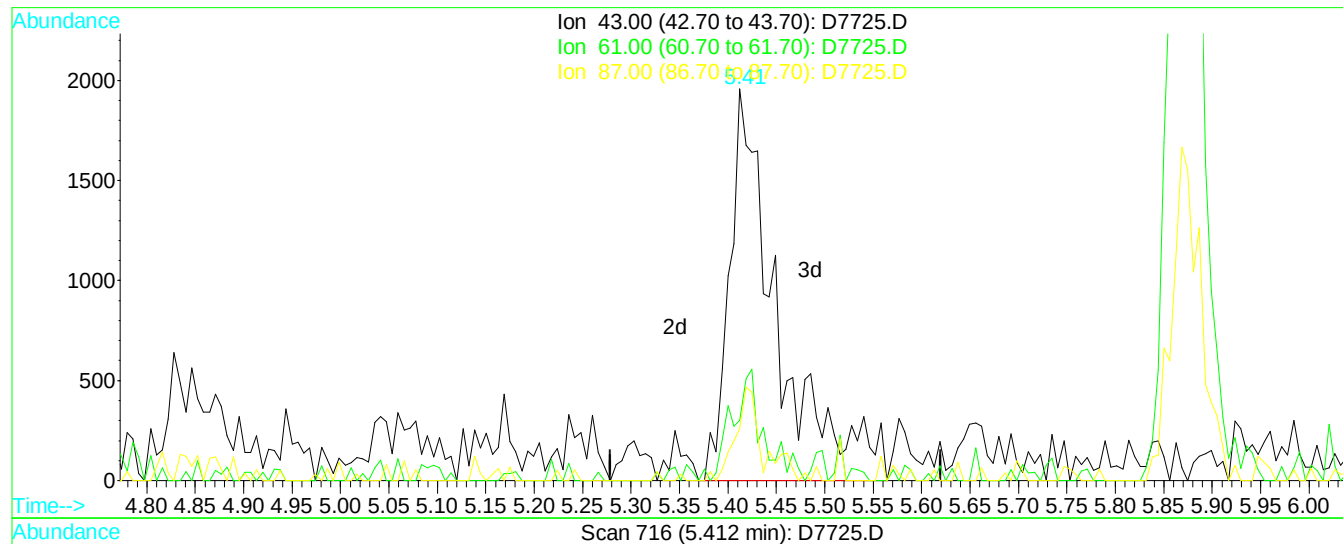
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Single Level Calibration



TIC: D7725.D

(50) Isopropyl Acetate

Manual Integration:

5.41min 2.04ug/L m

After

response 6737

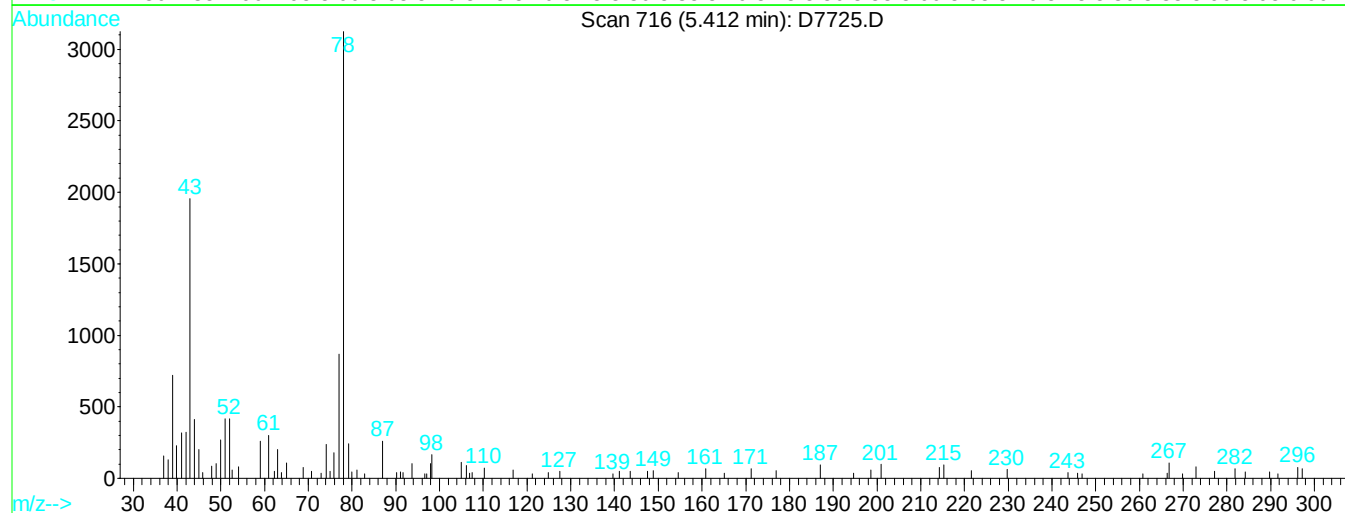
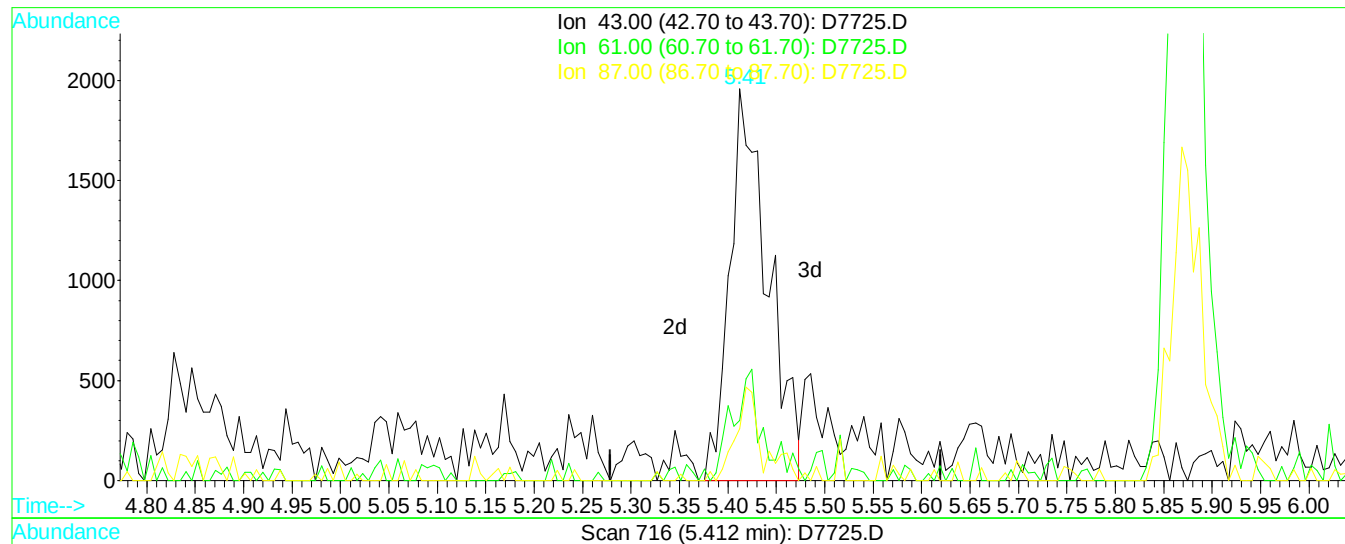
Split Peak.

Ion	Exp%	Act%
43.00	100	100
61.00	19.40	15.38
87.00	12.70	13.29
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:16 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Single Level Calibration



TIC: D7725.D

(50) Isopropyl Acetate

Manual Integration:

5.41min 1.62ug/L

Before

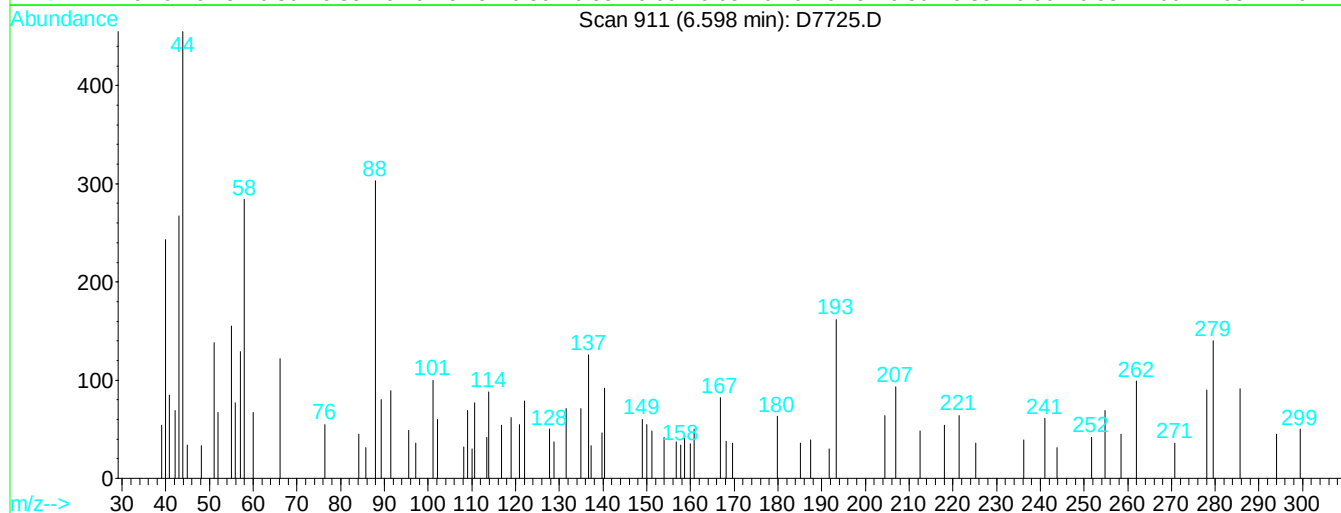
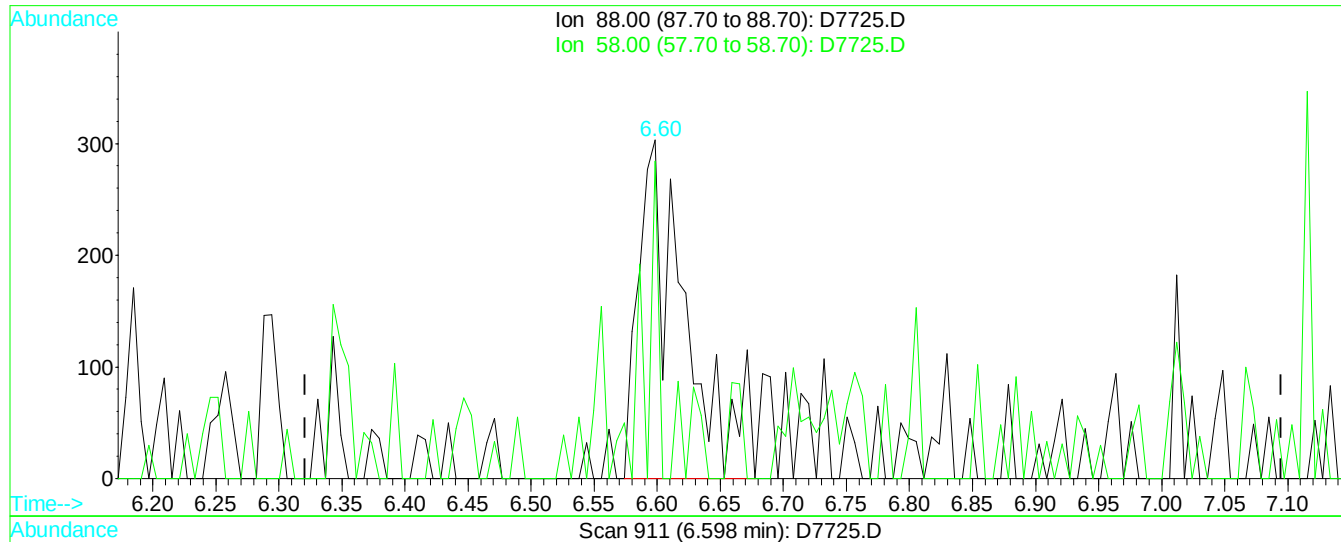
response 5341

Ion	Exp%	Act%
43.00	100	100
61.00	19.40	15.38
87.00	12.70	13.29
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:18 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Single Level Calibration



TIC: D7725.D

(56) 1,4-Dioxane

Manual Integration:

6.60min 45.00ug/L m

After

response 779

Peak not found.

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	93.73#
0.00	0.00	0.00
0.00	0.00	0.00

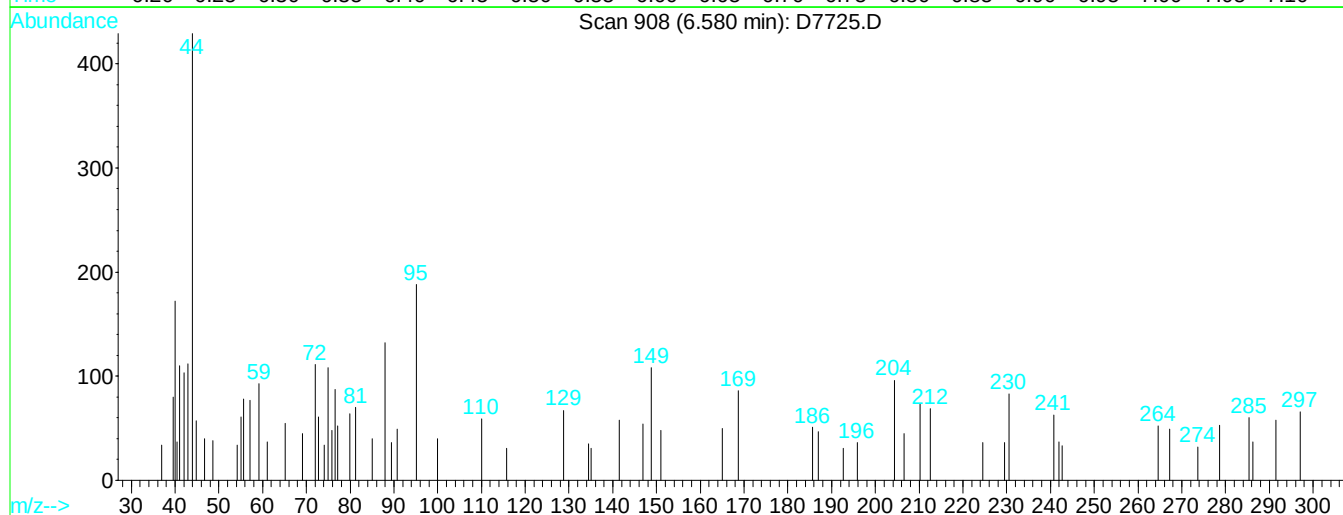
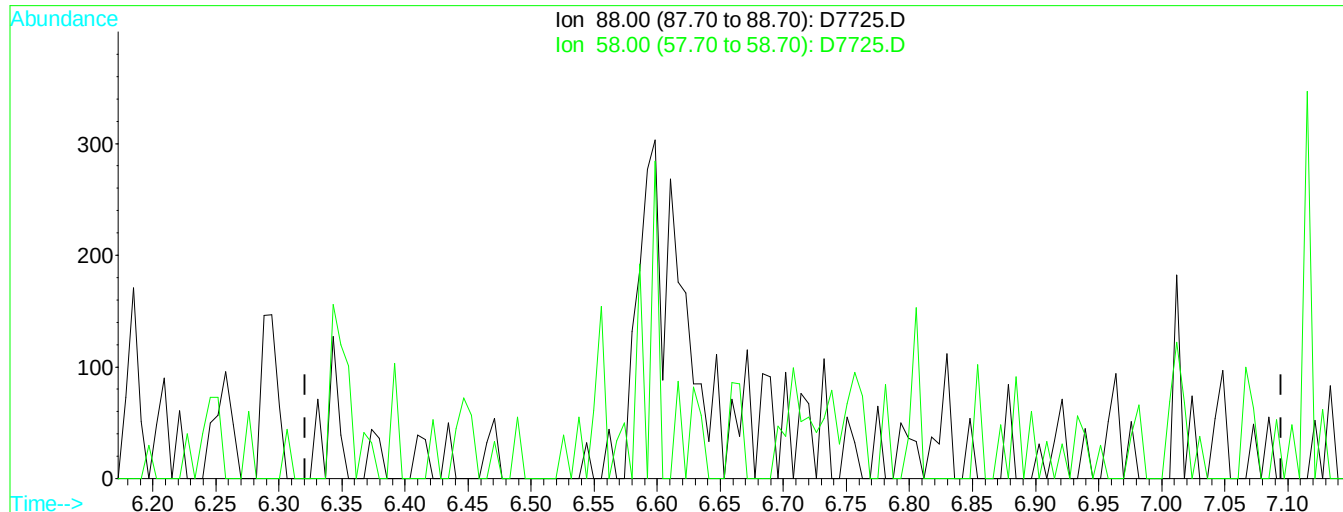
08/25/17

Quantitation Report (Qedit)

1st *DL* 08/25/17
2nd *FJ* 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:17 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Single Level Calibration



TIC: D7725.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 0.00ug/L

Before

response 0

Ion	Exp%	Act%
88.00	100	0.00
58.00	49.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:18 2017

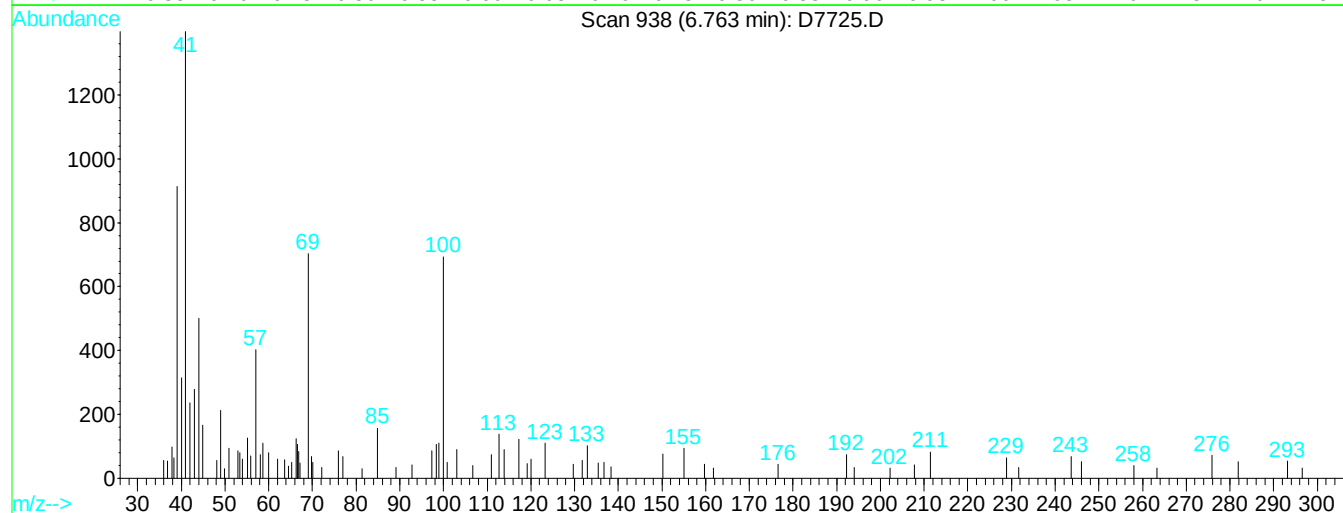
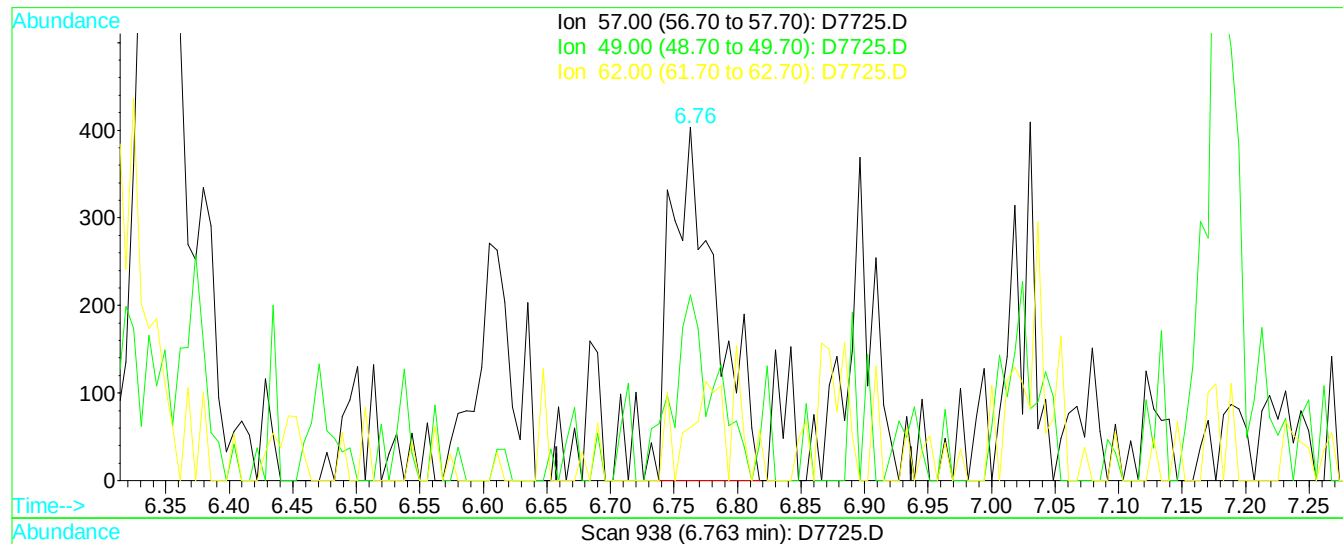
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(57) Epichlorohydrin

Manual Integration:

6.76min 7.14ug/L m

After

response 996

Split Peak.

Ion	Exp%	Act%
57.00	100	100
49.00	34.00	52.61
62.00	23.60	15.14
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:18 2017

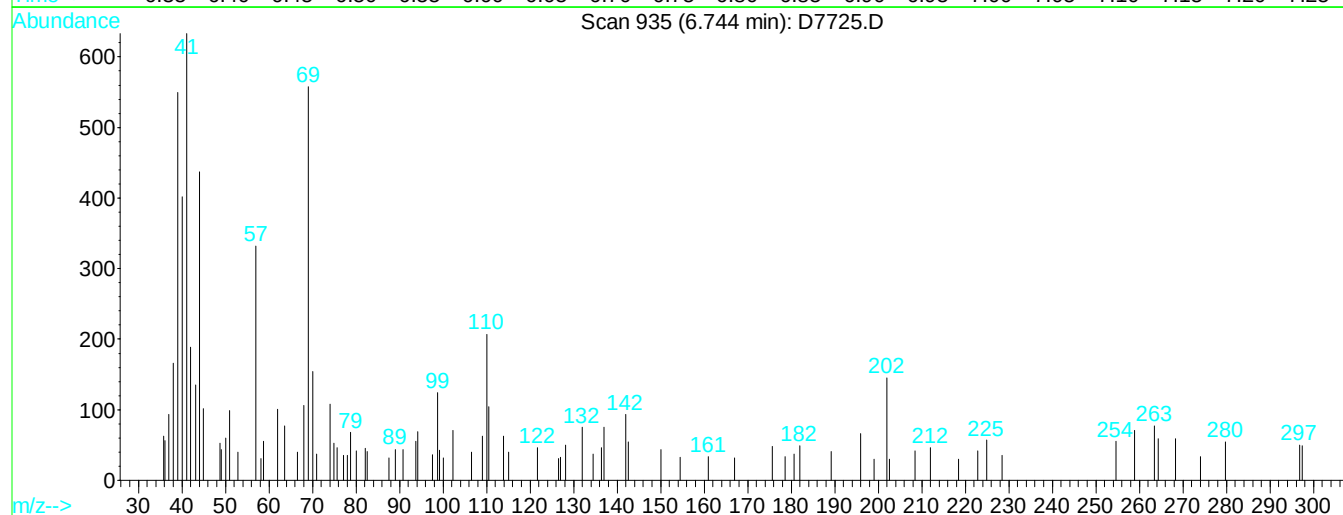
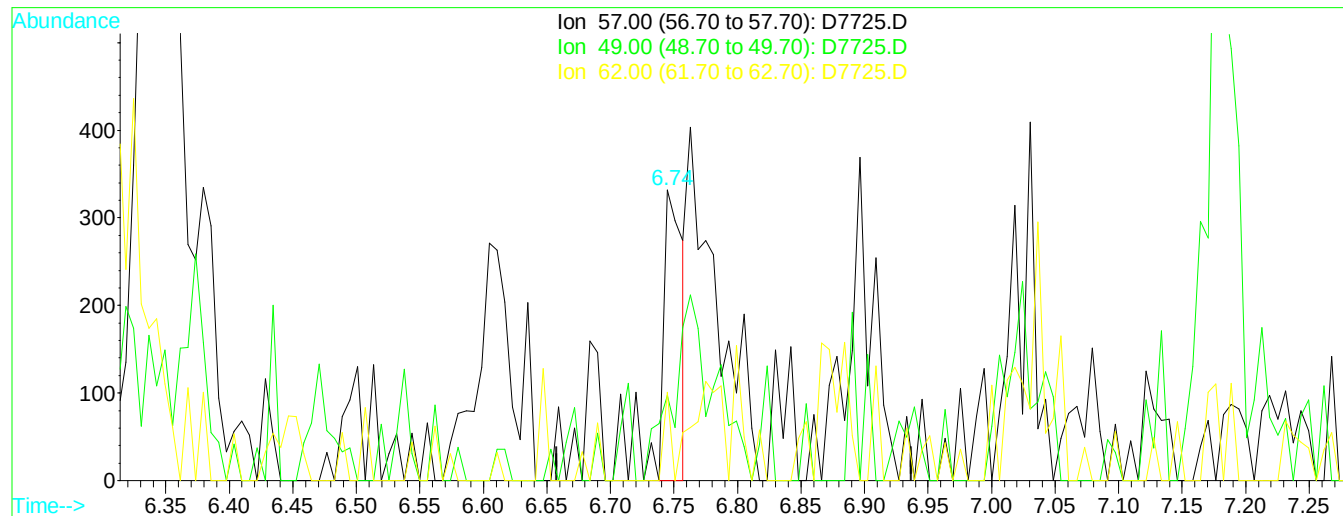
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(57) Epichlorohydrin

Manual Integration:

6.74min 2.36ug/L

Before

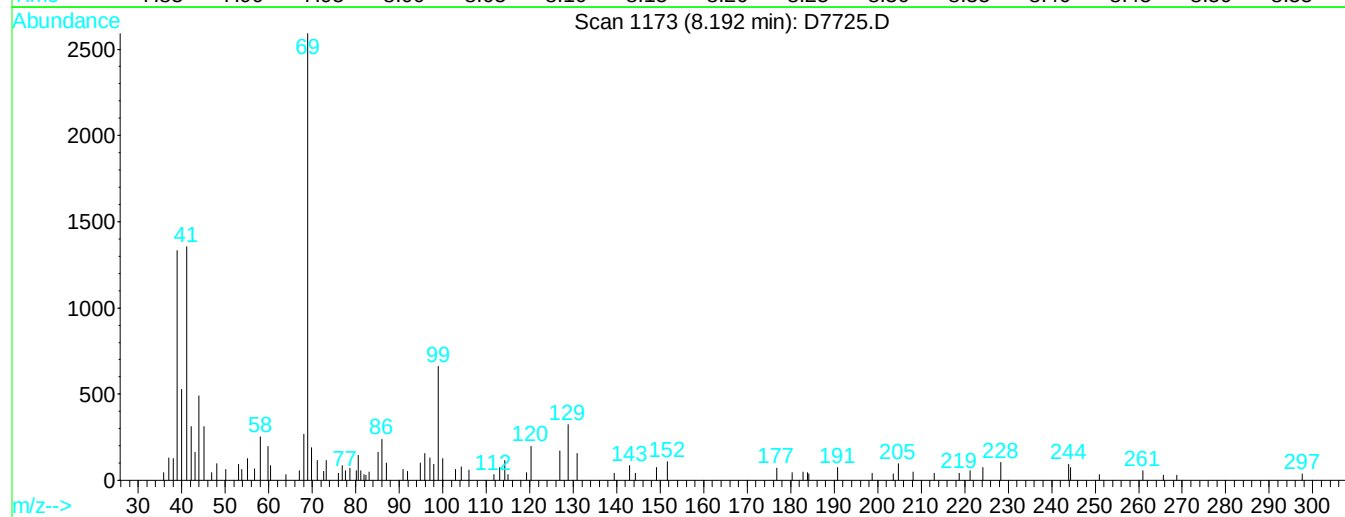
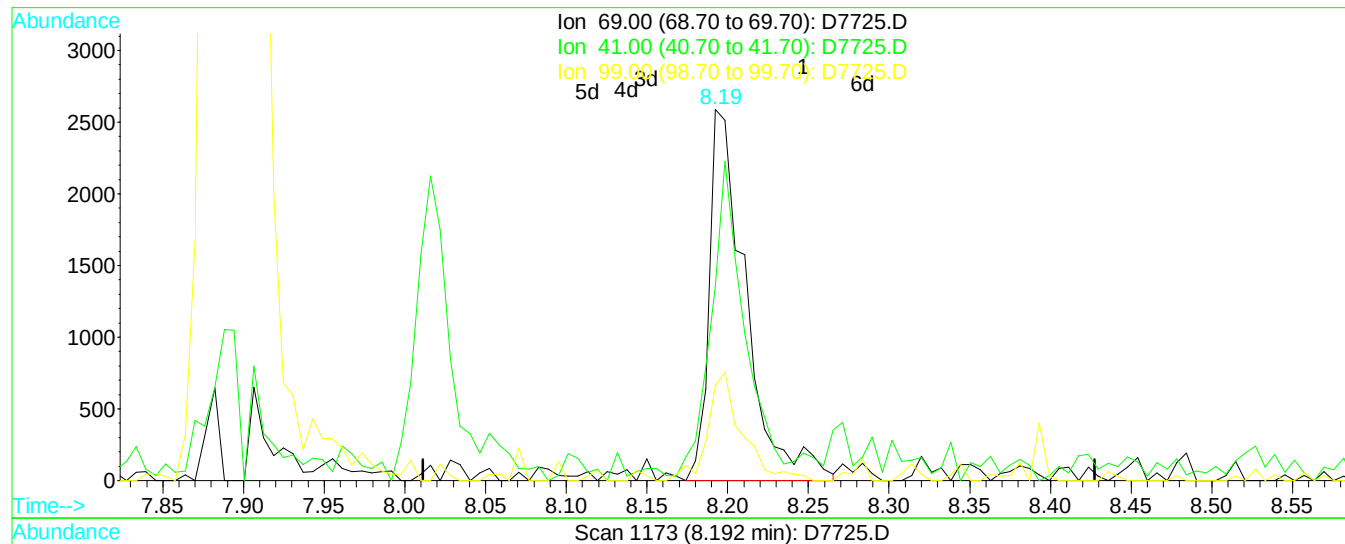
response 330

Ion	Exp%	Act%
57.00	100	100
49.00	34.00	29.22
62.00	23.60	30.42
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:19 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(69) Ethyl Methacrylate

Manual Integration:

8.19min 1.80ug/L m

After

response 4100

Split Peak.

Ion Exp% Act%

08/25/17

69.00 100 100

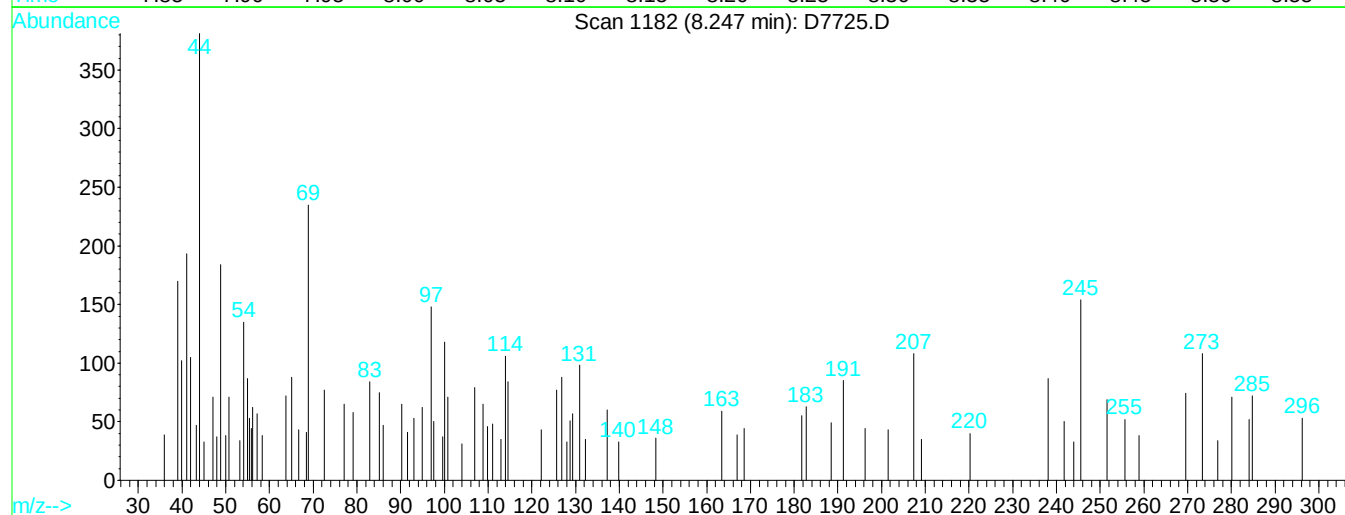
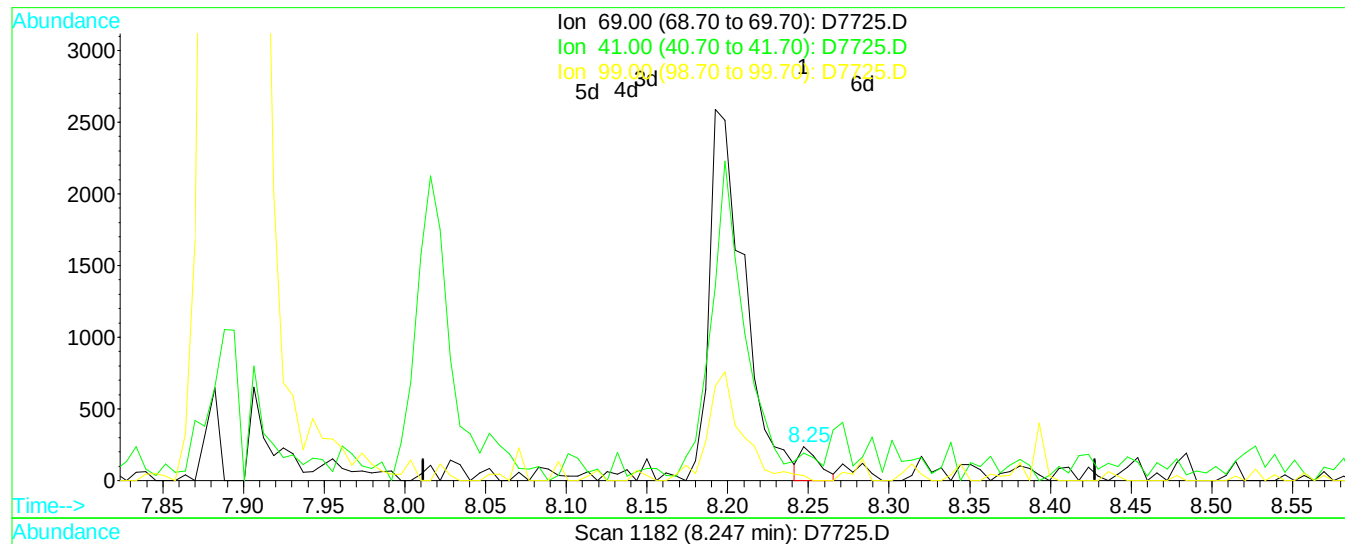
41.00 76.30 52.34#

99.00 24.30 25.47

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:18 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(69) Ethyl Methacrylate

Manual Integration:

8.25min 0.09ug/L

Before

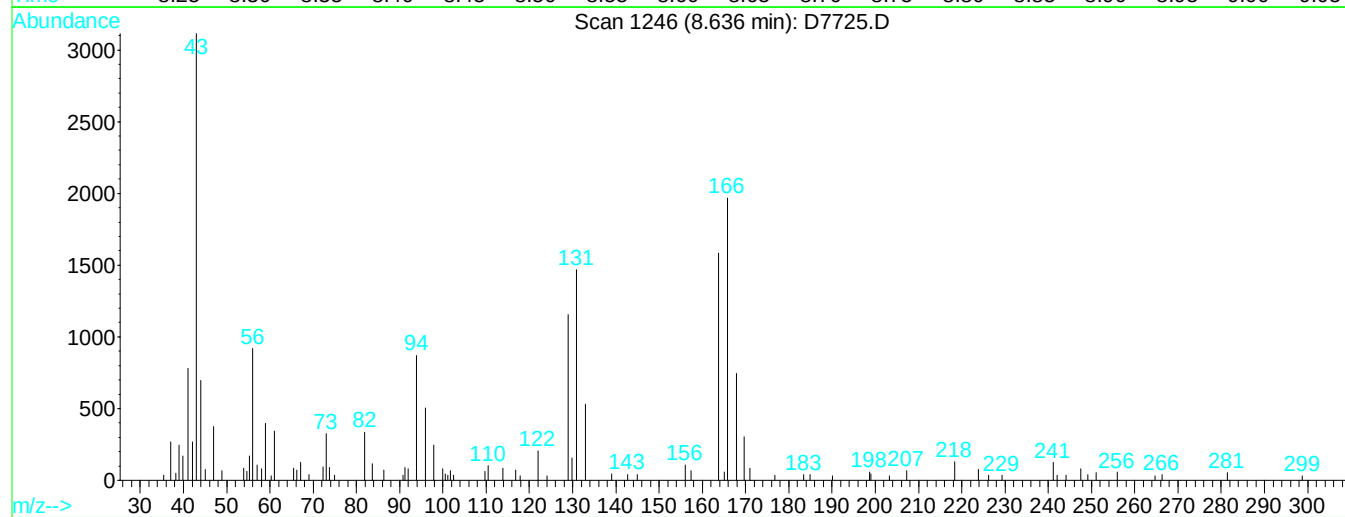
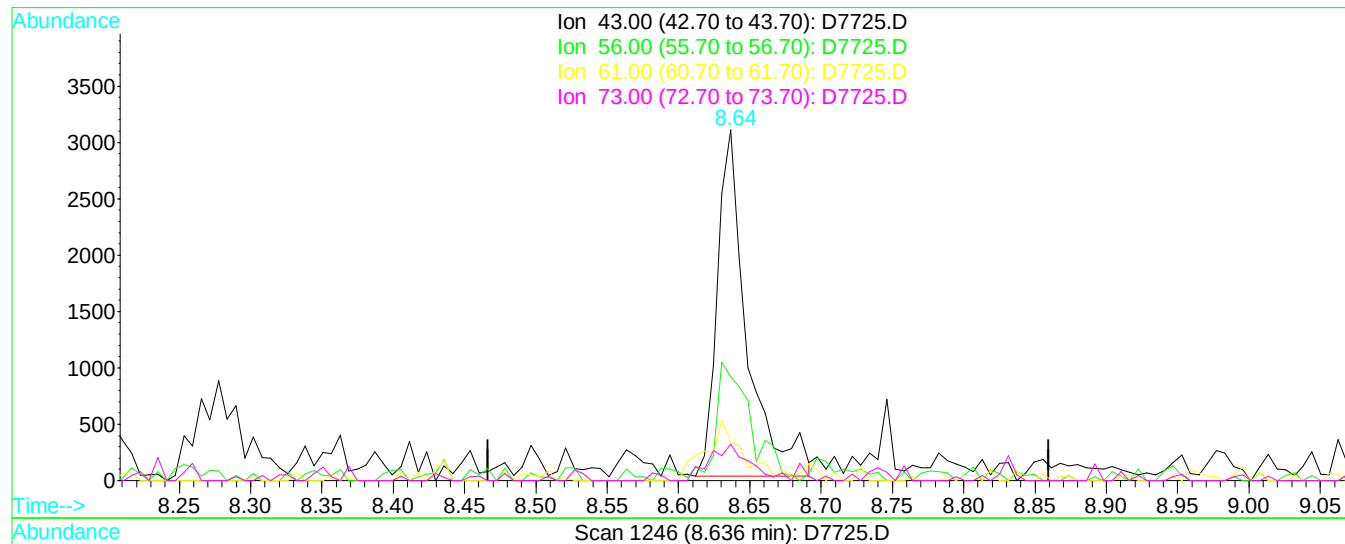
response 195

08/25/17

Ion	Exp%	Act%
69.00	100	100
41.00	76.30	82.13
99.00	24.30	15.74
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:20 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(73) n-Butyl Acetate

8.64min 1.72ug/L m

response 4451

Ion	Exp%	Act%
43.00	100	100
56.00	38.90	28.44
61.00	21.20	0.00#
73.00	15.20	0.00

Manual Integration:

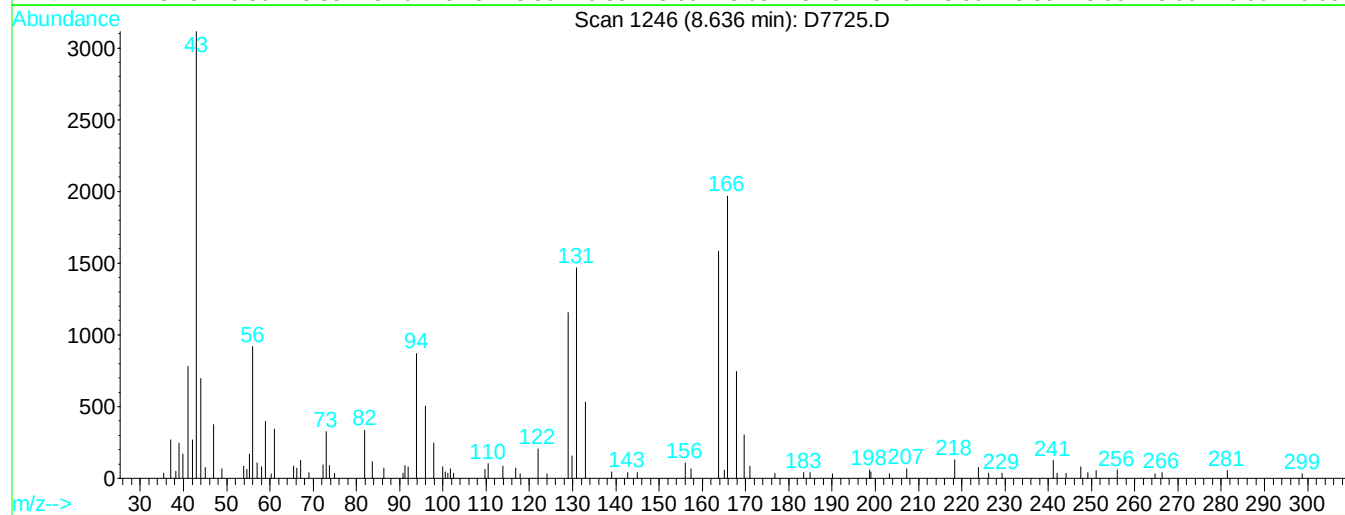
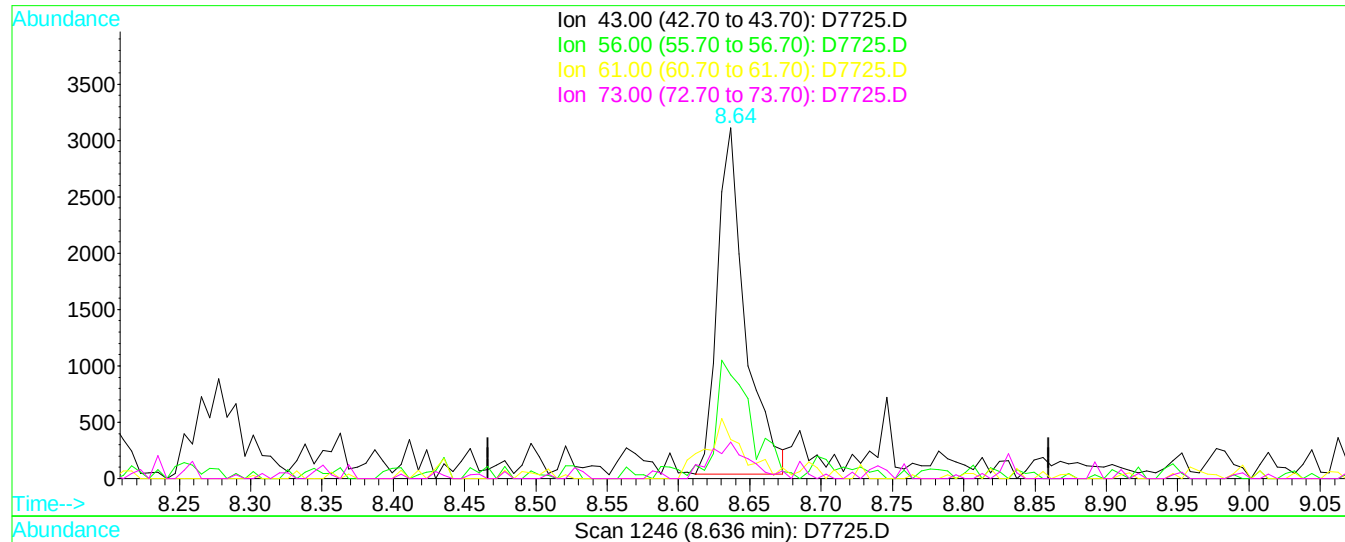
After

Split Peak.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:19 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(73) n-Butyl Acetate

Manual Integration:

8.64min 1.61ug/L

Before

response 4170

Ion	Exp%	Act%
43.00	100	100
56.00	38.90	30.36
61.00	21.20	0.00#
73.00	15.20	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:21 2017

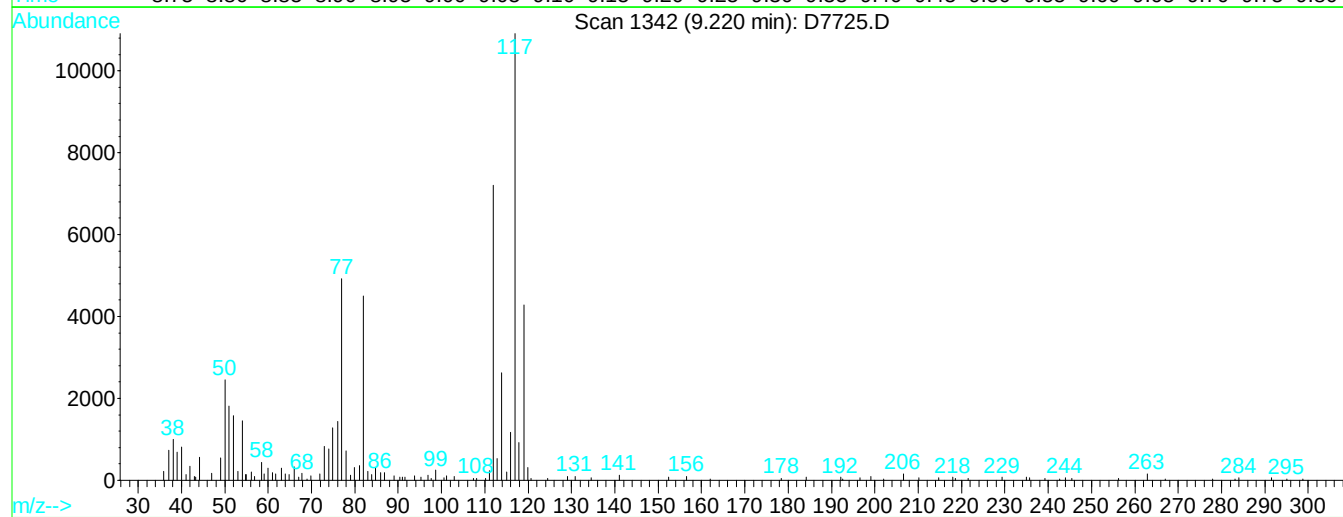
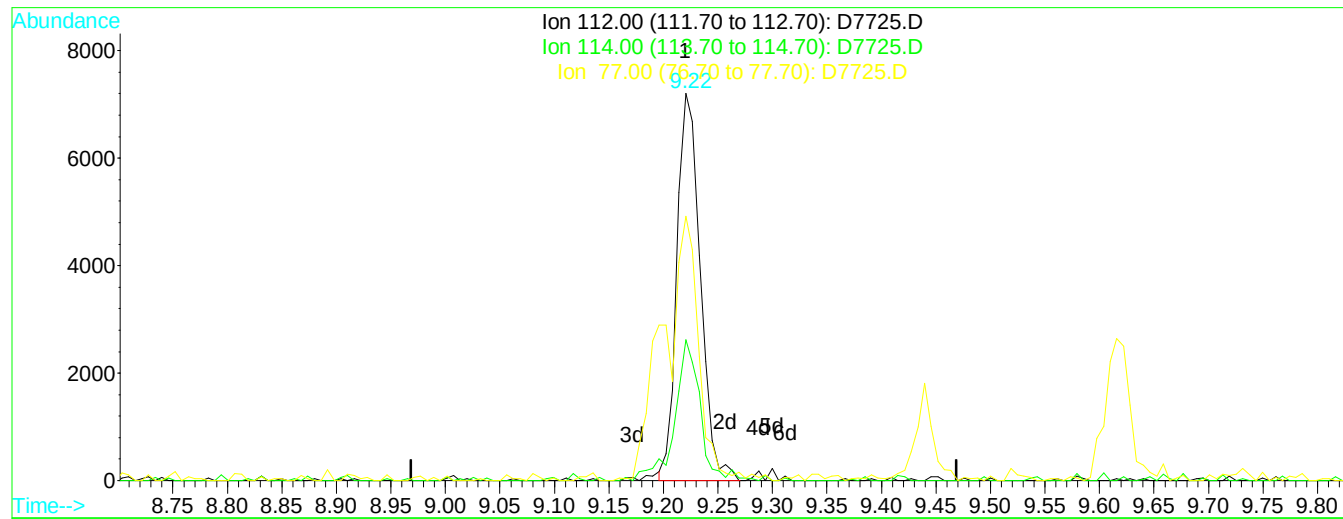
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(76) Chlorobenzene (P)

Manual Integration:

9.22min 2.02ug/L m

After

response 10700

Poor integration.

Ion	Exp%	Act%

08/25/17

112.00	100	100

114.00	34.20	33.65

77.00	56.20	56.90

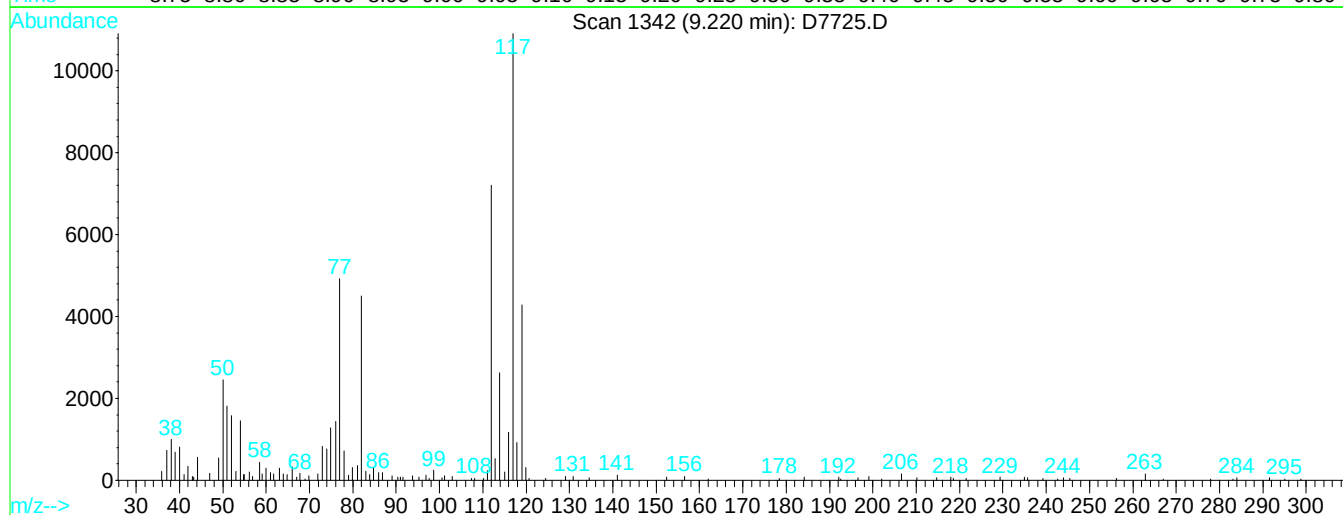
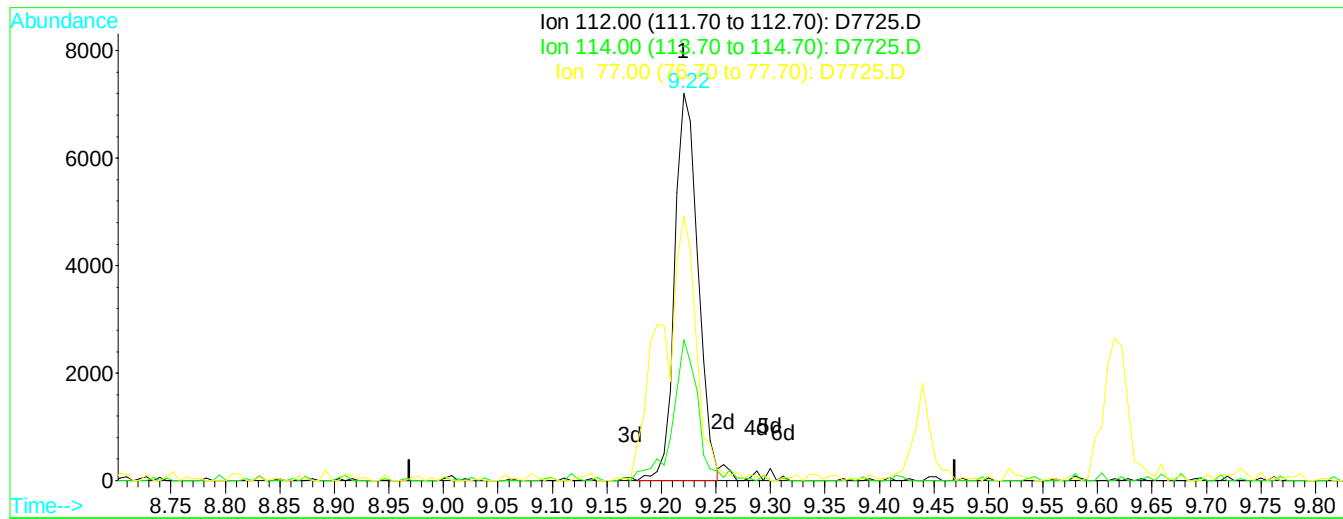
0.00	0.00	0.00

Quantitation Report (Qedit)

1st *DL* 08/25/17
2nd *FJ* 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:20 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(76) Chlorobenzene (P)

Manual Integration:

9.22min 2.01ug/L

Before

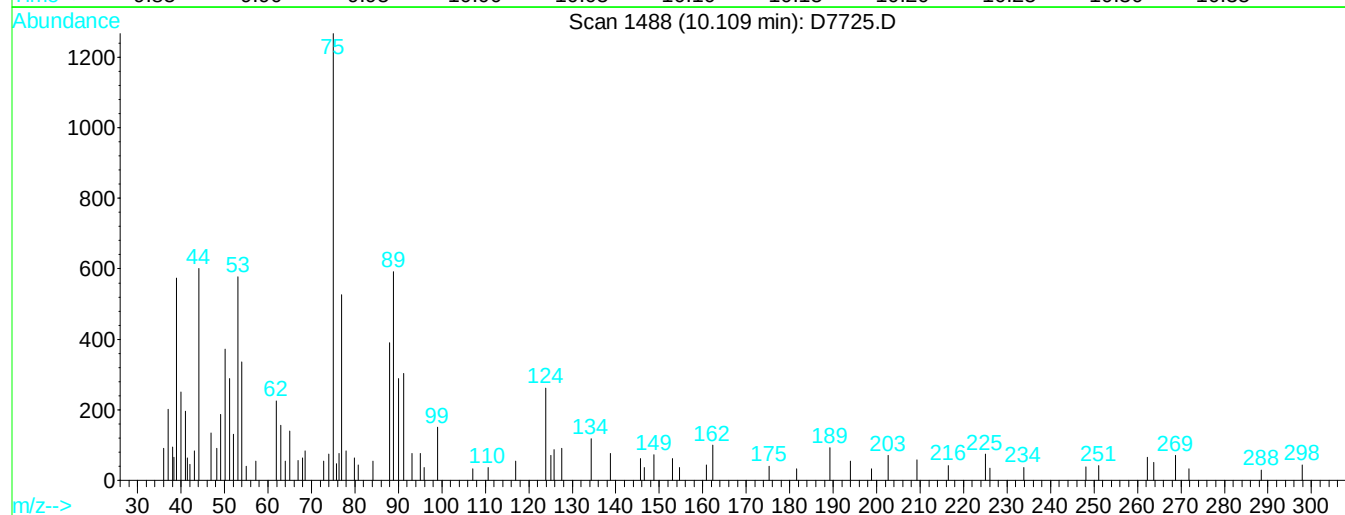
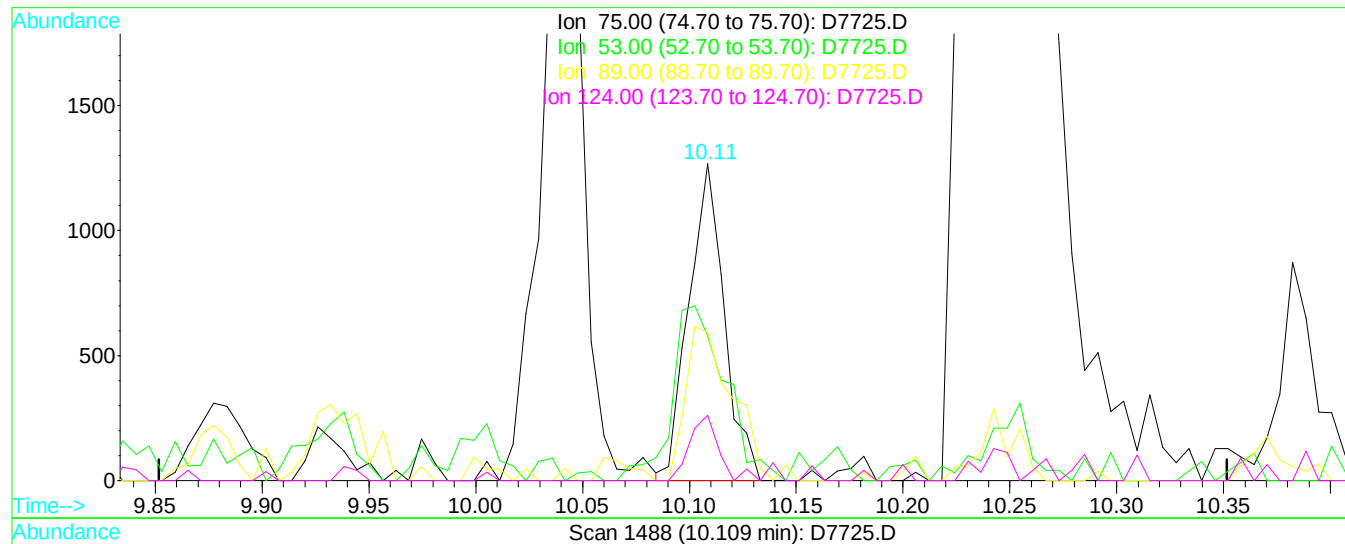
response 10647

08/25/17

Ion	Exp%	Act%
112.00	100	100
114.00	34.20	33.82
77.00	56.20	57.18
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:21 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Multiple Level Calibration



TIC: D7725.D

(84) trans-1,4-Dichloro-2-Butene

Manual Integration:

10.11min 1.86ug/L m

After

response 1456

Peak not found.

Ion	Exp%	Act%
75.00	100	100
53.00	82.70	45.62#
89.00	54.40	46.72
124.00	18.70	20.68

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:21 2017

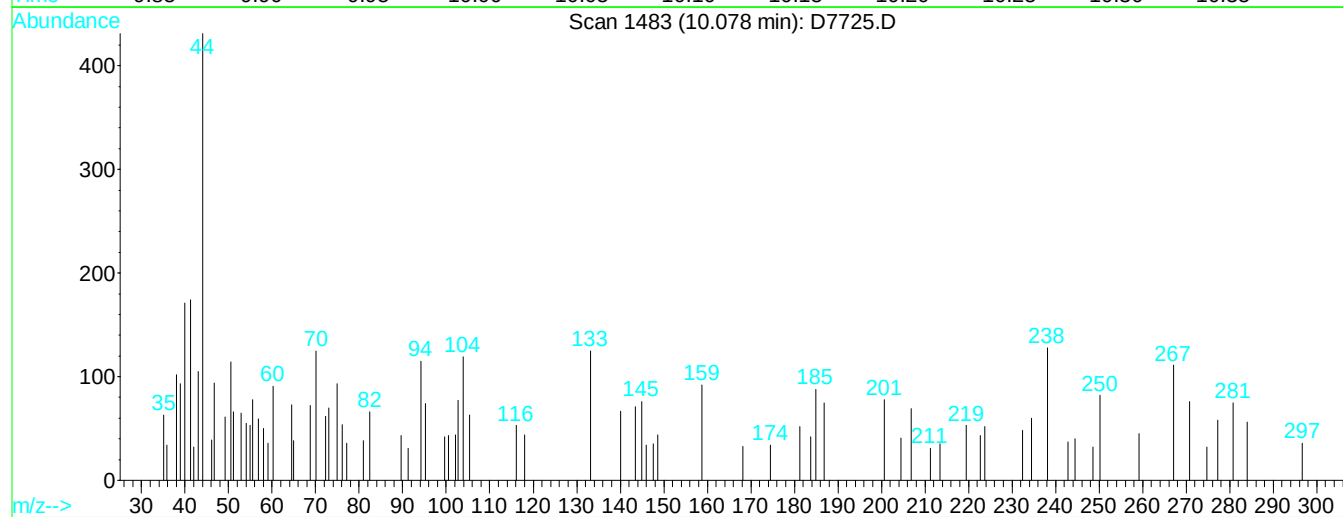
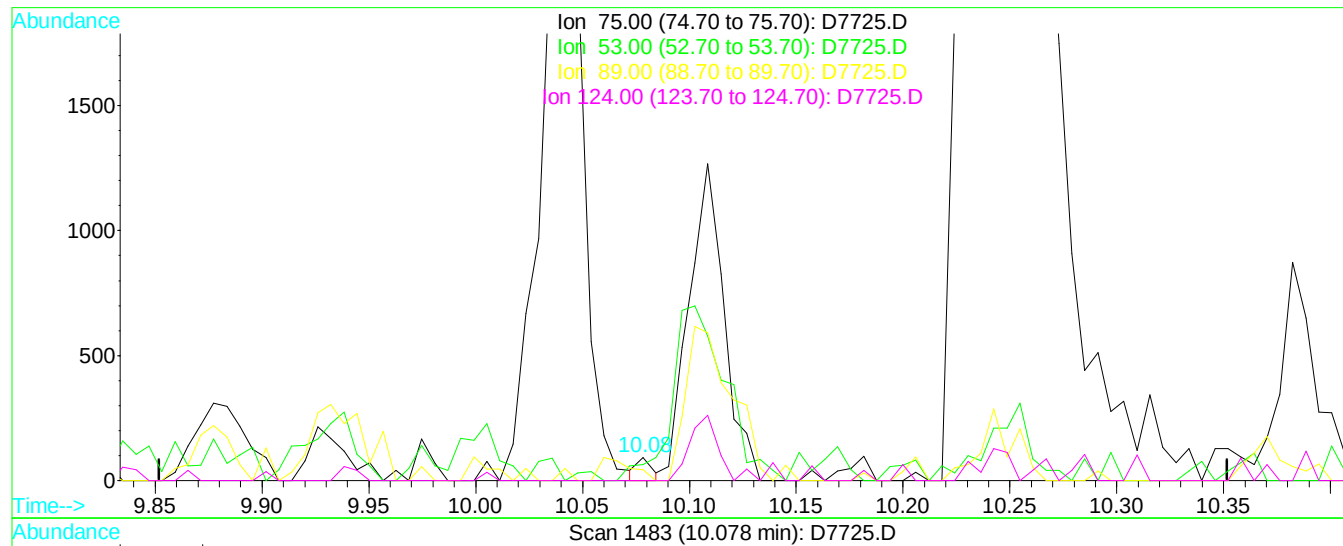
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Multiple Level Calibration



TIC: D7725.D

(84) trans-1,4-Dichloro-2-Butene

Manual Integration:

10.08min 0.06ug/L

Before

response 45

Ion	Exp%	Act%
75.00	100	100
53.00	82.70	69.89
89.00	54.40	46.24
124.00	18.70	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:22 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	265836	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	345578	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	167666	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	179011	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	150543	60.74	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	121.48%#
43) surr1,1,2-dichloroethane-d	4.47	65	166883	62.16	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	124.32%
65) SURR3,Toluene-d8	7.89	98	446717	63.83	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	127.66%#
86) SURR2,BFB	10.25	95	179452	57.14	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	114.28%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	8888	2.24	ug/L	94
3) Chloromethane	1.18	50	5784	2.20	ug/L	94
4) Vinyl Chloride	1.26	62	7056m	2.16	ug/L	
5) Bromomethane	1.44	94	3967m	2.03	ug/L	
6) Chloroethane	1.51	64	3639	2.29	ug/L	97
7) Freon 21	1.53	67	10801	2.24	ug/L	97
8) Freon 123	1.71	83	6306	2.10	ug/L	91
9) Freon 123a	1.73	67	4944	2.06	ug/L	88
10) Acrolein	1.79	56	1949	9.27	ug/L	88
11) Trichlorofluoromethane	1.79	101	8407	2.32	ug/L	89
12) Acetonitrile	1.80	41	1234m	8.51	ug/L	
13) 2-Propanol	1.84	45	3717	37.36	ug/L	97
14) Acetone	1.86	43	1065	2.08	ug/L	94
15) Diethyl Ether	1.93	59	2669	2.10	ug/L	# 71
16) 1,1-Dicethene	2.09	96	3864	2.11	ug/L	# 84
17) Iodomethane	2.11	142	5227	1.76	ug/L	90
18) TBA	2.13	59	6326m	36.81	ug/L	
19) Acrylonitrile	2.15	53	5341	9.69	ug/L	90
20) Methylene Chloride	2.20	84	3385m	1.74	ug/L	
21) Freon 113	2.24	101	4463	2.13	ug/L	87
22) Methyl Acetate	2.26	43	3021	1.84	ug/L	85
23) Allyl Chloride	2.25	76	1395	1.85	ug/L	# 73
24) Carbon Disulfide	2.31	76	12314	2.20	ug/L	97
25) trans-1,2-Dichloroethene	2.69	96	3670	1.88	ug/L	90
26) Methyl-t-Butyl Ether	2.81	73	10248	2.04	ug/L	89
27) 1,1-Dicethane	2.90	63	6402	2.15	ug/L	92
28) Propionitrile	2.95	54	2209	11.12	ug/L	73
29) Vinyl Acetate	3.11	43	6320m	1.79	ug/L	
30) 2-Chloro-1,3-Butadiene	3.26	53	5218m	1.99	ug/L	
31) 2-Butanone	3.40	43	1639	2.46	ug/L	77
32) Methacrylonitrile	3.46	67	1137m	1.76	ug/L	
33) cis-1,2-Dichloroethene	3.47	96	4241	2.04	ug/L	95
34) Bromochloromethane	3.64	128	2379	2.01	ug/L	85
35) Chloroform	3.72	83	7601	2.14	ug/L	83
36) 2,2-Dichloropropane	3.79	77	6977	2.16	ug/L	86
37) Ethyl Acetate	3.84	43	5055m	3.57	ug/L	
39) 1,1,1-Trichloroethane	4.73	97	6964	2.02	ug/L	89
44) 1,2-Dichloroethane	4.58	64	2194m	2.32	ug/L	
45) 2-Methyl-1,3-Dioxolane	4.86	73	2376m	10.37	ug/L	

(#)=qualifier out of range (m)=manual integration

D7725.D W082417.M Fri Aug 25 10:22:15 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D

Vial: 8

Acq On : 24 Aug 2017 10:53 am

Operator: D.Lipani

Sample : STD #3 - 2.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:22 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:05:39 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) 1,1-Dichloropropene	5.08	75	5037m	2.01	ug/L	
47) Cyclohexane	5.16	56	5352	2.08	ug/L	98
48) Carbontetrachloride	5.30	119	5550	1.99	ug/L	87
49) Benzene	5.39	78	14224	2.10	ug/L	90
50) Isopropyl Acetate	5.41	43	6737m	2.04	ug/L	
51) Dibromomethane	6.18	93	2806	1.96	ug/L	94
52) 1,2-Dichloropropane	6.24	63	3591	2.08	ug/L	87
53) n-Heptane	6.35	43	4002	2.13	ug/L	87
54) Trichloroethene	6.32	130	4256	1.90	ug/L	90
55) Bromodichloromethane	6.37	83	5374	2.01	ug/L	94
56) 1,4-Dioxane	6.60	88	779m	45.00	ug/L	
57) Epichlorohydrin	6.76	57	996m	7.14	ug/L	
58) Methyl Methacrylate	6.76	69	2135	1.83	ug/L #	78
59) Methylcyclohexane	6.90	55	4045	1.92	ug/L	96
60) 2-Chloroethylvinyl Ether	7.04	63	2080	1.92	ug/L	88
61) cis-1,3-Dichloropropene	7.18	75	6191	2.06	ug/L	95
62) 4-Methyl-2-pentanone	7.38	43	2718	1.75	ug/L #	45
63) trans-1,3-Dichloropropene	7.66	75	5376	1.91	ug/L	98
64) 1,1,2-Trichloroethane	7.77	97	3510	2.06	ug/L	95
66) Toluene	7.96	91	16459	2.14	ug/L	97
68) 1,3-Dichloropropane	8.02	76	5163	1.84	ug/L	86
69) Ethyl Methacrylate	8.19	69	4100m	1.80	ug/L	
70) Dibromochloromethane	8.21	129	4550	1.97	ug/L	95
71) 2-Hexanone	8.28	43	1924	1.72	ug/L	93
72) 1,2-Dibromoethane	8.43	107	4043	2.00	ug/L	94
73) n-Butyl Acetate	8.64	43	4451m	1.72	ug/L	
74) Tetrachloroethene	8.62	164	4114	2.06	ug/L	93
75) 1,1,1,2-Tetrachloroethane	9.17	131	4455	2.13	ug/L	87
76) Chlorobenzene	9.22	112	10700m	2.02	ug/L	
77) Ethylbenzene	9.44	106	5350	1.92	ug/L #	82
78) Bromoform	9.62	173	2709	1.75	ug/L	92
79) (m+p)Xylene	9.62	106	13616	3.89	ug/L #	85
80) o-Xylene	9.93	106	6620	1.97	ug/L #	84
81) Cyclohexanone	9.85	55	2652	41.16	ug/L	85
82) Styrene	9.88	104	10758	2.00	ug/L	97
83) Amyl Acetate	9.99	43	5983	1.70	ug/L	89
84) trans-1,4-Dichloro-2-Buten	10.11	75	1456m	1.86	ug/L	
85) Isopropylbenzene	10.25	105	18420	2.15	ug/L	93
88) 1,1,2,2-Tetrachloroethane	9.93	83	4743	2.22	ug/L	91
89) 1,2,3-Trichloropropane	10.04	75	3641	2.26	ug/L	97
90) Bromobenzene	10.39	156	5841	2.20	ug/L	98
91) n-Propylbenzene	10.61	91	21334	2.25	ug/L	95
92) 2-Chlorotoluene	10.65	91	11628	2.11	ug/L	92
93) 4-Chlorotoluene	10.72	91	12776	2.15	ug/L	95
94) 1,3,5-Trimethylbenzene	10.87	105	14089	2.14	ug/L	97
95) tert-Butylbenzene	11.06	119	12509	2.18	ug/L	94
96) 1,2,4-Trimethylbenzene	11.17	105	15175	2.15	ug/L	90
97) sec-Butylbenzene	11.25	105	17538	2.15	ug/L	94
98) 1,3-Dichlorobenz	11.25	146	9848	2.18	ug/L	94
99) 1,4-Dichlorobenz	11.31	146	9860	2.16	ug/L #	72
100) p-Isopropyltoluene	11.41	119	15028	2.23	ug/L	95
101) 1,2-Dichlorobenz	11.58	146	9745	2.16	ug/L	92
102) n-Butylbenzene	11.73	91	13154	2.12	ug/L	93
103) 1,2-Dibromo-3-chloropropan	11.95	75	680	1.73	ug/L	91

(#)=qualifier out of range (m)=manual integration

D7725.D W082417.M Fri Aug 25 10:22:16 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7725.D Vial: 8
Acq On : 24 Aug 2017 10:53 am Operator: D.Lipani
Sample : STD #3 - 2.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:22 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) 1,2,4-Tcbenzene	13.02	180	6479	2.08	ug/L	94
106) Naphthalen	13.20	128	12468	2.12	ug/L	99
107) Hexachlorobt	13.29	225	3432	2.25	ug/L	93
108) 1,2,3-Tclbenzene	13.35	180	5838	2.18	ug/L	97

1st	<u>DL</u>	08/25/17
2nd	<u>FW</u>	08/26/17

Vial: 8
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQDATA\MSVOA6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:05:39 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:53 2017

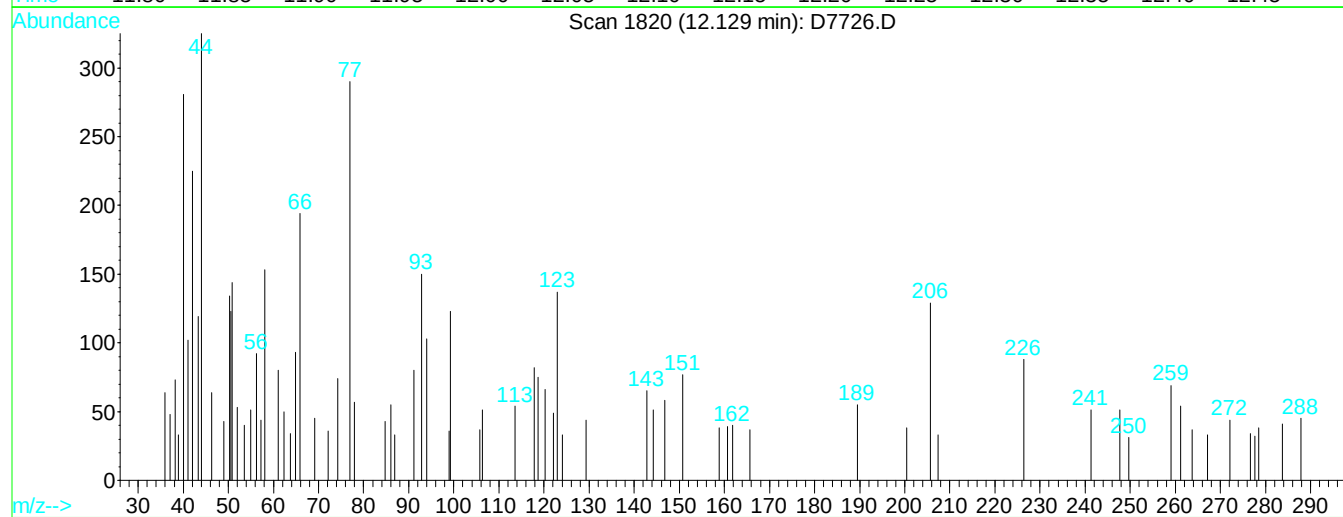
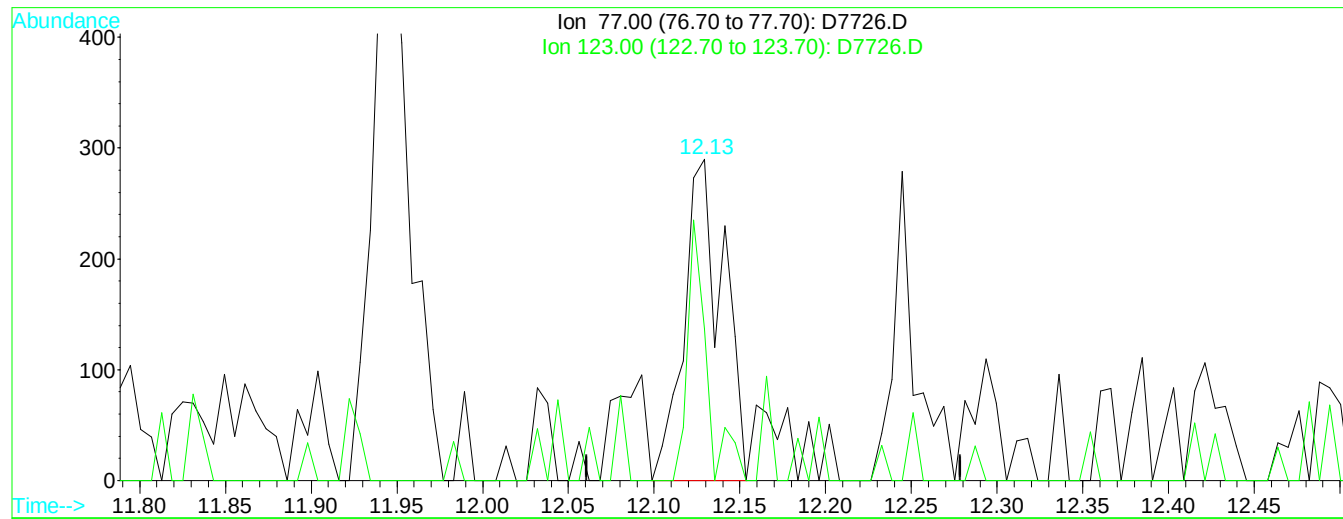
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(104) Nitrobenzene

Manual Integration:

12.13min 15.77ug/L m

After

response 460

Split Peak.

Ion	Exp%	Act%
77.00	100	100
123.00	44.60	47.24
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:52 2017

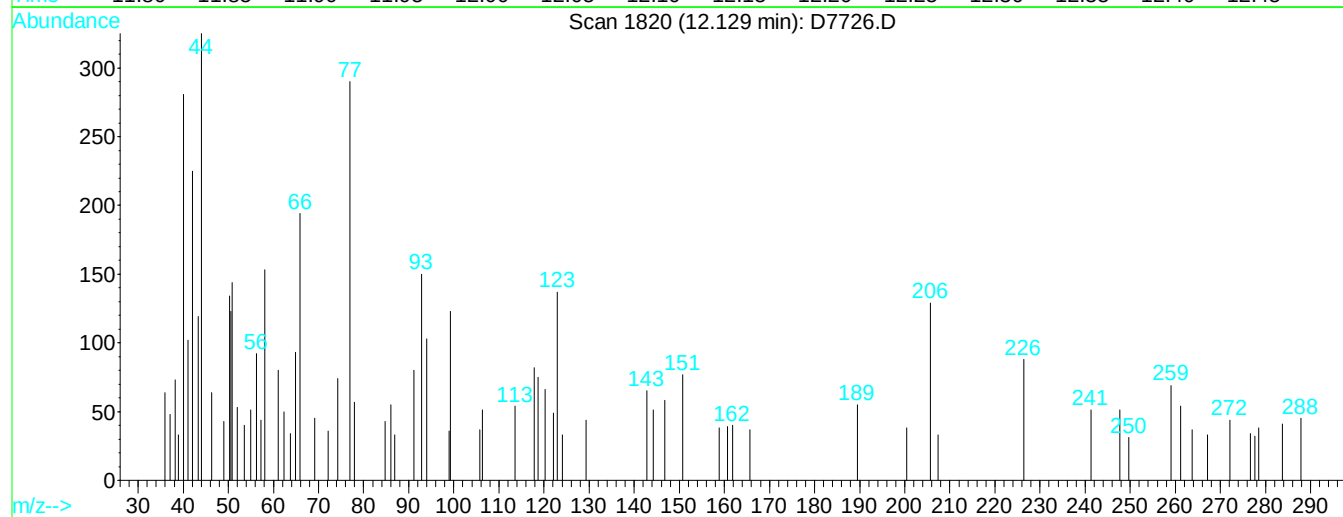
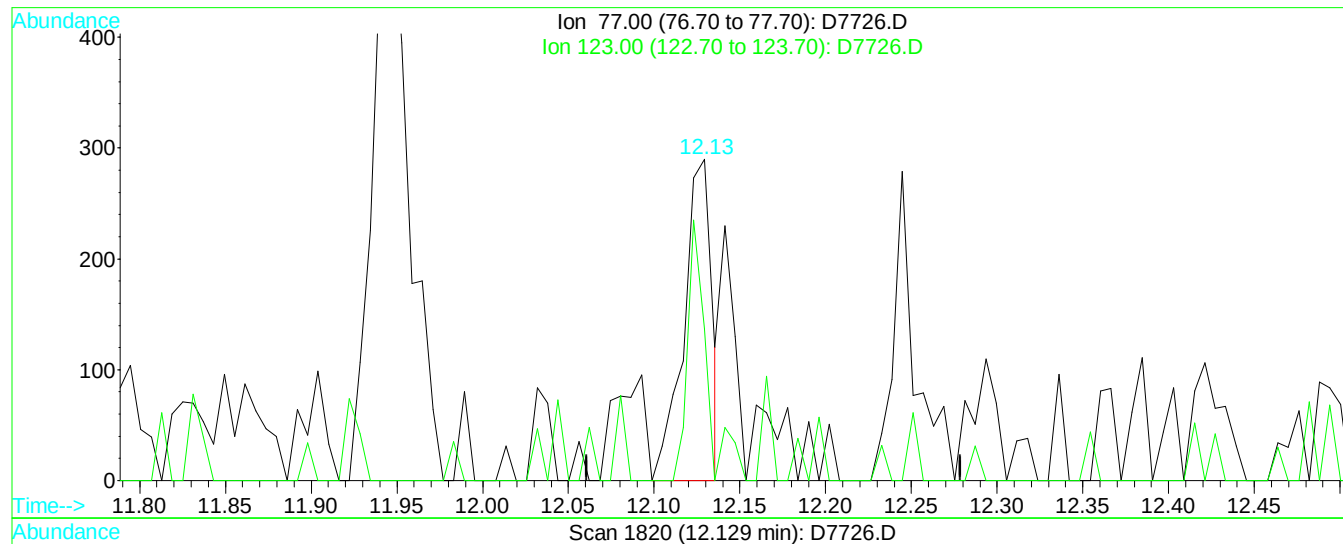
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(104) Nitrobenzene

Manual Integration:

12.13min 11.28ug/L

Before

response 329

Ion	Exp%	Act%

08/25/17

77.00	100	100

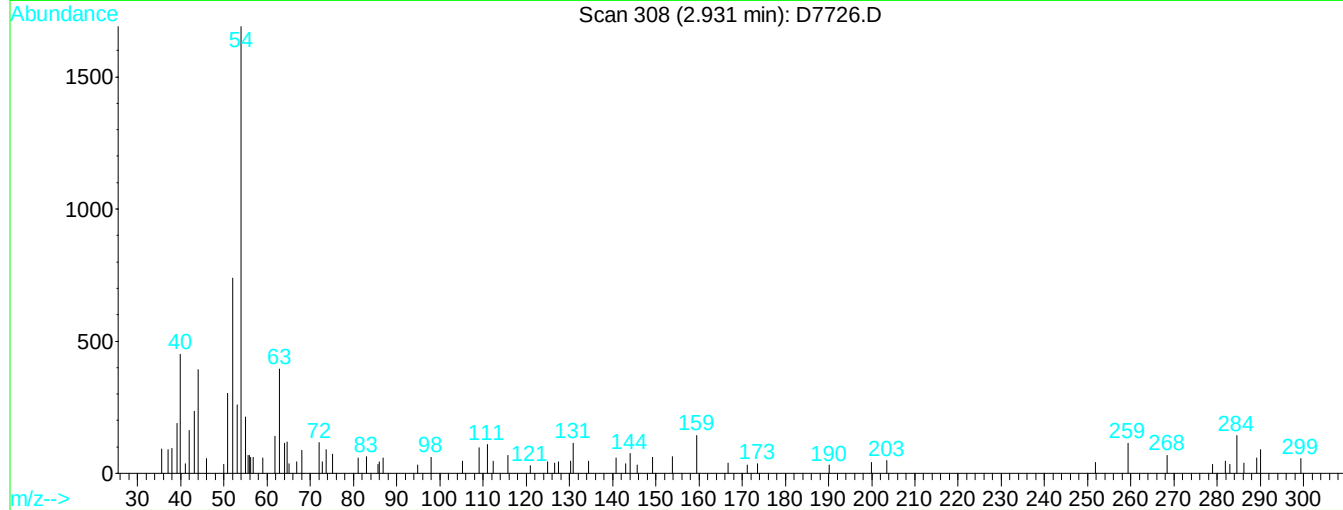
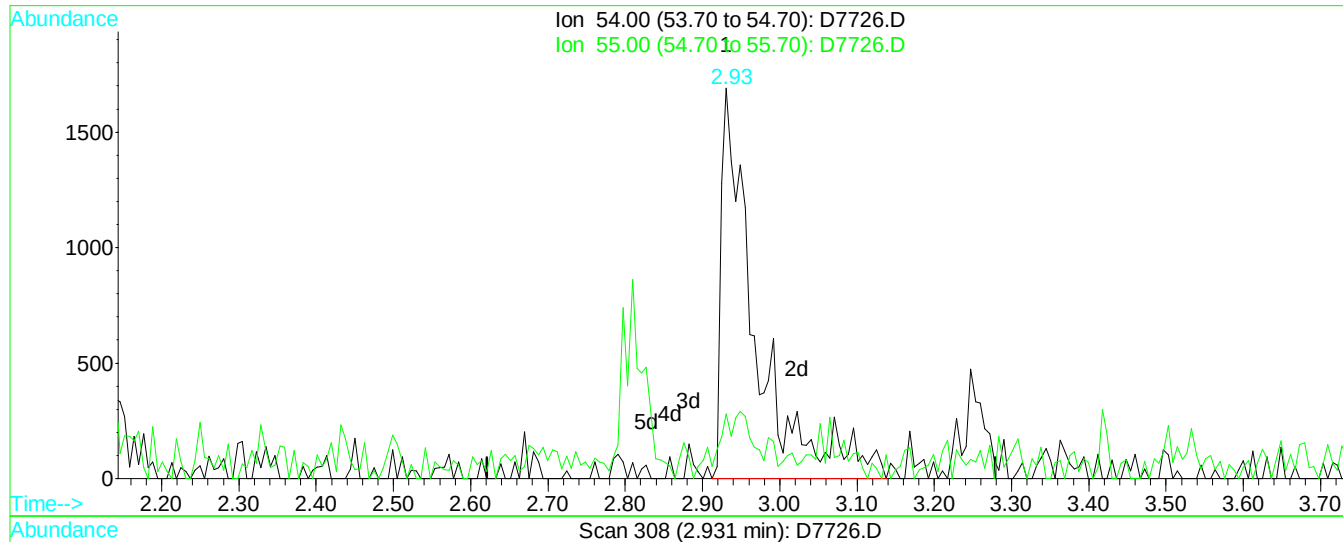
123.00	44.60	47.24

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:47 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Multiple Level Calibration



TIC: D7726.D

(28) Propionitrile

Manual Integration:

2.93min 25.57ug/L m

After

response 5242

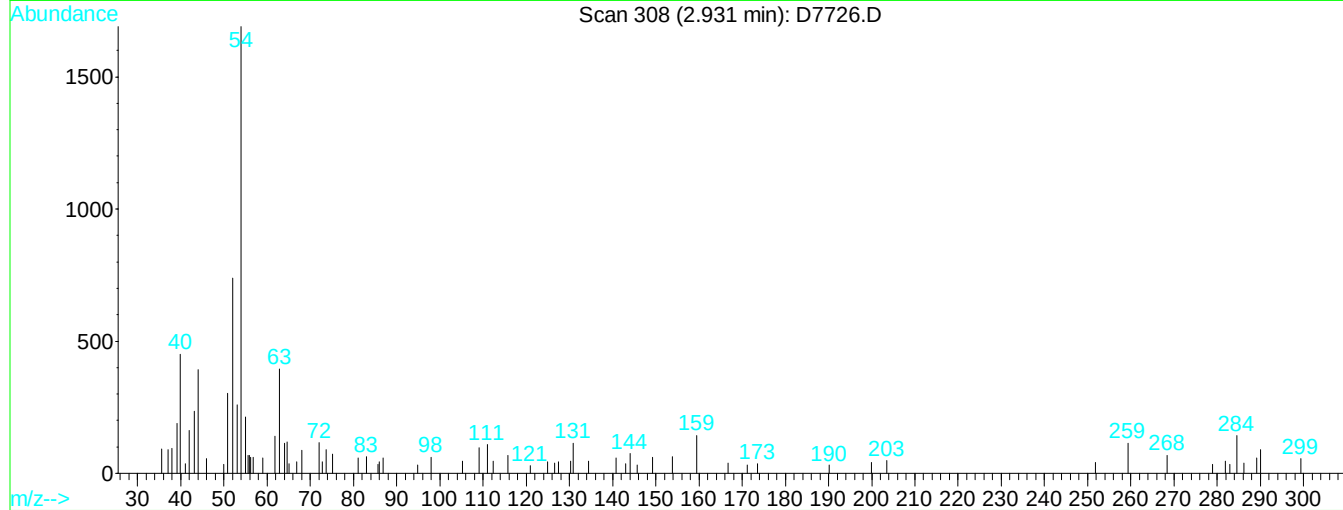
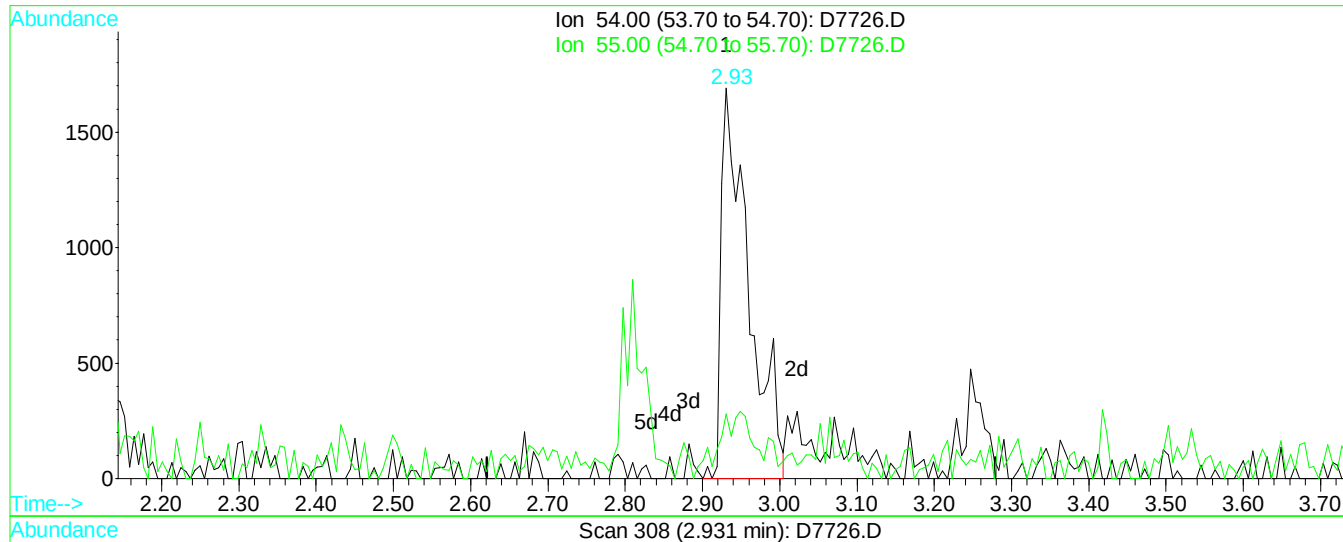
Split Peak.

08/25/17

Ion	Exp%	Act%
54.00	100	100
55.00	15.40	12.60
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:45 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Multiple Level Calibration



TIC: D7726.D

(28) Propionitrile

Manual Integration:

2.93min 20.45ug/L

Before

response 4192

Ion	Exp%	Act%
54.00	100	100
55.00	15.40	16.57
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:47 2017

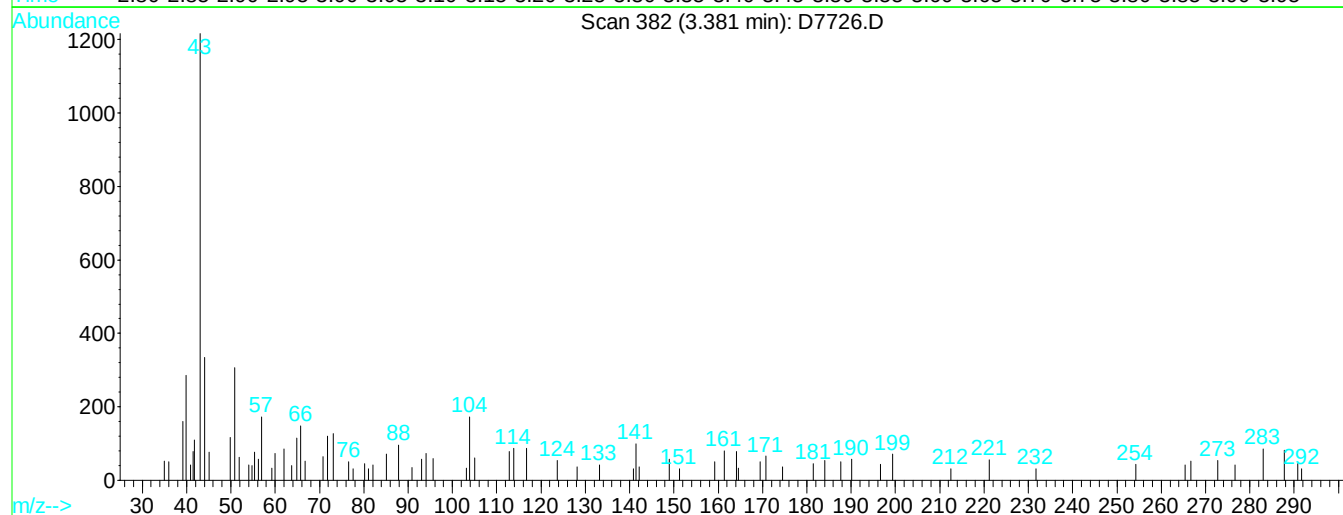
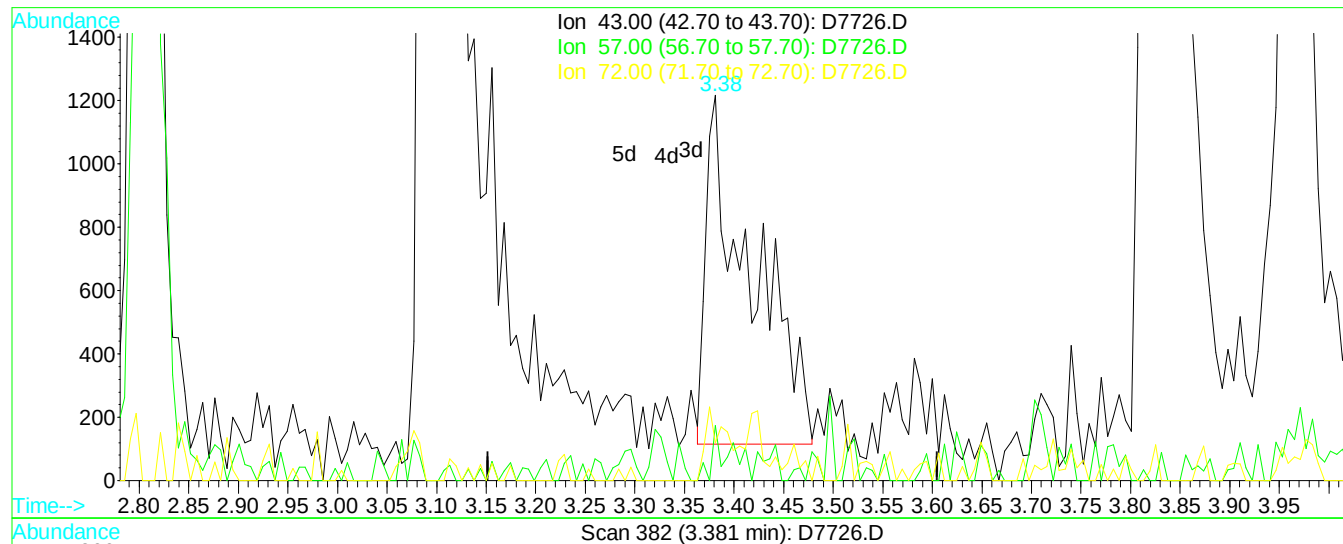
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(31) 2-Butanone (P)

Manual Integration:

3.38min 5.11ug/L m

After

response 3507

Split Peak.

Ion	Exp%	Act%
43.00	100	100
57.00	9.40	14.23
72.00	25.60	9.87
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:47 2017

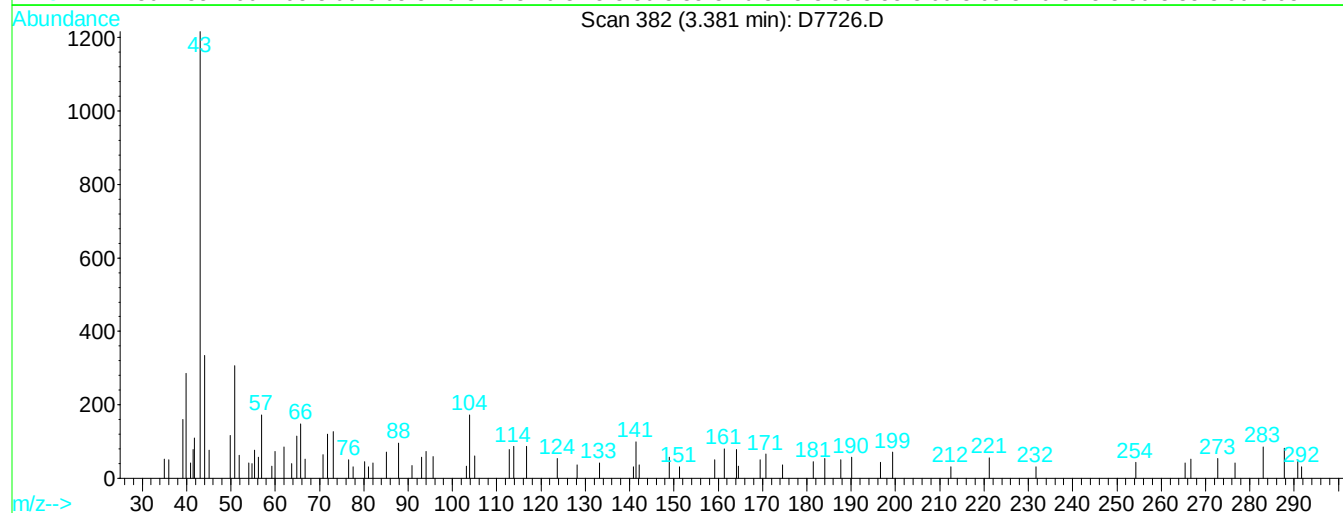
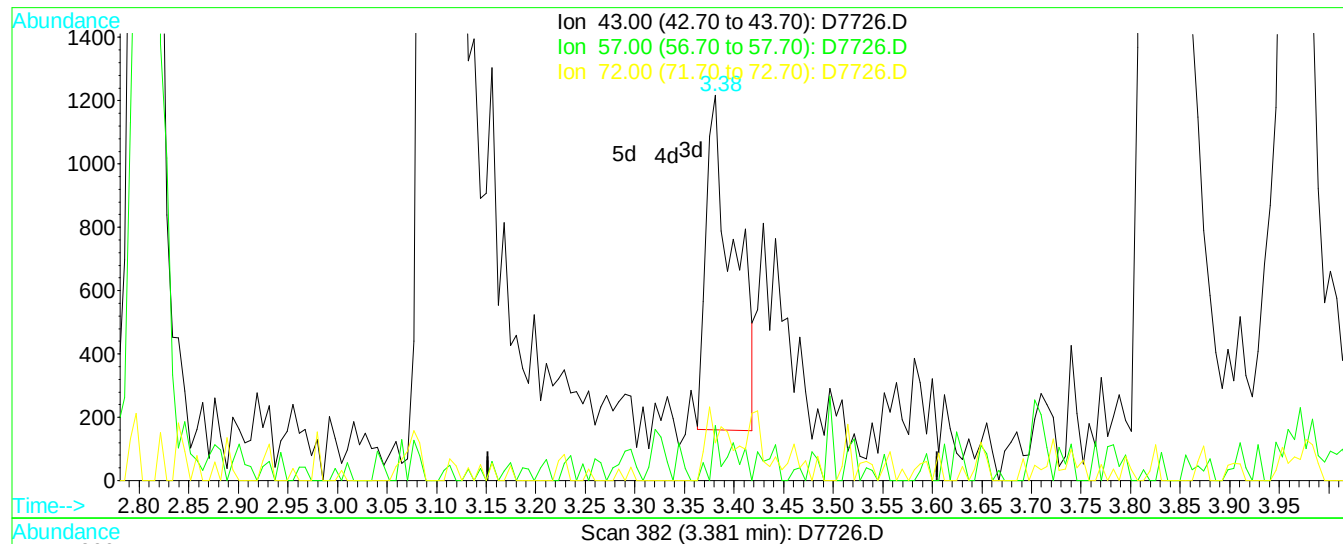
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(31) 2-Butanone (P)

Manual Integration:

3.38min 2.98ug/L

Before

response 2044

Ion	Exp%	Act%
43.00	100	100
57.00	9.40	14.23
72.00	25.60	9.87
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:48 2017

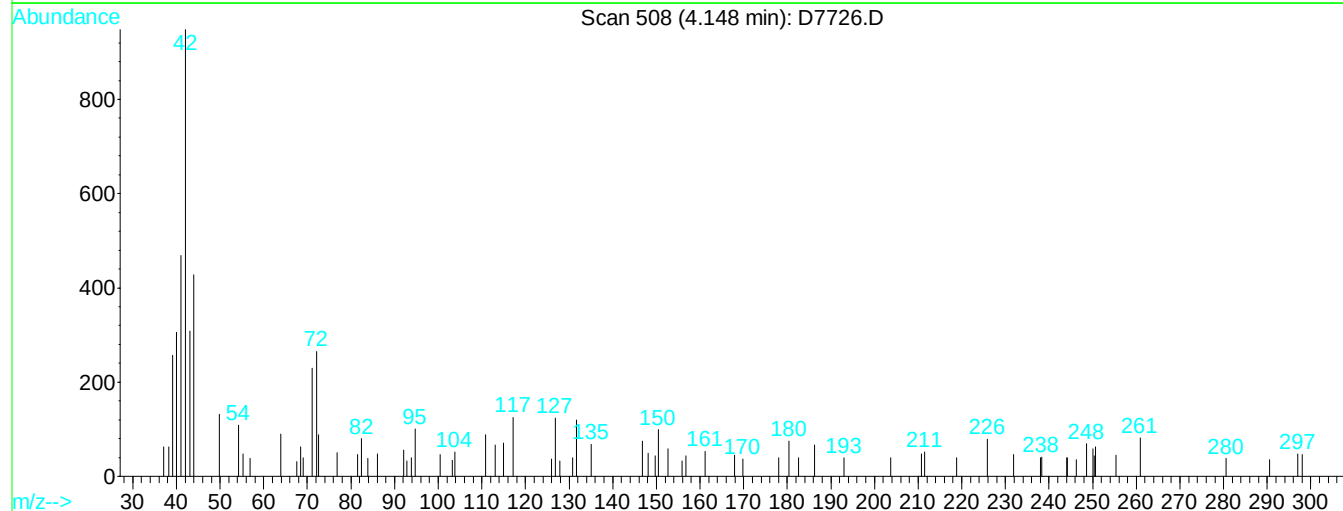
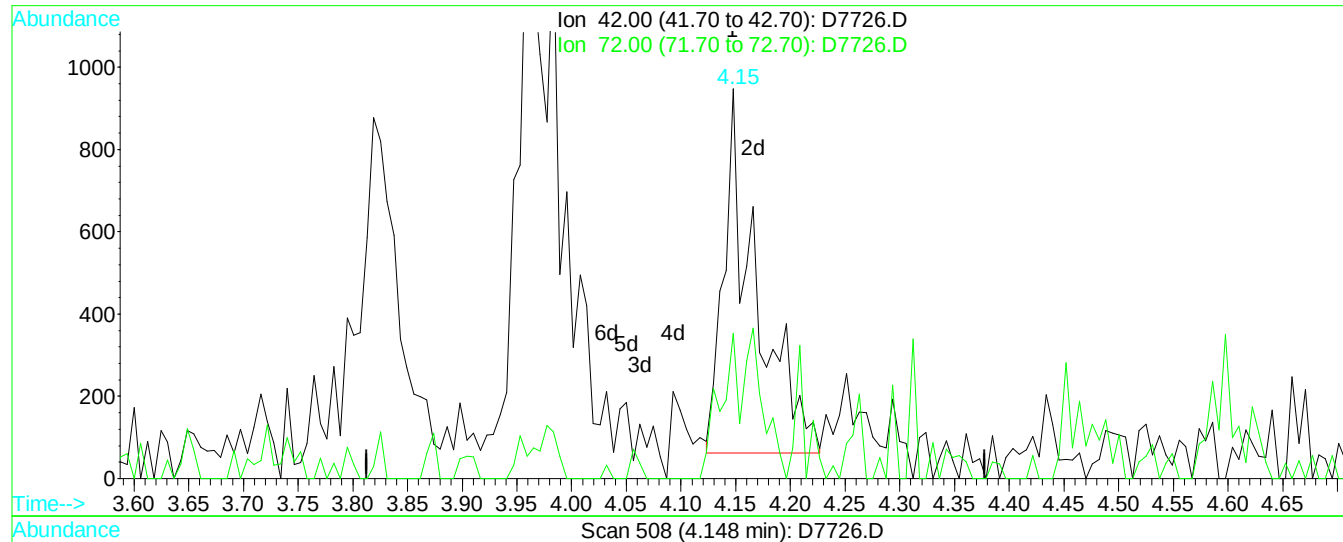
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(38) Tetrahydrofuran

Manual Integration:

4.15min 4.32ug/L m

After

response 1796

Split Peak.

Ion	Exp%	Act%
42.00	100	100
72.00	40.50	27.95
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:47 2017

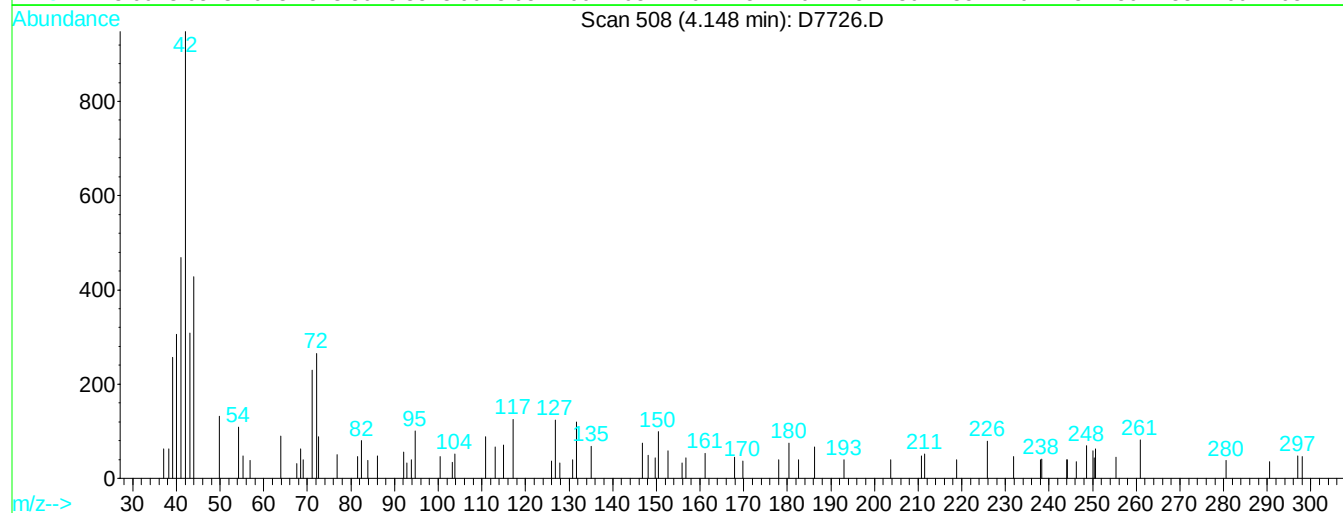
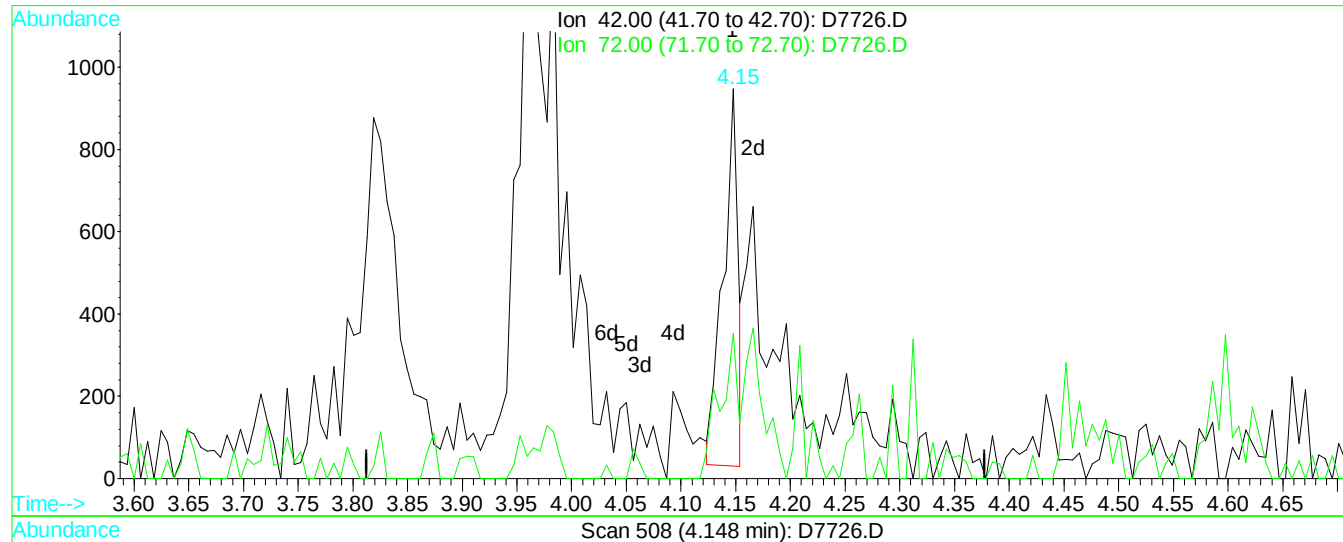
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(38) Tetrahydrofuran

Manual Integration:

4.15min 2.11ug/L

Before

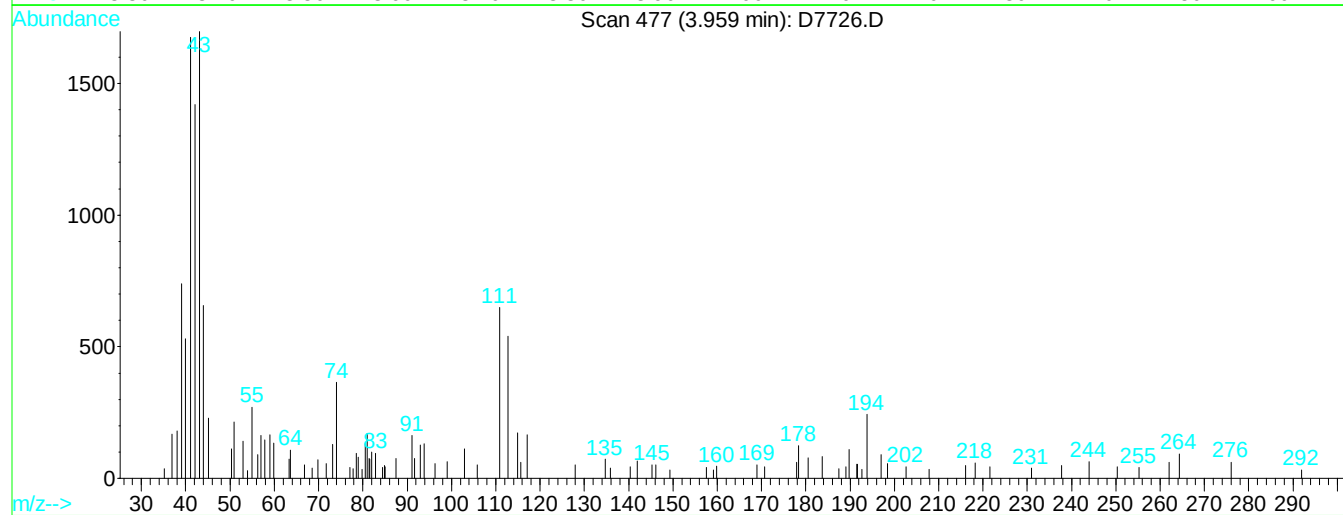
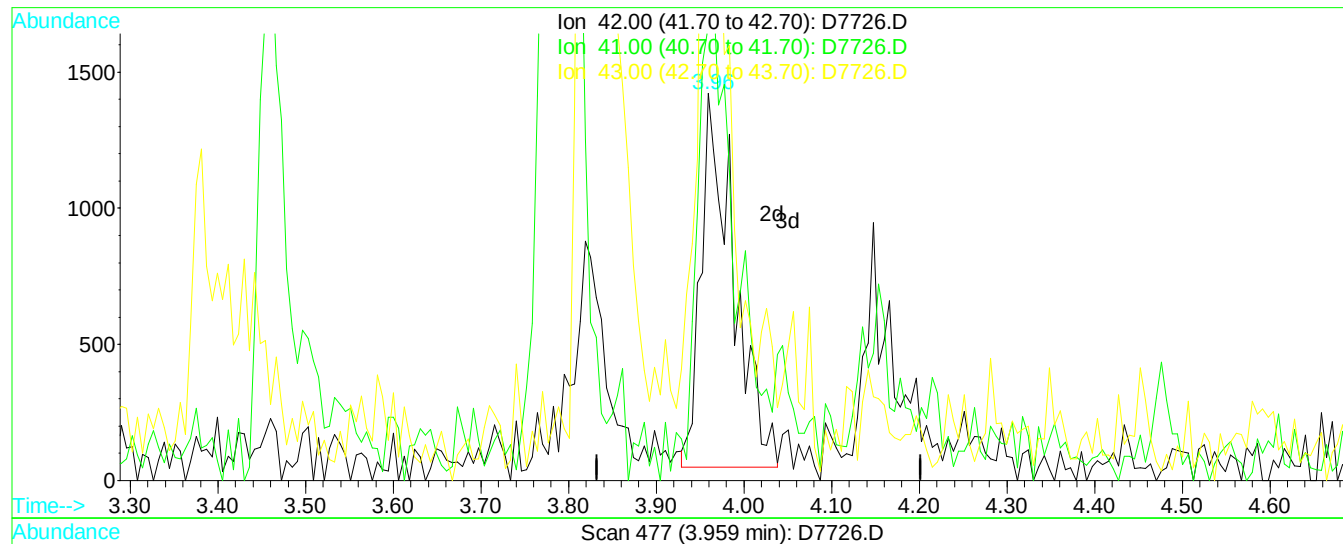
response 879

Ion	Exp%	Act%
42.00	100	100
72.00	40.50	37.34
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:48 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Single Level Calibration



TIC: D7726.D

(42) Iso-Butyl Alcohol

3.96min 89.22ug/L m

response 3556

Ion	Exp%	Act%
42.00	100	100
41.00	128.10	117.80
43.00	164.20	119.42#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:48 2017

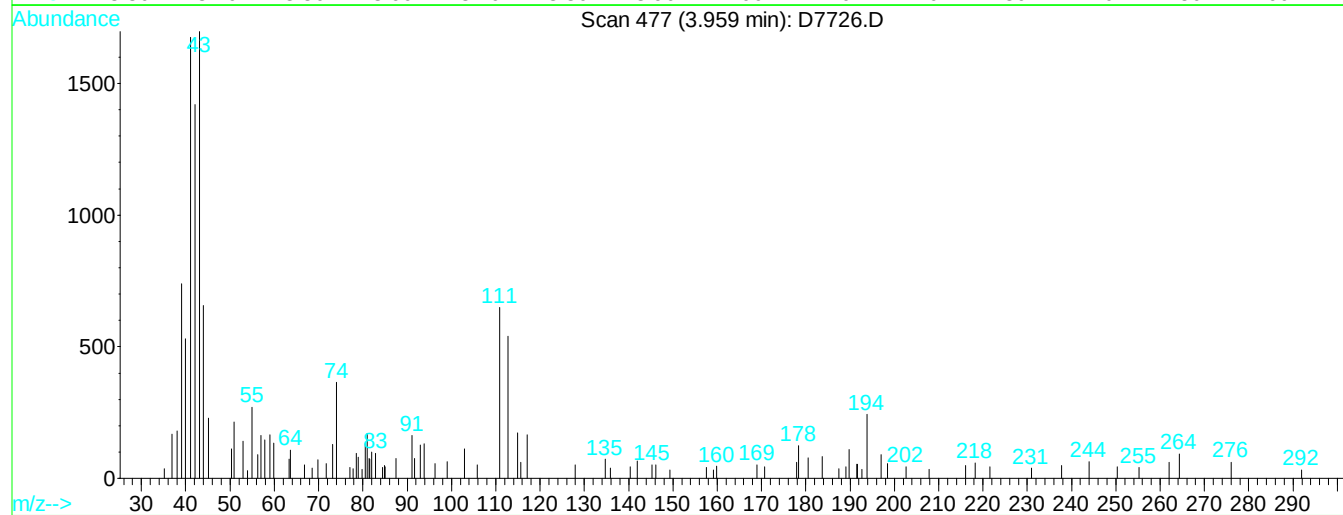
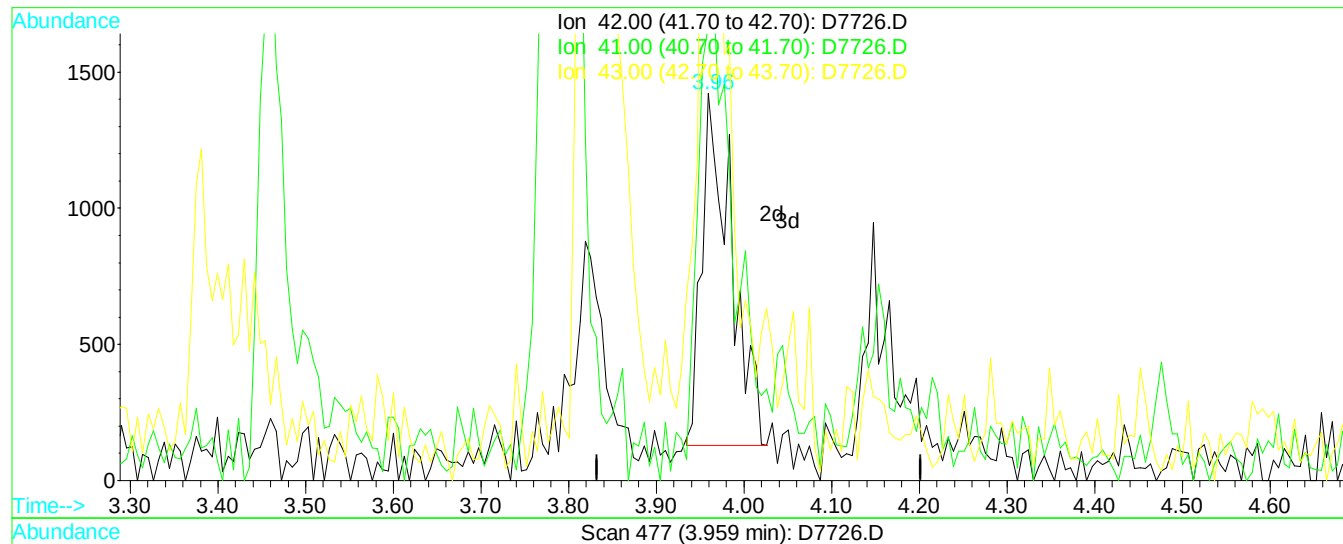
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(42) Iso-Butyl Alcohol

Manual Integration:

3.96min 75.49ug/L

Before

response 3009

Ion	Exp%	Act%

08/25/17

42.00	100	100

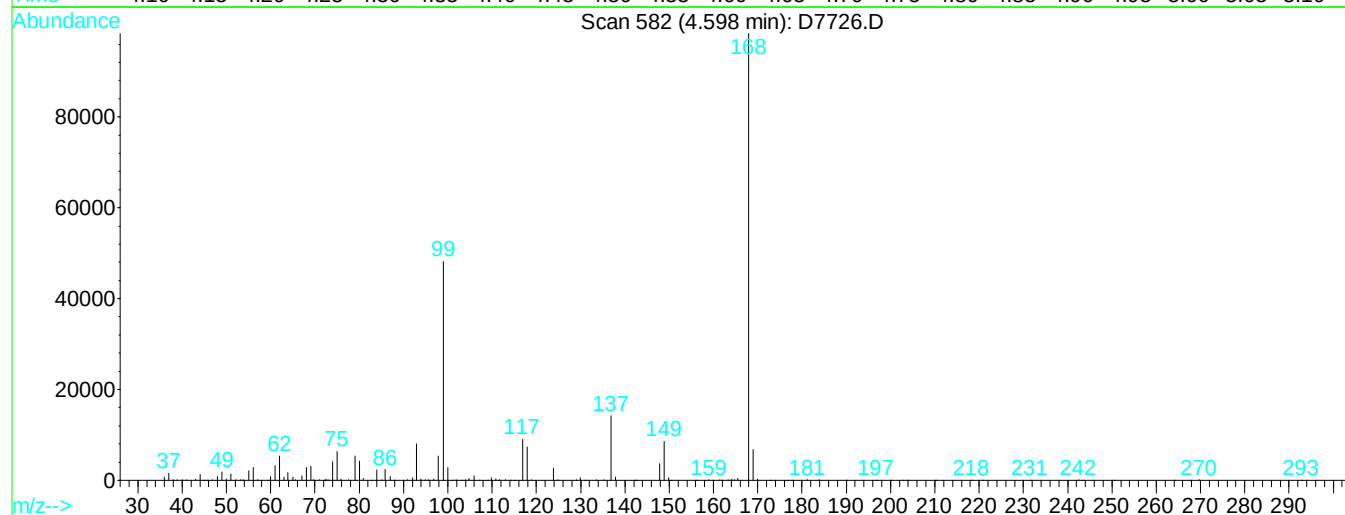
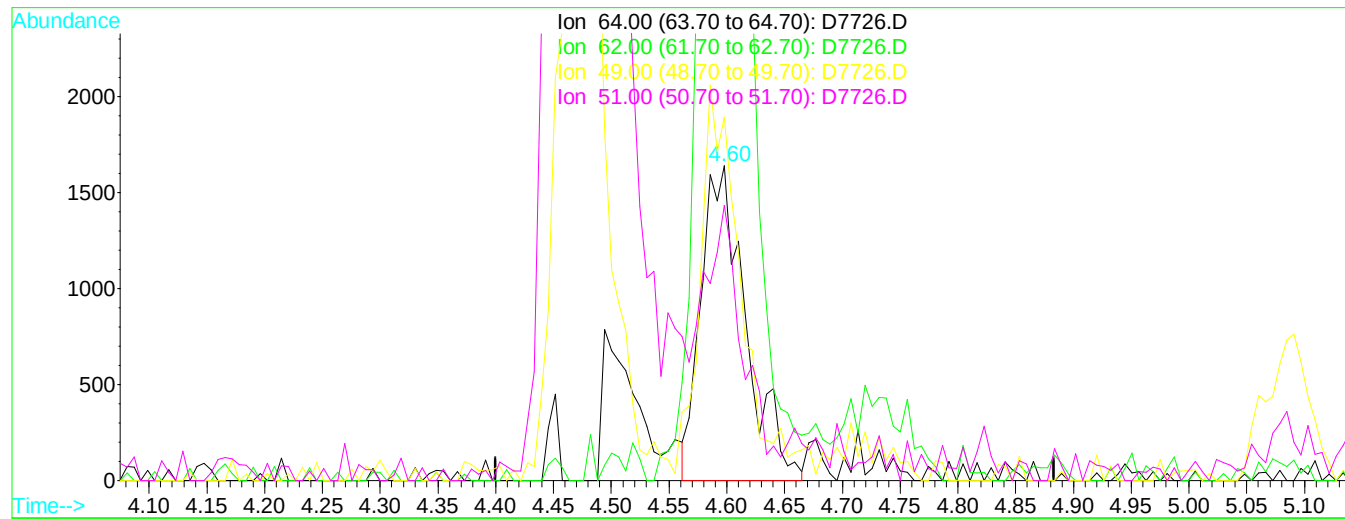
41.00	128.10	117.80

43.00	164.20	119.42#

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:49 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Multiple Level Calibration



TIC: D7726.D

(44) 1,2-Dichloroethane (P)

Manual Integration:

4.60min 4.55ug/L m

After

response 4408

Poor integration.

Ion	Exp%	Act%

08/25/17

64.00	100	100

62.00	291.40	327.58#

49.00	77.00	115.56#

51.00	29.80	87.49#

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:48 2017

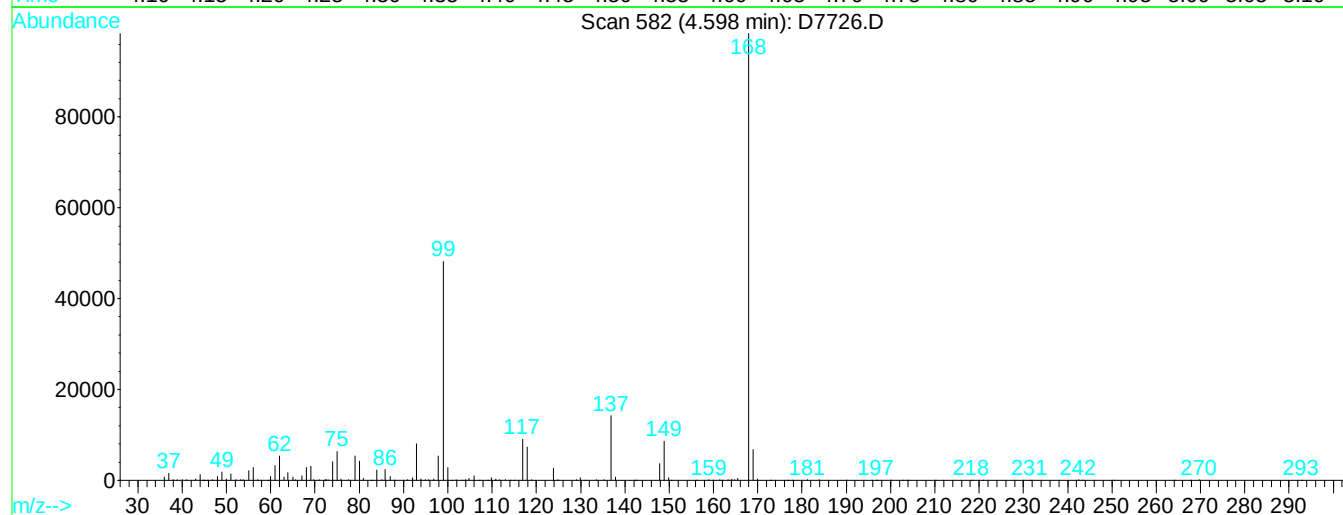
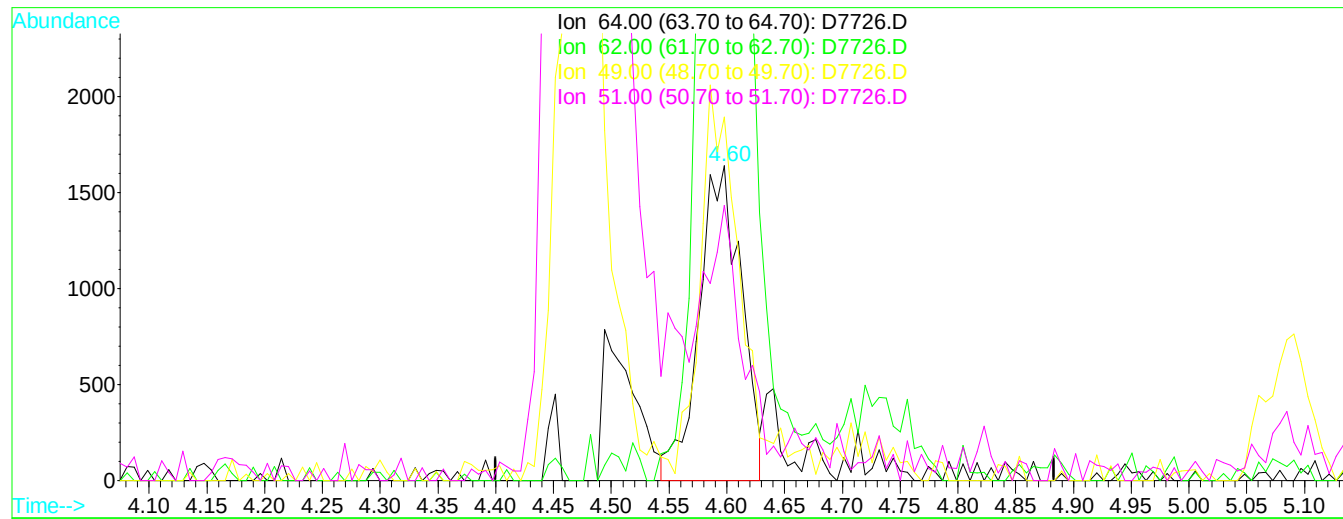
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Multiple Level Calibration



TIC: D7726.D

(44) 1,2-Dichloroethane (P)

Manual Integration:

4.60min 4.27ug/L

Before

response 4136

Ion	Exp%	Act%

08/25/17

64.00	100	100

62.00	291.40	327.58#

49.00	77.00	115.56#

51.00	29.80	87.49#

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:50 2017

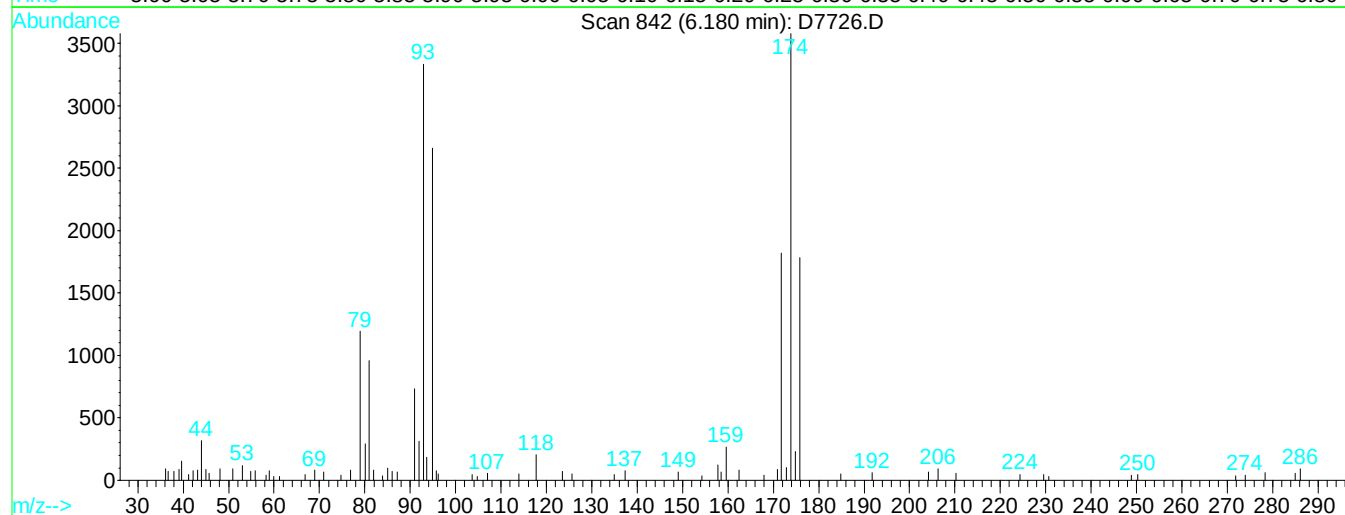
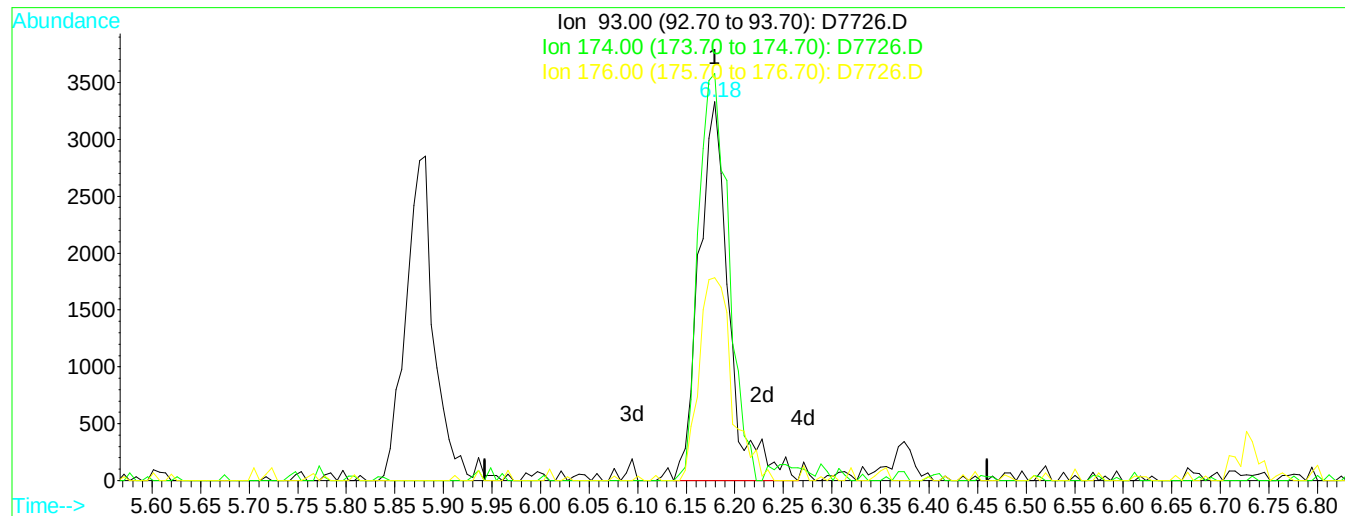
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Multiple Level Calibration



TIC: D7726.D

(51) Dibromomethane

Manual Integration:

6.18min 4.87ug/L m

After

response 7140

Split Peak.

Ion Exp% Act%

08/25/17

93.00 100 100

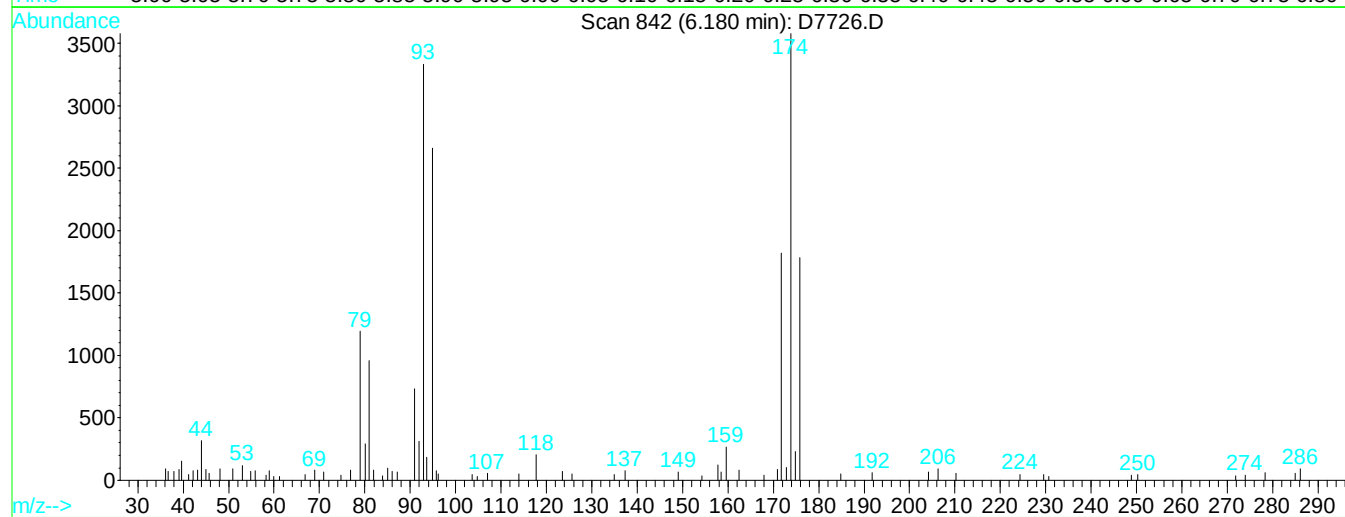
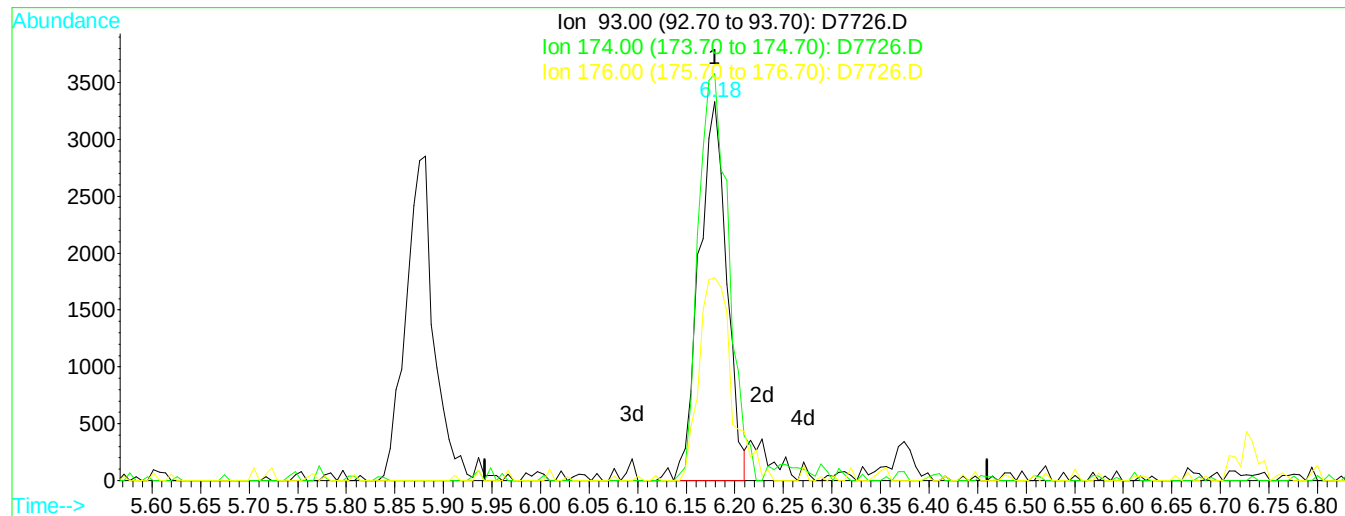
174.00 117.80 108.95

176.00 58.60 58.96

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:49 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Multiple Level Calibration



TIC: D7726.D

(51) Dibromomethane

Manual Integration:

6.18min 4.50ug/L

Before

response 6597

Ion	Exp%	Act%

08/25/17

93.00	100	100

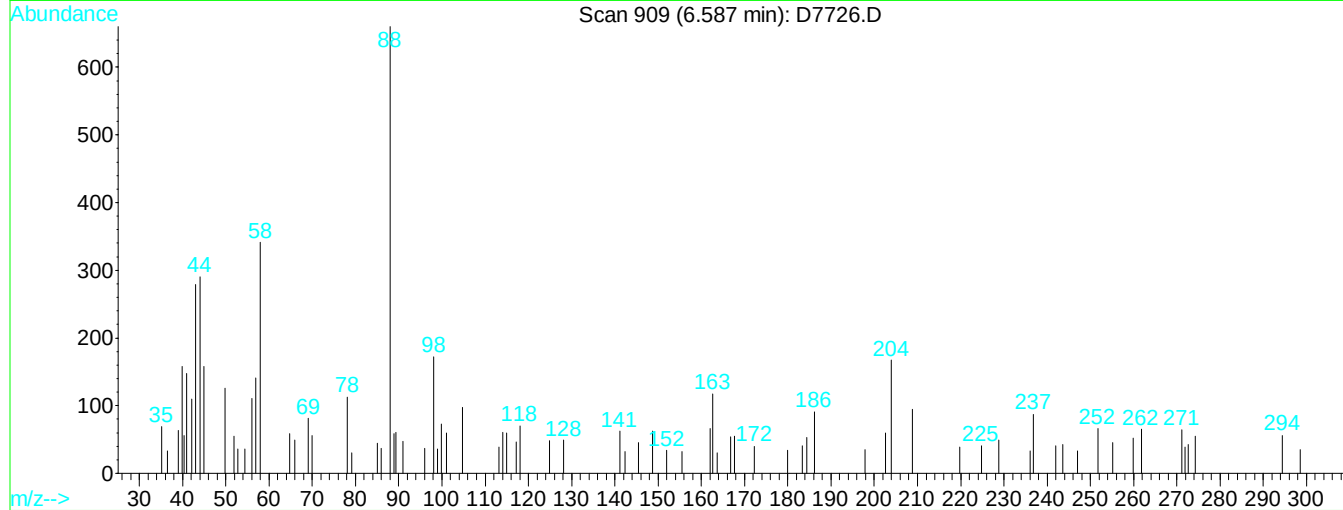
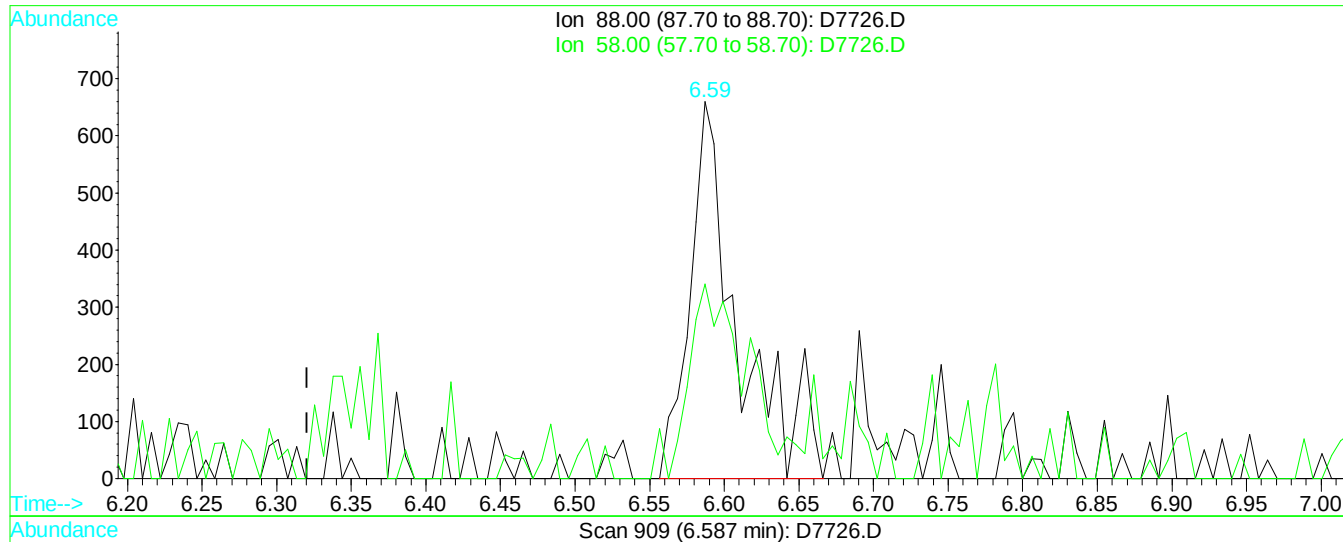
174.00	117.80	117.92

176.00	58.60	63.82

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:51 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Single Level Calibration



TIC: D7726.D

(56) 1,4-Dioxane

6.59min 84.28ug/L m

response 1494

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	51.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

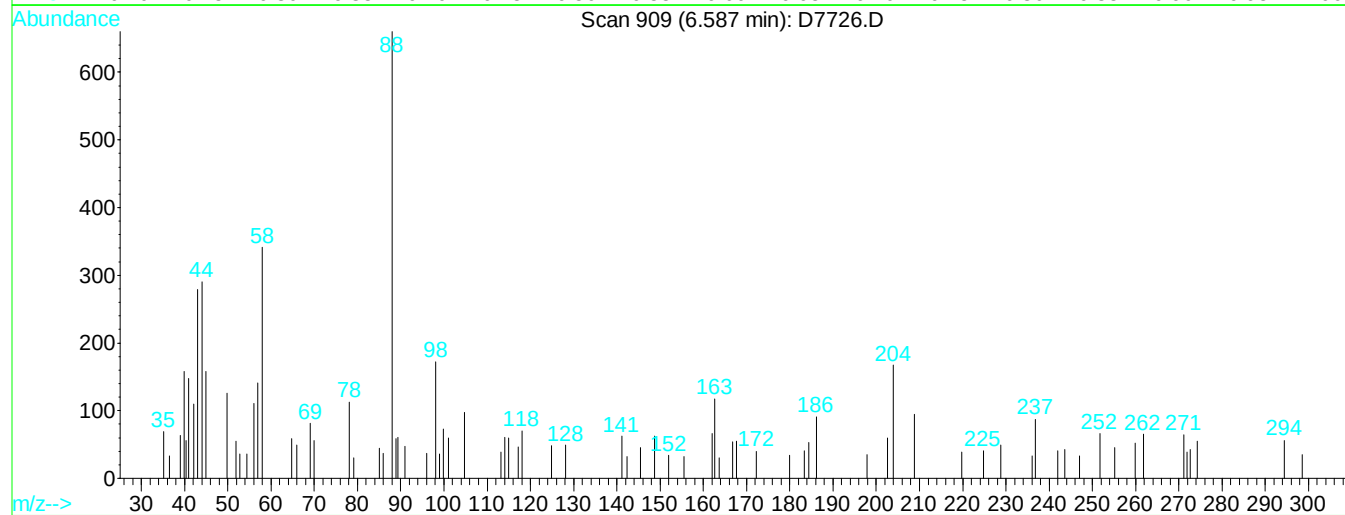
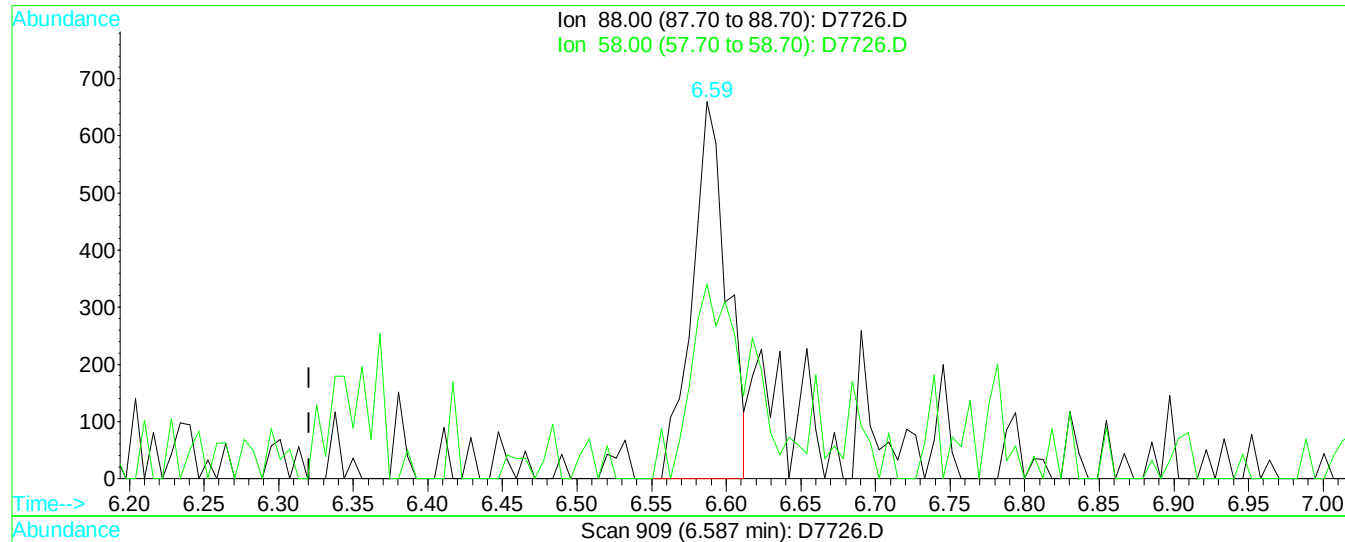
After

Split Peak.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:50 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Single Level Calibration



TIC: D7726.D

(56) 1,4-Dioxane

Manual Integration:

6.59min 60.42ug/L

Before

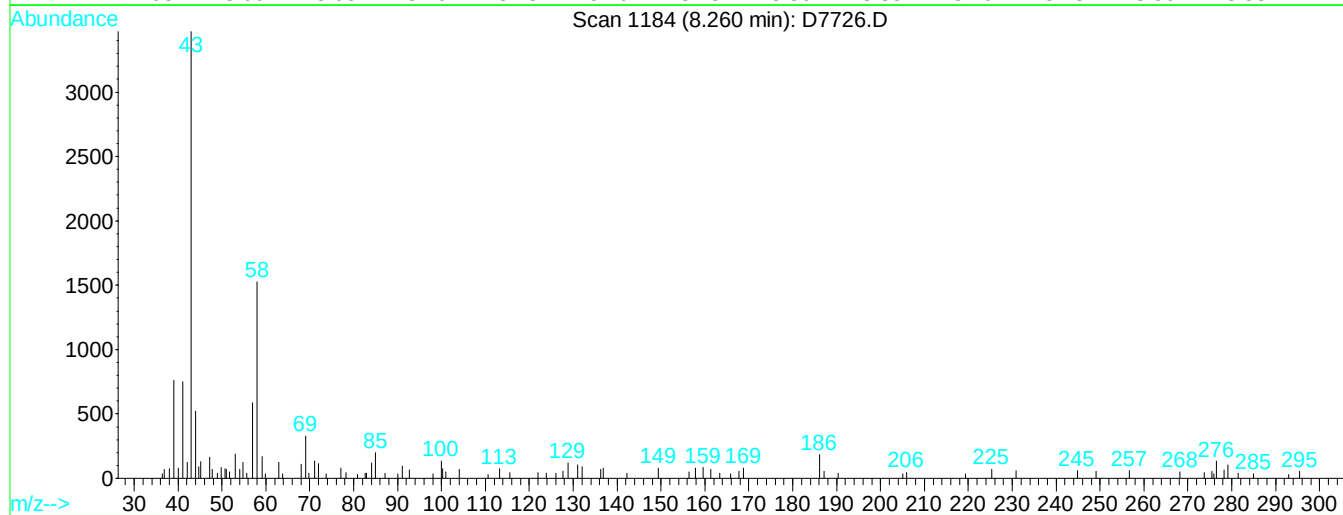
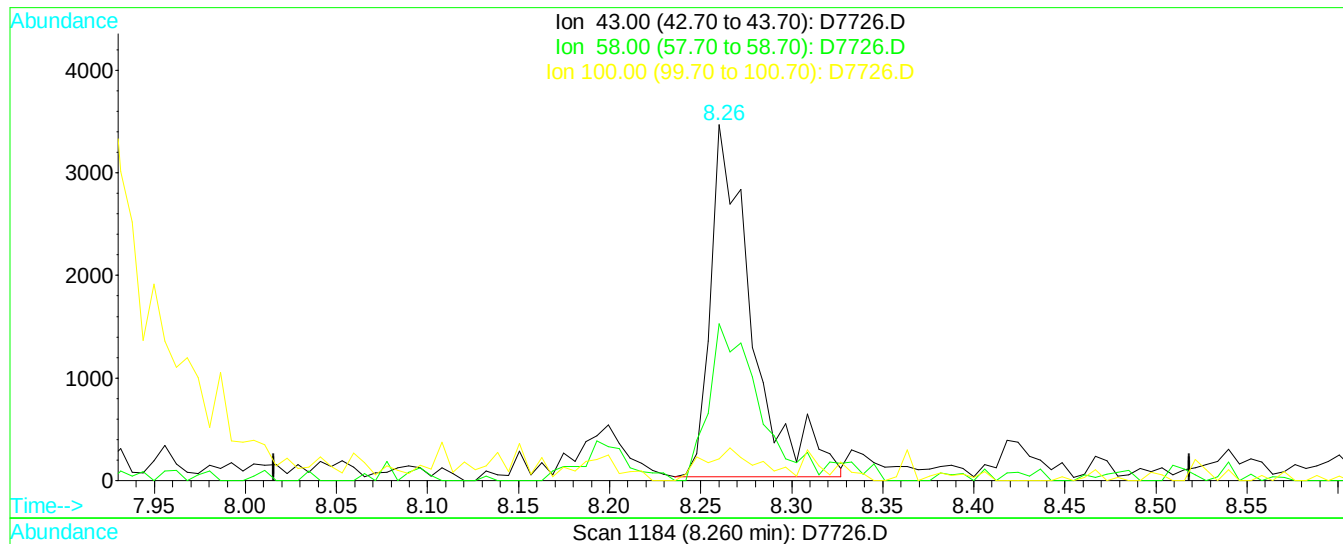
response 1071

08/25/17

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	51.67
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:52 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Single Level Calibration



TIC: D7726.D

(71) 2-Hexanone (P)

Manual Integration:

8.26min 5.08ug/L m

After

response 5408

Split Peak.

Ion	Exp%	Act%
43.00	100	100
58.00	51.20	53.22
100.00	12.00	7.75
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:51 2017

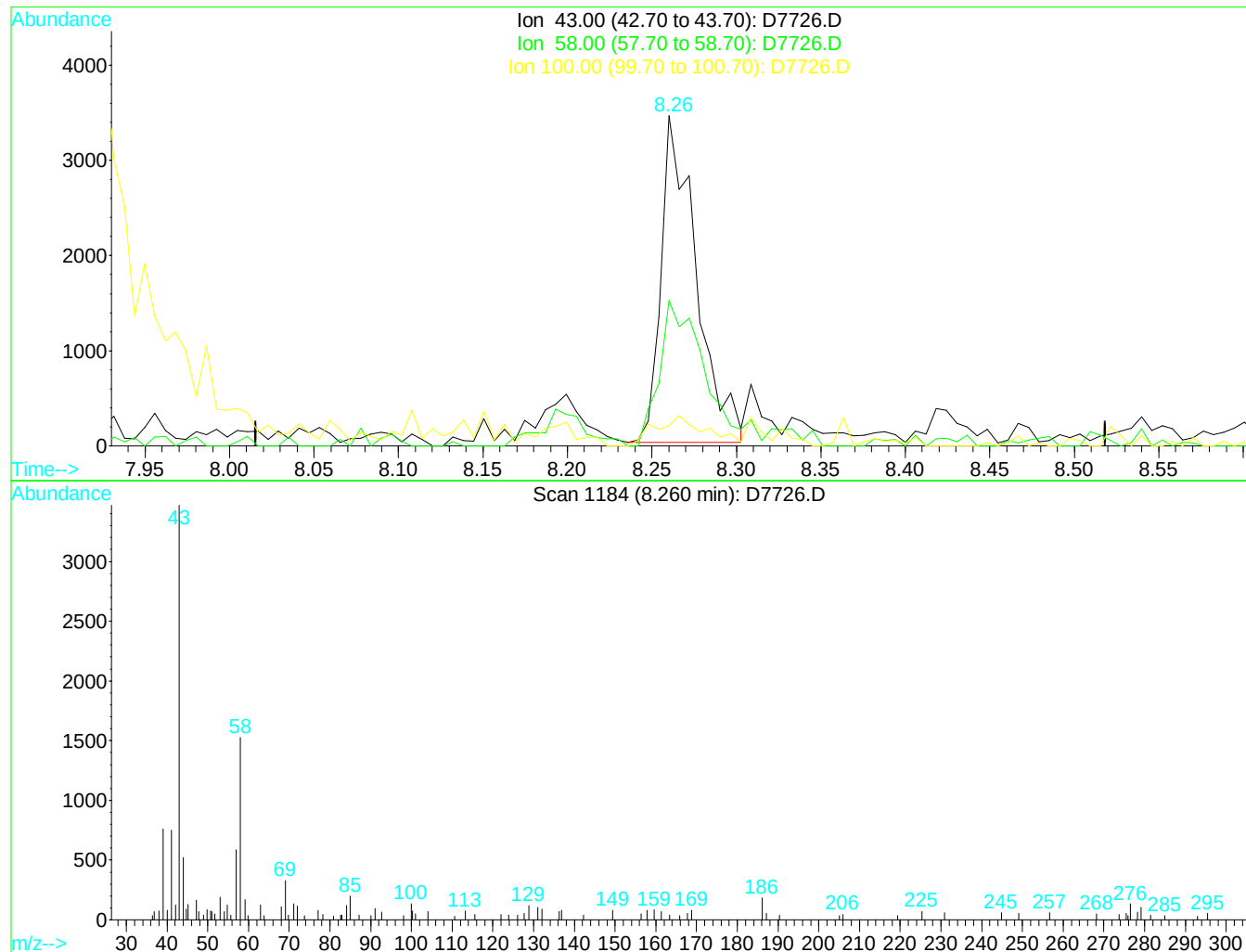
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Single Level Calibration



TIC: D7726.D

(71) 2-Hexanone (P)

Manual Integration:

8.26min 4.67ug/L

Before

response 4972

Ion	Exp%	Act%
43.00	100	100
58.00	51.20	57.88
100.00	12.00	8.43
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:53 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	274309	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	353882	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	159551	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	187694	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	179797	70.84	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	141.68%#
43) surr1,1,2-dichloroethane-d	4.47	65	196772	71.58	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	143.16%#
65) SURR3,Toluene-d8	7.89	98	515279	71.91	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	143.82%#
86) SURR2,BFB	10.24	95	207134	69.31	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	138.62%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	21540	5.26	ug/L	94
3) Chloromethane	1.19	50	13051	4.80	ug/L	91
4) Vinyl Chloride	1.27	62	15599	4.66	ug/L	93
5) Bromomethane	1.44	94	9657	4.78	ug/L	92
6) Chloroethane	1.51	64	8708	5.31	ug/L	96
7) Freon 21	1.54	67	24913	5.00	ug/L	98
8) Freon 123	1.71	83	16183	5.23	ug/L	89
9) Freon 123a	1.73	67	12392	5.01	ug/L	99
10) Acrolein	1.79	56	5374	24.77	ug/L	93
11) Trichlorofluoromethane	1.79	101	18908	5.05	ug/L	86
12) Acetonitrile	1.80	41	3435	22.99	ug/L	100
13) 2-Propanol	1.84	45	10915	106.31	ug/L	95
14) Acetone	1.87	43	2613	4.95	ug/L	89
15) Diethyl Ether	1.94	59	6477	4.90	ug/L	96
16) 1,1-Dicethene	2.10	96	8897	4.71	ug/L	95
17) Iodomethane	2.11	142	12181	3.97	ug/L	98
18) TBA	2.13	59	18115	102.71	ug/L	98
19) Acrylonitrile	2.15	53	14826	26.06	ug/L	95
20) Methylene Chloride	2.20	84	10058	5.01	ug/L	94
21) Freon 113	2.24	101	9527	4.41	ug/L	84
22) Methyl Acetate	2.26	43	7951	4.69	ug/L	88
23) Allyl Chloride	2.26	76	3986	5.12	ug/L	# 59
24) Carbon Disulfide	2.31	76	28086	4.86	ug/L	95
25) trans-1,2-Dichloroethene	2.69	96	10229	5.08	ug/L	# 86
26) Methyl-t-Butyl Ether	2.81	73	26851	5.19	ug/L	98
27) 1,1-Dicethane	2.89	63	14786	4.84	ug/L	90
28) Propionitrile	2.93	54	5242m	25.57	ug/L	
29) Vinyl Acetate	3.10	43	20073	5.53	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.26	53	12296	4.55	ug/L	91
31) 2-Butanone	3.38	43	3507m	5.11	ug/L	
32) Methacrylonitrile	3.46	67	3378	5.06	ug/L	# 87
33) cis-1,2-Dichloroethene	3.47	96	10309	4.79	ug/L	96
34) Bromochloromethane	3.64	128	5639	4.62	ug/L	# 86
35) Chloroform	3.72	83	18131	4.95	ug/L	95
36) 2,2-Dichloropropane	3.79	77	17183	5.15	ug/L	89
37) Ethyl Acetate	3.83	43	15065	10.26	ug/L	90
38) Tetrahydrofuran	4.15	42	1796m	4.32	ug/L	
39) 1,1,1-Trichloroethane	4.73	97	17831	5.01	ug/L	95
42) Iso-Butyl Alcohol	3.96	42	3556m	89.22	ug/L	

(#)=qualifier out of range (m)=manual integration

D7726.D W082417.M Fri Aug 25 10:54:17 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D

Vial: 9

Acq On : 24 Aug 2017 11:33 am

Operator: D.Lipani

Sample : STD #4 - 5.0 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 10:53 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:22:29 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-Dichloroethane	4.60	64	4408m	4.55	ug/L	
45) 2-Methyl-1,3-Dioxolane	4.84	73	6103	26.01	ug/L	83
46) 1,1-Dichloropropene	5.08	75	11866	4.63	ug/L	91
47) Cyclohexane	5.17	56	13587	5.16	ug/L	88
48) Carbontetrachloride	5.31	119	14318	5.03	ug/L	94
49) Benzene	5.39	78	33644	4.85	ug/L	93
50) Isopropyl Acetate	5.41	43	17581	5.14	ug/L	97
51) Dibromomethane	6.18	93	7140m	4.87	ug/L	
52) 1,2-Dichloropropane	6.25	63	8109	4.58	ug/L	99
53) n-Heptane	6.35	43	9282	4.83	ug/L	93
54) Trichloroethene	6.33	130	11288	4.92	ug/L	98
55) Bromodichloromethane	6.37	83	12743	4.65	ug/L	95
56) 1,4-Dioxane	6.59	88	1494m	84.28	ug/L	
57) Epichlorohydrin	6.75	57	3325	23.27	ug/L	68
58) Methyl Methacrylate	6.75	69	5665	4.74	ug/L	92
59) Methylcyclohexane	6.90	55	10684	4.95	ug/L	90
60) 2-Chloroethylvinyl Ether	7.02	63	5929	5.34	ug/L	83
61) cis-1,3-Dichloropropene	7.18	75	14649	4.77	ug/L	98
62) 4-Methyl-2-pentanone	7.37	43	7935	4.99	ug/L	92
63) trans-1,3-Dichloropropene	7.66	75	14649	5.08	ug/L	94
64) 1,1,2-Trichloroethane	7.77	97	8307	4.76	ug/L	96
66) Toluene	7.96	91	40133	5.10	ug/L	96
68) 1,3-Dichloropropane	8.02	76	14627	5.48	ug/L	88
69) Ethyl Methacrylate	8.19	69	10570	4.90	ug/L	97
70) Dibromochloromethane	8.21	129	10097	4.60	ug/L	100
71) 2-Hexanone	8.26	43	5408m	5.08	ug/L	
72) 1,2-Dibromoethane	8.43	107	9799	5.09	ug/L	97
73) n-Butyl Acetate	8.63	43	13197	5.36	ug/L	94
74) Tetrachloroethene	8.63	164	9590	5.03	ug/L	97
75) 1,1,1,2-Tetrachloroethane	9.17	131	9266	4.65	ug/L	92
76) Chlorobenzene	9.22	112	25343	5.03	ug/L	99
77) Ethylbenzene	9.44	106	13787	5.19	ug/L	93
78) Bromoform	9.62	173	6698	4.54	ug/L	99
79) (m+p)Xylene	9.62	106	31319	9.41	ug/L #	82
80) o-Xylene	9.93	106	15268	4.77	ug/L #	86
81) Cyclohexanone	9.84	55	5889	96.06	ug/L	87
82) Styrene	9.88	104	27503	5.38	ug/L	91
83) Amyl Acetate	9.99	43	18547	5.52	ug/L	89
84) trans-1,4-Dichloro-2-Buten	10.10	75	3832	5.15	ug/L	96
85) Isopropylbenzene	10.25	105	42191	5.16	ug/L	97
88) 1,1,2,2-Tetrachloroethane	9.92	83	11211	5.00	ug/L	93
89) 1,2,3-Trichloropropane	10.04	75	8579	5.07	ug/L	100
90) Bromobenzene	10.38	156	13028	4.68	ug/L	96
91) n-Propylbenzene	10.61	91	48410	4.87	ug/L	95
92) 2-Chlorotoluene	10.64	91	29131	5.03	ug/L	91
93) 4-Chlorotoluene	10.71	91	31162	5.01	ug/L	94
94) 1,3,5-Trimethylbenzene	10.87	105	35122	5.09	ug/L	94
95) tert-Butylbenzene	11.06	119	29045	4.84	ug/L	95
96) 1,2,4-Trimethylbenzene	11.17	105	35566	4.80	ug/L	94
97) sec-Butylbenzene	11.24	105	42813	5.00	ug/L	97
98) 1,3-Dichlorobenz	11.25	146	24313	5.14	ug/L	93
99) 1,4-Dichlorobenz	11.31	146	24160	5.04	ug/L	98
100) p-Isopropyltoluene	11.41	119	36766	5.21	ug/L	94
101) 1,2-Dichlorobenz	11.58	146	22411	4.73	ug/L	100

(#)=qualifier out of range (m)=manual integration

D7726.D W082417.M Fri Aug 25 10:54:18 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7726.D Vial: 9
Acq On : 24 Aug 2017 11:33 am Operator: D.Lipani
Sample : STD #4 - 5.0 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 10:53 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:22:29 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) n-Butylbenzene	11.73	91	31213	4.80	ug/L	98
103) 1,2-Dibromo-3-chloropropan	11.95	75	2159	5.23	ug/L #	89
104) Nitrobenzene	12.13	77	460m	15.77	ug/L	
105) 1,2,4-Tcbenzene	13.02	180	16292	5.00	ug/L	91
106) Naphthalen	13.20	128	32332	5.24	ug/L	97
107) Hexachlorobt	13.28	225	7596	4.76	ug/L	92
108) 1,2,3-Tclbenzene	13.35	180	13815	4.92	ug/L	94

1st	<u>DL</u>	08/25/17
2nd	<u>FW</u>	08/26/17

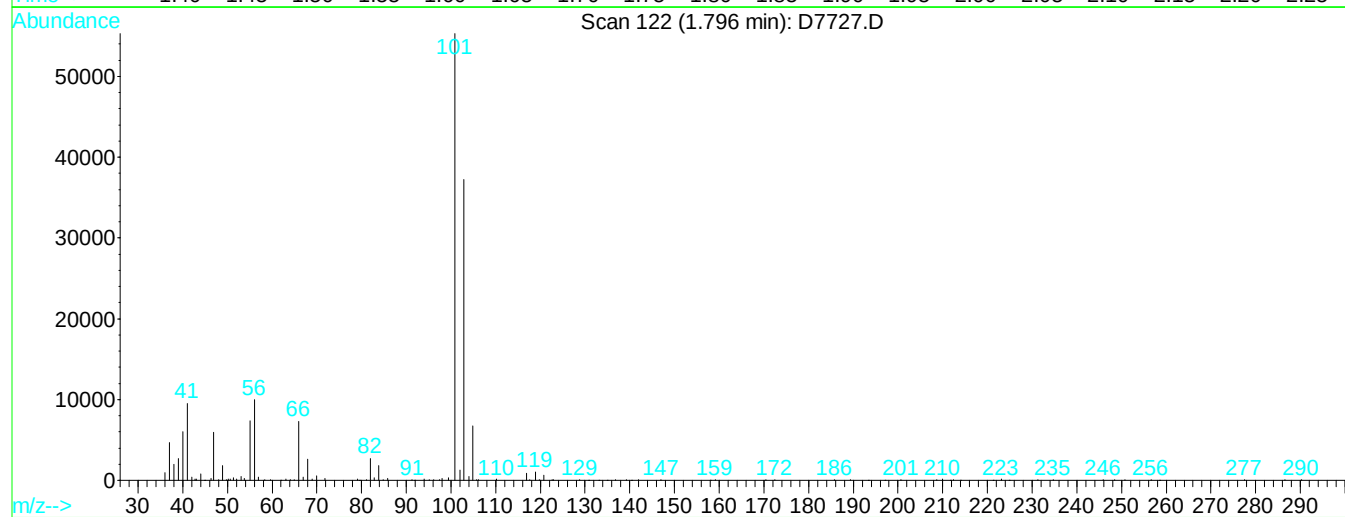
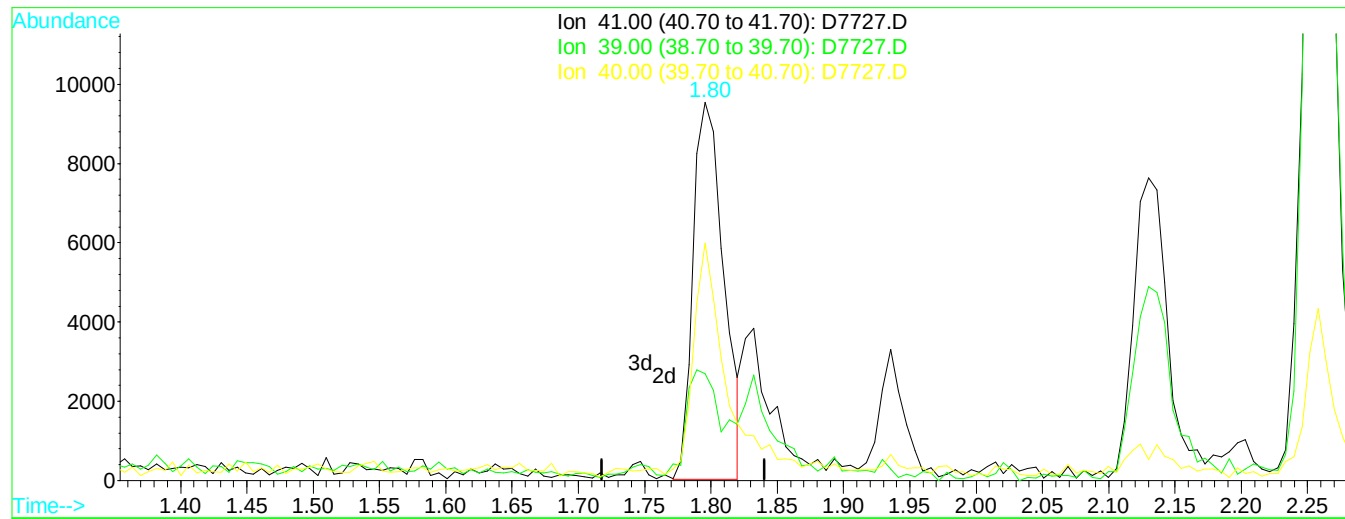
Vial: 9
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

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Method       : I:\ACQDATA\MSVOA6\METHODS\W082417.M (RTE Integrator)
Title        : 8260C / 624 WATERS
Last Update   : Fri Aug 25 10:22:29 2017
Response via  : Initial Calibration
```



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D Vial: 10
Acq On : 24 Aug 2017 12:00 pm Operator: D.Lipani
Sample : STD #5 - 20 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:35 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:33:51 2017
Response via : Multiple Level Calibration



TIC: D7727.D

(12) Acetonitrile

1.80min 106.38ug/L m

response 15333

Ion	Exp%	Act%
41.00	100	100
39.00	30.90	28.20
40.00	57.00	62.73
0.00	0.00	0.00

Manual Integration:

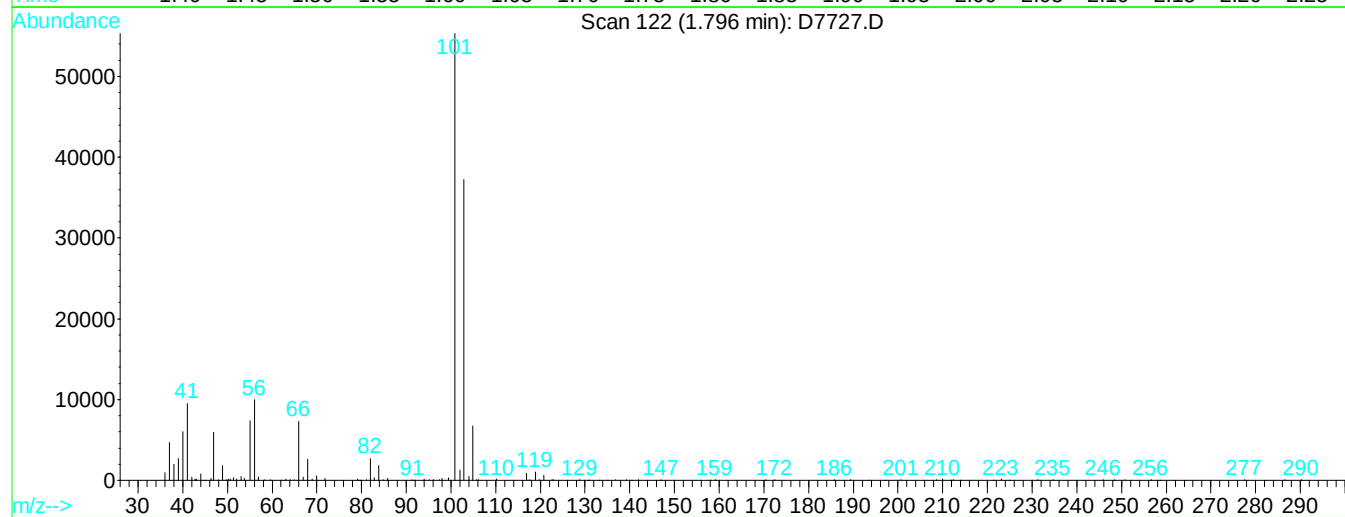
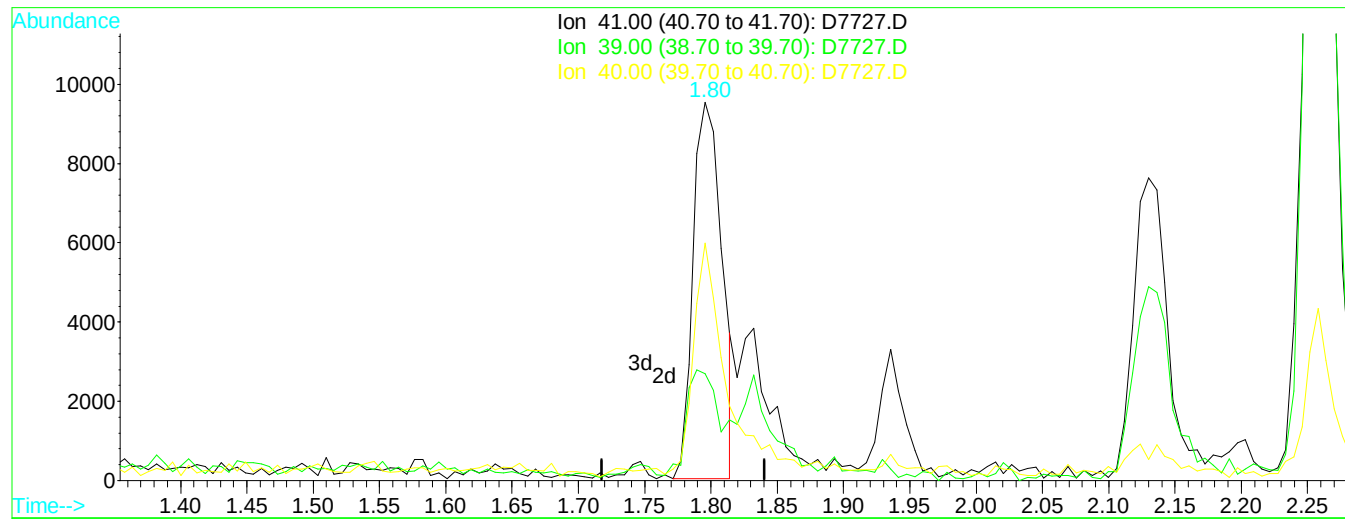
After

Poor integration.

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D Vial: 10
Acq On : 24 Aug 2017 12:00 pm Operator: D.Lipani
Sample : STD #5 - 20 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:34 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:33:51 2017
Response via : Multiple Level Calibration



TIC: D7727.D

(12) Acetonitrile

Manual Integration:

1.80min 99.39ug/L

Before

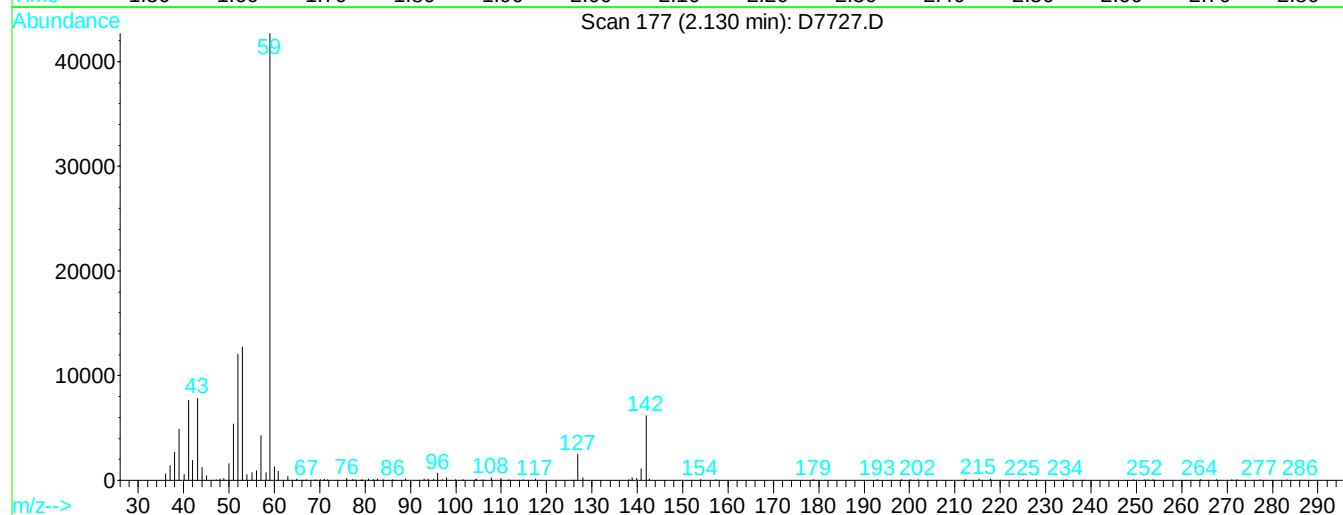
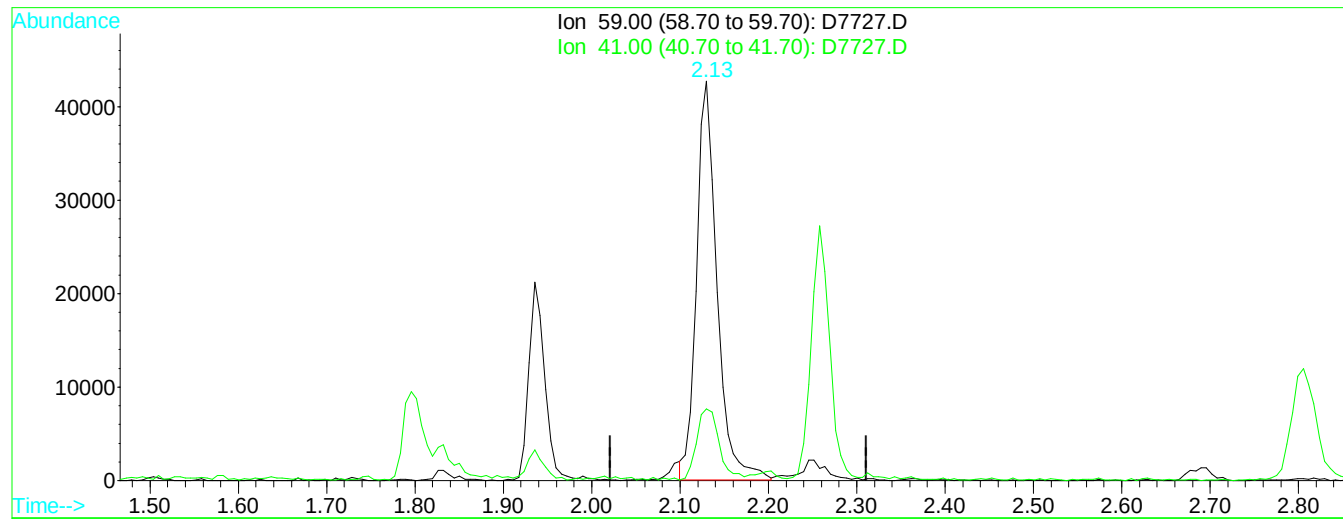
response 14326

Ion	Exp%	Act%
41.00	100	100
39.00	30.90	28.20
40.00	57.00	62.73
0.00	0.00	0.00

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D Vial: 10
Acq On : 24 Aug 2017 12:00 pm Operator: D.Lipani
Sample : STD #5 - 20 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:35 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:33:51 2017
Response via : Multiple Level Calibration



TIC: D7727.D

(18) TBA

2.13min 401.26ug/L m

response 68480

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	17.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

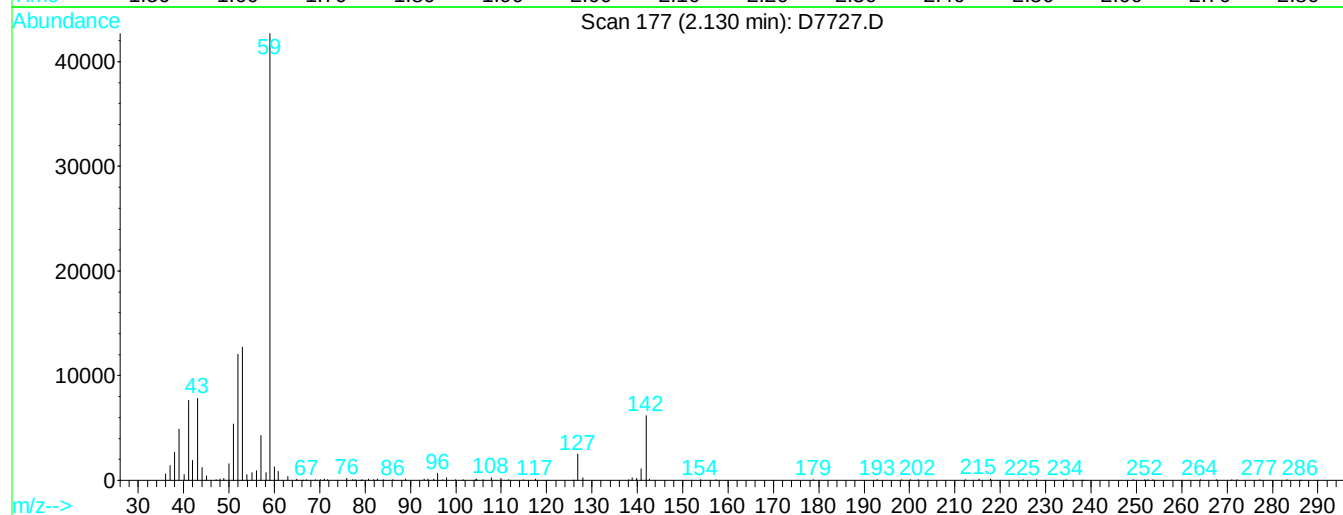
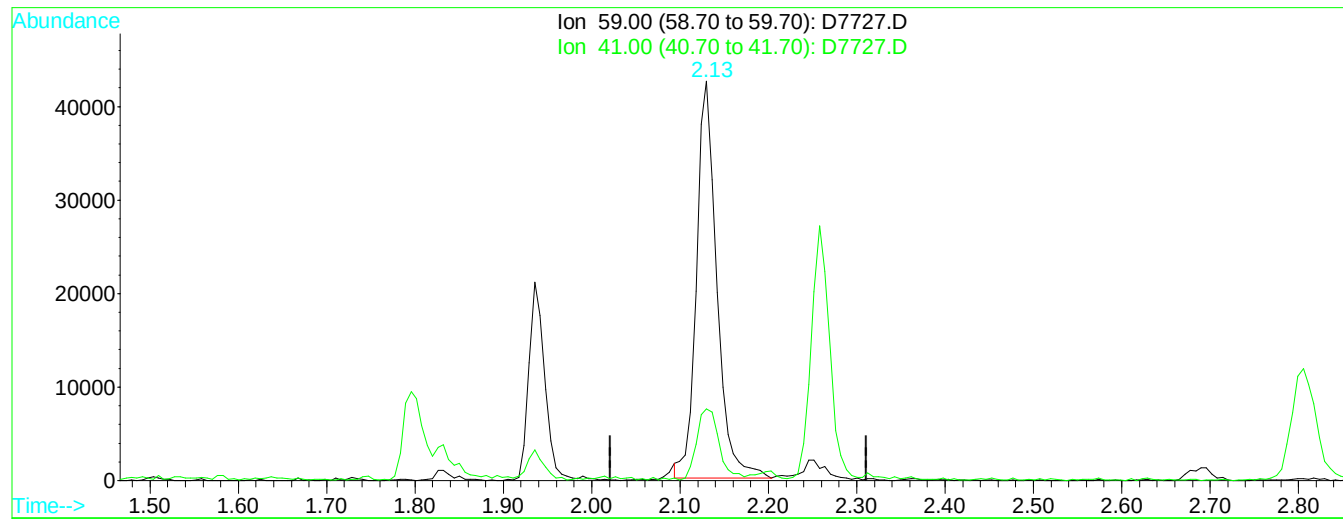
After

Poor integration.

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D Vial: 10
Acq On : 24 Aug 2017 12:00 pm Operator: D.Lipani
Sample : STD #5 - 20 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:35 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:33:51 2017
Response via : Multiple Level Calibration



TIC: D7727.D

(18) TBA

Manual Integration:

2.13min 397.29ug/L

Before

response 67803

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	17.91
0.00	0.00	0.00
0.00	0.00	0.00

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D

Vial: 10

Acq On : 24 Aug 2017 12:00 pm

Operator: D.Lipani

Sample : STD #5 - 20 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:38 2017

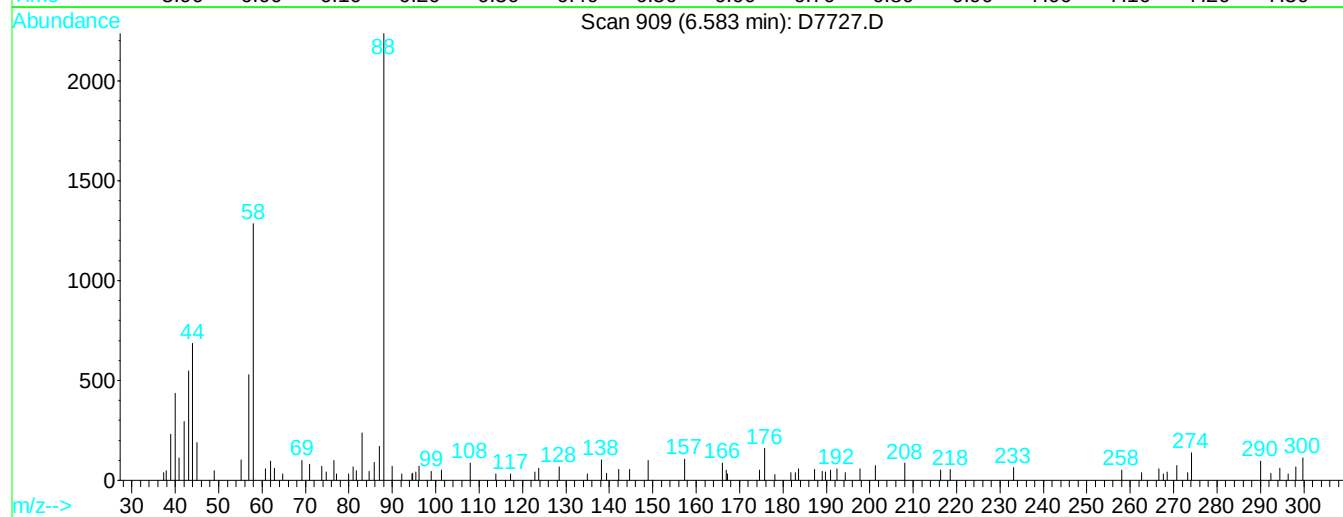
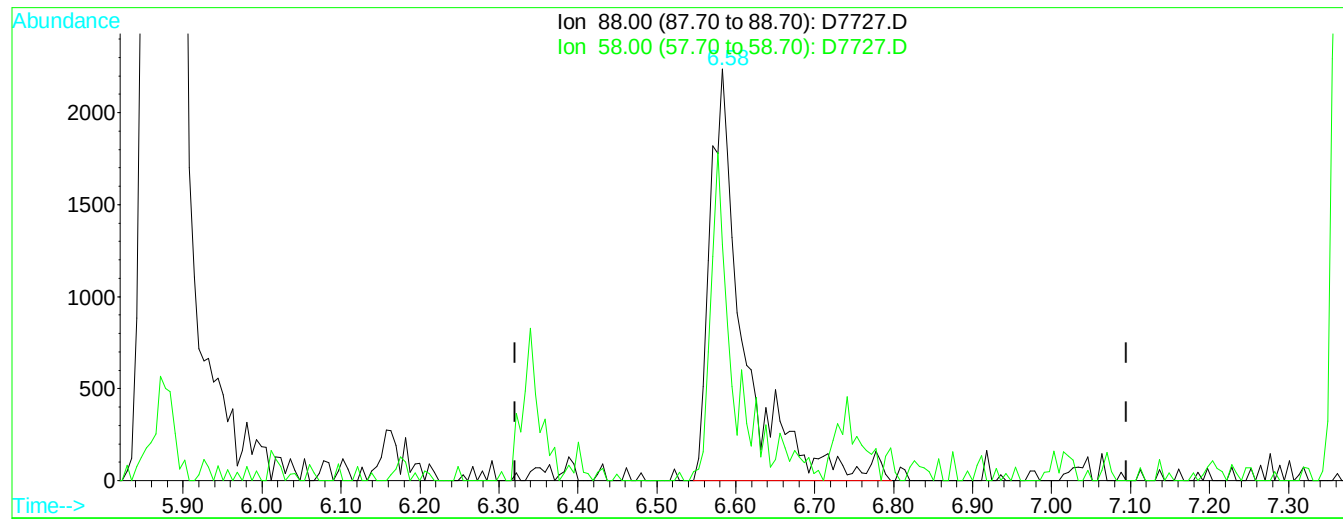
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:33:51 2017

Response via : Single Level Calibration



TIC: D7727.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 374.26ug/L m

After

response 6647

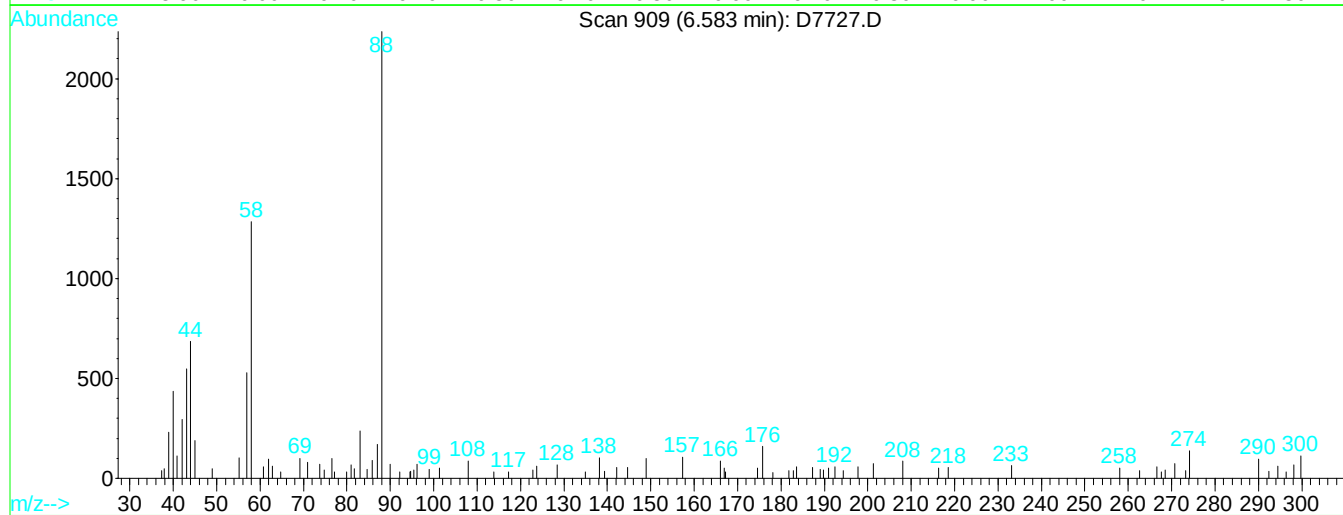
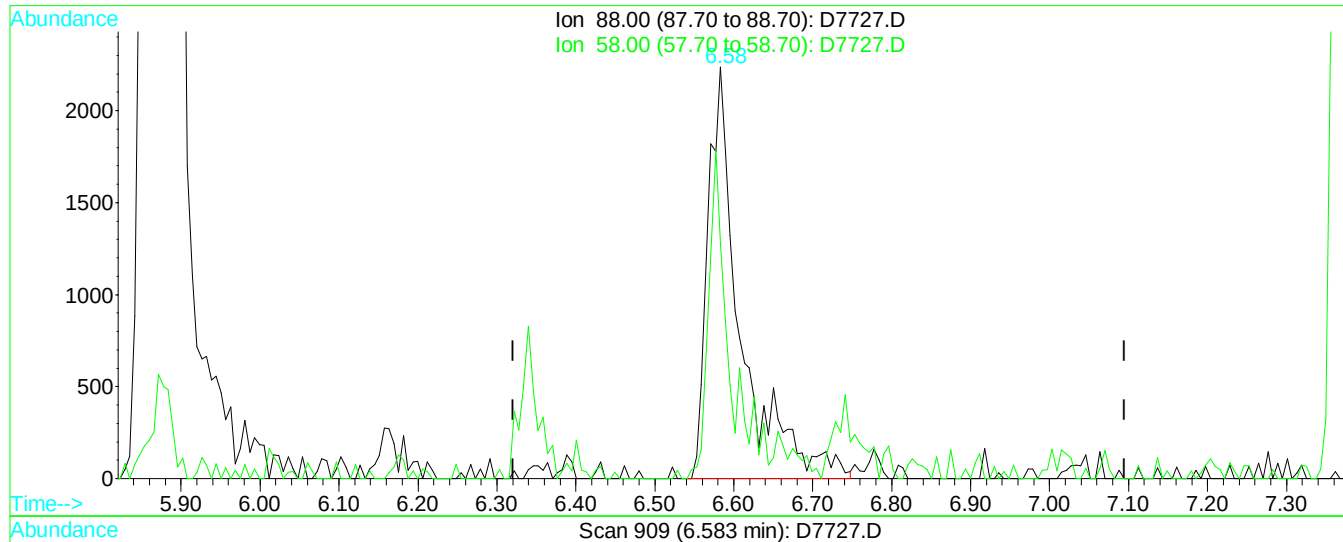
Split Peak.

08/24/17

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	57.42
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D Vial: 10
Acq On : 24 Aug 2017 12:00 pm Operator: D.Lipani
Sample : STD #5 - 20 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:35 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:33:51 2017
Response via : Single Level Calibration



TIC: D7727.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 363.17ug/L

Before

response 6450

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	57.42
0.00	0.00	0.00
0.00	0.00	0.00

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D

Vial: 10

Acq On : 24 Aug 2017 12:00 pm

Operator: D.Lipani

Sample : STD #5 - 20 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:38 2017

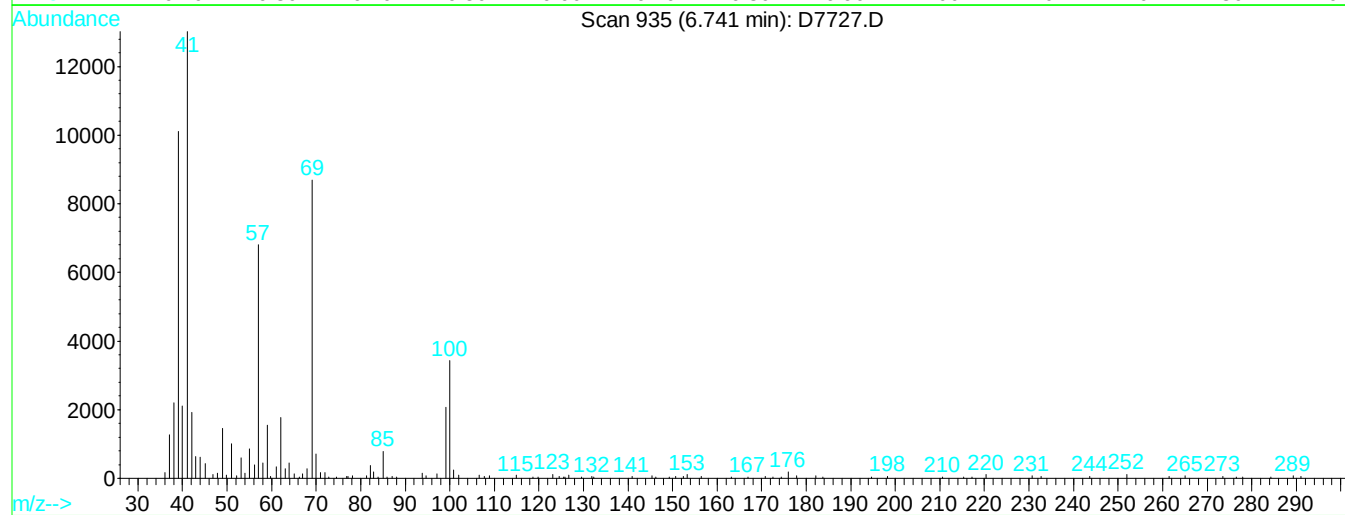
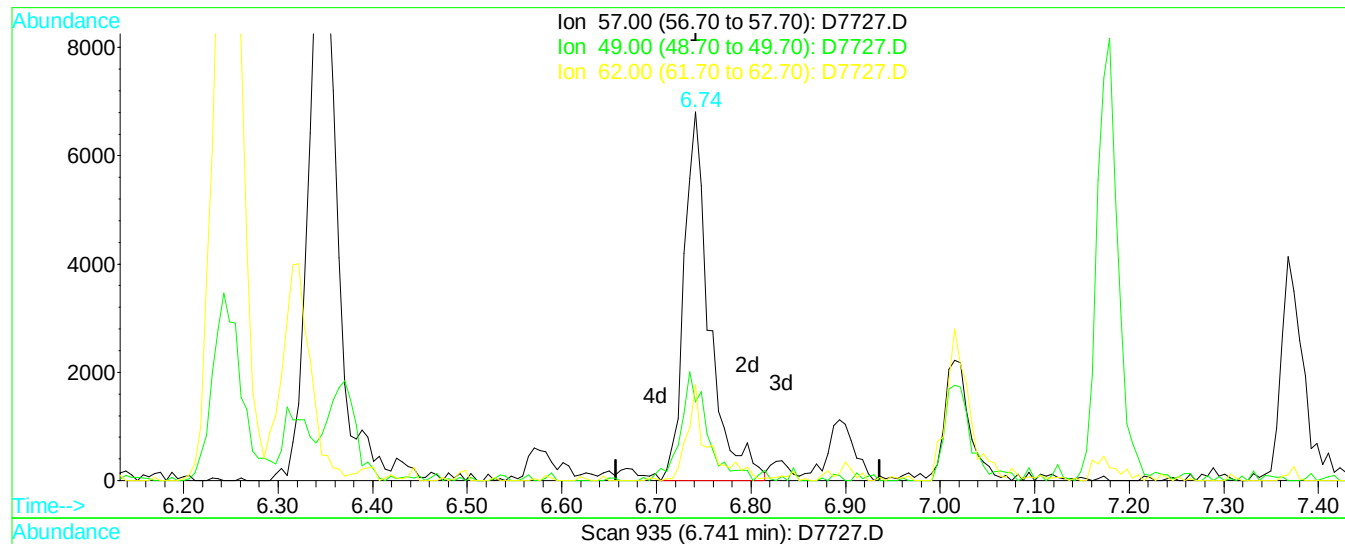
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:33:51 2017

Response via : Multiple Level Calibration



TIC: D7727.D

(57) Epichlorohydrin

Manual Integration:

6.74min 89.42ug/L m

After

response 12678

Split Peak.

08/24/17

Ion	Exp%	Act%
57.00	100	100
49.00	34.00	21.44
62.00	23.60	26.08
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D

Vial: 10

Acq On : 24 Aug 2017 12:00 pm

Operator: D.Lipani

Sample : STD #5 - 20 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:38 2017

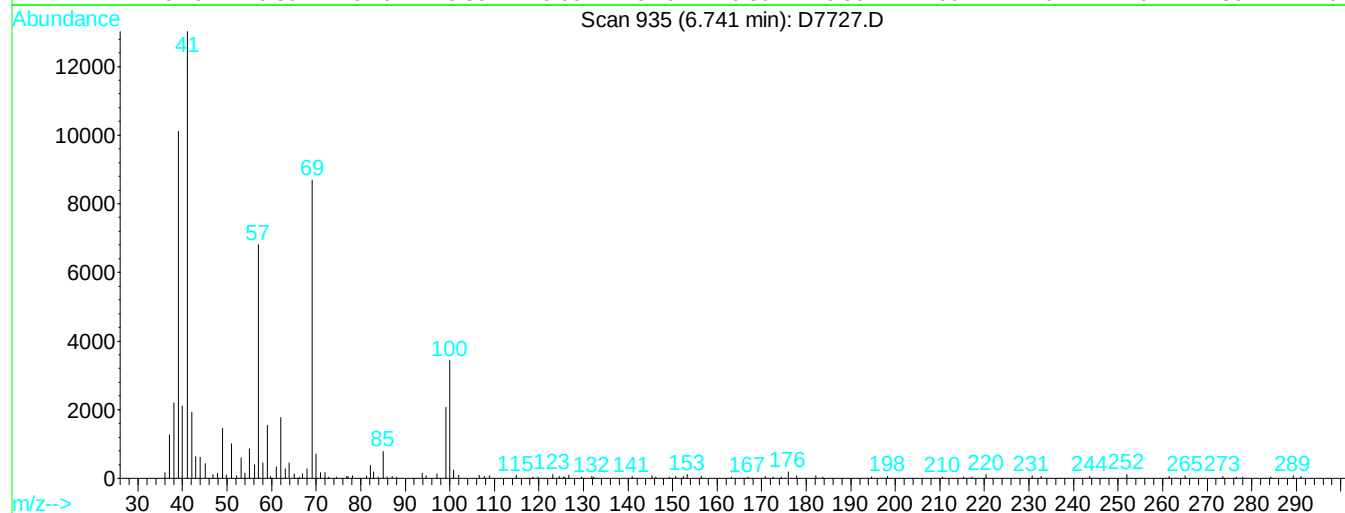
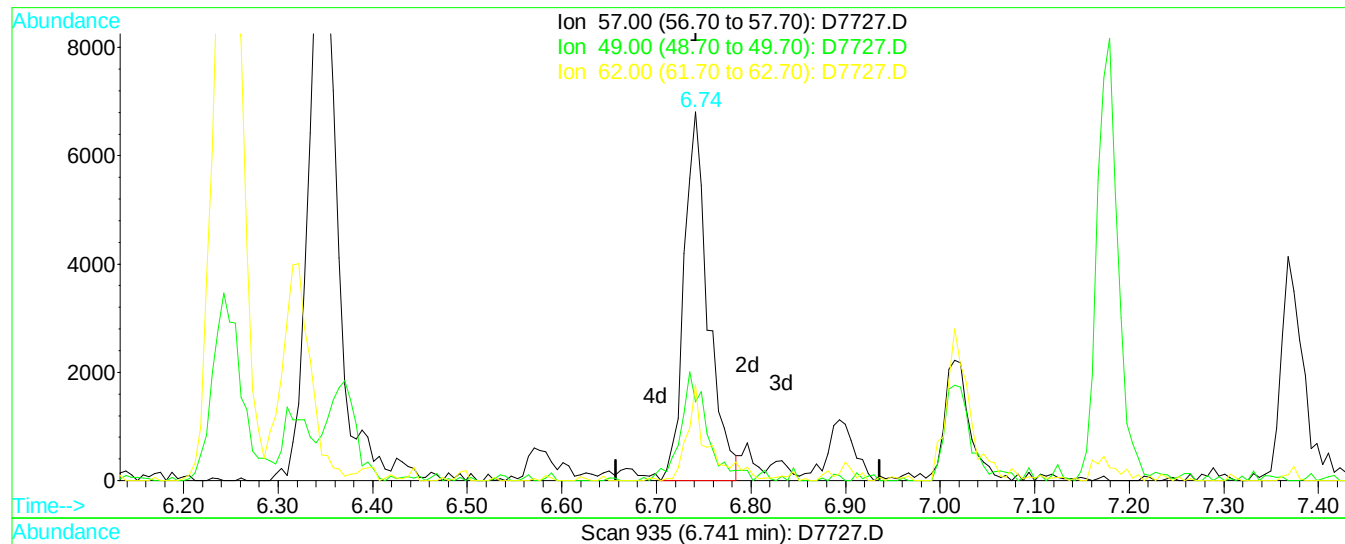
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:33:51 2017

Response via : Multiple Level Calibration



TIC: D7727.D

(57) Epichlorohydrin

Manual Integration:

6.74min 84.59ug/L

Before

response 11993

Ion	Exp%	Act%
57.00	100	100
49.00	34.00	21.44
62.00	23.60	26.08
0.00	0.00	0.00

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D

Vial: 10

Acq On : 24 Aug 2017 12:00 pm

Operator: D.Lipani

Sample : STD #5 - 20 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:38 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:33:51 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	264338	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	355982	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	170031	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	193876	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	242656	95.04	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	190.08%#
43) surr1,1,2-dichloroethane-d	4.47	65	261481	94.55	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	189.10%#
65) SURR3,Toluene-d8	7.89	98	692862	96.11	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	192.22%#
86) SURR2,BFB	10.25	95	292883	91.97	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	183.94%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	86028	21.82	ug/L	98
3) Chloromethane	1.19	50	53632	20.15	ug/L	94
4) Vinyl Chloride	1.27	62	63905	19.82	ug/L	97
5) Bromomethane	1.44	94	36350	18.65	ug/L	99
6) Chloroethane	1.51	64	31326	19.66	ug/L	97
7) Freon 21	1.53	67	95688	19.92	ug/L	97
8) Freon 123	1.71	83	61833	20.54	ug/L	96
9) Freon 123a	1.73	67	48830	20.56	ug/L	91
10) Acrolein	1.79	56	18503	90.27	ug/L	89
11) Trichlorofluoromethane	1.79	101	77880	21.11	ug/L	97
12) Acetonitrile	1.80	41	15333m	106.38	ug/L	
13) 2-Propanol	1.83	45	36410	368.02	ug/L	92
14) Acetone	1.86	43	8644	17.00	ug/L	82
15) Diethyl Ether	1.94	59	25745	20.31	ug/L	91
16) 1,1-Dicethene	2.10	96	36991	20.31	ug/L	95
17) Iodomethane	2.11	142	56543	19.10	ug/L	93
18) TBA	2.13	59	68480m	401.26	ug/L	
19) Acrylonitrile	2.14	53	55392	100.93	ug/L	99
20) Methylene Chloride	2.20	84	39787	20.56	ug/L	96
21) Freon 113	2.25	101	43405	20.21	ug/L	96
22) Methyl Acetate	2.25	43	32761	20.07	ug/L	98
23) Allyl Chloride	2.26	76	16721	22.30	ug/L	100
24) Carbon Disulfide	2.31	76	114390	20.00	ug/L	98
25) trans-1,2-Dichloroethene	2.69	96	40792	21.02	ug/L	99
26) Methyl-t-Butyl Ether	2.81	73	105292	21.11	ug/L	98
27) 1,1-Dicethane	2.90	63	63613	20.82	ug/L	95
28) Propionitrile	2.92	54	19697	99.71	ug/L	90
29) Vinyl Acetate	3.09	43	69334	19.73	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.26	53	53921	20.71	ug/L	93
31) 2-Butanone	3.37	43	11290	17.03	ug/L	94
32) Methacrylonitrile	3.45	67	12574	19.53	ug/L	# 87
33) cis-1,2-Dichloroethene	3.47	96	42900	20.70	ug/L	86
34) Bromochloromethane	3.64	128	23521	20.01	ug/L	94
35) Chloroform	3.72	83	72986	20.68	ug/L	99
36) 2,2-Dichloropropane	3.79	77	67088	20.24	ug/L	97
37) Ethyl Acetate	3.82	43	57312	40.63	ug/L	96
38) Tetrahydrofuran	4.14	42	7893	19.70	ug/L	84
39) 1,1,1-Trichloroethane	4.73	97	72071	21.03	ug/L	99
42) Iso-Butyl Alcohol	3.96	42	14420	359.66	ug/L	# 88

(#)=qualifier out of range (m)=manual integration

D7727.D W082417.M Thu Aug 24 17:39:52 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D

Vial: 10

Acq On : 24 Aug 2017 12:00 pm

Operator: D.Lipani

Sample : STD #5 - 20 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:38 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:33:51 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-Dichloroethane	4.59	64	18607	19.08	ug/L	95
45) 2-Methyl-1,3-Dioxolane	4.82	73	21749	92.14	ug/L	91
46) 1,1-Dichloropropene	5.08	75	53535	20.77	ug/L	92
47) Cyclohexane	5.16	56	53060	20.05	ug/L	92
48) Carbontetrachloride	5.31	119	58880	20.54	ug/L	97
49) Benzene	5.40	78	144797	20.75	ug/L	100
50) Isopropyl Acetate	5.41	43	65360	19.21	ug/L	98
51) Dibromomethane	6.17	93	29478	19.98	ug/L	93
52) 1,2-Dichloropropane	6.24	63	34955	19.40	ug/L	98
53) n-Heptane	6.35	43	37221	19.15	ug/L	98
54) Trichloroethene	6.32	130	46450	20.12	ug/L	98
55) Bromodichloromethane	6.36	83	55704	20.19	ug/L	98
56) 1,4-Dioxane	6.58	88	6647m	374.26	ug/L	
57) Epichlorohydrin	6.74	57	12678m	89.42	ug/L	
58) Methyl Methacrylate	6.75	69	23386	19.44	ug/L	94
59) Methylcyclohexane	6.90	55	41037	18.84	ug/L	96
60) 2-Chloroethylvinyl Ether	7.02	63	20050	17.94	ug/L	96
61) cis-1,3-Dichloropropene	7.18	75	63943	19.94	ug/L	95
62) 4-Methyl-2-pentanone	7.37	43	29610	18.53	ug/L	99
63) trans-1,3-Dichloropropene	7.66	75	60512	20.86	ug/L	99
64) 1,1,2-Trichloroethane	7.78	97	36152	20.59	ug/L	97
66) Toluene	7.96	91	162923	20.57	ug/L	99
68) 1,3-Dichloropropane	8.01	76	56821	19.96	ug/L	95
69) Ethyl Methacrylate	8.20	69	45083	19.55	ug/L	90
70) Dibromochloromethane	8.21	129	45490	19.41	ug/L	98
71) 2-Hexanone	8.26	43	20086	17.71	ug/L	97
72) 1,2-Dibromoethane	8.43	107	40349	19.65	ug/L	98
73) n-Butyl Acetate	8.63	43	49984	19.04	ug/L	97
74) Tetrachloroethene	8.63	164	40306	19.86	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.16	131	41496	19.56	ug/L	93
76) Chlorobenzene	9.22	112	110125	19.90	ug/L	97
77) Ethylbenzene	9.44	106	56261	19.86	ug/L	93
78) Bromoform	9.61	173	28929	18.38	ug/L	98
79) (m+p)Xylene	9.61	106	139935	39.46	ug/L	95
80) o-Xylene	9.94	106	70731	20.73	ug/L	95
81) Cyclohexanone	9.84	55	25272	386.81	ug/L	94
82) Styrene	9.87	104	111402	20.43	ug/L	100
83) Amyl Acetate	9.99	43	72017	19.68	ug/L	96
84) trans-1,4-Dichloro-2-Buten	10.11	75	12779	16.13	ug/L	88
85) Isopropylbenzene	10.25	105	183059	21.03	ug/L	97
88) 1,1,2,2-Tetrachloroethane	9.92	83	45057	19.45	ug/L	98
89) 1,2,3-Trichloropropane	10.04	75	33022	18.89	ug/L	97
90) Bromobenzene	10.39	156	58200	20.25	ug/L	98
91) n-Propylbenzene	10.60	91	199195	19.38	ug/L	99
92) 2-Chlorotoluene	10.65	91	118038	19.75	ug/L	95
93) 4-Chlorotoluene	10.71	91	124372	19.35	ug/L	98
94) 1,3,5-Trimethylbenzene	10.87	105	143826	20.17	ug/L	98
95) tert-Butylbenzene	11.07	119	124684	20.10	ug/L	96
96) 1,2,4-Trimethylbenzene	11.16	105	148023	19.35	ug/L	98
97) sec-Butylbenzene	11.24	105	180213	20.39	ug/L	96
98) 1,3-Dichlorobenz	11.26	146	99526	20.36	ug/L	100
99) 1,4-Dichlorobenz	11.31	146	102088	20.86	ug/L	99
100) p-Isopropyltoluene	11.41	119	148692	20.41	ug/L	98
101) 1,2-Dichlorobenz	11.58	146	97446	19.93	ug/L	98

(#)=qualifier out of range (m)=manual integration

D7727.D W082417.M Thu Aug 24 17:39:53 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7727.D Vial: 10
Acq On : 24 Aug 2017 12:00 pm Operator: D.Lipani
Sample : STD #5 - 20 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:38 2017 Quant Results File: W082417.RES

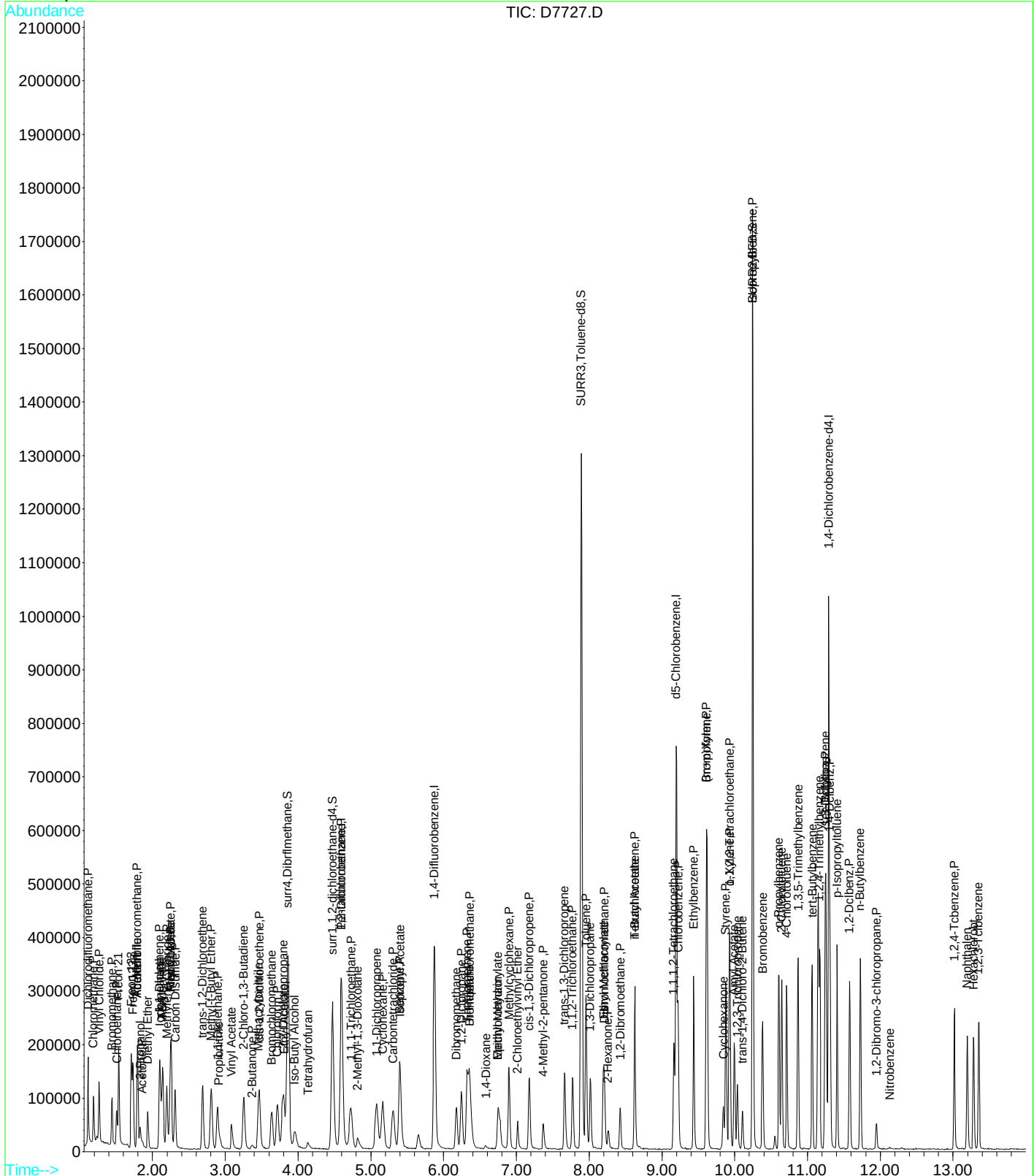
Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:33:51 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) n-Butylbenzene	11.72	91	141971	21.14	ug/L	96
103) 1,2-Dibromo-3-chloropropan	11.94	75	8042	18.86	ug/L	96
104) Nitrobenzene	12.13	77	920	30.45	ug/L	96
105) 1,2,4-Tcbenzene	13.02	180	64929	19.28	ug/L	100
106) Naphthalen	13.20	128	124704	19.58	ug/L	98
107) Hexachlorobt	13.29	225	31470	19.07	ug/L	97
108) 1,2,3-Tclbenzene	13.35	180	58280	20.11	ug/L	98

1st	<u>DL</u>	08/25/17
2nd	<u>FW</u>	08/26/17

Vial: 10
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQDATA\MSVOA6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:33:51 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7728.D

Vial: 11

Acq On : 24 Aug 2017 12:27 pm

Operator: D.Lipani

Sample : STD #6 - 50 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:10 2017

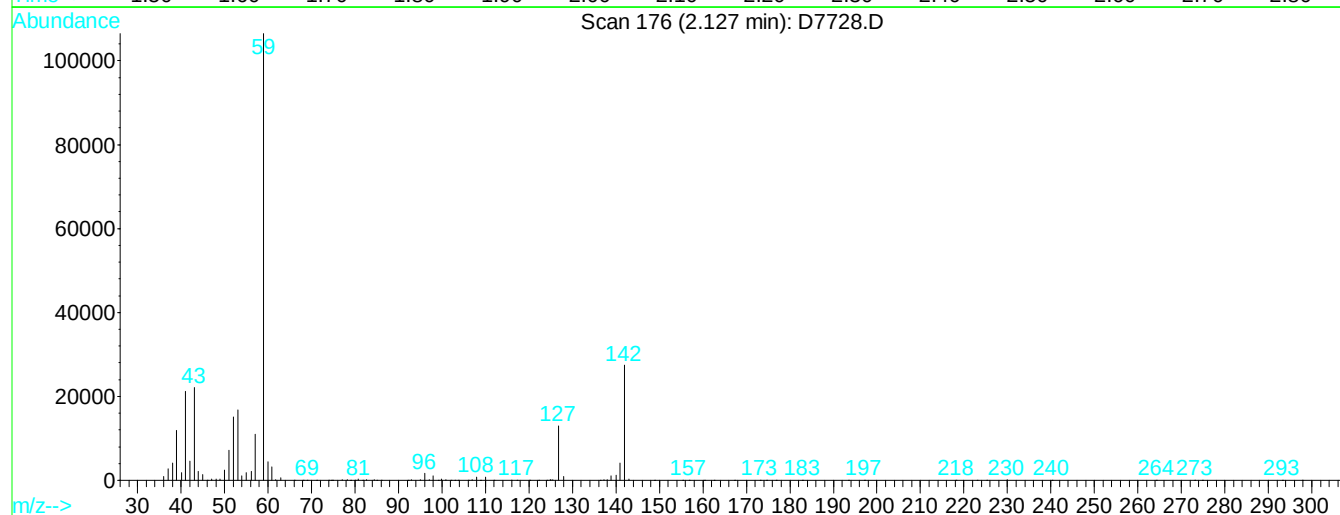
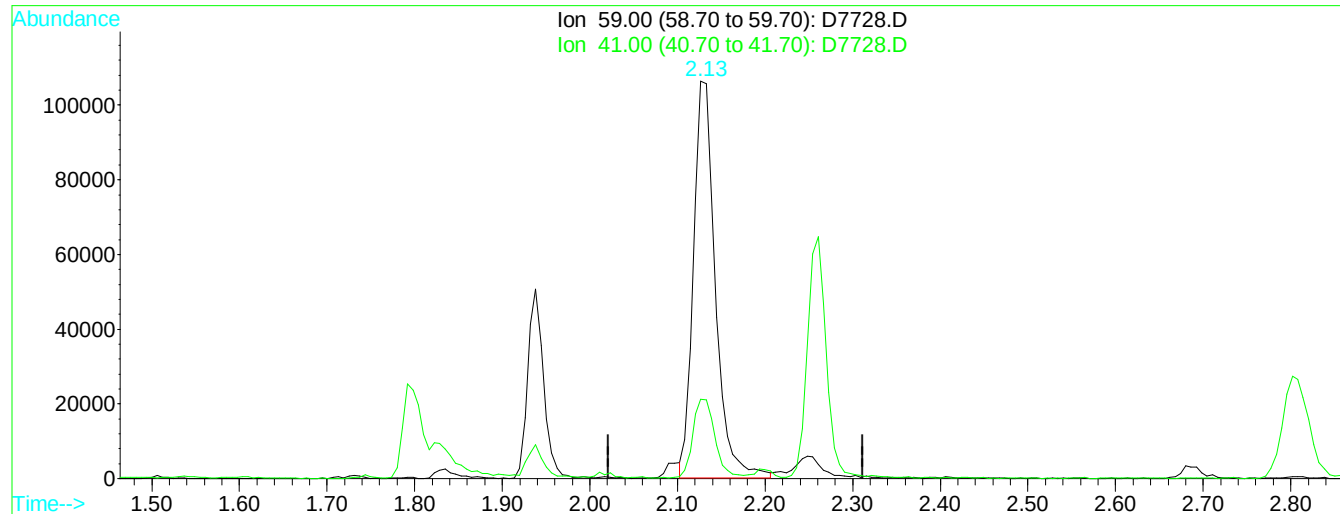
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:09:17 2017

Response via : Multiple Level Calibration



TIC: D7728.D

(18) TBA

Manual Integration:

2.13min 1008.34ug/L m

After

response 184921

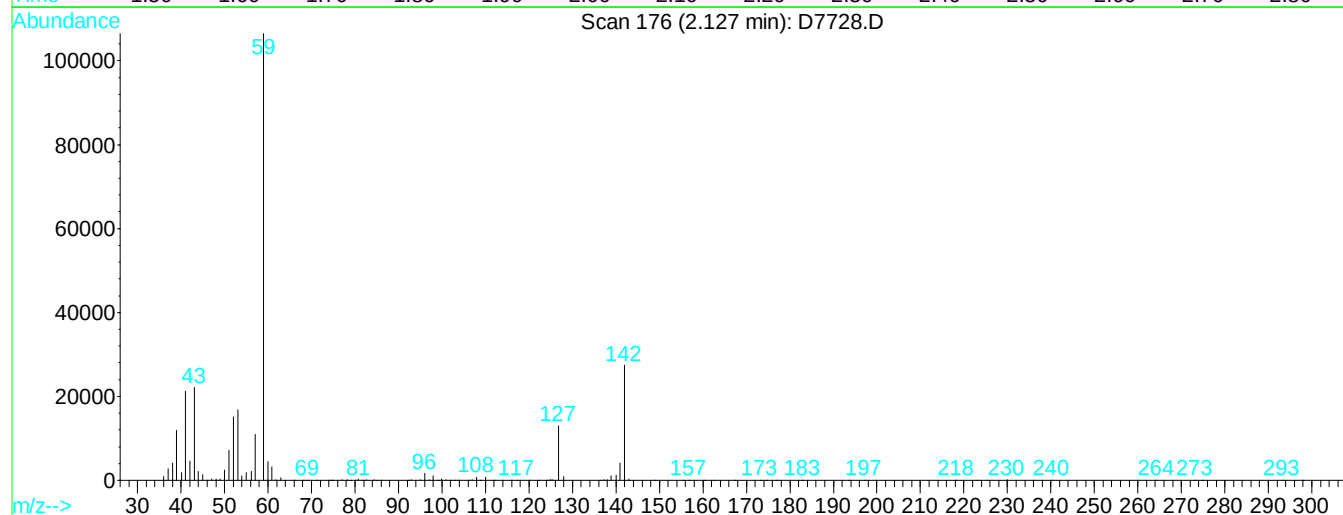
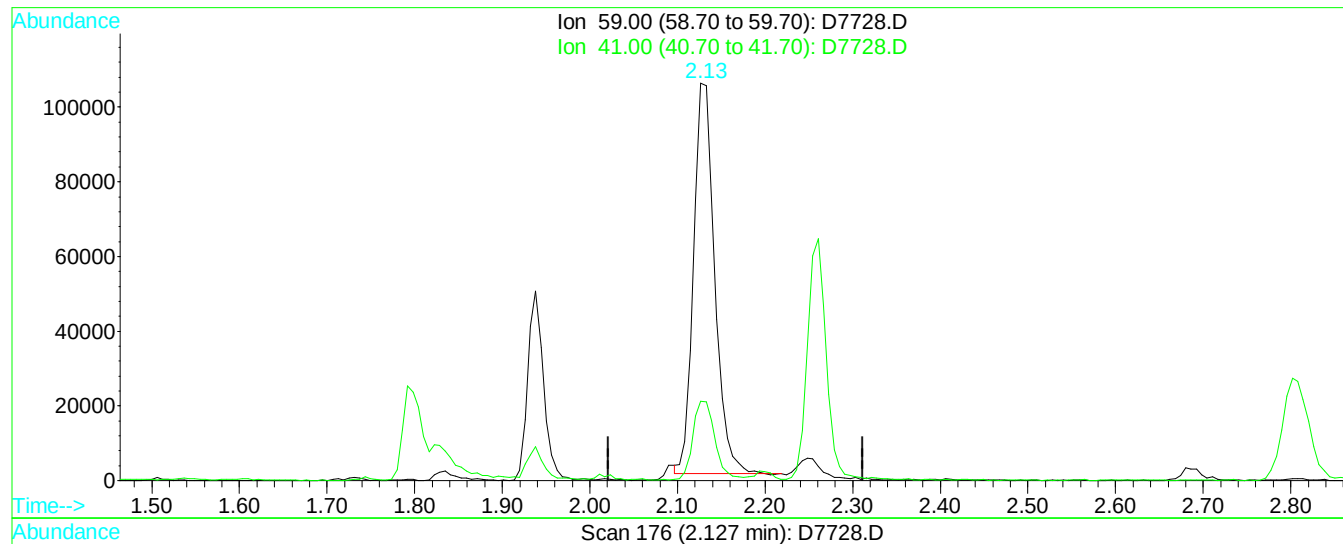
Poor integration.

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	19.91
0.00	0.00	0.00
0.00	0.00	0.00

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7728.D Vial: 11
Acq On : 24 Aug 2017 12:27 pm Operator: D.Lipani
Sample : STD #6 - 50 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:09 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:09:17 2017
Response via : Multiple Level Calibration



TIC: D7728.D

(18) TBA

Manual Integration:

2.13min 955.92ug/L

Before

response 175309

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	19.91
0.00	0.00	0.00
0.00	0.00	0.00

08/24/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7728.D

Vial: 11

Acq On : 24 Aug 2017 12:27 pm

Operator: D.Lipani

Sample : STD #6 - 50 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:10 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:09:17 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	283985	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	367671	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	169740	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	202862	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4, Dibrflmethane	3.86	113	136816	51.88	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	103.76%
43) surr1, 1,2-dichloroethane-d	4.47	65	147237	51.55	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	103.10%
65) SURR3, Toluene-d8	7.89	98	407623	54.75	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	109.50%
86) SURR2, BFB	10.25	95	172254	54.18	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	108.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.12	85	200301	47.28	ug/L 100
3) Chloromethane	1.19	50	133002	46.51	ug/L 100
4) Vinyl Chloride	1.27	62	163786	47.29	ug/L 100
5) Bromomethane	1.44	94	93594	44.71	ug/L 100
6) Chloroethane	1.51	64	79561	46.45	ug/L 100
7) Freon 21	1.54	67	229323	44.43	ug/L 100
8) Freon 123	1.71	83	142714	44.14	ug/L 100
9) Freon 123a	1.73	67	115072	45.12	ug/L 100
10) Acrolein	1.79	56	56519	256.65	ug/L 100
11) Trichlorofluoromethane	1.79	101	188997	47.69	ug/L 100
12) Acetonitrile	1.79	41	37891	244.77	ug/L 100
13) 2-Propanol	1.83	45	106127	998.48	ug/L 100
14) Acetone	1.86	43	28503	52.17	ug/L 100
15) Diethyl Ether	1.94	59	63840	46.91	ug/L 100
16) 1,1-Dicethene	2.10	96	93841	47.97	ug/L 100
17) Iodomethane	2.11	142	160839	50.58	ug/L 100
18) TBA	2.13	59	184921m	1008.34	ug/L 100
19) Acrylonitrile	2.14	53	144146	244.46	ug/L 100
20) Methylene Chloride	2.20	84	97957	47.12	ug/L 100
21) Freon 113	2.24	101	106167	46.01	ug/L 100
22) Methyl Acetate	2.25	43	88887	50.69	ug/L 100
23) Allyl Chloride	2.26	76	39816	49.42	ug/L 100
24) Carbon Disulfide	2.31	76	287796	46.84	ug/L 100
25) trans-1,2-Dichloroethene	2.69	96	99409	47.69	ug/L 100
26) Methyl-t-Butyl Ether	2.81	73	264774	49.42	ug/L 100
27) 1,1-Dicethane	2.89	63	157176	47.87	ug/L 100
28) Propionitrile	2.92	54	55311	260.62	ug/L 100
29) Vinyl Acetate	3.09	43	190830	50.56	ug/L 100
30) 2-Chloro-1,3-Butadiene	3.25	53	143613	51.35	ug/L 100
31) 2-Butanone	3.36	43	35512	49.86	ug/L 100
32) Methacrylonitrile	3.45	67	33799	48.86	ug/L 100
33) cis-1,2-Dichloroethene	3.46	96	108919	48.93	ug/L 100
34) Bromochloromethane	3.64	128	61111	48.39	ug/L 100
35) Chloroform	3.71	83	180531	47.61	ug/L 100
36) 2,2-Dichloropropane	3.79	77	164214	46.12	ug/L 100
37) Ethyl Acetate	3.81	43	165118	108.95	ug/L 100
38) Tetrahydrofuran	4.13	42	22046	51.22	ug/L 100
39) 1,1,1-Trichloroethane	4.73	97	171612	46.61	ug/L 100
42) Iso-Butyl Alcohol	3.95	42	40823	985.82	ug/L 100

(#)=qualifier out of range (m)=manual integration

D7728.D W082417.M Thu Aug 24 17:13:08 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7728.D

Vial: 11

Acq On : 24 Aug 2017 12:27 pm

Operator: D.Lipani

Sample : STD #6 - 50 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 24 17:10 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Thu Aug 24 17:09:17 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-Dichloroethane	4.60	64	46189	45.85	ug/L	100
45) 2-Methyl-1,3-Dioxolane	4.82	73	60752	249.20	ug/L	100
46) 1,1-Dichloropropene	5.08	75	130919	49.17	ug/L	100
47) Cyclohexane	5.16	56	124380	45.50	ug/L	100
48) Carbontetrachloride	5.31	119	145798	49.26	ug/L	100
49) Benzene	5.40	78	341770	47.42	ug/L	100
50) Isopropyl Acetate	5.41	43	180534	51.38	ug/L	100
51) Dibromomethane	6.17	93	71414	46.87	ug/L	100
52) 1,2-Dichloropropane	6.25	63	88354	47.48	ug/L	100
53) n-Heptane	6.34	43	96236	47.93	ug/L	100
54) Trichloroethene	6.32	130	114663	48.09	ug/L	100
55) Bromodichloromethane	6.37	83	136730	47.97	ug/L	100
56) 1,4-Dioxane	6.58	88	19141	1043.47	ug/L	100
57) Epichlorohydrin	6.73	57	37758	257.84	ug/L	100
58) Methyl Methacrylate	6.75	69	60750	48.89	ug/L	100
59) Methylcyclohexane	6.90	55	100776	44.81	ug/L	100
60) 2-Chloroethylvinyl Ether	7.02	63	56931	49.33	ug/L	100
61) cis-1,3-Dichloropropene	7.18	75	157016	47.40	ug/L	100
62) 4-Methyl-2-pentanone	7.37	43	84927	51.45	ug/L	100
63) trans-1,3-Dichloropropene	7.66	75	147355	49.18	ug/L	100
64) 1,1,2-Trichloroethane	7.77	97	89993	49.62	ug/L	100
66) Toluene	7.96	91	383920	46.93	ug/L	100
68) 1,3-Dichloropropane	8.02	76	136096	47.89	ug/L	100
69) Ethyl Methacrylate	8.19	69	118120	51.32	ug/L	100
70) Dibromochloromethane	8.21	129	117749	50.33	ug/L	100
71) 2-Hexanone	8.26	43	62075	54.82	ug/L	100
72) 1,2-Dibromoethane	8.43	107	100616	49.09	ug/L	100
73) n-Butyl Acetate	8.63	43	139381	53.20	ug/L	100
74) Tetrachloroethene	8.62	164	99827	49.26	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.17	131	106794	50.42	ug/L	100
76) Chlorobenzene	9.22	112	263579	47.71	ug/L	100
77) Ethylbenzene	9.44	106	141759	50.12	ug/L	100
78) Bromoform	9.62	173	81965	52.17	ug/L	100
79) (m+p)Xylene	9.62	106	343492	97.03	ug/L	100
80) o-Xylene	9.93	106	174657	51.27	ug/L	100
81) Cyclohexanone	9.85	55	65973	1011.54	ug/L	100
82) Styrene	9.88	104	275113	50.54	ug/L	100
83) Amyl Acetate	9.99	43	190996	52.29	ug/L	100
84) trans-1,4-Dichloro-2-Buten	10.10	75	38886	49.17	ug/L	100
85) Isopropylbenzene	10.25	105	418072	48.11	ug/L	100
88) 1,1,2,2-Tetrachloroethane	9.93	83	122553	50.57	ug/L	100
89) 1,2,3-Trichloropropane	10.04	75	87230	47.69	ug/L	100
90) Bromobenzene	10.38	156	143196	47.61	ug/L	100
91) n-Propylbenzene	10.61	91	482012	44.83	ug/L	100
92) 2-Chlorotoluene	10.65	91	266757	42.65	ug/L	100
93) 4-Chlorotoluene	10.72	91	314112	46.70	ug/L	100
94) 1,3,5-Trimethylbenzene	10.87	105	347627	46.58	ug/L	100
95) tert-Butylbenzene	11.06	119	304092	46.86	ug/L	100
96) 1,2,4-Trimethylbenzene	11.17	105	362321	45.27	ug/L	100
97) sec-Butylbenzene	11.25	105	433204	46.84	ug/L	100
98) 1,3-Dichlorobenz	11.26	146	248269	48.55	ug/L	100
99) 1,4-Dichlorobenz	11.31	146	250786	48.97	ug/L	100
100) p-Isopropyltoluene	11.41	119	367094	48.15	ug/L	100
101) 1,2-Dichlorobenz	11.58	146	237305	46.38	ug/L	100

(#)=qualifier out of range (m)=manual integration

D7728.D W082417.M Thu Aug 24 17:13:10 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7728.D Vial: 11
Acq On : 24 Aug 2017 12:27 pm Operator: D.Lipani
Sample : STD #6 - 50 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:10 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:09:17 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) n-Butylbenzene	11.73	91	336578	47.90	ug/L	100
103) 1,2-Dibromo-3-chloropropan	11.95	75	23017	51.58	ug/L	100
104) Nitrobenzene	12.13	77	2493	78.86	ug/L	100
105) 1,2,4-Tcbenzene	13.02	180	167124	47.42	ug/L	100
106) Naphthalen	13.20	128	329254	49.42	ug/L	100
107) Hexachlorobt	13.28	225	83495	48.36	ug/L	100
108) 1,2,3-Tclbenzene	13.35	180	152991	50.45	ug/L	100

Quantitation Report

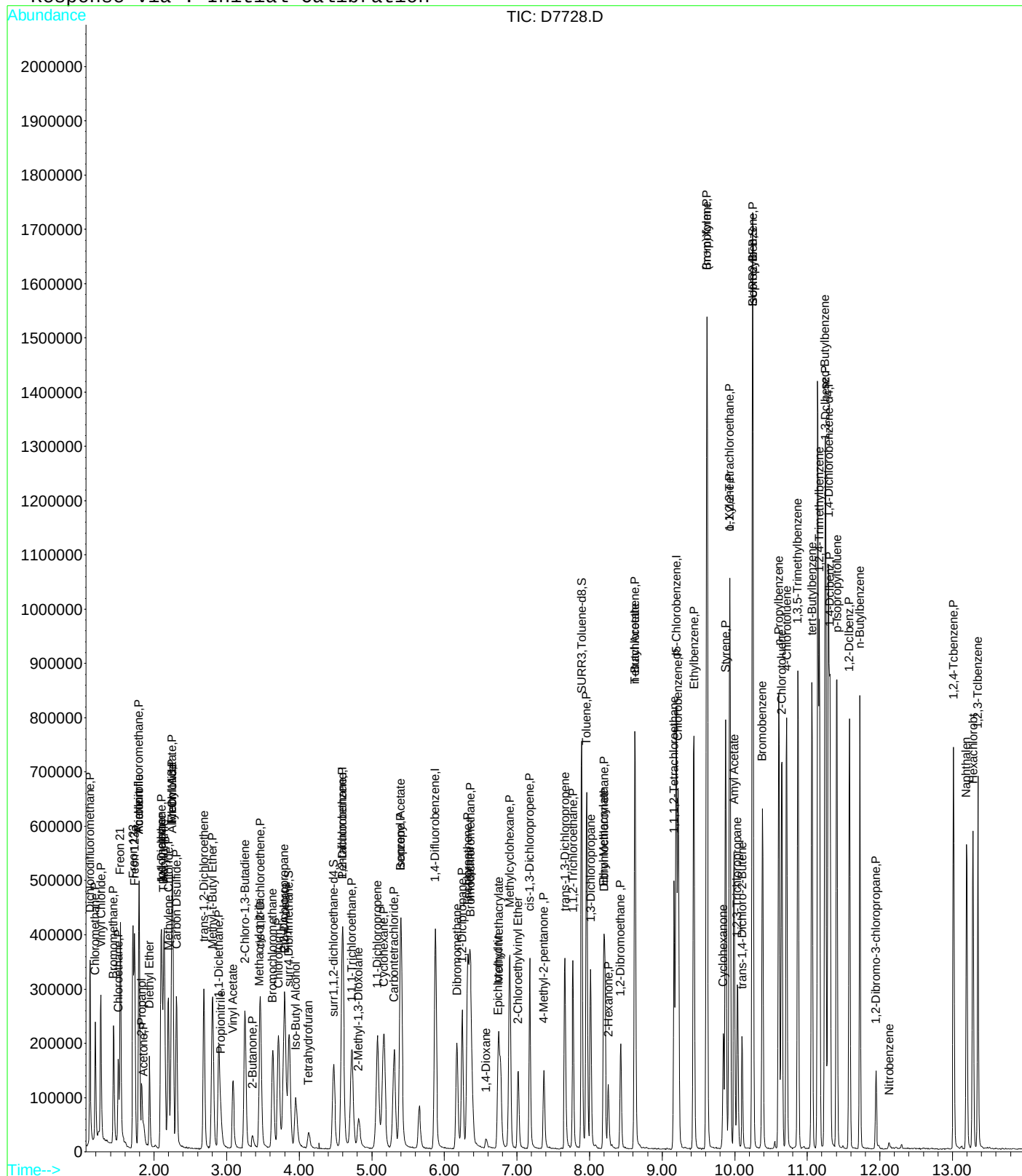
1st DL 08/25/17
2nd FU 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7728.D
Acq On : 24 Aug 2017 12:27 pm
Sample : STD #6 - 50 PPB
Misc : 8260C / 624 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 24 17:10 2017

Vial: 11
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

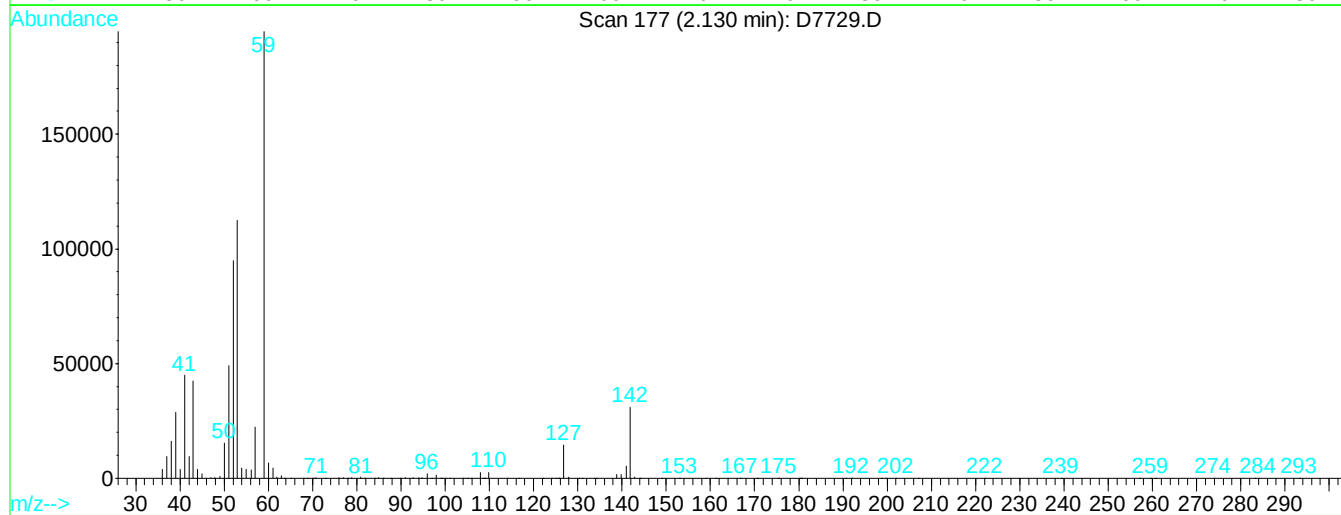
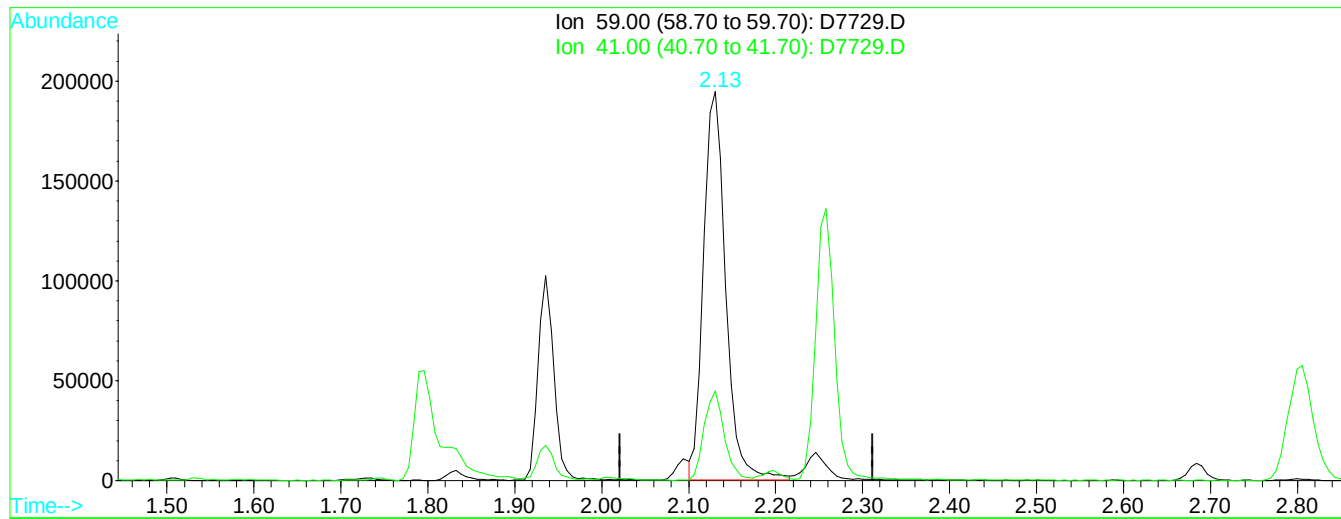
Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Thu Aug 24 17:13:00 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D Vial: 12
Acq On : 24 Aug 2017 1:07 pm Operator: D.Lipani
Sample : STD #7 - 100 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:02 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:54:27 2017
Response via : Multiple Level Calibration



TIC: D7729.D

(18) TBA

2.13min 1827.18ug/L m

response 345570

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	23.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

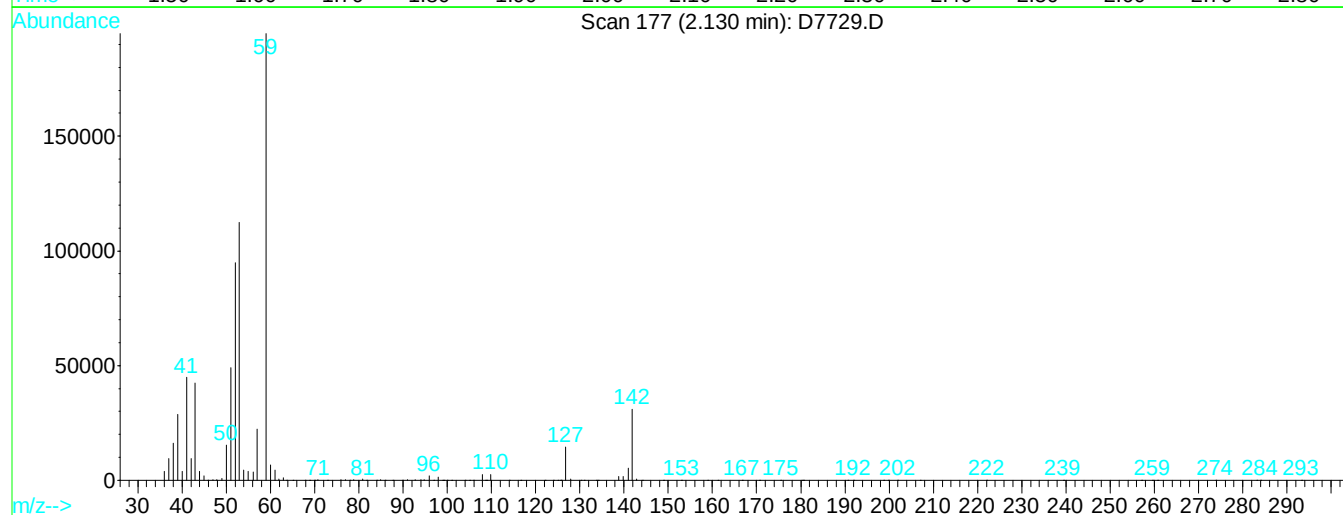
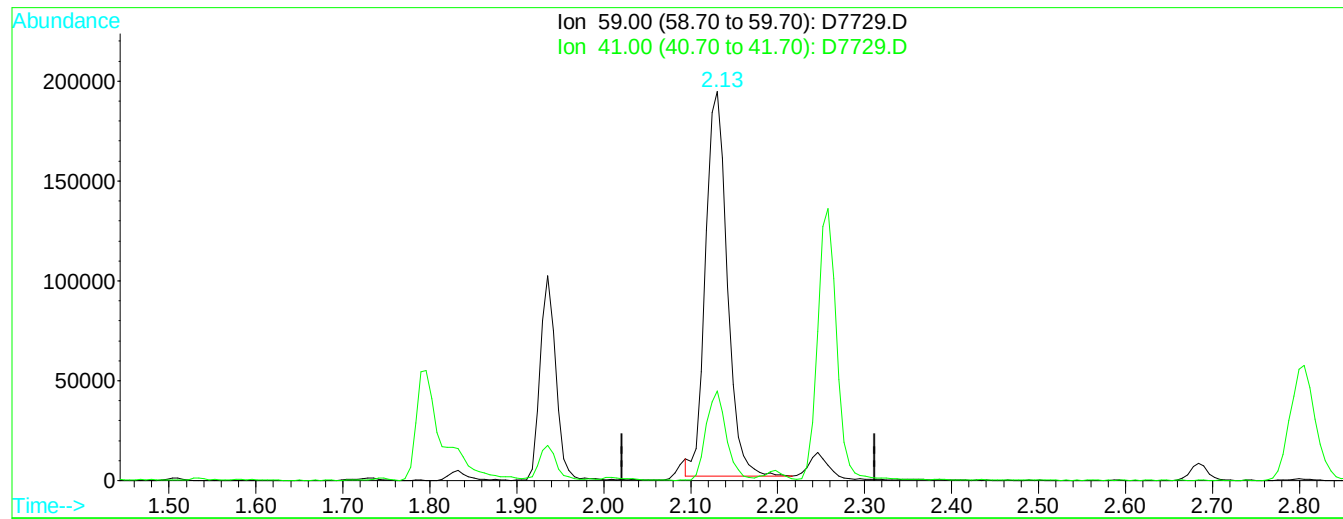
After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D Vial: 12
Acq On : 24 Aug 2017 1:07 pm Operator: D.Lipani
Sample : STD #7 - 100 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:01 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:54:27 2017
Response via : Multiple Level Calibration



TIC: D7729.D

(18) TBA

Manual Integration:

2.13min 1763.90ug/L

Before

response 333602

Ion	Exp%	Act%

08/25/17

59.00	100	100

41.00	19.90	23.04

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D

Vial: 12

Acq On : 24 Aug 2017 1:07 pm

Operator: D.Lipani

Sample : STD #7 - 100 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:04 2017

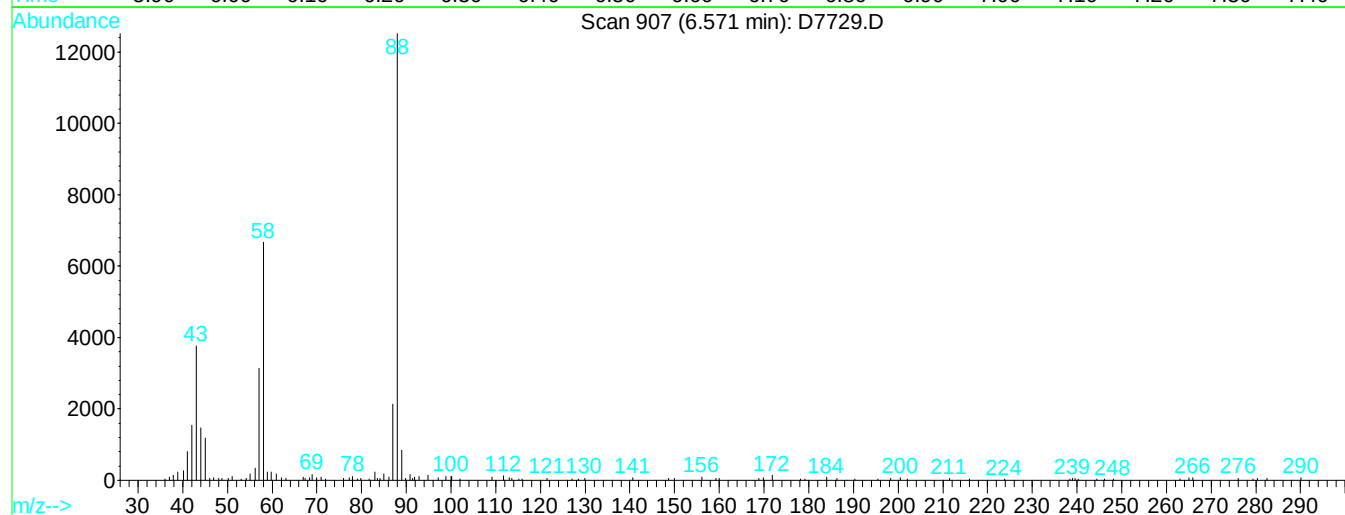
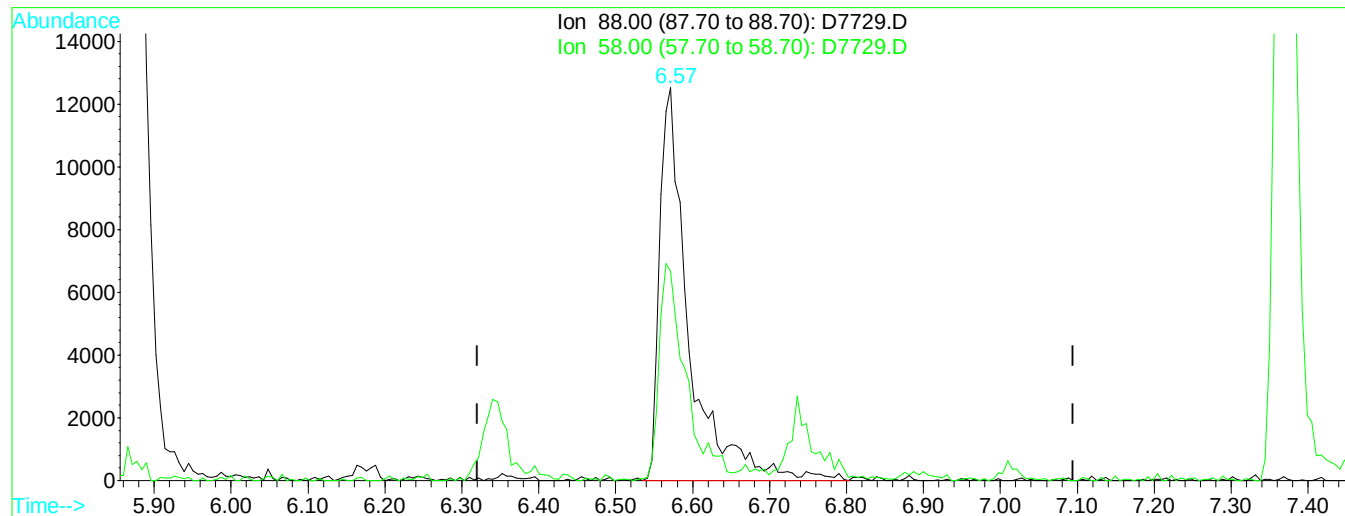
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:54:27 2017

Response via : Single Level Calibration



TIC: D7729.D

(56) 1,4-Dioxane

Manual Integration:

6.57min 1773.87ug/L m

After

response 33375

Split Peak.

08/25/17

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	53.24
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D

Vial: 12

Acq On : 24 Aug 2017 1:07 pm

Operator: D.Lipani

Sample : STD #7 - 100 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:02 2017

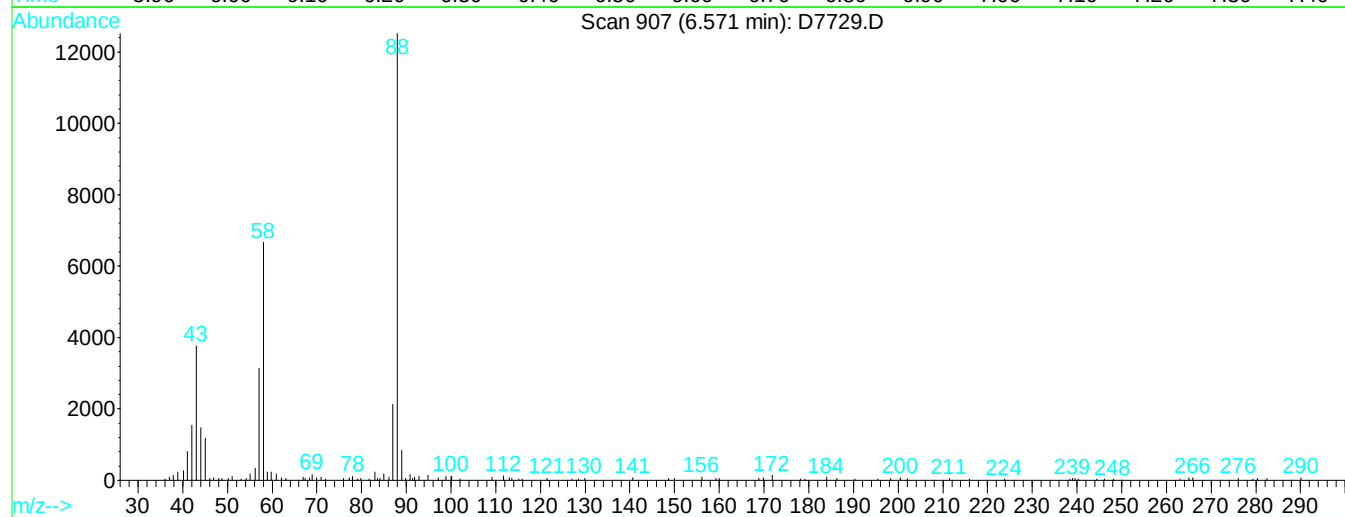
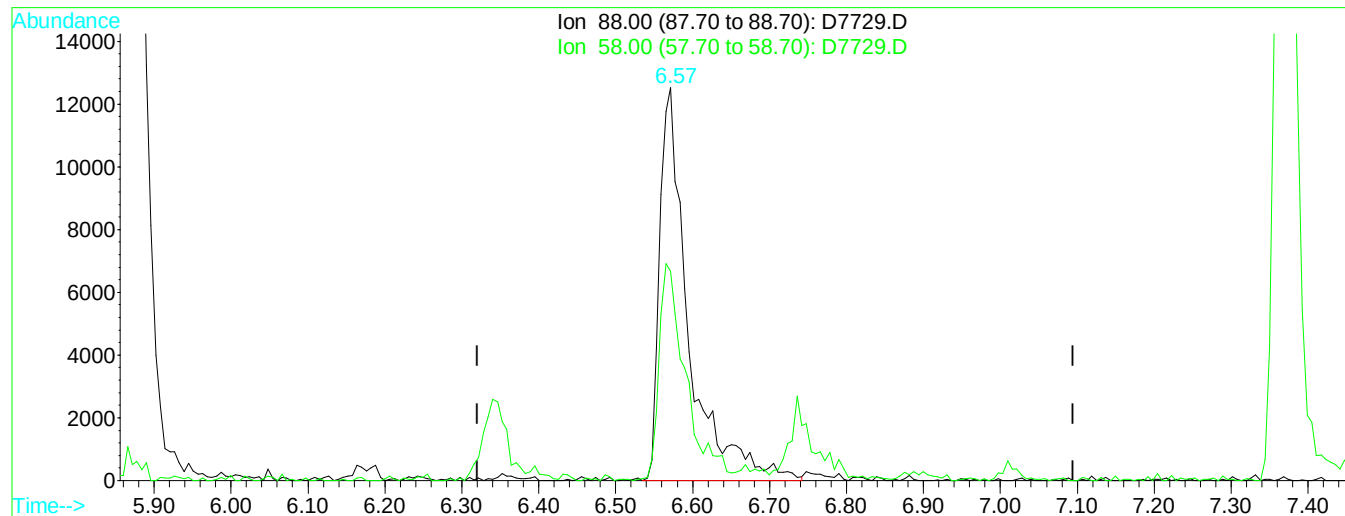
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:54:27 2017

Response via : Single Level Calibration



TIC: D7729.D

(56) 1,4-Dioxane

Manual Integration:

6.57min 1743.36ug/L

Before

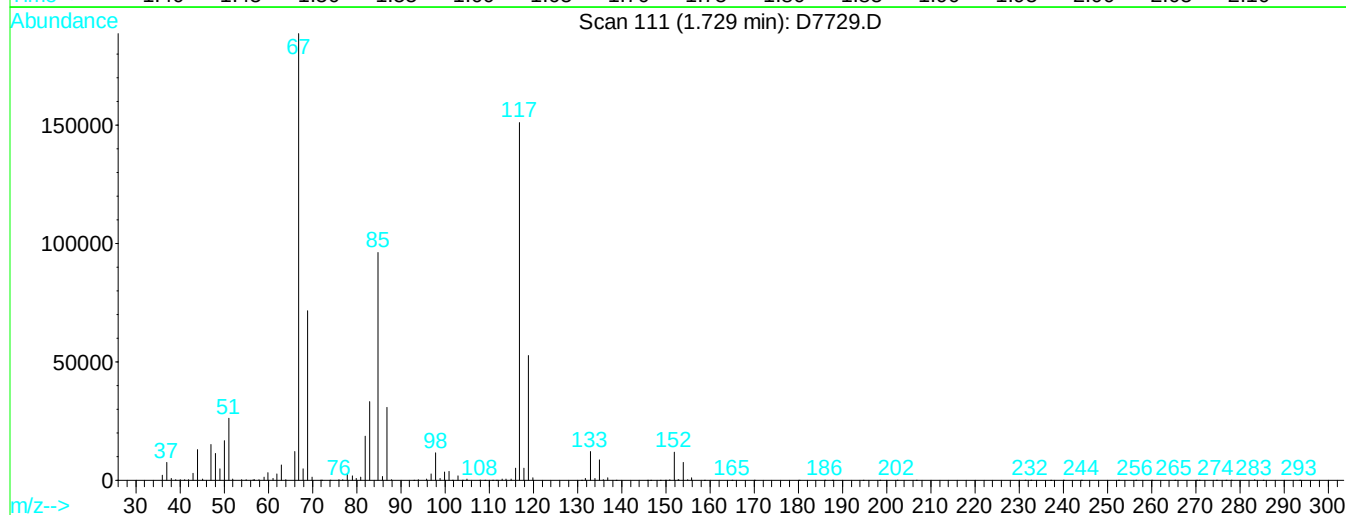
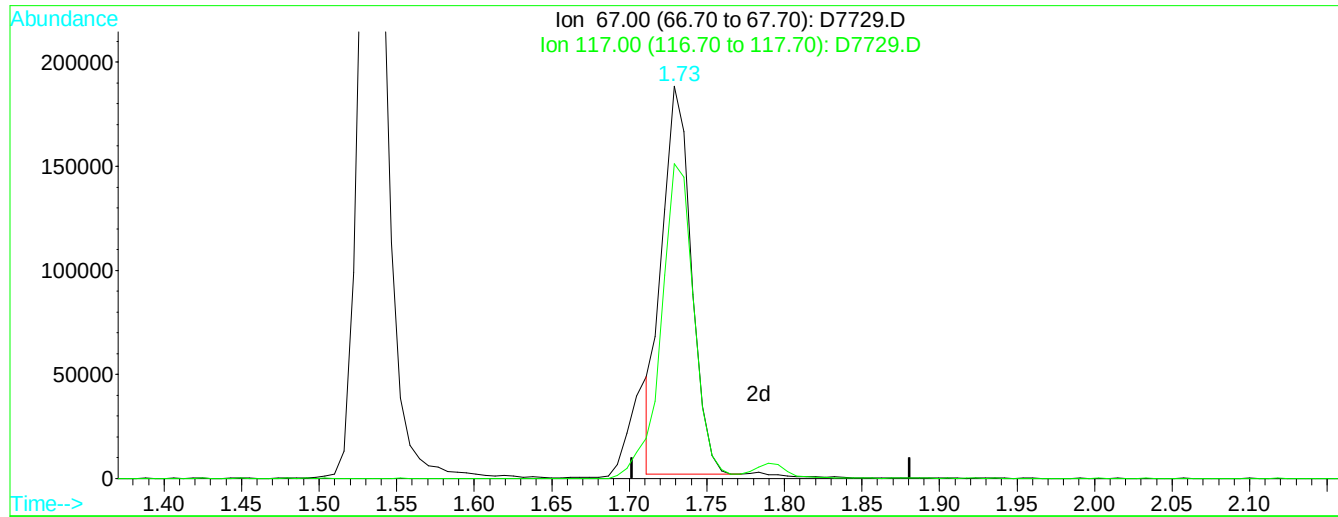
response 32801

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	53.24
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D Vial: 12
Acq On : 24 Aug 2017 1:07 pm Operator: D.Lipani
Sample : STD #7 - 100 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:01 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:54:27 2017
Response via : Multiple Level Calibration



TIC: D7729.D

(9) Freon 123a

Manual Integration:

1.73min 92.32ug/L

Before

response 245492

Ion	Exp%	Act%
67.00	100	100
117.00	81.00	80.14
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D

Vial: 12

Acq On : 24 Aug 2017 1:07 pm

Operator: D.Lipani

Sample : STD #7 - 100 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:04 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:54:27 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	295167	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	375628	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	175374	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	218231	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	334238	124.06	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	248.12%#
43) surr1,1,2-dichloroethane-d	4.47	65	357548	122.53	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	245.06%#
65) SURR3,Toluene-d8	7.89	98	888073	116.76	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	233.52%#
86) SURR2,BFB	10.25	95	413363	125.85	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	251.70%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	378071	85.87	ug/L	97
3) Chloromethane	1.19	50	260732	89.19	ug/L	97
4) Vinyl Chloride	1.26	62	363786	100.93	ug/L	95
5) Bromomethane	1.44	94	217021	99.91	ug/L	100
6) Chloroethane	1.50	64	171892	97.36	ug/L	99
7) Freon 21	1.53	67	470713	87.84	ug/L	99
8) Freon 123	1.71	83	317225	95.33	ug/L	97
9) Freon 123a	1.73	67	245492	92.32	ug/L	99
10) Acrolein	1.78	56	126425	541.45	ug/L	98
11) Trichlorofluoromethane	1.79	101	388867	96.56	ug/L	98
12) Acetonitrile	1.80	41	82796	515.58	ug/L	97
13) 2-Propanol	1.83	45	188555	1706.78	ug/L	97
14) Acetone	1.86	43	51821	93.78	ug/L	99
15) Diethyl Ether	1.94	59	129648	91.15	ug/L	96
16) 1,1-Dicethene	2.09	96	197404	97.06	ug/L	96
17) Iodomethane	2.11	142	398418	120.55	ug/L	99
18) TBA	2.13	59	345570m	1827.18	ug/L	
19) Acrylonitrile	2.14	53	285141	465.83	ug/L	93
20) Methylene Chloride	2.20	84	209284	96.87	ug/L	97
21) Freon 113	2.24	101	232296	99.98	ug/L	96
22) Methyl Acetate	2.25	43	182209	100.03	ug/L	97
23) Allyl Chloride	2.26	76	87419	104.40	ug/L	92
24) Carbon Disulfide	2.31	76	582484	93.64	ug/L	98
25) trans-1,2-Dichloroethene	2.68	96	211183	97.46	ug/L	96
26) Methyl-t-Butyl Ether	2.81	73	521446	93.64	ug/L	96
27) 1,1-Dicethane	2.89	63	325780	99.10	ug/L	96
28) Propionitrile	2.92	54	109868	498.07	ug/L	98
29) Vinyl Acetate	3.09	43	397988	101.89	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.25	53	301785	103.82	ug/L	95
31) 2-Butanone	3.35	43	74816	100.91	ug/L	95
32) Methacrylonitrile	3.44	67	71089	98.88	ug/L	90
33) cis-1,2-Dichloroethene	3.47	96	227984	98.53	ug/L	91
34) Bromochloromethane	3.63	128	126325	96.24	ug/L	97
35) Chloroform	3.71	83	372555	94.53	ug/L	94
36) 2,2-Dichloropropane	3.79	77	348428	96.96	ug/L	97
37) Ethyl Acetate	3.81	43	316839	200.47	ug/L	98
38) Tetrahydrofuran	4.13	42	42881	96.38	ug/L	91
39) 1,1,1-Trichloroethane	4.72	97	358404	93.66	ug/L	97
42) Iso-Butyl Alcohol	3.96	42	79241	1886.29	ug/L	96

(#)=qualifier out of range (m)=manual integration

D7729.D W082417.M Fri Aug 25 11:05:38 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D

Vial: 12

Acq On : 24 Aug 2017 1:07 pm

Operator: D.Lipani

Sample : STD #7 - 100 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:04 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 10:54:27 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-Dichloroethane	4.59	64	96543	93.81	ug/L	98
45) 2-Methyl-1,3-Dioxolane	4.81	73	116661	468.40	ug/L	99
46) 1,1-Dichloropropene	5.07	75	274555	100.89	ug/L	96
47) Cyclohexane	5.17	56	275564	98.61	ug/L	92
48) Carbontetrachloride	5.31	119	312351	103.29	ug/L	96
49) Benzene	5.40	78	691956	93.98	ug/L	96
50) Isopropyl Acetate	5.40	43	353199	97.21	ug/L	97
51) Dibromomethane	6.17	93	152290	97.84	ug/L	98
52) 1,2-Dichloropropane	6.25	63	184558	98.14	ug/L	97
53) n-Heptane	6.35	43	207516	100.80	ug/L	95
54) Trichloroethene	6.32	130	241772	99.25	ug/L	99
55) Bromodichloromethane	6.36	83	291710	100.18	ug/L	100
56) 1,4-Dioxane	6.57	88	33375m	1773.87	ug/L	
57) Epichlorohydrin	6.74	57	78798	524.15	ug/L	96
58) Methyl Methacrylate	6.75	69	119059	93.79	ug/L	93
59) Methylcyclohexane	6.90	55	225479	98.40	ug/L	98
60) 2-Chloroethylvinyl Ether	7.02	63	121019	102.64	ug/L	93
61) cis-1,3-Dichloropropene	7.17	75	332010	101.87	ug/L	99
62) 4-Methyl-2-pentanone	7.37	43	162575	96.41	ug/L	100
63) trans-1,3-Dichloropropene	7.66	75	307384	100.41	ug/L	99
64) 1,1,2-Trichloroethane	7.77	97	184748	99.71	ug/L	97
66) Toluene	7.96	91	738813	88.40	ug/L	95
68) 1,3-Dichloropropane	8.02	76	290104	98.80	ug/L	98
69) Ethyl Methacrylate	8.20	69	229877	97.00	ug/L	96
70) Dibromochloromethane	8.21	129	250088	103.70	ug/L	98
71) 2-Hexanone	8.26	43	120020	101.41	ug/L	99
72) 1,2-Dibromoethane	8.43	107	212363	100.29	ug/L	97
73) n-Butyl Acetate	8.63	43	271483	100.27	ug/L	99
74) Tetrachloroethene	8.63	164	211635	101.08	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.17	131	232513	106.25	ug/L	98
76) Chlorobenzene	9.22	112	522212	94.23	ug/L	96
77) Ethylbenzene	9.44	106	287300	98.32	ug/L	93
78) Bromoform	9.61	173	183580	113.08	ug/L	98
79) (m+p)Xylene	9.62	106	696570	190.44	ug/L	90
80) o-Xylene	9.94	106	359805	102.23	ug/L	95
81) Cyclohexanone	9.84	55	115184	1709.27	ug/L	96
82) Styrene	9.88	104	555361	98.74	ug/L	97
83) Amyl Acetate	9.99	43	365013	98.88	ug/L	97
84) trans-1,4-Dichloro-2-Buten	10.11	75	81450	99.52	ug/L	95
85) Isopropylbenzene	10.25	105	806321	89.80	ug/L	95
88) 1,1,2,2-Tetrachloroethane	9.93	83	248627	95.37	ug/L	98
89) 1,2,3-Trichloropropane	10.04	75	176991	89.95	ug/L	99
90) Bromobenzene	10.39	156	297994	92.10	ug/L	98
91) n-Propylbenzene	10.61	91	881549	76.21	ug/L	93
92) 2-Chlorotoluene	10.65	91	567624	84.36	ug/L	98
93) 4-Chlorotoluene	10.71	91	613448	84.78	ug/L	96
94) 1,3,5-Trimethylbenzene	10.87	105	665397	82.89	ug/L	96
95) tert-Butylbenzene	11.07	119	588581	84.31	ug/L	96
96) 1,2,4-Trimethylbenzene	11.17	105	716081	83.20	ug/L	94
97) sec-Butylbenzene	11.24	105	847442	85.15	ug/L	95
98) 1,3-Dichlorobenz	11.26	146	506320	92.03	ug/L	96
99) 1,4-Dichlorobenz	11.32	146	503447	90.31	ug/L	97
100) p-Isopropyltoluene	11.41	119	721272	87.93	ug/L	94
101) 1,2-Dichlorobenz	11.58	146	478557	86.95	ug/L	97

(#)=qualifier out of range (m)=manual integration

D7729.D W082417.M Fri Aug 25 11:05:39 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D Vial: 12
Acq On : 24 Aug 2017 1:07 pm Operator: D.Lipani
Sample : STD #7 - 100 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:04 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:54:27 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) n-Butylbenzene	11.72	91	659431	87.24	ug/L	96
103) 1,2-Dibromo-3-chloropropan	11.94	75	44518	92.73	ug/L	94
104) Nitrobenzene	12.13	77	5128	151.22	ug/L	87
105) 1,2,4-Tcbenzene	13.02	180	343137	90.51	ug/L	98
106) Naphthalen	13.20	128	610455	85.17	ug/L	98
107) Hexachlorobt	13.29	225	178840	96.30	ug/L	98
108) 1,2,3-Tclbenzene	13.35	180	319973	98.09	ug/L	98

Quantitation Report

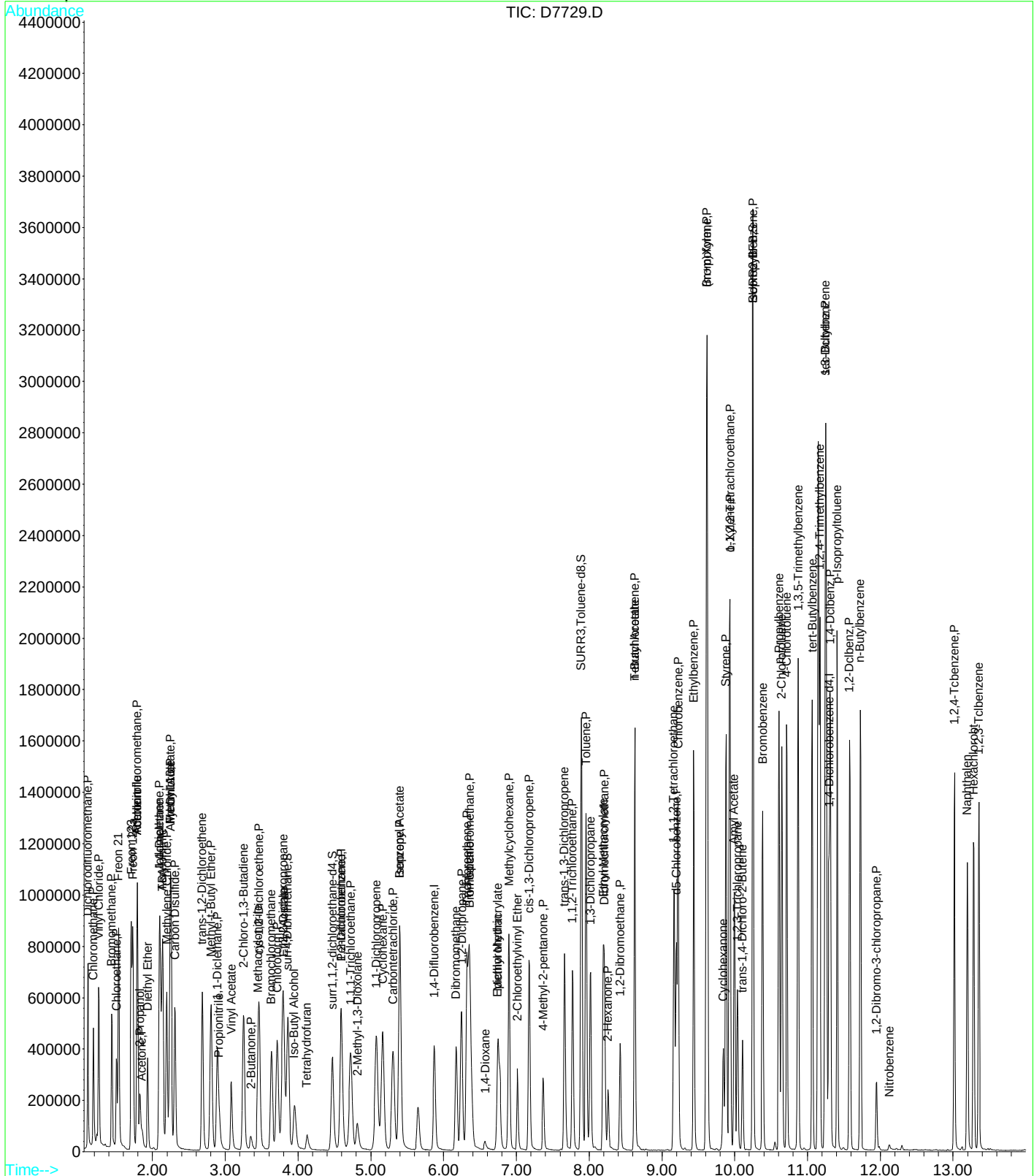
1st *DL* 08/25/17
2nd *FU* 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7729.D
Acq On : 24 Aug 2017 1:07 pm
Sample : STD #7 - 100 PPB
Misc : 8260C / 624 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:04 2017

Vial: 12
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

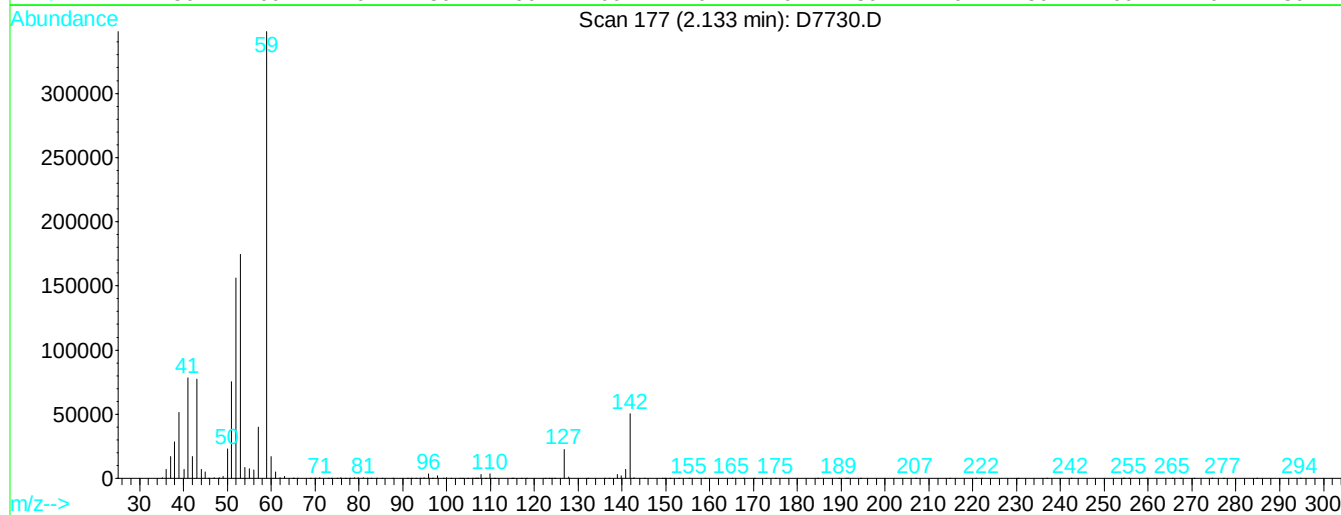
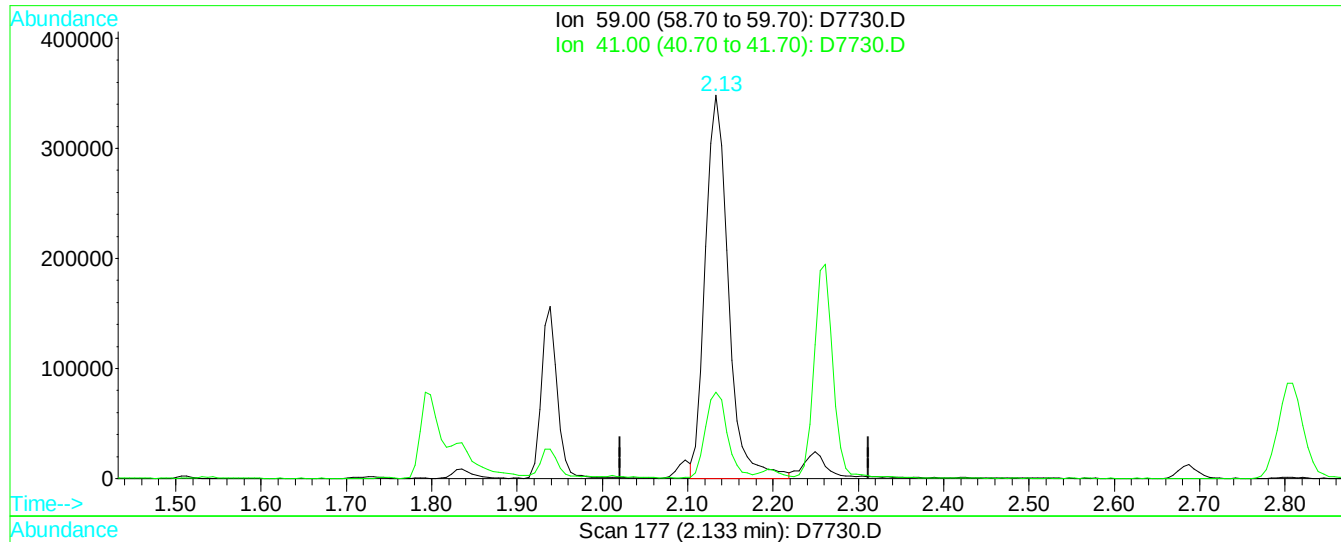
Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 10:54:27 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7730.D Vial: 13
Acq On : 24 Aug 2017 1:34 pm Operator: D.Lipani
Sample : STD #8 - 150 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:07 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:05:49 2017
Response via : Multiple Level Calibration



TIC: D7730.D

(18) TBA

Manual Integration:

2.13min 3290.24ug/L m

After

response 647832

Poor integration.

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	22.48
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7730.D

Vial: 13

Acq On : 24 Aug 2017 1:34 pm

Operator: D.Lipani

Sample : STD #8 - 150 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:06 2017

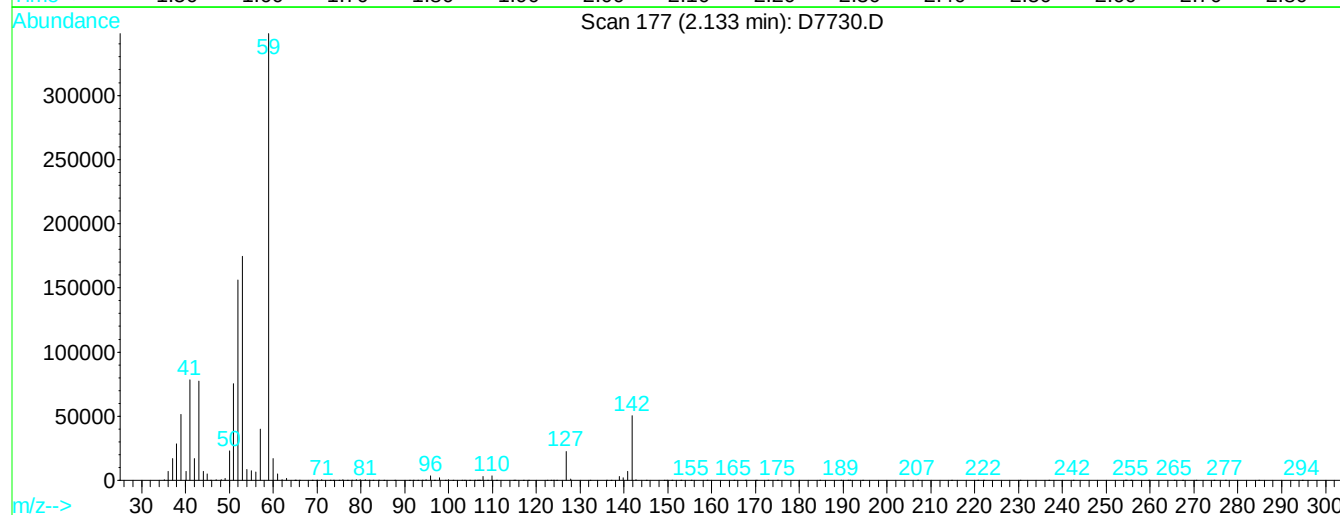
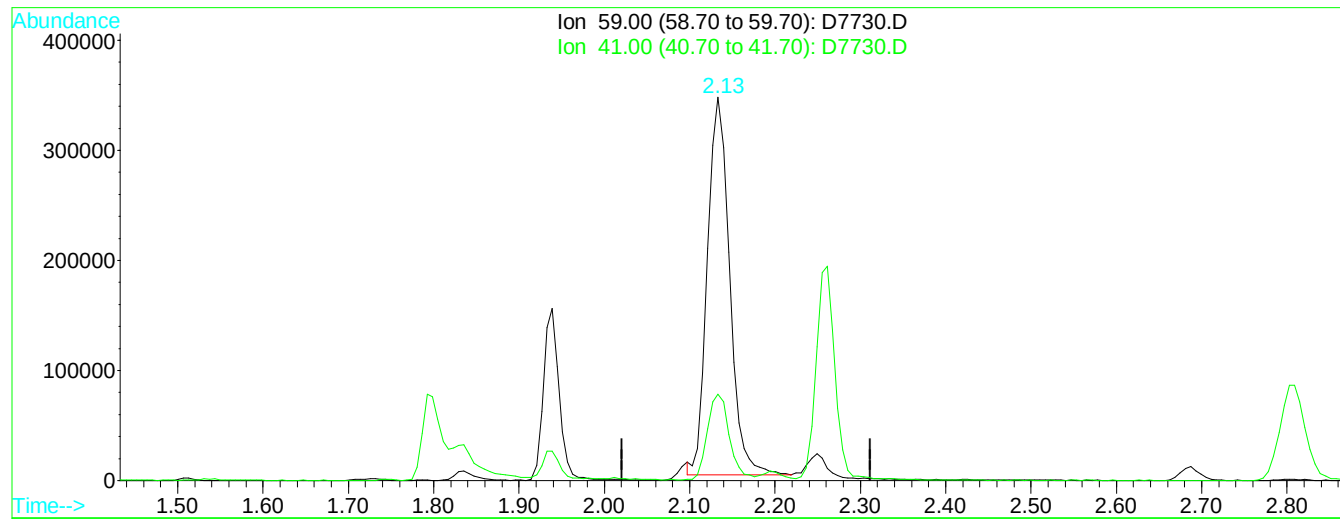
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:05:49 2017

Response via : Multiple Level Calibration



TIC: D7730.D

(18) TBA

Manual Integration:

2.13min 3126.19ug/L

Before

response 615531

Ion	Exp%	Act%

08/25/17

59.00	100	100

41.00	19.90	22.48

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7730.D

Vial: 13

Acq On : 24 Aug 2017 1:34 pm

Operator: D.Lipani

Sample : STD #8 - 150 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:07 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:05:49 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	307302	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	383927	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	179749	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.30	152	223272	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	411026	149.27	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	298.54%#
43) surr1,1,2-dichloroethane-d	4.48	65	440508	147.70	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	295.40%#
65) SURR3,Toluene-d8	7.89	98	1071029	137.77	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	275.54%#
86) SURR2,BFB	10.25	95	528888	157.10	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	314.20%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.11	85	565733	123.42	ug/L	93
3) Chloromethane	1.19	50	400870	131.72	ug/L	94
4) Vinyl Chloride	1.26	62	607454	161.88	ug/L	93
5) Bromomethane	1.44	94	342270	151.35	ug/L	100
6) Chloroethane	1.51	64	264083	143.67	ug/L	98
7) Freon 21	1.54	67	693680	124.34	ug/L	93
8) Freon 123	1.71	83	458278	132.27	ug/L	97
9) Freon 123a	1.73	67	364553	132.45	ug/L	97
10) Acrolein	1.79	56	201111	827.29	ug/L	98
11) Trichlorofluoromethane	1.79	101	566898	135.21	ug/L	96
12) Acetonitrile	1.79	41	120053	717.73	ug/L	93
13) 2-Propanol	1.84	45	357174	3105.43	ug/L	94
14) Acetone	1.86	43	90181	156.76	ug/L	100
15) Diethyl Ether	1.94	59	199030	134.40	ug/L	98
16) 1,1-Dicethene	2.10	96	292267	138.02	ug/L	98
17) Iodomethane	2.11	142	515789	149.91	ug/L	99
18) TBA	2.13	59	647832m	3290.24	ug/L	
19) Acrylonitrile	2.15	53	483412	758.56	ug/L	96
20) Methylene Chloride	2.20	84	311884	138.65	ug/L	97
21) Freon 113	2.24	101	338016	139.74	ug/L	96
22) Methyl Acetate	2.25	43	307272	162.02	ug/L	93
23) Allyl Chloride	2.26	76	123847	142.06	ug/L	97
24) Carbon Disulfide	2.31	76	809525	124.99	ug/L	95
25) trans-1,2-Dichloroethene	2.69	96	318979	141.40	ug/L	97
26) Methyl-t-Butyl Ether	2.81	73	787756	135.87	ug/L	95
27) 1,1-Dicethane	2.89	63	480898	140.51	ug/L	94
28) Propionitrile	2.92	54	195486	851.22	ug/L	90
29) Vinyl Acetate	3.08	43	621368	152.80	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.25	53	445149	147.09	ug/L	92
31) 2-Butanone	3.35	43	123923	160.55	ug/L	96
32) Methacrylonitrile	3.45	67	123879	165.50	ug/L	93
33) cis-1,2-Dichloroethene	3.47	96	348118	144.51	ug/L	95
34) Bromochloromethane	3.64	128	189098	138.37	ug/L	98
35) Chloroform	3.72	83	554525	135.15	ug/L	94
36) 2,2-Dichloropropane	3.79	77	514794	137.59	ug/L	94
37) Ethyl Acetate	3.81	43	523607	319.87	ug/L	97
38) Tetrahydrofuran	4.12	42	72967	157.52	ug/L	85
39) 1,1,1-Trichloroethane	4.73	97	533900	134.02	ug/L	96
42) Iso-Butyl Alcohol	3.96	42	151066	3518.31	ug/L	97

(#)= qualifier out of range (m)= manual integration

D7730.D W082417.M Fri Aug 25 11:10:22 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7730.D

Vial: 13

Acq On : 24 Aug 2017 1:34 pm

Operator: D.Lipani

Sample : STD #8 - 150 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:07 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:05:49 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-Dichloroethane	4.60	64	148126	140.82	ug/L	94
45) 2-Methyl-1,3-Dioxolane	4.82	73	213386	838.24	ug/L	93
46) 1,1-Dichloropropene	5.08	75	409343	147.17	ug/L	92
47) Cyclohexane	5.17	56	411946	144.23	ug/L	92
48) Carbontetrachloride	5.31	119	460705	149.05	ug/L	94
49) Benzene	5.40	78	1011337	134.39	ug/L	93
50) Isopropyl Acetate	5.41	43	582329	156.81	ug/L	95
51) Dibromomethane	6.17	93	231943	145.79	ug/L	99
52) 1,2-Dichloropropane	6.25	63	270425	140.69	ug/L	97
53) n-Heptane	6.35	43	310126	147.39	ug/L	95
54) Trichloroethene	6.32	130	359755	144.50	ug/L	98
55) Bromodichloromethane	6.37	83	439402	147.64	ug/L	99
56) 1,4-Dioxane	6.57	88	66394	3445.03	ug/L	92
57) Epichlorohydrin	6.74	57	147461	959.68	ug/L	98
58) Methyl Methacrylate	6.75	69	206383	159.07	ug/L	98
59) Methylcyclohexane	6.90	55	339128	144.79	ug/L	96
60) 2-Chloroethylvinyl Ether	7.02	63	192096	159.40	ug/L	99
61) cis-1,3-Dichloropropene	7.18	75	488648	146.69	ug/L	98
62) 4-Methyl-2-pentanone	7.37	43	278997	161.88	ug/L	97
63) trans-1,3-Dichloropropene	7.66	75	455975	145.73	ug/L	97
64) 1,1,2-Trichloroethane	7.77	97	284770	150.37	ug/L	98
66) Toluene	7.96	91	1065767	124.76	ug/L	94
68) 1,3-Dichloropropane	8.02	76	428188	142.28	ug/L	98
69) Ethyl Methacrylate	8.20	69	381178	156.92	ug/L	95
70) Dibromochloromethane	8.21	129	395504	160.01	ug/L	98
71) 2-Hexanone	8.26	43	211312	174.19	ug/L	99
72) 1,2-Dibromoethane	8.43	107	324300	149.43	ug/L	99
73) n-Butyl Acetate	8.63	43	454007	163.60	ug/L	98
74) Tetrachloroethene	8.62	164	324994	151.44	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.17	131	340878	151.98	ug/L	97
76) Chlorobenzene	9.23	112	751432	132.30	ug/L	95
77) Ethylbenzene	9.44	106	429871	143.53	ug/L #	80
78) Bromoform	9.62	173	308371	185.33	ug/L	96
79) (m+p)Xylene	9.62	106	990085	264.10	ug/L #	85
80) o-Xylene	9.94	106	543104	150.55	ug/L #	88
81) Cyclohexanone	9.85	55	210655	3049.93	ug/L	95
82) Styrene	9.88	104	787619	136.63	ug/L	94
83) Amyl Acetate	9.99	43	566454	149.71	ug/L	93
84) trans-1,4-Dichloro-2-Buten	10.11	75	137678	164.13	ug/L	96
85) Isopropylbenzene	10.25	105	1146604	124.59	ug/L	89
88) 1,1,2,2-Tetrachloroethane	9.93	83	406890	152.55	ug/L	96
89) 1,2,3-Trichloropropane	10.04	75	289811	143.96	ug/L	97
90) Bromobenzene	10.39	156	439625	132.81	ug/L	98
91) n-Propylbenzene	10.61	91	1218866	102.99	ug/L	89
92) 2-Chlorotoluene	10.65	91	797957	115.92	ug/L	95
93) 4-Chlorotoluene	10.72	91	864451	116.78	ug/L	92
94) 1,3,5-Trimethylbenzene	10.88	105	940029	114.46	ug/L	93
95) tert-Butylbenzene	11.07	119	857186	120.02	ug/L	93
96) 1,2,4-Trimethylbenzene	11.17	105	1005161	114.15	ug/L	89
97) sec-Butylbenzene	11.25	105	1165989	114.51	ug/L	90
98) 1,3-Dichlorobenz	11.26	146	743734	132.13	ug/L	94
99) 1,4-Dichlorobenz	11.31	146	732394	128.41	ug/L	95
100) p-Isopropyltoluene	11.41	119	995061	118.58	ug/L	91
101) 1,2-Dichlorobenz	11.58	146	700562	124.42	ug/L	95

(#)=qualifier out of range (m)=manual integration

D7730.D W082417.M Fri Aug 25 11:10:23 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7730.D Vial: 13
Acq On : 24 Aug 2017 1:34 pm Operator: D.Lipani
Sample : STD #8 - 150 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:07 2017 Quant Results File: W082417.RES

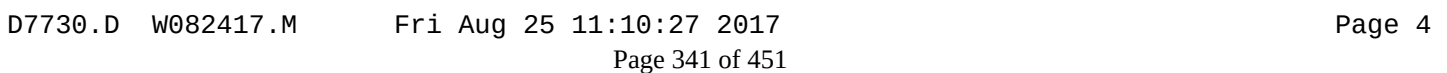
Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:05:49 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) n-Butylbenzene	11.73	91	922355	119.26	ug/L	91
103) 1,2-Dibromo-3-chloropropan	11.95	75	81294	165.51	ug/L	98
104) Nitrobenzene	12.12	77	10498	302.58	ug/L	95
105) 1,2,4-Tcbenzene	13.02	180	506679	130.63	ug/L	98
106) Naphthalen	13.19	128	950345	129.60	ug/L	94
107) Hexachlorobt	13.28	225	270415	142.32	ug/L	98
108) 1,2,3-Tclbenzene	13.35	180	480661	144.02	ug/L	98

1st	<u>DL</u>	08/25/17
2nd	<u>FW</u>	08/26/17

Vial: 13
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

```
Method       : I:\ACQDATA\MSVOA6\METHODS\W082417.M (RTE Integrator)
Title        : 8260C / 624 WATERS
Last Update  : Fri Aug 25 11:05:49 2017
Response via : Initial Calibration
```

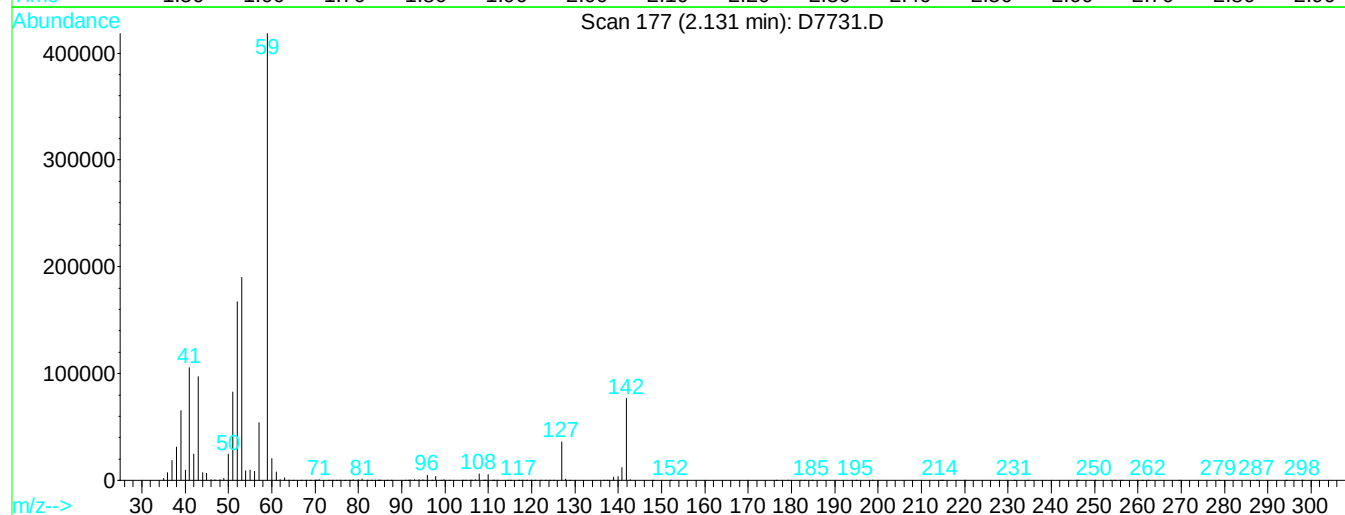
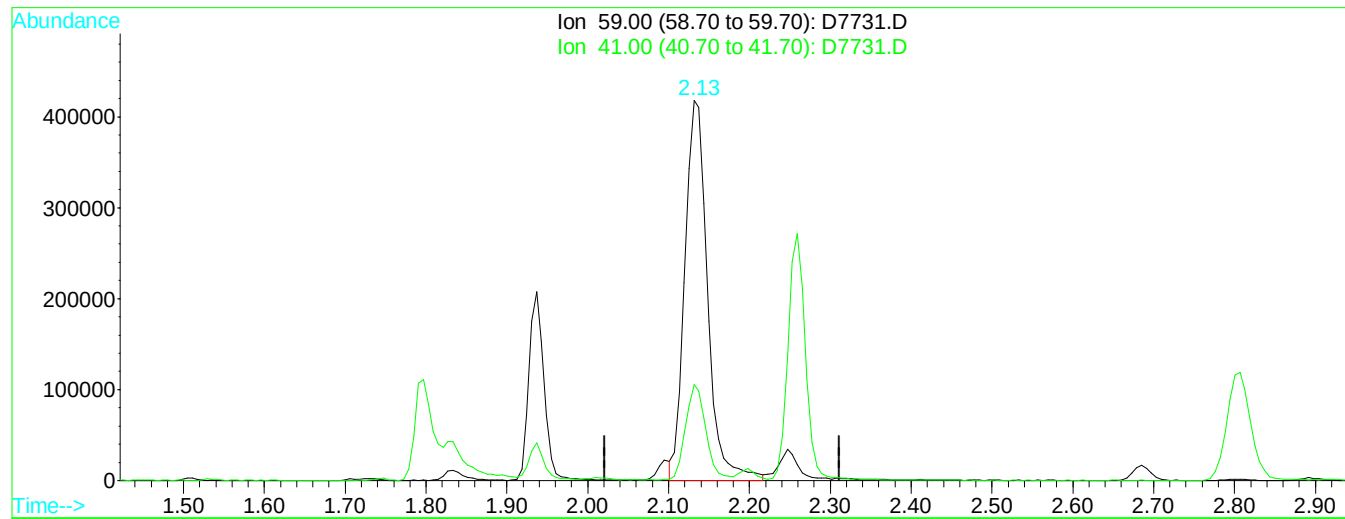


Quantitation Report (Qedit)

1st *DL* 08/25/17
2nd *FJ* 08/26/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D Vial: 14
Acq On : 24 Aug 2017 2:08 pm Operator: D.Lipani
Sample : STD #9 - 200 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:14 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:10:33 2017
Response via : Multiple Level Calibration



TIC: D7731.D

(18) TBA

2.13min 4074.29ug/L m

response 819305

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	25.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D

Vial: 14

Acq On : 24 Aug 2017 2:08 pm

Operator: D.Lipani

Sample : STD #9 - 200 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:13 2017

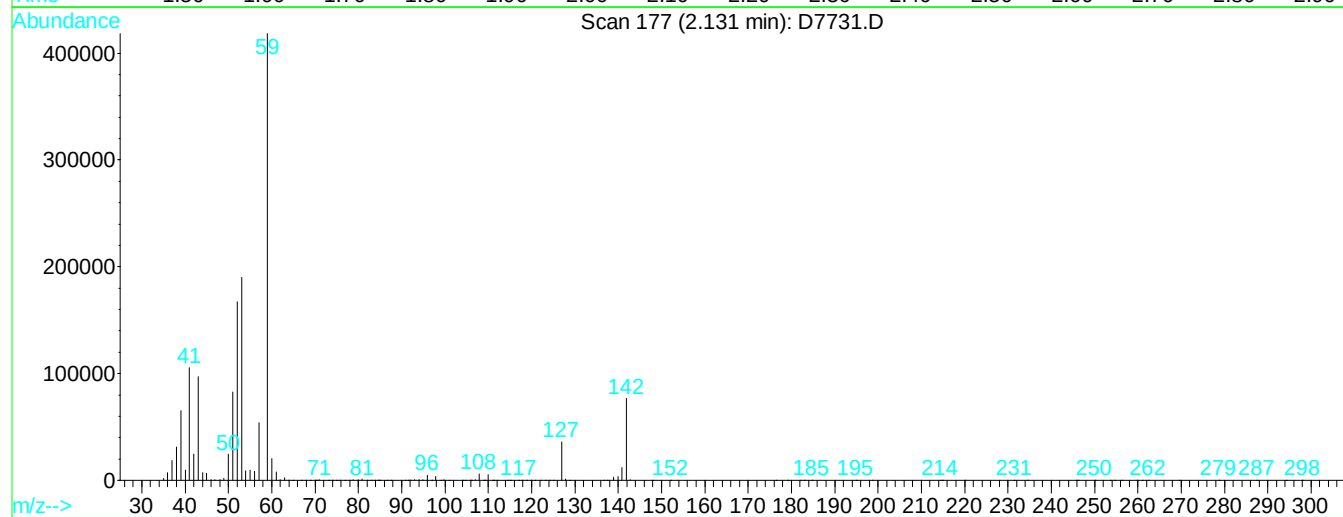
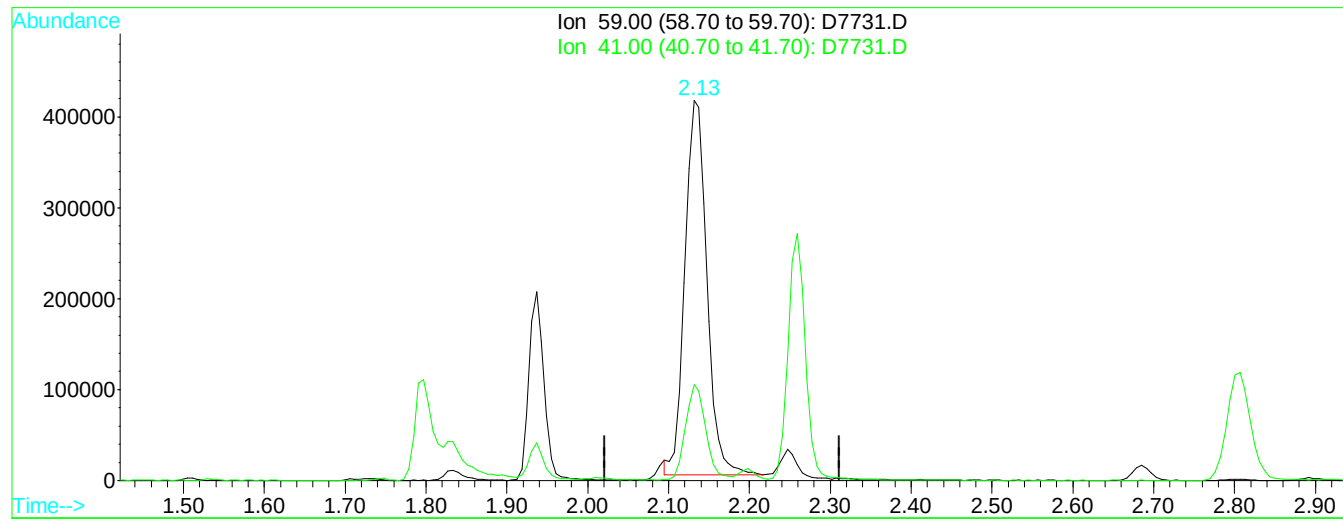
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:10:33 2017

Response via : Multiple Level Calibration



TIC: D7731.D

(18) TBA

Manual Integration:

2.13min 3884.41ug/L

Before

response 781122

Ion	Exp%	Act%

08/25/17

59.00	100	100

41.00	19.90	25.25

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D

Vial: 14

Acq On : 24 Aug 2017 2:08 pm

Operator: D.Lipani

Sample : STD #9 - 200 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:15 2017

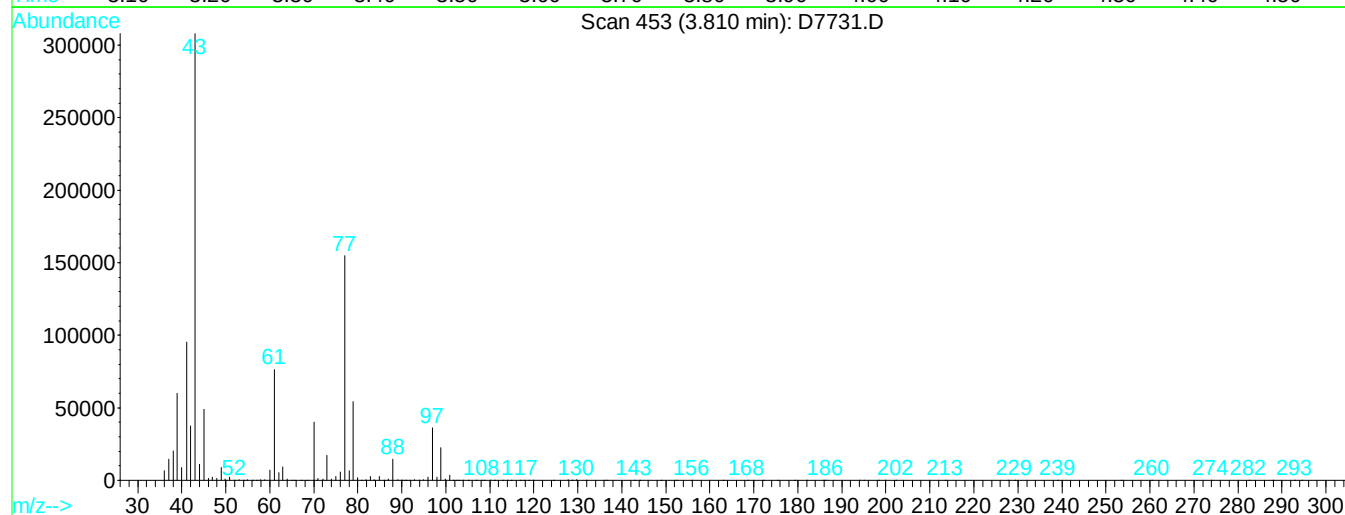
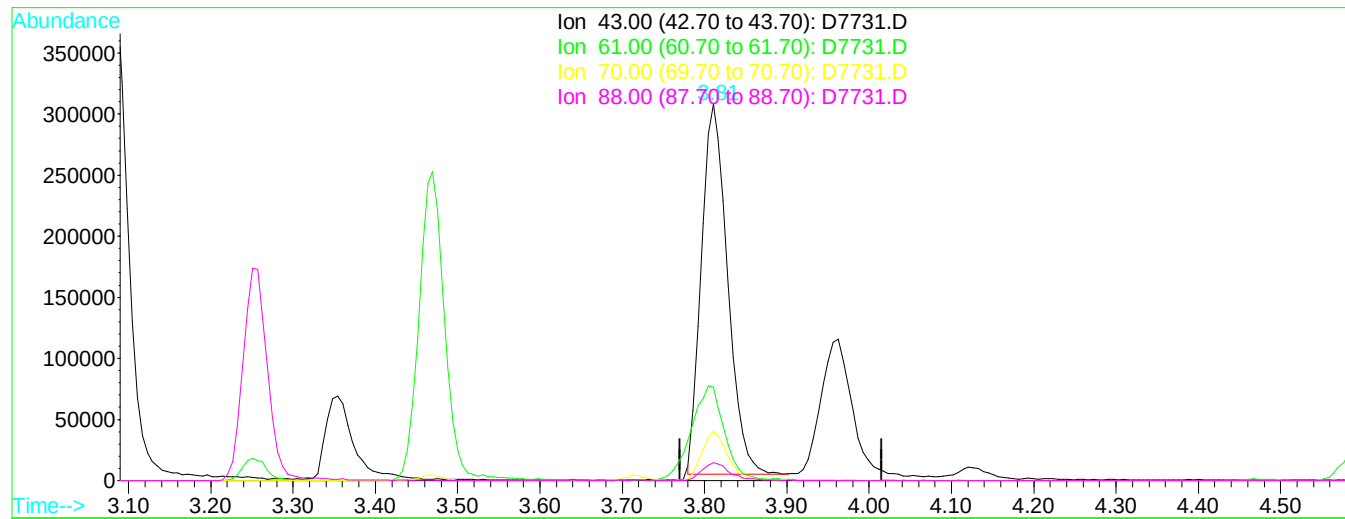
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:10:33 2017

Response via : Multiple Level Calibration



TIC: D7731.D

(37) Ethyl Acetate

Manual Integration:

3.81min 404.46ug/L m

After

response 671004

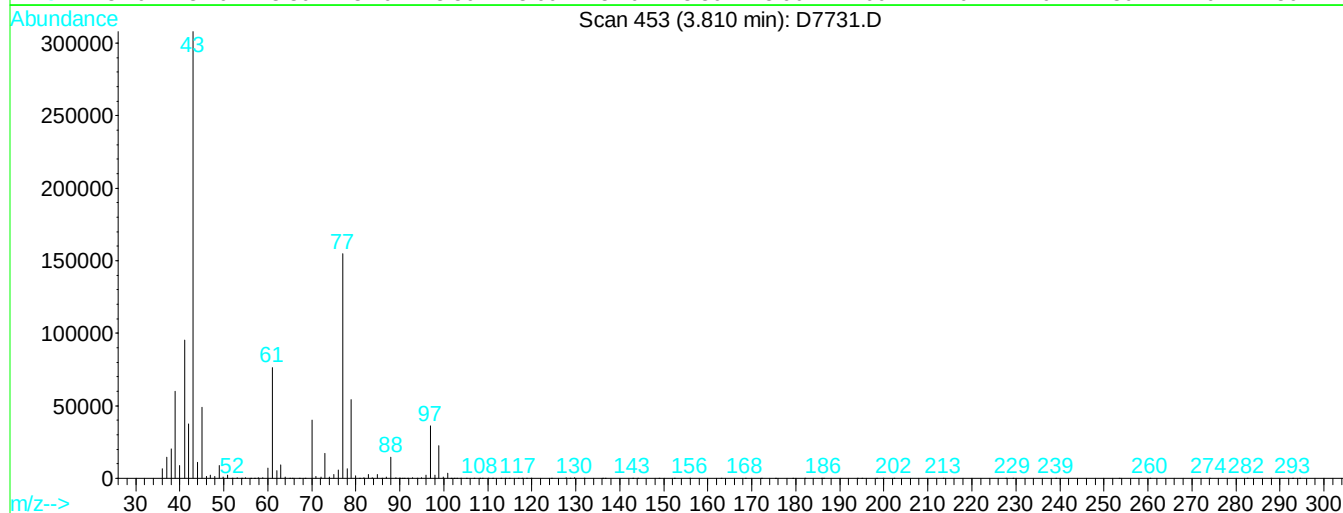
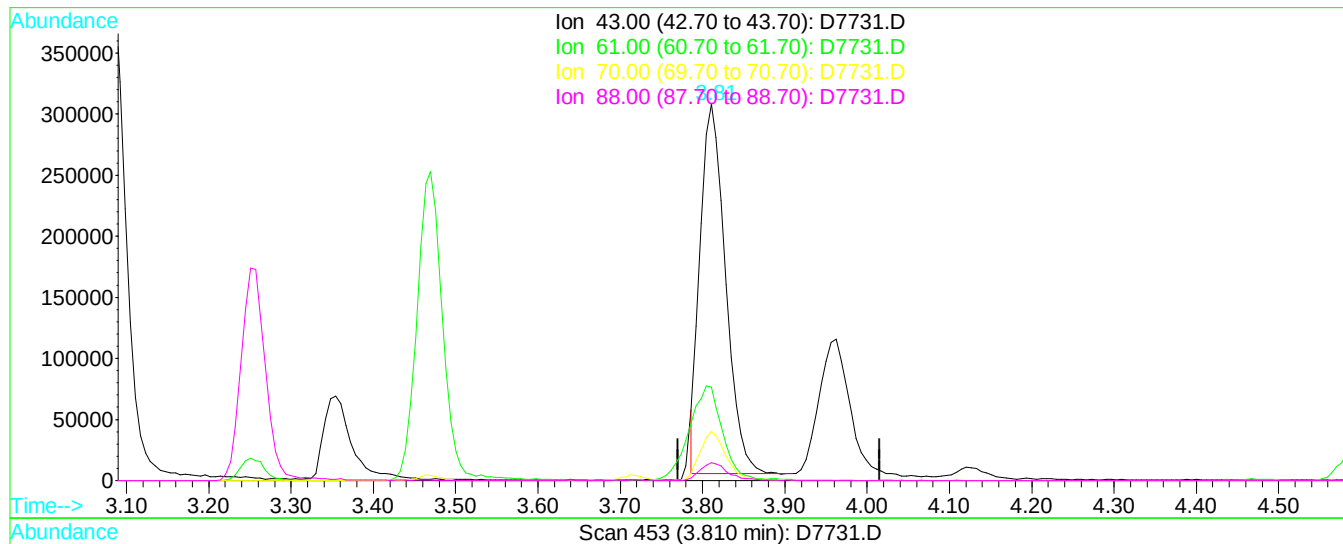
Poor integration.

Ion	Exp%	Act%
43.00	100	100
61.00	21.70	24.85
70.00	10.60	13.09
88.00	4.70	4.80

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D Vial: 14
Acq On : 24 Aug 2017 2:08 pm Operator: D.Lipani
Sample : STD #9 - 200 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:14 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:10:33 2017
Response via : Multiple Level Calibration



TIC: D7731.D

(37) Ethyl Acetate

Manual Integration:

3.81min 391.01ug/L

Before

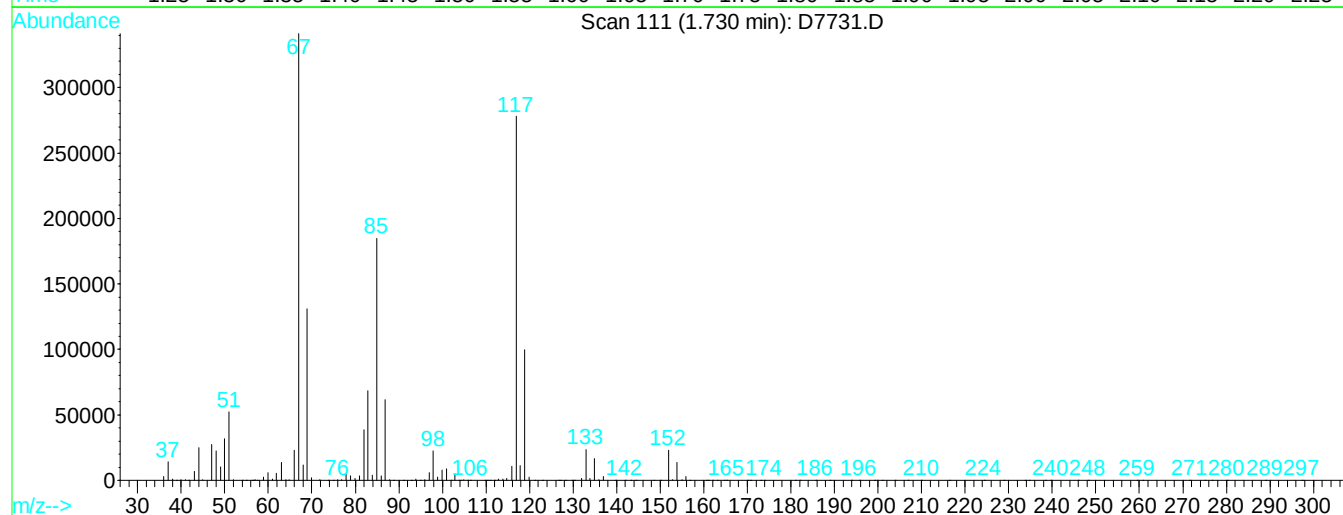
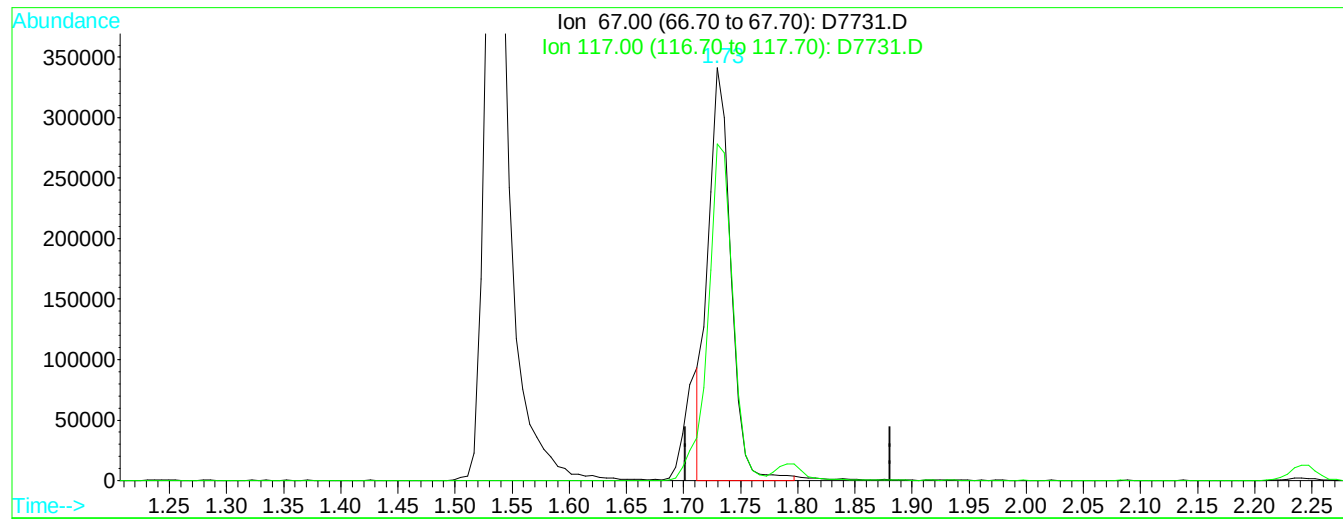
response 648692

Ion	Exp%	Act%
43.00	100	100
61.00	21.70	24.85
70.00	10.60	13.09
88.00	4.70	4.80

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D Vial: 14
Acq On : 24 Aug 2017 2:08 pm Operator: D.Lipani
Sample : STD #9 - 200 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:13 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:10:33 2017
Response via : Multiple Level Calibration



TIC: D7731.D

(9) Freon 123a

Manual Integration:

1.73min 168.44ug/L m

After

response 473443

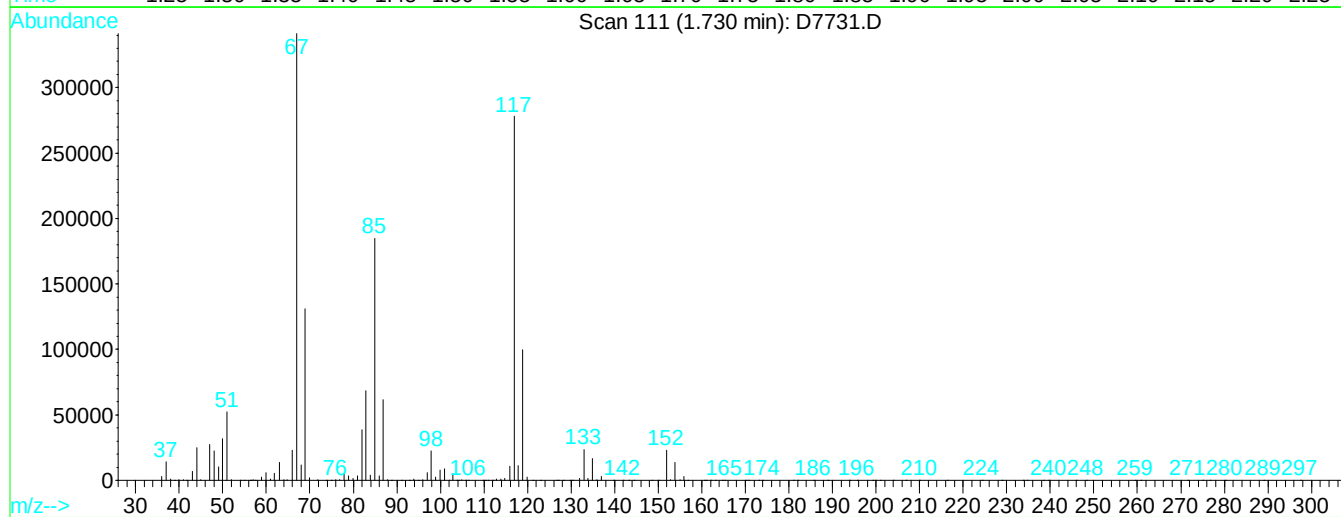
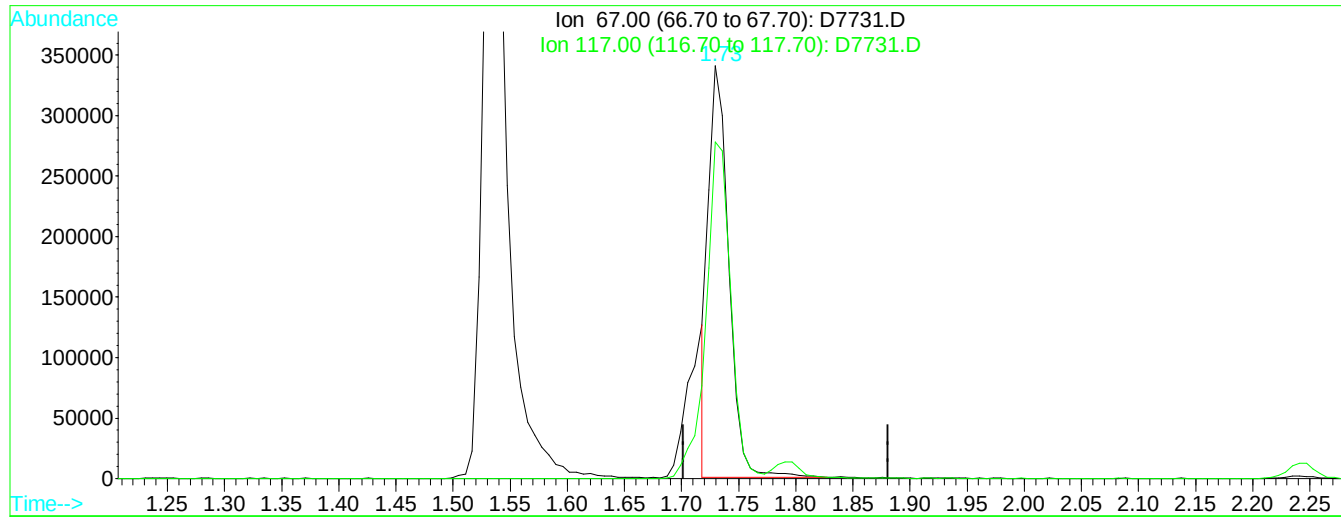
Poor integration.

Ion	Exp%	Act%
67.00	100	100
117.00	81.00	81.51
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D Vial: 14
Acq On : 24 Aug 2017 2:08 pm Operator: D.Lipani
Sample : STD #9 - 200 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:11 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:10:33 2017
Response via : Multiple Level Calibration



TIC: D7731.D

(9) Freon 123a

Manual Integration:

1.73min 151.03ug/L

Before

response 424525

Ion	Exp%	Act%
67.00	100	100
117.00	81.00	81.51
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D

Vial: 14

Acq On : 24 Aug 2017 2:08 pm

Operator: D.Lipani

Sample : STD #9 - 200 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:15 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:10:33 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	313741	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	400128	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	187998	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.30	152	228175	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4, Dibrflmethane	3.87	113	150468	52.43	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	104.86%
43) surr1, 1,2-dichloroethane-d	4.47	65	161180	51.85	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	103.70%
65) SURR3, Toluene-d8	7.89	98	443373	54.72	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	109.44%
86) SURR2, BFB	10.25	95	207463	58.92	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	117.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.12	85	714116	152.60	ug/L	90
3) Chloromethane	1.19	50	521412	167.81	ug/L	90
4) Vinyl Chloride	1.26	62	783742	204.57	ug/L	88
5) Bromomethane	1.44	94	465456	201.60	ug/L	100
6) Chloroethane	1.50	64	341842	182.15	ug/L	95
7) Freon 21	1.54	67	869697	152.69	ug/L	90
8) Freon 123	1.71	83	593808	167.87	ug/L	96
9) Freon 123a	1.73	67	473443m	168.44	ug/L	
10) Acrolein	1.78	56	285210	1149.17	ug/L	98
11) Trichlorofluoromethane	1.79	101	747428	174.61	ug/L	94
12) Acetonitrile	1.80	41	180098	1054.20	ug/L	98
13) 2-Propanol	1.83	45	452069	3849.82	ug/L	95
14) Acetone	1.86	43	123767	210.73	ug/L	98
15) Diethyl Ether	1.94	59	270240	178.75	ug/L	94
16) 1,1-Dicethene	2.09	96	396331	183.33	ug/L	97
17) Iodomethane	2.11	142	694941	197.83	ug/L	97
18) TBA	2.13	59	819305m	4074.29	ug/L	
19) Acrylonitrile	2.14	53	639241	982.50	ug/L	96
20) Methylene Chloride	2.20	84	417656	181.87	ug/L	97
21) Freon 113	2.24	101	455226	184.34	ug/L	96
22) Methyl Acetate	2.25	43	403101	208.19	ug/L	95
23) Allyl Chloride	2.26	76	176345	198.13	ug/L	90
24) Carbon Disulfide	2.31	76	1006962	152.29	ug/L	93
25) trans-1,2-Dichloroethene	2.68	96	416637	180.90	ug/L	98
26) Methyl-t-Butyl Ether	2.81	73	1012356	171.03	ug/L	92
27) 1,1-Dicethane	2.89	63	633484	181.30	ug/L	93
28) Propionitrile	2.92	54	249190	1062.80	ug/L	93
29) Vinyl Acetate	3.09	43	790046	190.29	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.25	53	586028	189.67	ug/L	91
31) 2-Butanone	3.35	43	166531	211.32	ug/L	98
32) Methacrylonitrile	3.46	67	162766	212.99	ug/L	91
33) cis-1,2-Dichloroethene	3.47	96	467668	190.16	ug/L	99
34) Bromochloromethane	3.64	128	255025	182.78	ug/L	98
35) Chloroform	3.71	83	731130	174.53	ug/L	93
36) 2,2-Dichloropropane	3.79	77	686138	179.63	ug/L	95
37) Ethyl Acetate	3.81	43	671004m	404.46	ug/L	
38) Tetrahydrofuran	4.13	42	103749	219.38	ug/L	88
39) 1,1,1-Trichloroethane	4.73	97	708432	174.18	ug/L	97
42) Iso-Butyl Alcohol	3.96	42	194619	4349.12	ug/L	98

(#)=qualifier out of range (m)=manual integration

D7731.D W082417.M Fri Aug 25 11:17:51 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D

Vial: 14

Acq On : 24 Aug 2017 2:08 pm

Operator: D.Lipani

Sample : STD #9 - 200 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:15 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:10:33 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-Dichloroethane	4.60	64	197192	179.88	ug/L	95
45) 2-Methyl-1,3-Dioxolane	4.81	73	266702	1005.26	ug/L	95
46) 1,1-Dichloropropene	5.08	75	553769	191.04	ug/L	94
47) Cyclohexane	5.17	56	540043	181.43	ug/L	96
48) Carbontetrachloride	5.31	119	631050	195.90	ug/L	93
49) Benzene	5.40	78	1329733	169.55	ug/L	90
50) Isopropyl Acetate	5.41	43	761015	196.63	ug/L	93
51) Dibromomethane	6.17	93	311527	187.89	ug/L	100
52) 1,2-Dichloropropane	6.25	63	375919	187.66	ug/L	92
53) n-Heptane	6.35	43	418378	190.79	ug/L	93
54) Trichloroethene	6.32	130	491868	189.56	ug/L	98
55) Bromodichloromethane	6.37	83	594531	191.68	ug/L	99
56) 1,4-Dioxane	6.57	88	83231	4143.81	ug/L	90
57) Epichlorohydrin	6.74	57	190691	1190.77	ug/L	96
58) Methyl Methacrylate	6.75	69	275705	203.89	ug/L	96
59) Methylcyclohexane	6.90	55	426553	174.74	ug/L	98
60) 2-Chloroethylvinyl Ether	7.02	63	250624	199.54	ug/L	97
61) cis-1,3-Dichloropropene	7.18	75	648114	186.68	ug/L	97
62) 4-Methyl-2-pentanone	7.37	43	360040	200.44	ug/L	97
63) trans-1,3-Dichloropropene	7.66	75	609704	186.97	ug/L	94
64) 1,1,2-Trichloroethane	7.78	97	379037	192.05	ug/L	100
66) Toluene	7.96	91	1326529	149.00	ug/L	91
68) 1,3-Dichloropropane	8.02	76	568300	180.55	ug/L	98
69) Ethyl Methacrylate	8.20	69	486084	191.33	ug/L	97
70) Dibromochloromethane	8.21	129	519963	201.13	ug/L	97
71) 2-Hexanone	8.26	43	256555	202.21	ug/L	99
72) 1,2-Dibromoethane	8.43	107	426603	187.94	ug/L	99
73) n-Butyl Acetate	8.63	43	584315	201.31	ug/L	95
74) Tetrachloroethene	8.63	164	442709	197.24	ug/L	97
75) 1,1,1,2-Tetrachloroethane	9.16	131	459285	195.79	ug/L	97
76) Chlorobenzene	9.22	112	965491	162.53	ug/L	92
77) Ethylbenzene	9.44	106	561283	179.19	ug/L #	75
78) Bromoform	9.61	173	433174	248.92	ug/L	95
79) (m+p)Xylene	9.62	106	1313176	334.91	ug/L #	79
80) o-Xylene	9.94	106	709378	188.02	ug/L #	84
81) Cyclohexanone	9.85	55	269306	3728.01	ug/L	96
82) Styrene	9.88	104	1021312	169.40	ug/L	92
83) Amyl Acetate	9.99	43	726516	183.59	ug/L	89
84) trans-1,4-Dichloro-2-Buten	10.11	75	179061	204.10	ug/L	94
85) Isopropylbenzene	10.25	105	1385808	143.97	ug/L	86
88) 1,1,2,2-Tetrachloroethane	9.93	83	529341	194.19	ug/L	94
89) 1,2,3-Trichloropropane	10.04	75	377648	183.56	ug/L	96
90) Bromobenzene	10.39	156	581881	172.00	ug/L	97
91) n-Propylbenzene	10.61	91	1472582	121.75	ug/L	83
92) 2-Chlorotoluene	10.65	91	1001999	142.43	ug/L	92
93) 4-Chlorotoluene	10.72	91	1079022	142.63	ug/L	88
94) 1,3,5-Trimethylbenzene	10.87	105	1180673	140.67	ug/L	89
95) tert-Butylbenzene	11.07	119	1079592	147.91	ug/L	91
96) 1,2,4-Trimethylbenzene	11.17	105	1271244	141.27	ug/L	85
97) sec-Butylbenzene	11.24	105	1464932	140.78	ug/L	85
98) 1,3-Dichlorobenz	11.26	146	967033	168.11	ug/L	91
99) 1,4-Dichlorobenz	11.32	146	925069	158.71	ug/L	92
100) p-Isopropyltoluene	11.41	119	1268755	147.94	ug/L	86
101) 1,2-Dichlorobenz	11.58	146	886252	154.01	ug/L	92

(#)=qualifier out of range (m)=manual integration

D7731.D W082417.M Fri Aug 25 11:17:52 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D Vial: 14
Acq On : 24 Aug 2017 2:08 pm Operator: D.Lipani
Sample : STD #9 - 200 PPB Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:15 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:10:33 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) n-Butylbenzene	11.72	91	1137528	143.93	ug/L	88
103) 1,2-Dibromo-3-chloropropan	11.94	75	106132	211.43	ug/L	98
104) Nitrobenzene	12.13	77	15656	441.55	ug/L	84
105) 1,2,4-Tcbenzene	13.02	180	643273	162.29	ug/L	99
106) Naphthalen	13.20	128	1129140	150.67	ug/L	92
107) Hexachlorobt	13.29	225	343577	176.94	ug/L	96
108) 1,2,3-Tclbenzene	13.36	180	606796	177.91	ug/L	98

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7731.D

Vial: 14

Acq On : 24 Aug 2017 2:08 pm

Operator: D.Lipani

Sample : STD #9 - 200 PPB

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:15 2017

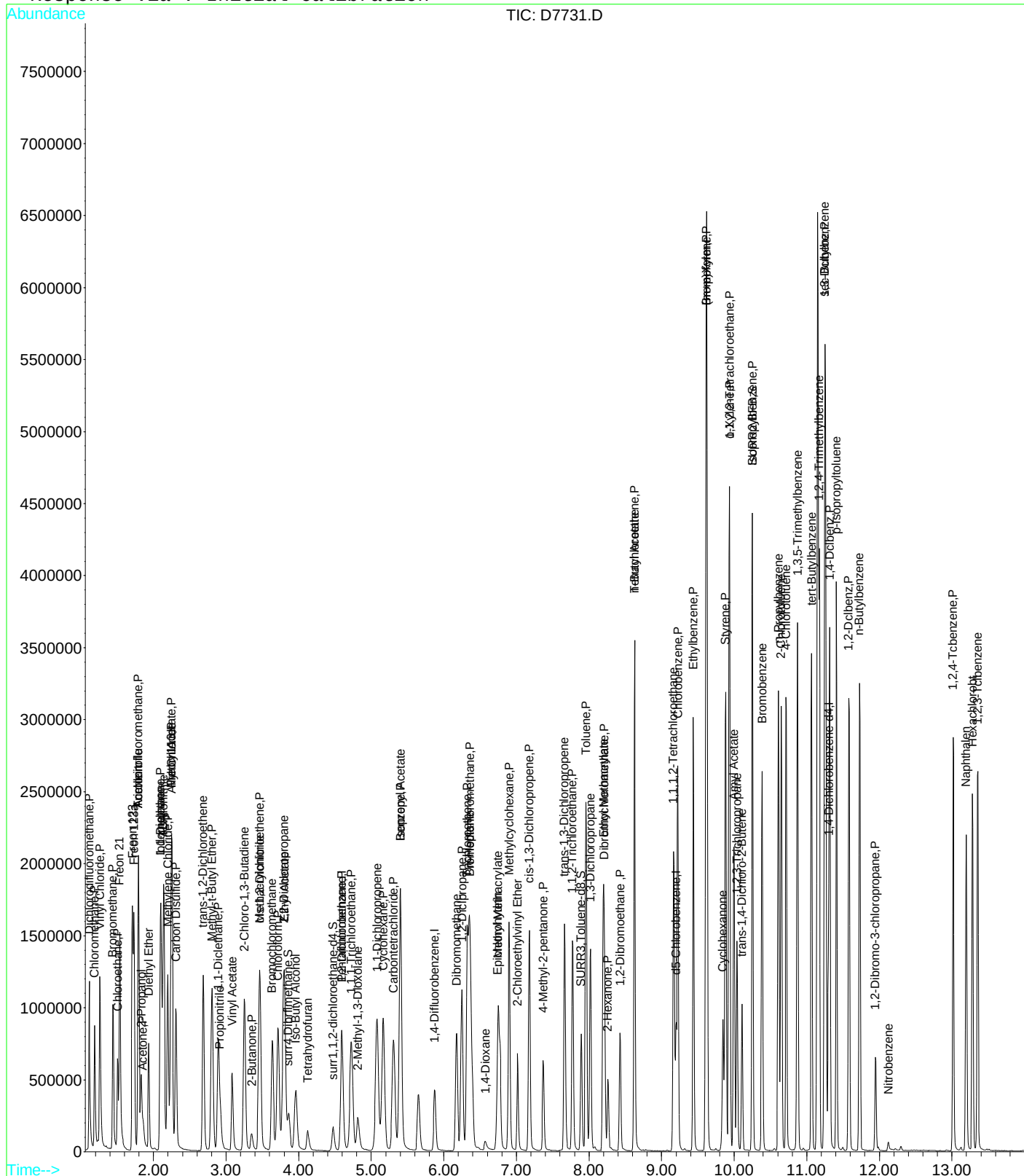
Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:10:33 2017

Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:41 2017

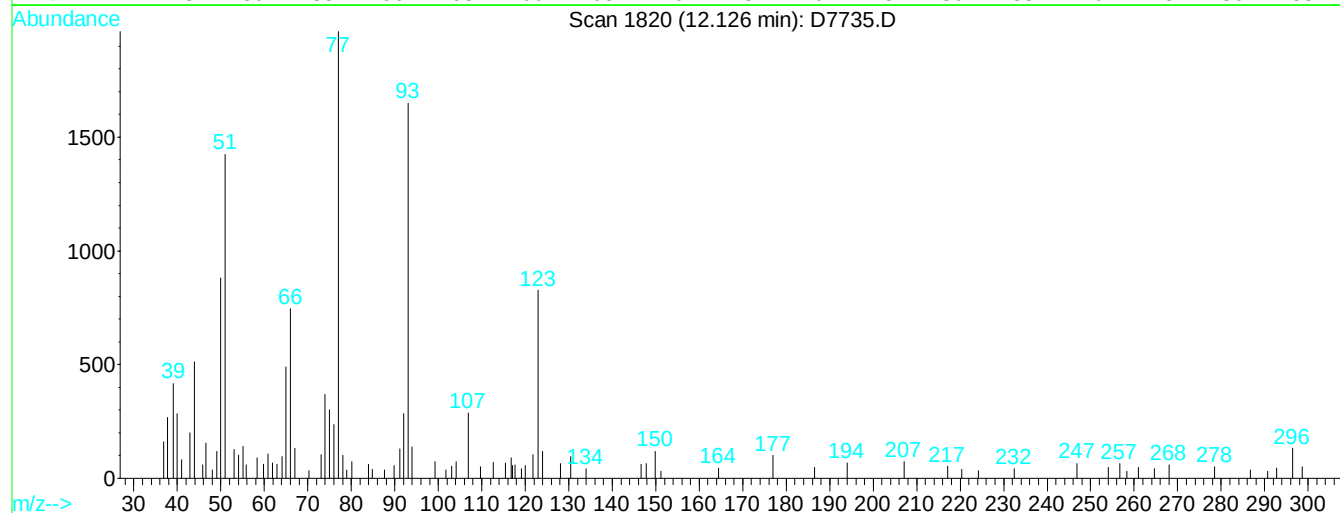
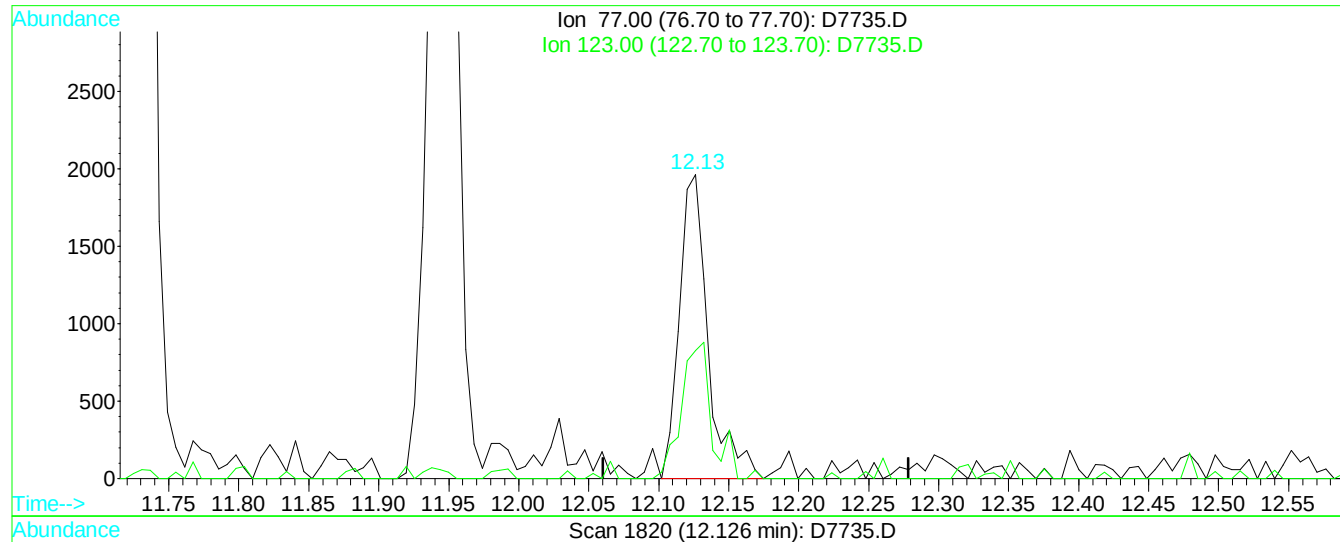
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D7735.D

(104) Nitrobenzene

Manual Integration:

12.13min 87.28ug/L m

After

response 2801

Split Peak.

Ion	Exp%	Act%
77.00	100	100
123.00	44.60	42.06
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:40 2017

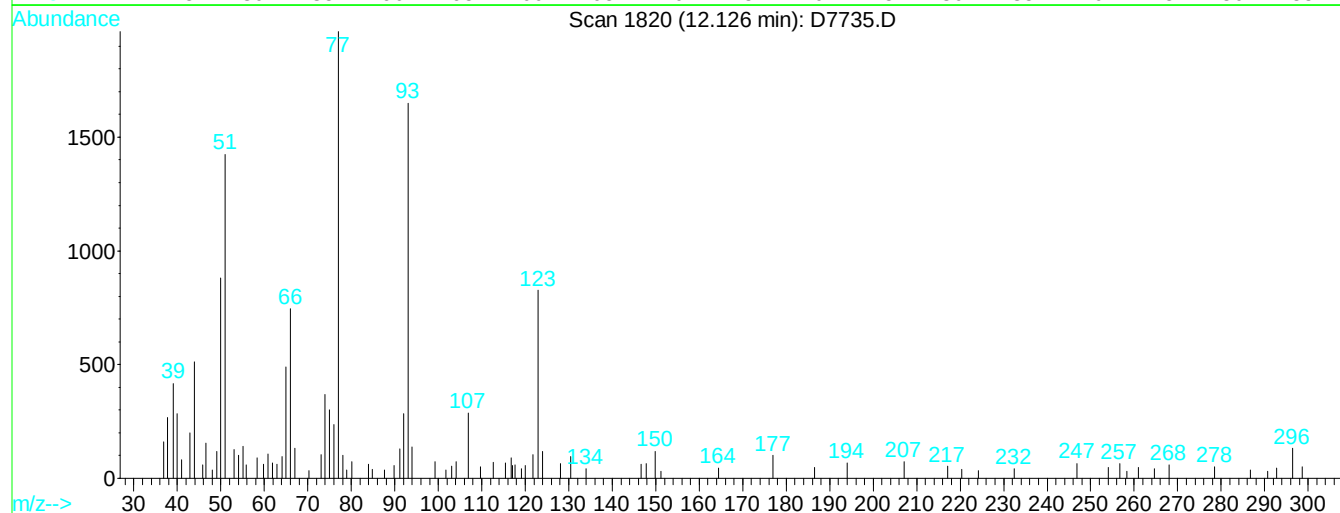
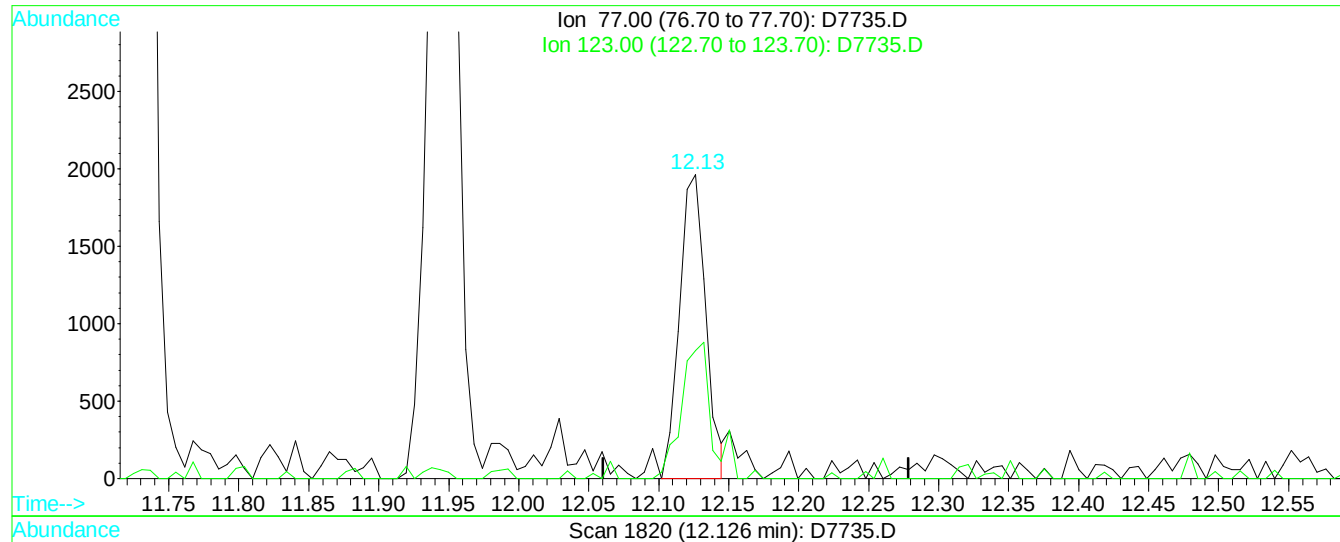
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D7735.D

(104) Nitrobenzene

Manual Integration:

12.13min 79.55ug/L

Before

response 2553

Ion	Exp%	Act%

08/25/17

77.00	100	100

123.00	44.60	42.06

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:38 2017

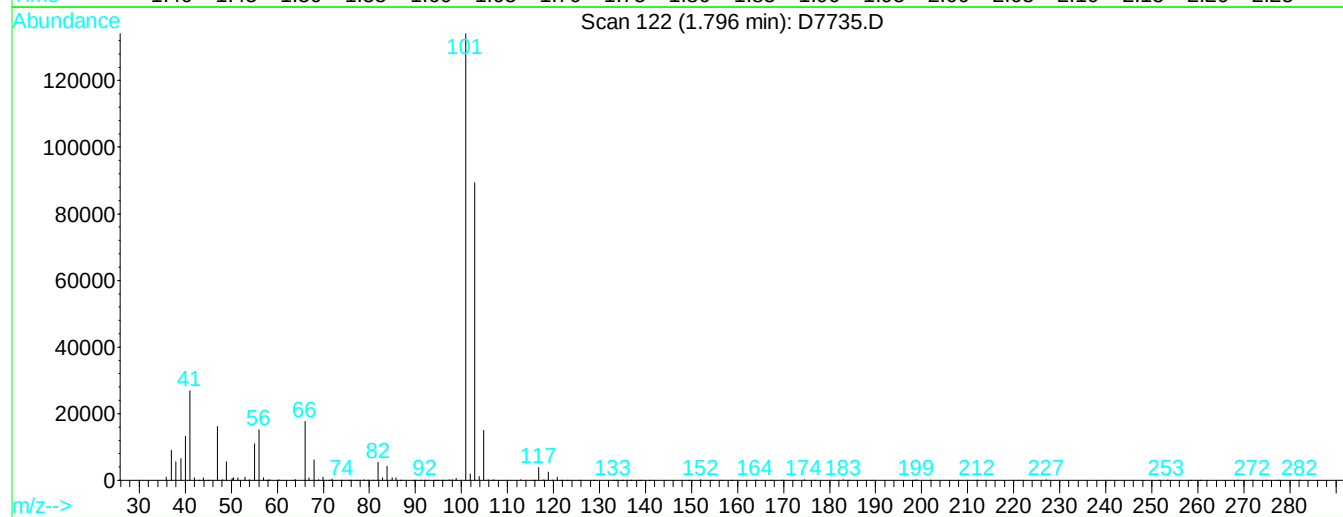
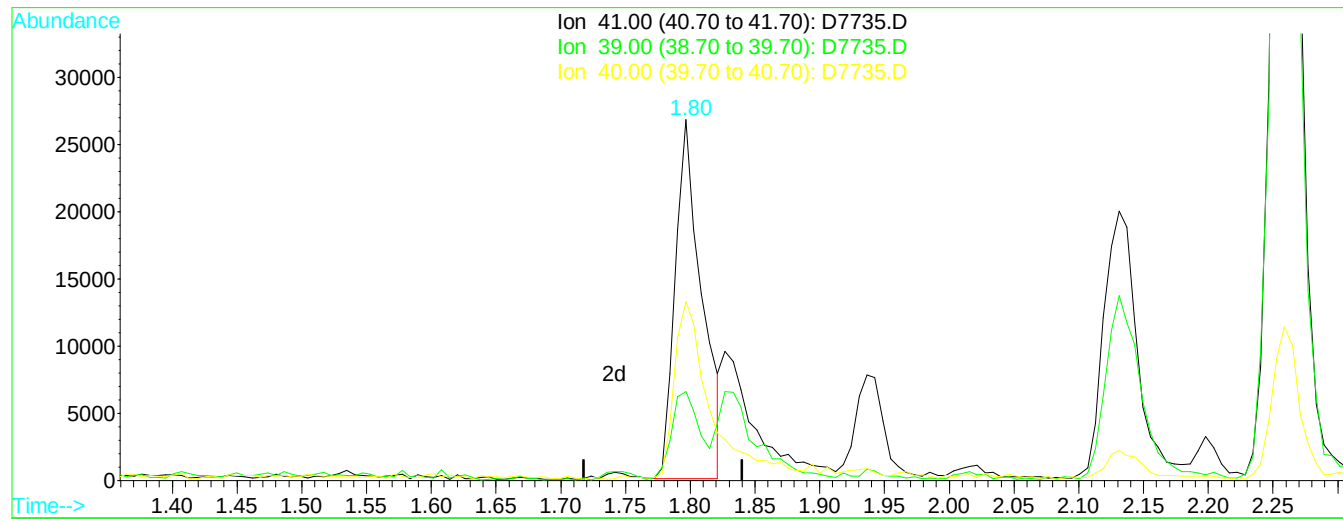
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D7735.D

(12) Acetonitrile

Manual Integration:

1.80min 244.64ug/L m

After

response 37957

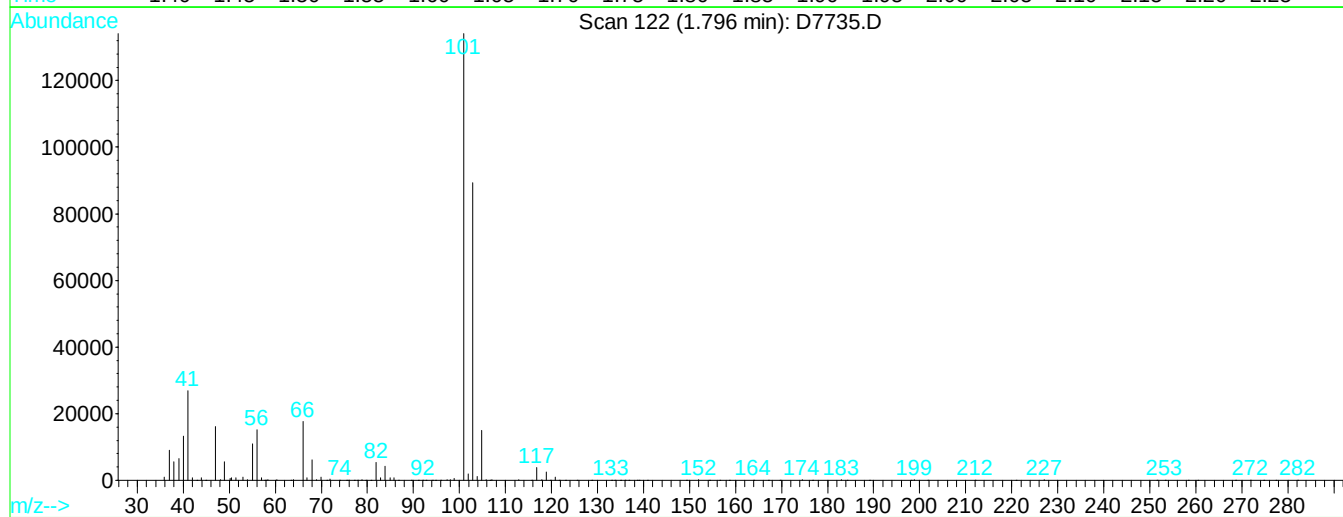
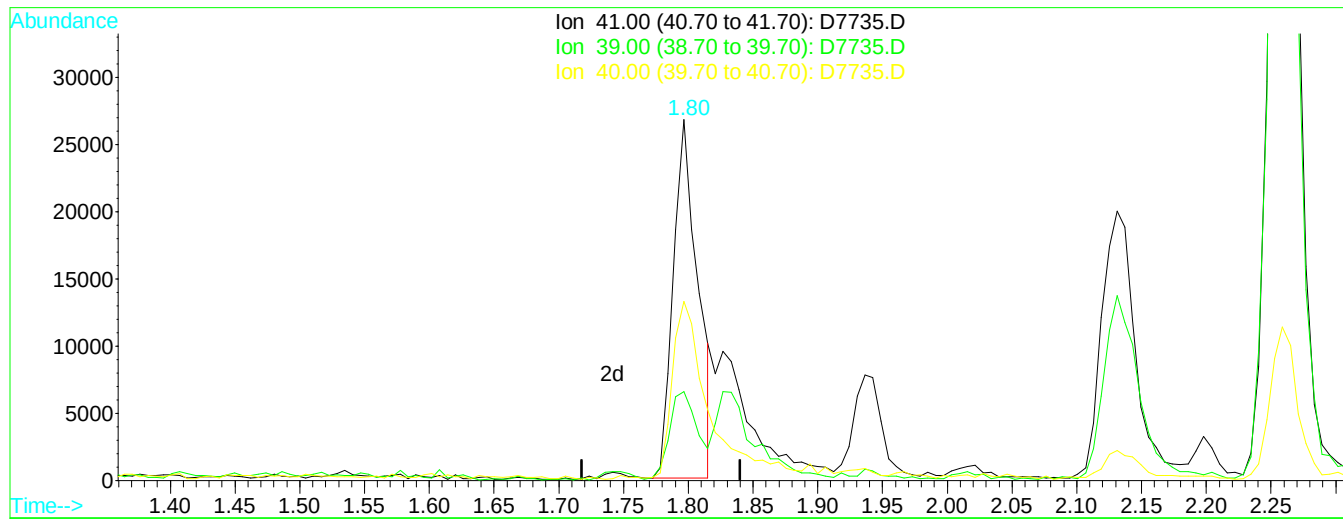
Split Peak.

Ion	Exp%	Act%
41.00	100	100
39.00	30.90	24.55
40.00	57.00	49.57
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D Vial: 18
Acq On : 24 Aug 2017 4:05 pm Operator: D.Lipani
Sample : ICV Inst : MS#6
Misc : 8260C / 624 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 25 11:37 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D7735.D

(12) Acetonitrile

Manual Integration:

1.80min 225.67ug/L

Before

response 35014

Ion	Exp%	Act%
41.00	100	100
39.00	30.90	24.55
40.00	57.00	49.57
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:39 2017

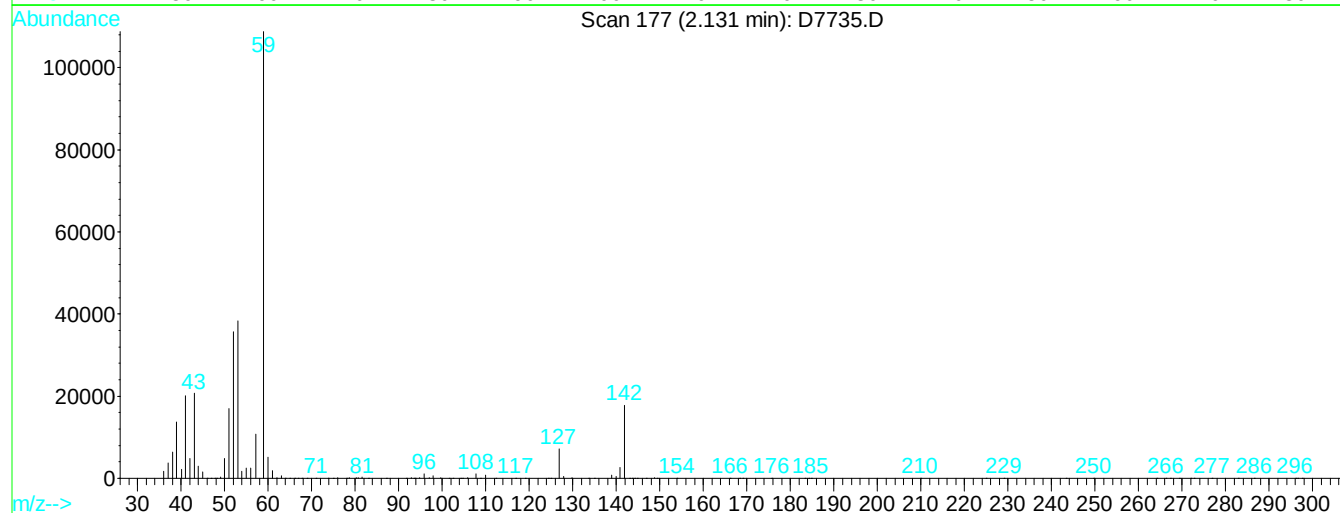
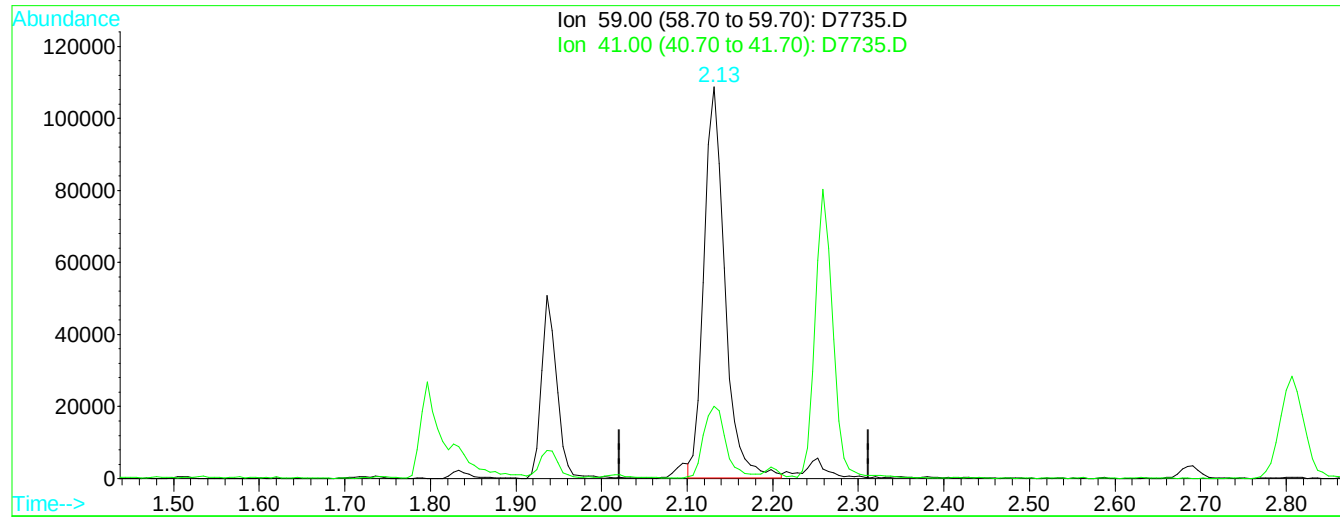
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D7735.D

(18) TBA

Manual Integration:

2.13min 1001.07ug/L m

After

response 183011

Poor integration.

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	18.45
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:38 2017

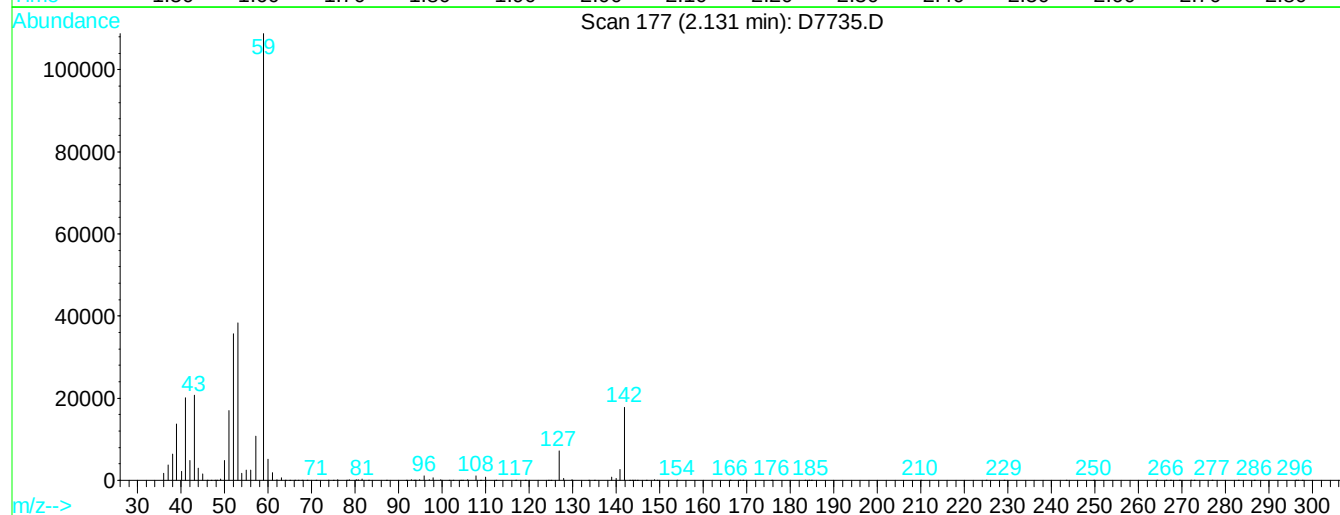
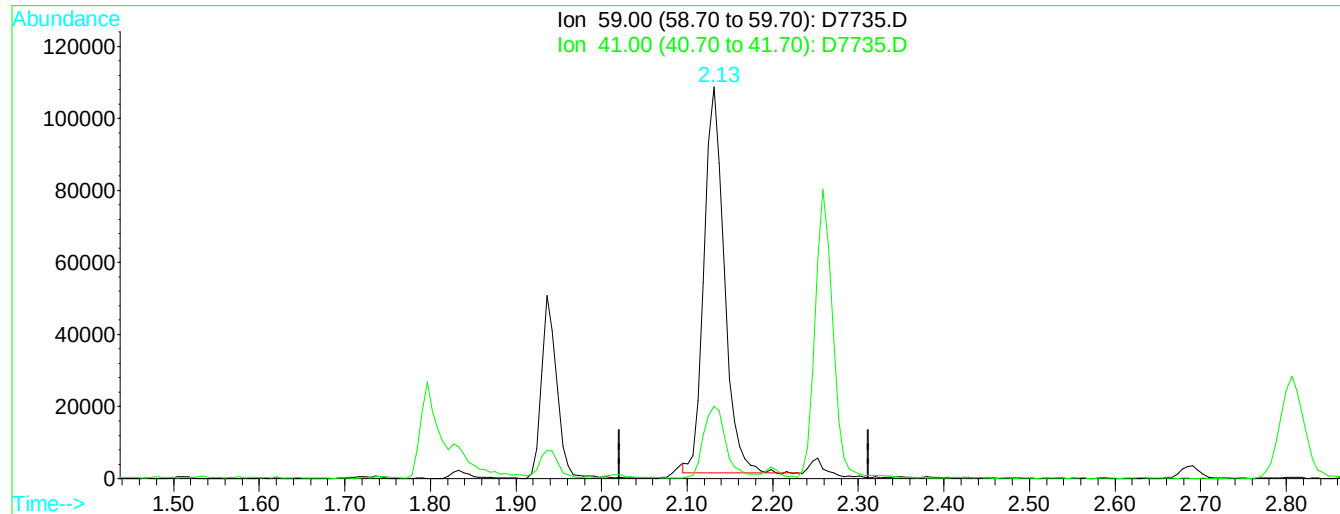
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D7735.D

(18) TBA

Manual Integration:

2.13min 954.63ug/L

Before

response 174520

Ion	Exp%	Act%
59.00	100	100
41.00	19.90	18.45
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:40 2017

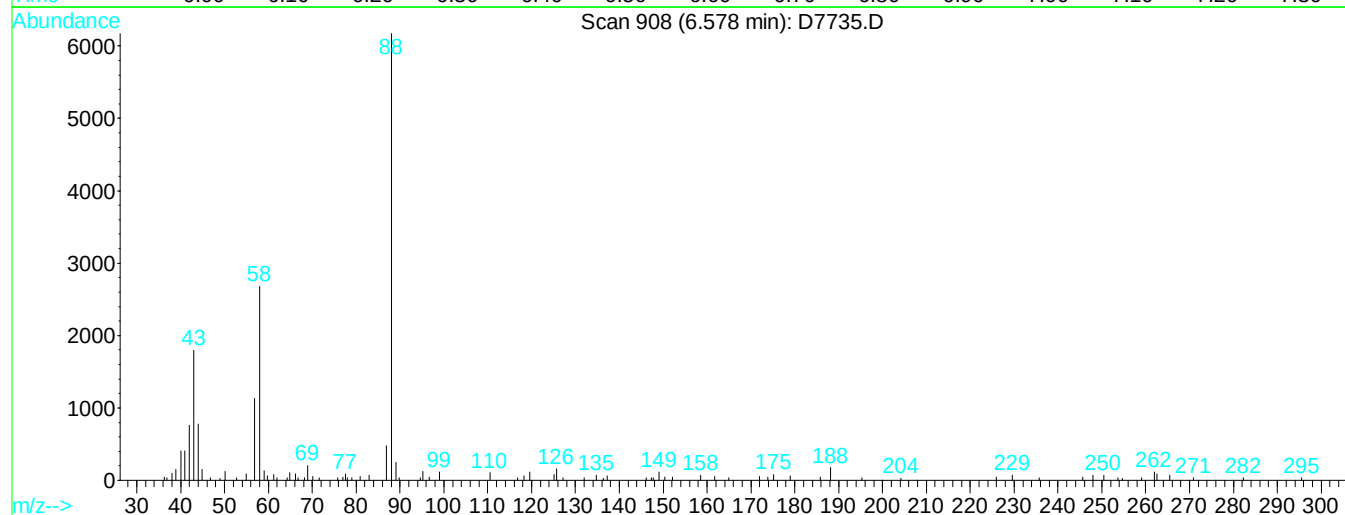
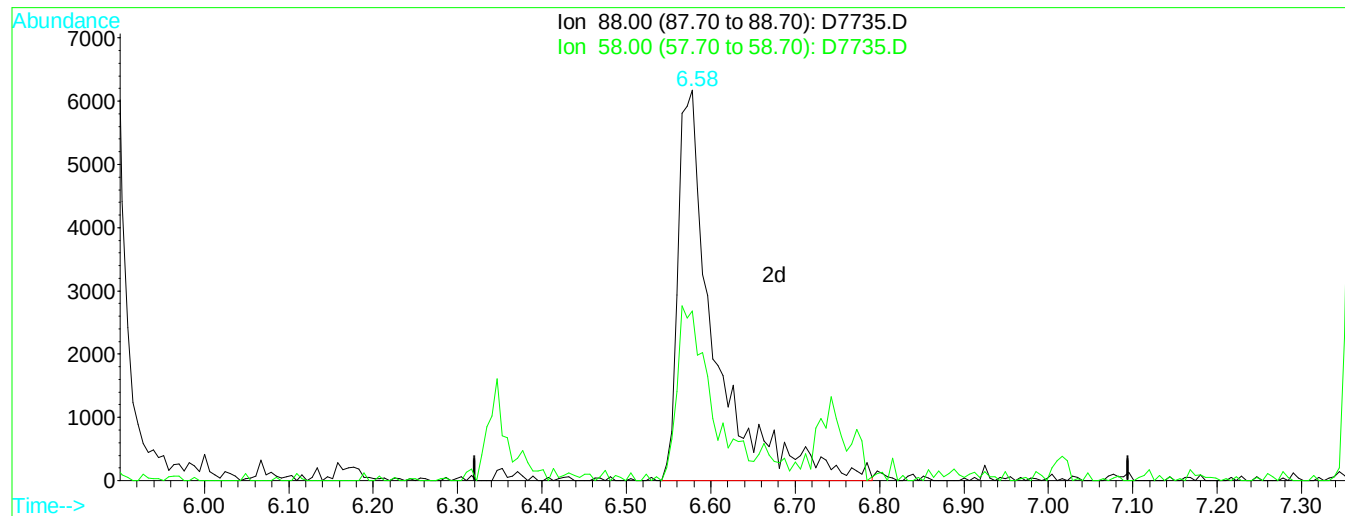
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D7735.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 1021.49ug/L m

After

response 18783

Split Peak.

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	43.48
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:39 2017

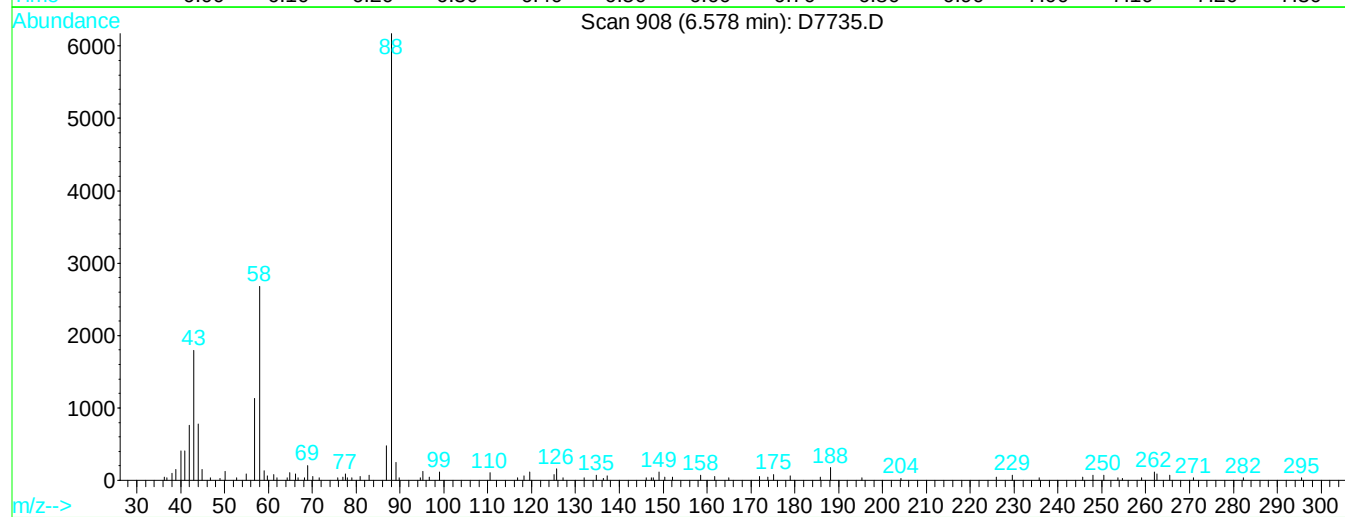
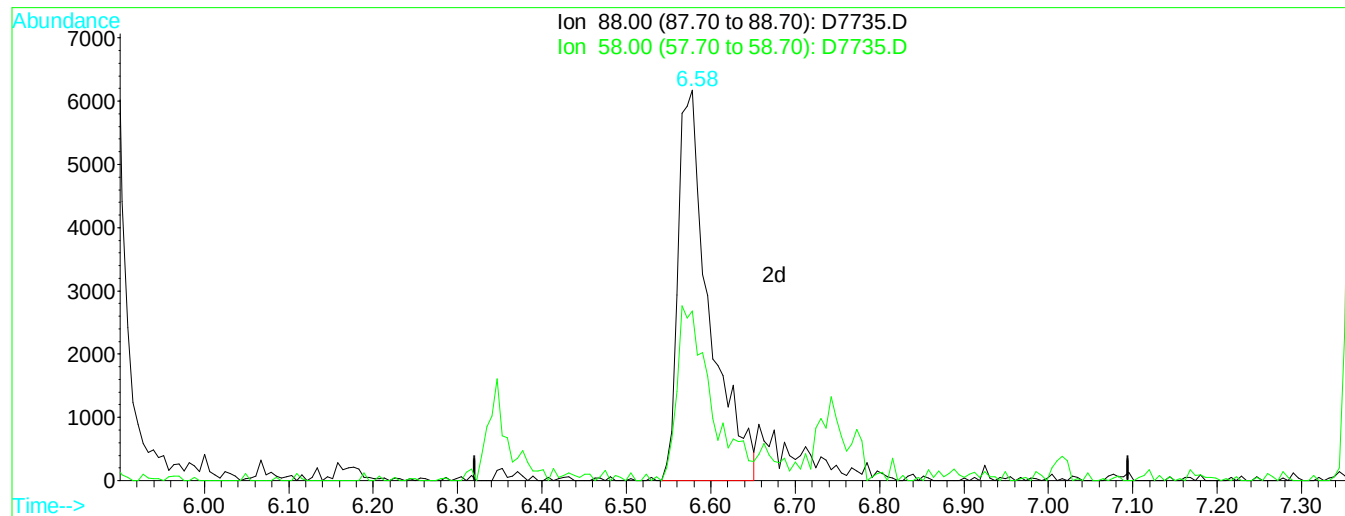
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D7735.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 861.82ug/L

Before

response 15847

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	43.48
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:37 2017

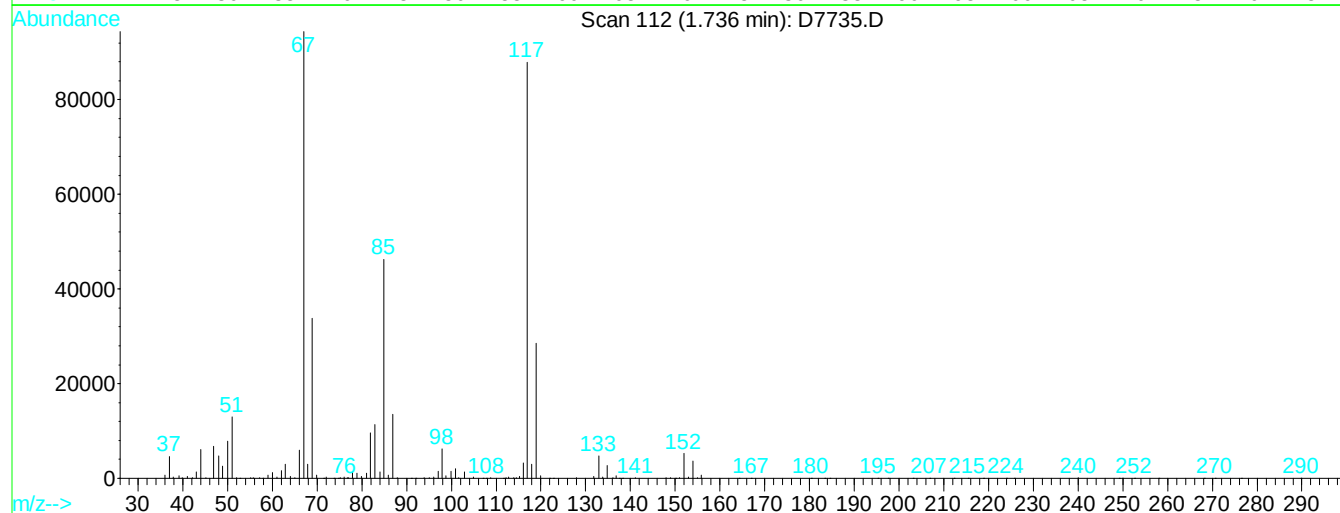
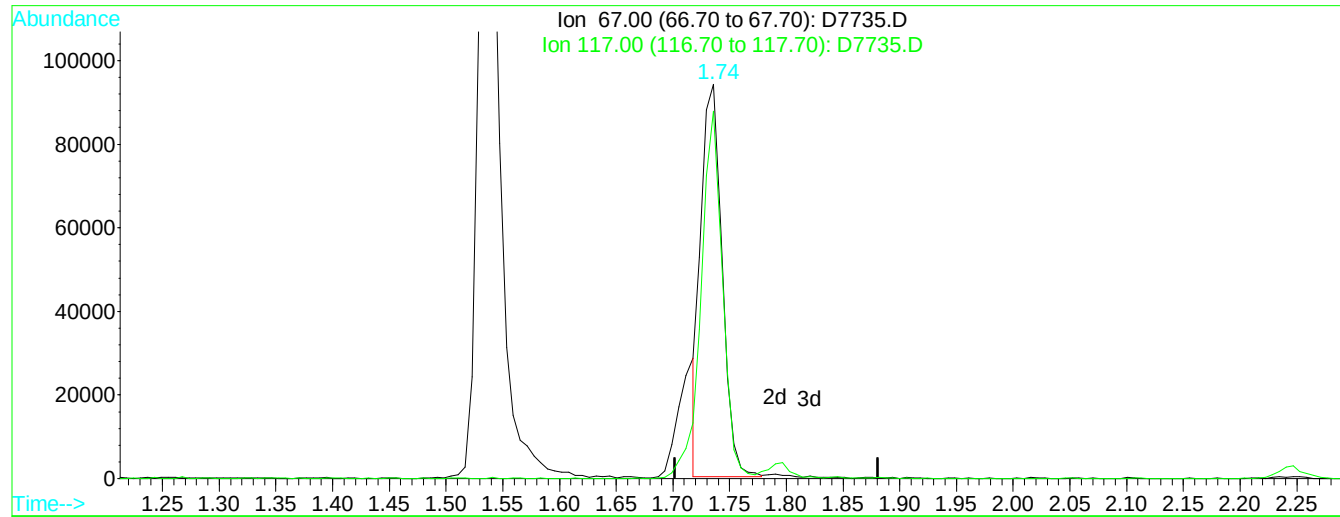
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D7735.D

(9) Freon 123a

Manual Integration:

1.74min 47.34ug/L m

After

response 120904

Poor integration.

Ion	Exp%	Act%
67.00	100	100
117.00	81.00	93.18
0.00	0.00	0.00
0.00	0.00	0.00

08/25/17

Data File : I:\ACQUDATA\MSV0A6\DATA\082417\D7735.D

Vial: 18

Acq On : 24 Aug 2017 4:05 pm

Operator: D.Lipani

Sample : ICV

Inst : MS#6

Misc : 8260C / 624 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 25 11:36 2017

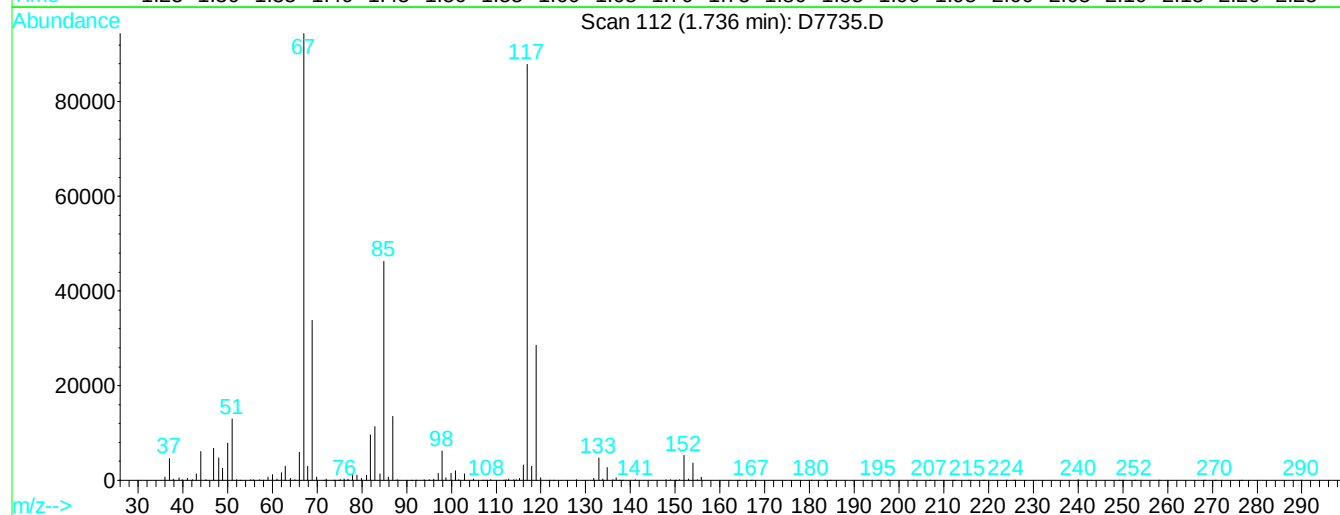
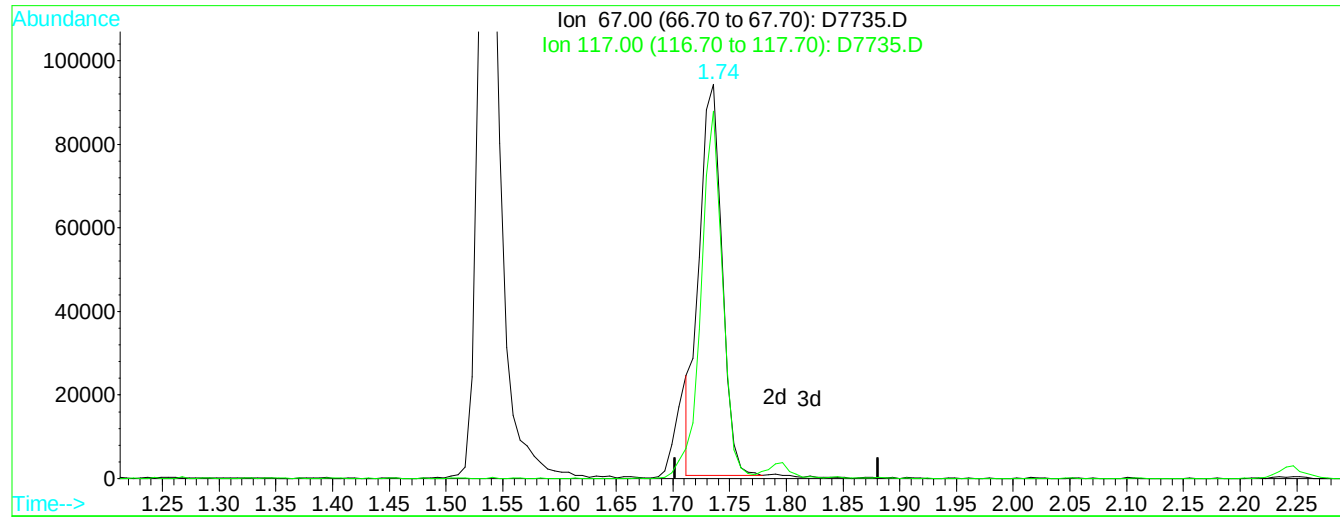
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D7735.D

(9) Freon 123a

Manual Integration:

1.74min 50.83ug/L

Before

response 129820

Ion	Exp%	Act%

08/25/17

67.00	100	100

117.00	81.00	93.18

0.00	0.00	0.00

0.00	0.00	0.00

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1700082
Instrument ID: R-MS-06

Signal ID: 1

#	Lab Code	Sample Name	File Location	Aquisition Date
10	RC1700082-10	STD #1 - 0.5 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7723.D	08/24/2017 09:44
09	RC1700082-09	STD #2 - 1.0 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7724.D	08/24/2017 10:25
08	RC1700082-08	STD #3 - 2.0 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7725.D	08/24/2017 10:53
07	RC1700082-07	STD #4 - 5.0 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7726.D	08/24/2017 11:33
06	RC1700082-06	STD #5 - 20 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7727.D	08/24/2017 12:00
05	RC1700082-05	STD #6 - 50 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7728.D	08/24/2017 12:27
04	RC1700082-04	STD #7 - 100 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7729.D	08/24/2017 13:07
03	RC1700082-03	STD #8 - 150 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7730.D	08/24/2017 13:34
02	RC1700082-02	STD #9 - 200 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7731.D	08/24/2017 14:08

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.7749	10	0.500	0.7749	09	1.000	0.7172	09	1.000	0.7172
08	2.000	0.6549	08	2.000	0.6549	07	5.000	0.65	07	5.000	0.65
06	20.000	0.6816	06	20.000	0.6816	05	50.000	0.6043	05	50.000	0.6043
04	100.000	0.6071	04	100.000	0.6071	03	150.000	0.5791	03	150.000	0.5791
02	200.000	0.5645	02	200.000	0.5645						

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	1.000	0.5804	09	1.000	0.5804	08	2.000	0.6021	08	2.000	0.6021
07	5.000	0.539	07	5.000	0.539	06	20.000	0.6016	06	20.000	0.6016
05	50.000	0.5535	05	50.000	0.5535	04	100.000	0.5519	04	100.000	0.5519
03	150.000	0.5216	03	150.000	0.5216	02	200.000	0.5048	02	200.000	0.5048

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.3848	10	0.500	0.3848	09	1.000	0.3808	09	1.000	0.3808
08	2.000	0.3634	08	2.000	0.3634	07	5.000	0.3243	07	5.000	0.3243
06	20.000	0.3498	06	20.000	0.3498	05	50.000	0.3304	05	50.000	0.3304
04	100.000	0.3344	04	100.000	0.3344	03	150.000	0.317	03	150.000	0.317
02	200.000	0.3158	02	200.000	0.3158						

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.616	10	0.500	0.616	09	1.000	0.5665	09	1.000	0.5665
08	2.000	0.6134	08	2.000	0.6134	07	5.000	0.6011	07	5.000	0.6011
06	20.000	0.5926	06	20.000	0.5926	05	50.000	0.5881	05	50.000	0.5881
04	100.000	0.6034	04	100.000	0.6034	03	150.000	0.6027	03	150.000	0.6027
02	200.000	0.5887	02	200.000	0.5887						

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.4083	10	0.500	0.4083	09	1.000	0.3035	09	1.000	0.3035
08	2.000	0.3079	08	2.000	0.3079	07	5.000	0.319	07	5.000	0.319

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1700082
Instrument ID: R-MS-06

Signal ID: 1

Analyte

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	20.000	0.3262	06	20.000	0.3262	05	50.000	0.3119	05	50.000	0.3119
04	100.000	0.3218	04	100.000	0.3218	03	150.000	0.3123	03	150.000	0.3123
02	200.000	0.3073	02	200.000	0.3073						

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.6011	10	0.500	0.6011	09	1.000	0.5808	09	1.000	0.5808
08	2.000	0.6636	08	2.000	0.6636	07	5.000	0.5687	07	5.000	0.5687
06	20.000	0.6044	06	20.000	0.6044	05	50.000	0.5767	05	50.000	0.5767
04	100.000	0.6162	04	100.000	0.6162	03	150.000	0.6589	03	150.000	0.6589
02	200.000	0.6245	02	200.000	0.6245						

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	1.000	0.4352	09	1.000	0.4352	08	2.000	0.3988	08	2.000	0.3988
07	5.000	0.3758	07	5.000	0.3758	06	20.000	0.4057	06	20.000	0.4057
05	50.000	0.3835	05	50.000	0.3835	04	100.000	0.3862	04	100.000	0.3862
03	150.000	0.3776	03	150.000	0.3776	02	200.000	0.3727	02	200.000	0.3727

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.3799	10	0.500	0.3799	09	1.000	0.4339	09	1.000	0.4339
08	2.000	0.3451	08	2.000	0.3451	07	5.000	0.3729	07	5.000	0.3729
06	20.000	0.3858	06	20.000	0.3858	05	50.000	0.3501	05	50.000	0.3501
04	100.000	0.3577	04	100.000	0.3577	03	150.000	0.346	03	150.000	0.346
02	200.000	0.332	02	200.000	0.332						

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	1.015	05	50.000	1.015	08	60.000	0.8919	08	60.000	0.8919
07	70.000	0.9273	07	70.000	0.9273	06	100.000	0.8613	06	100.000	0.8613
04	125.000	0.9428	04	125.000	0.9428	03	150.000	0.9808	03	150.000	0.9808

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	0.3721	05	50.000	0.3721	08	60.000	0.363	08	60.000	0.363
07	70.000	0.3629	07	70.000	0.3629	06	100.000	0.3408	06	100.000	0.3408
04	125.000	0.3559	04	125.000	0.3559	03	150.000	0.3569	03	150.000	0.3569

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	1.109	05	50.000	1.109	08	60.000	1.077	08	60.000	1.077
07	70.000	1.04	07	70.000	1.04	06	100.000	0.9732	06	100.000	0.9732
04	125.000	0.9457	04	125.000	0.9457	03	150.000	0.9299	03	150.000	0.9299

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1700082

Signal ID: 1

Instrument ID: R-MS-06

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	10.5	≤20	0.6482	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	6.4	≤20	0.5569	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.7	≤20	0.3445	0.100
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	2.5	≤20	0.597	0.200
Trichloroethene (TCE)	TRG	Average RF	% RSD	10.0	≤20	0.3242	0.200
Vinyl Chloride	TRG	Average RF	% RSD	5.6	≤20	0.6105	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	5.3	≤20	0.3919	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	8.4	≤20	0.367	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.0	≤20	0.9365	
Dibromofluoromethane	SURR	Average RF	% RSD	2.9	≤20	0.3586	
Toluene-d8	SURR	Average RF	% RSD	7.3	≤20	1.012	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1700082
Instrument ID: R-MS-06

Signal ID: 1

#	Lab Code	Sample Name	File Location	Aquisition Date
01	RC1700082-01	ICV	I:\ACQDATA\MSVOA6\DATA\082417\D7735.D	08/24/2017 16:05

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	48.4	6.482E-1	6.274E-1	-3.202	±30	Average RF
1,1,1-Trichloroethane (TCA)	50.0	48.4	6.482E-1	6.274E-1	-3.202	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.2	5.569E-1	5.594E-1	0.449	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.2	5.569E-1	5.594E-1	0.449	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.2	3.445E-1	3.181E-1	-7.673	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.2	3.445E-1	3.181E-1	-7.673	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.3	5.97E-1	6.124E-1	2.59	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.3	5.97E-1	6.124E-1	2.59	±30	Average RF
Trichloroethene (TCE)	50.0	50.5	3.242E-1	3.274E-1	0.976	±30	Average RF
Trichloroethene (TCE)	50.0	50.5	3.242E-1	3.274E-1	0.976	±30	Average RF
Vinyl Chloride	50.0	57.6	6.105E-1	7.037E-1	15.25	±30	Average RF
Vinyl Chloride	50.0	57.6	6.105E-1	7.037E-1	15.25	±30	Average RF
cis-1,2-Dichloroethene	50.0	50.2	3.919E-1	3.935E-1	0.407	±30	Average RF
cis-1,2-Dichloroethene	50.0	50.2	3.919E-1	3.935E-1	0.407	±30	Average RF
trans-1,2-Dichloroethene	50.0	46.8	3.67E-1	3.437E-1	-6.355	±30	Average RF
trans-1,2-Dichloroethene	50.0	46.8	3.67E-1	3.437E-1	-6.355	±30	Average RF
4-Bromofluorobenzene	50.0	54.2	9.365E-1	1.015E0	8.38	±30	Average RF
4-Bromofluorobenzene	50.0	54.2	9.365E-1	1.015E0	8.38	±30	Average RF
Dibromofluoromethane	50.0	52.0	3.586E-1	3.728E-1	3.95	±30	Average RF
Dibromofluoromethane	50.0	52.0	3.586E-1	3.728E-1	3.95	±30	Average RF
Toluene-d8	50.0	55.1	1.012E0	1.115E0	10.16	±30	Average RF
Toluene-d8	50.0	55.1	1.012E0	1.115E0	10.16	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/21/17 09:29

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\MSVOA6\DATA\092117\D8344.D\

Calibration Date: 8/24/2017
Calibration ID: RC1700082
Analysis Lot: 562566
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.1	0.6482	0.6105	-5.8	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.0	0.5569	0.6011	7.9	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.7	0.3445	0.3424	-0.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	50.8	0.597	0.6064	1.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	49.8	0.3242	0.3226	-0.5	NA	±20	Average RF
Vinyl Chloride	50.0	51.1	0.6105	0.6234	2.1	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	54.7	0.3919	0.4287	9.4	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	52.3	0.367	0.3841	4.7	NA	±20	Average RF
4-Bromofluorobenzene	50.0	53.5	0.9365	1.0012	6.9	NA	±20	Average RF
Dibromofluoromethane	50.0	52.4	0.3586	0.3759	4.8	NA	±20	Average RF
Toluene-d8	50.0	54.0	1.0124	1.0931	8.0	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Lot: 562566
Instrument ID: R-MS-06

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	08:59:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	Continuing Calibration Verification	RQ1709663-02	9/21/2017	09:29:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	Lab Control Sample	RQ1709663-03	9/21/2017	09:59:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	Method Blank	RQ1709663-04	9/21/2017	11:22:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	TRIP BLANK	R1708700-001	9/21/2017	11:48:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	EB-091417	R1708700-011	9/21/2017	12:14:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	TMP-A	R1708700-002	9/21/2017	12:40:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	DMW-3	R1708700-005	9/21/2017	13:06:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	MW-13	R1708700-007	9/21/2017	13:32:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	MW-10	R1708700-004	9/21/2017	13:58:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	14:24:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	14:49:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	15:15:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	15:43:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	16:09:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	16:34:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	17:00:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	DUP-091417	R1708700-012	9/21/2017	17:26:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	17:52:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	18:18:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	18:43:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	19:09:00	
I:\ACQUDATA\MSVOA6\DATA\092117\092117.D\	DMW-3 MS	RQ1709663-05	9/21/2017	19:35:00	

dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request:R1708700

Analysis Run Log

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Lot:562566
Instrument ID:R-MS-06

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA6\DATA\092117\D8368.D\	DMW-3 DMS	RQ1709663-06	9/21/2017	20:00:00	
I:\ACQUDATA\MSVOA6\DATA\092117\D8369.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	20:26:00	
I:\ACQUDATA\MSVOA6\DATA\092117\D8370.D\	ZZZZZZZ	ZZZZZZZ	9/21/2017	20:52:00	

Analysis: 8260C/624 Analyst: P. Nigam pH strips: Hydriom 206717 Tune Method: W082417.M
 Date: 09/21/17 Balance ID: 50 mL Class A used for dilution FV ResCl strips: HF 033117L Run Method: ↓
 Instr: GCMS#6 Syringes: 181116 (10ul) LIMS Run#: 562566

Data Path: j:\acqdata\msv\oa4\instid\ (Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	B/K							D8342		
2	Tune Check		(Run at a B/K)					43	Y	
3	CCV							44	Y	
4	LCS							45	Y	
5	Met B/K							46	N	-X-aver
6	Met B/K							47	N	
7	Met B/K							48	Y	
8	R1708700-001	1.0	(8260C)	6646	IV	-1	<2	49	Y	
9		1.0				-1	<2	D8350	Y	
10		1.0				-1	<2	51	Y	
11		1.0				-1	<2	52	Y	
12		1.0				-1	<2	53	Y	
13		1.0	DL 9-22-17			-1	<2	54	Y	
14	R1708768-004	25	2.0ml/50ml (624) R.C. =	8532	II	-2	<2	55	Y	
15	R1708784-001	500	1.0ml/100ml; 10ml/50ml	17638	I	-1	~12	56	Y	
16		500				-1	~12	57	Y	
17	R1708822-001	1.0	(8260C)	6780	II	-1	<2	58	Y	
18		1.0				-1	<2	59	Y	
19		1.0				-1	<2	D8360	Y	
20	R1708781-002	1.0	(624) Res. Chlon. = neg	13976	I	-2	6.7	61	Y	
21	R1708700-0012	1.0	(8260C)	6646	IV	-1	<2	62	Y	
22	R1708249-007	1.0		9866	II	-1	<2	63	Y	
23		1.0				-1	<2	64	Y	
24		1.0				-1	<2	65	Y	
25		1.0				-1	<2	66	Y	
26	R1708700-005MS	1.0		6646	IV	-2	<2	67	Y	
27		1.0				-3	<2	68	Y	
28	R1708822-004MS	1.0		6780	II	-2	<2	69	Y	
29		1.0				-3	<2	D8370	Y	
30	B/K					-	-	71	N	
31	B/K					-	-	72	Y	

All samples = 5.0 ml + 1.0 ul combined IS/Surr. 5.0 ml purged

Primary TG: 184032 5.0ul Secondary TG: 183878 2.0ul Combined IS/Surr 250: 184136
 Primary HSL: 184116 Secondary HSL: 184186 2.0ul Surrogate: —
 Primary Fr+: 183932 Secondary Fr+: 184000 5.0ul Internal Std: —
 Primary: — Secondary: — Reagents: —

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 10:05
Date Received: 09/15/17 09:05

Sample Name: MW-9
Lab Code: R1708700-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.61 J	1.0	0.36	1	09/19/17 18:01	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	09/19/17 18:01	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/19/17 18:01	
Tetrachloroethene (PCE)	0.30 J	1.0	0.30	1	09/19/17 18:01	
Trichloroethene (TCE)	21	1.0	0.22	1	09/19/17 18:01	
Vinyl Chloride	ND U	1.0	0.32	1	09/19/17 18:01	
cis-1,2-Dichloroethene	0.92 J	1.0	0.30	1	09/19/17 18:01	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 18:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/19/17 18:01	
Dibromofluoromethane	102	89 - 119	09/19/17 18:01	
Toluene-d8	110	87 - 121	09/19/17 18:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 11:35
Date Received: 09/15/17 09:05

Sample Name: MW-11
Lab Code: R1708700-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	10	3.6	10	09/19/17 17:35	
1,1-Dichloroethane (1,1-DCA)	ND U	10	2.0	10	09/19/17 17:35	
1,1-Dichloroethene (1,1-DCE)	ND U	10	5.7	10	09/19/17 17:35	
Tetrachloroethene (PCE)	ND U	10	3.0	10	09/19/17 17:35	
Trichloroethene (TCE)	ND U	10	2.2	10	09/19/17 17:35	
Vinyl Chloride	ND U	10	3.2	10	09/19/17 17:35	
cis-1,2-Dichloroethene	ND U	10	3.0	10	09/19/17 17:35	
trans-1,2-Dichloroethene	ND U	10	3.3	10	09/19/17 17:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/19/17 17:35	
Dibromofluoromethane	99	89 - 119	09/19/17 17:35	
Toluene-d8	109	87 - 121	09/19/17 17:35	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 13:27
Date Received: 09/15/17 09:05

Sample Name: MW-17
Lab Code: R1708700-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.2	1.0	0.36	1	09/19/17 18:27	
1,1-Dichloroethane (1,1-DCA)	14	1.0	0.20	1	09/19/17 18:27	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/19/17 18:27	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/19/17 18:27	
Trichloroethene (TCE)	0.61 J	1.0	0.22	1	09/19/17 18:27	
Vinyl Chloride	ND U	1.0	0.32	1	09/19/17 18:27	
cis-1,2-Dichloroethene	0.40 J	1.0	0.30	1	09/19/17 18:27	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 18:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/19/17 18:27	
Dibromofluoromethane	101	89 - 119	09/19/17 18:27	
Toluene-d8	112	87 - 121	09/19/17 18:27	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 13:30
Date Received: 09/15/17 09:05

Sample Name: MW-8
Lab Code: R1708700-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	3.7	1.0	0.36	1	09/19/17 18:53	
1,1-Dichloroethane (1,1-DCA)	5.5	1.0	0.20	1	09/19/17 18:53	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.57	1	09/19/17 18:53	
Tetrachloroethene (PCE)	ND U	1.0	0.30	1	09/19/17 18:53	
Trichloroethene (TCE)	ND U	1.0	0.22	1	09/19/17 18:53	
Vinyl Chloride	ND U	1.0	0.32	1	09/19/17 18:53	
cis-1,2-Dichloroethene	ND U	1.0	0.30	1	09/19/17 18:53	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 18:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/19/17 18:53	
Dibromofluoromethane	99	89 - 119	09/19/17 18:53	
Toluene-d8	111	87 - 121	09/19/17 18:53	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003
Sample Matrix: Water

Service Request: R1708700
Date Collected: 09/14/17 13:40
Date Received: 09/15/17 09:05

Sample Name: MW-16
Lab Code: R1708700-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	6.7	1.0	0.36	1	09/19/17 19:18	
1,1-Dichloroethane (1,1-DCA)	31	1.0	0.20	1	09/19/17 19:18	
1,1-Dichloroethene (1,1-DCE)	1.2	1.0	0.57	1	09/19/17 19:18	
Tetrachloroethene (PCE)	0.30 J	1.0	0.30	1	09/19/17 19:18	
Trichloroethene (TCE)	13	1.0	0.22	1	09/19/17 19:18	
Vinyl Chloride	2.7	1.0	0.32	1	09/19/17 19:18	
cis-1,2-Dichloroethene	67	1.0	0.30	1	09/19/17 19:18	
trans-1,2-Dichloroethene	ND U	1.0	0.33	1	09/19/17 19:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/19/17 19:18	
Dibromofluoromethane	101	89 - 119	09/19/17 19:18	
Toluene-d8	109	87 - 121	09/19/17 19:18	

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8306.D

Vial: 25

Acq On : 19 Sep 2017 6:01 pm

Operator: D.Lipani

Sample : R1708700-003|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:31 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	260282	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	355243	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	178423	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	192677	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	129941	51.00	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	102.00%
43) surr1,1,2-dichloroethane-d	4.48	65	136565	49.49	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	98.98%
65) SURR3,Toluene-d8	7.89	98	395774	55.02	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.04%
86) SURR2,BFB	10.25	95	167641	50.16	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	100.32%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.45	94	486	0.25	ug/L	# 28
9) Freon 123a	1.73	67	1226	0.53	ug/L	82
14) Acetone	1.87	43	1093	2.24	ug/L	77 NT
21) Freon 113	2.25	101	11282	5.51	ug/L	92
33) cis-1,2-Dichloroethene	3.47	96	1867	0.92	ug/L	# 43
35) Chloroform	3.72	83	1218	0.35	ug/L	89
39) 1,1,1-Trichloroethane	4.73	97	2067	0.61	ug/L	# 62
54) Trichloroethene	6.32	130	48886	21.22	ug/L	99
74) Tetrachloroethene	8.63	164	642	0.30	ug/L	90

Quantitation Report

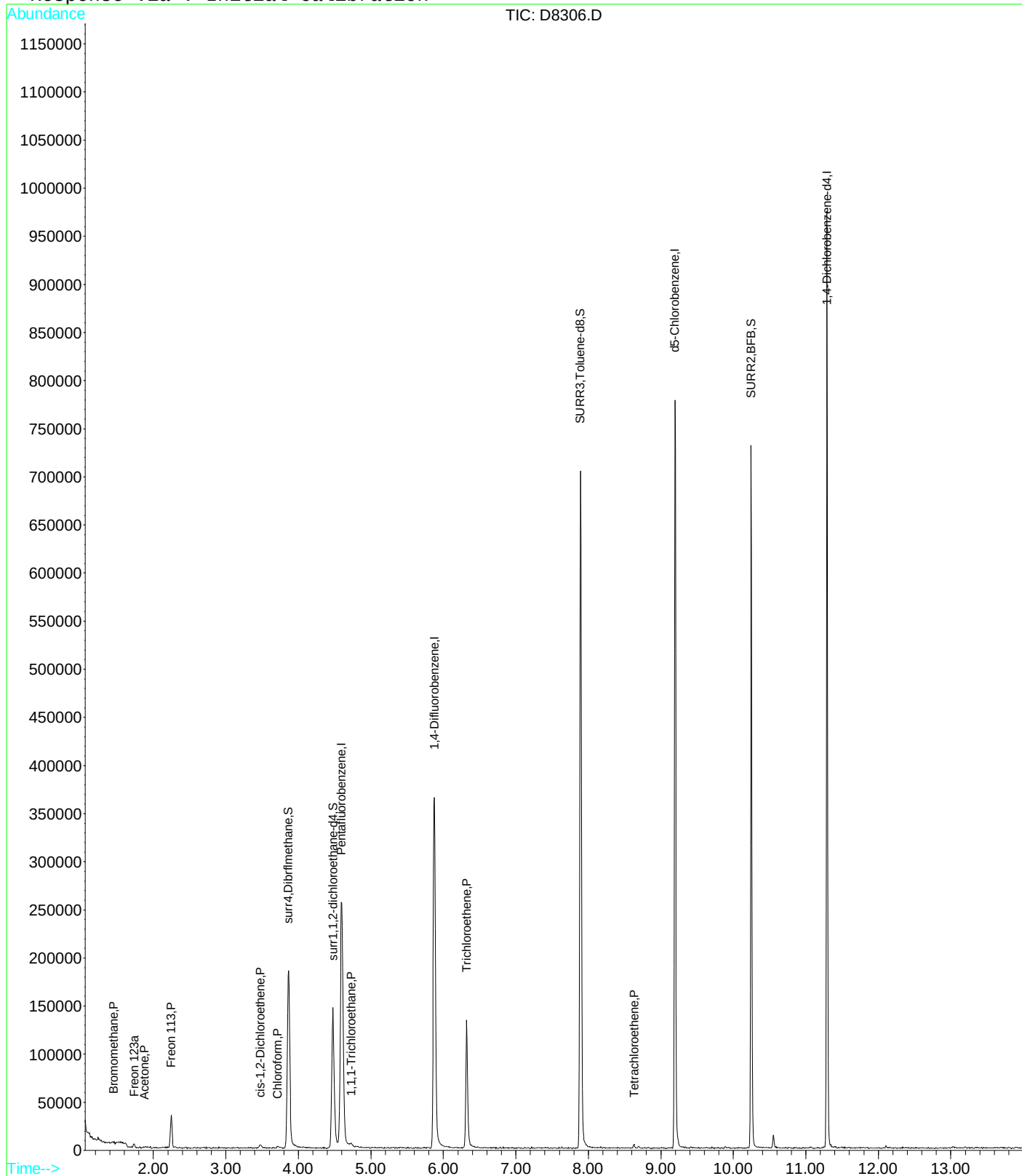
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2nd *FJ* 09/22/17

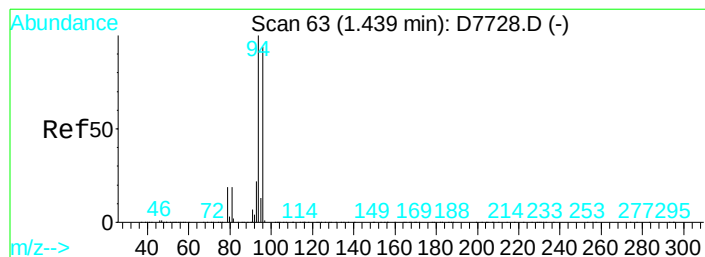
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Acq On : 19 Sep 2017 6:01 pm
Sample : R1708700-003|1.0
Misc : Verina 8260C 7979 T4
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:31 2017

Vial: 25
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

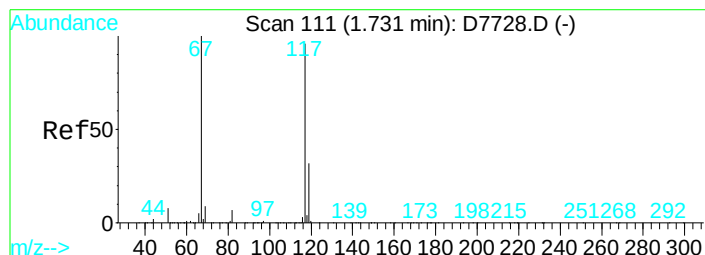
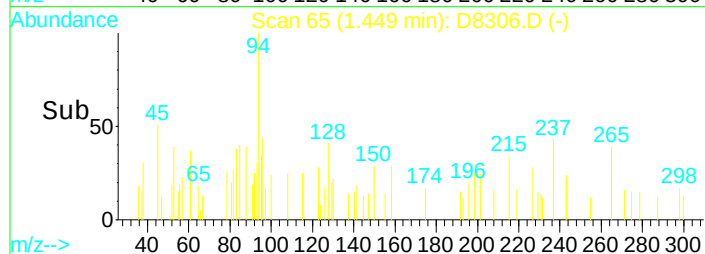
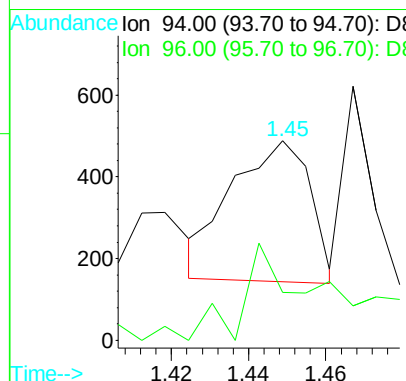
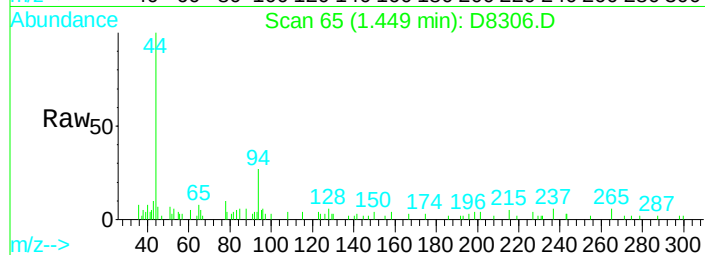
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





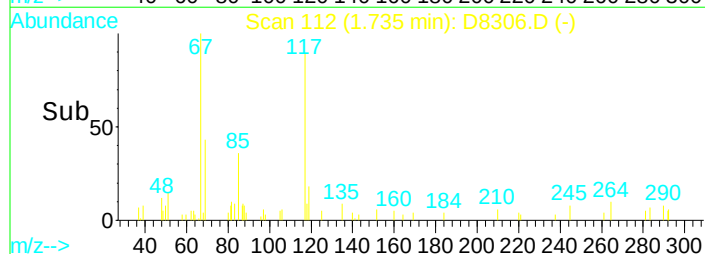
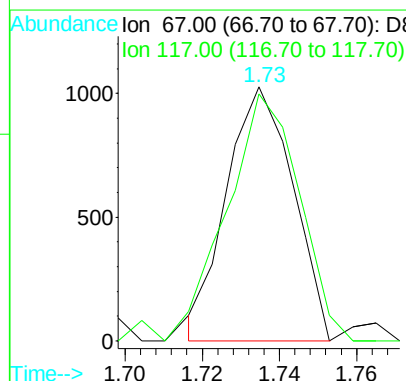
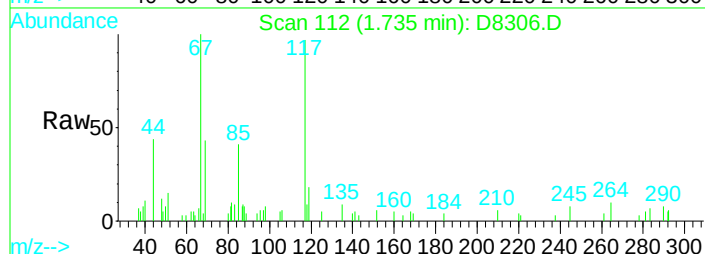
#5
 Bromomethane
 Concen: 0.25 ug/L
 RT: 1.45 min Scan# 65
 Delta R.T. 0.01 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

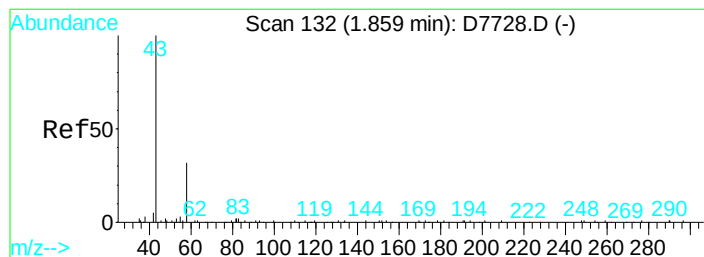
Tgt Ion: 94 Resp: 486
 Ion Ratio Lower Upper
 94 100
 96 24.0 73.7 113.7#



#9
 Freon 123a
 Concen: 0.53 ug/L
 RT: 1.73 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

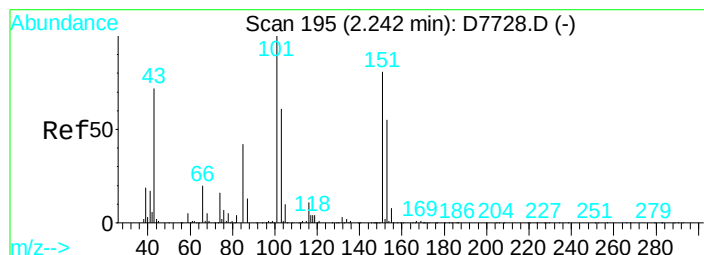
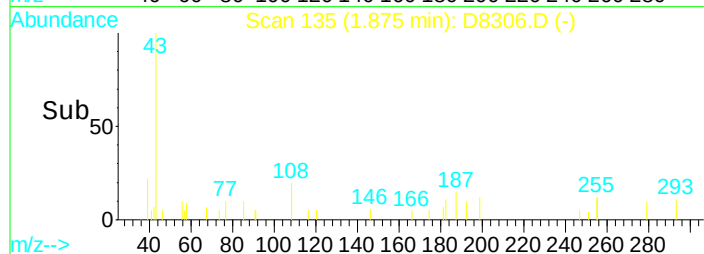
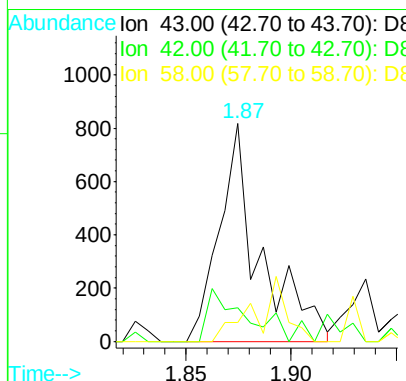
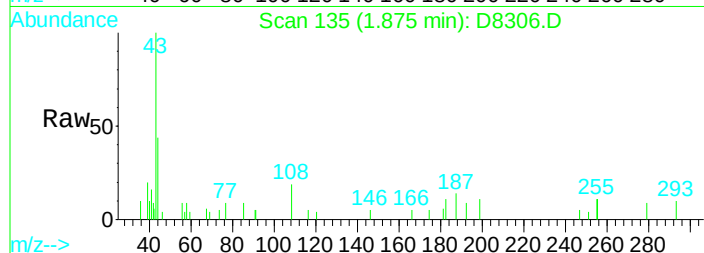
Tgt Ion: 67 Resp: 1226
 Ion Ratio Lower Upper
 67 100
 117 97.4 61.0 101.0





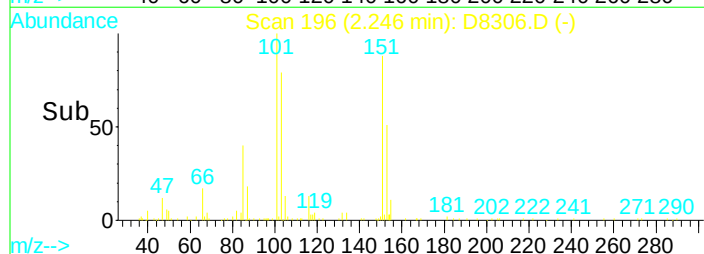
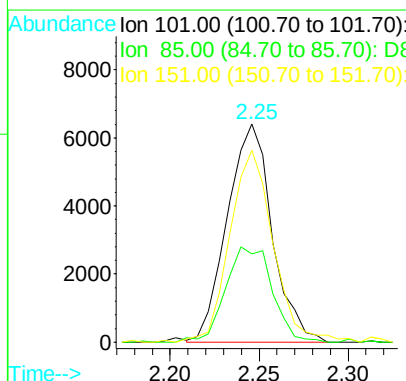
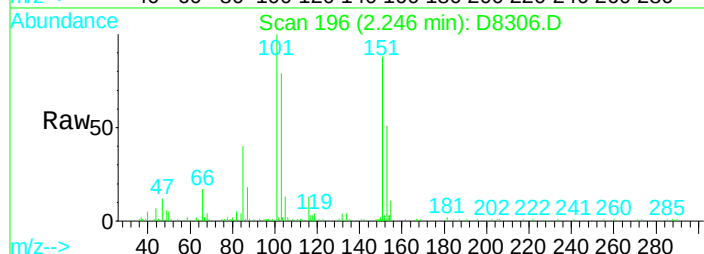
#14
 Acetone
 Concen: 2.24 ug/L
 RT: 1.87 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

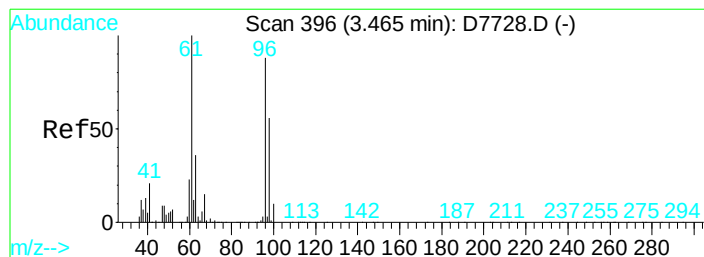
Tgt Ion:	43	Resp:	1093
Ion	Ratio	Lower	Upper
43	100		
42	15.4	0.0	31.4
58	8.5	3.1	43.1



#21
 Freon 113
 Concen: 5.51 ug/L
 RT: 2.25 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

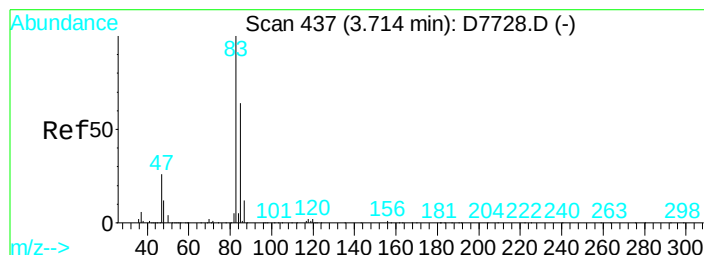
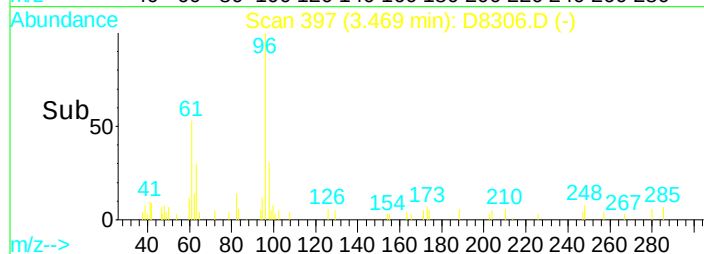
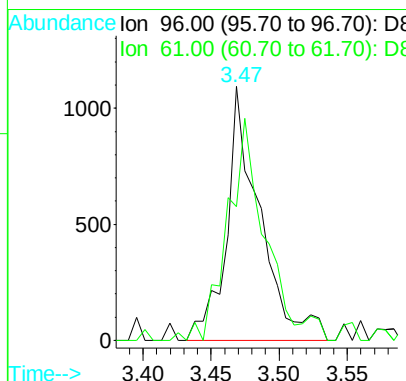
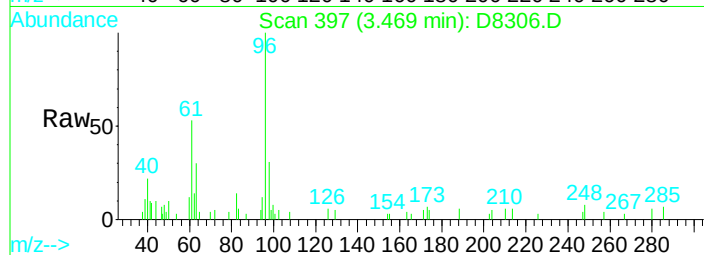
Tgt Ion:	101	Resp:	11282
Ion	Ratio	Lower	Upper
101	100		
85	40.4	25.6	65.6
151	87.8	61.0	101.0





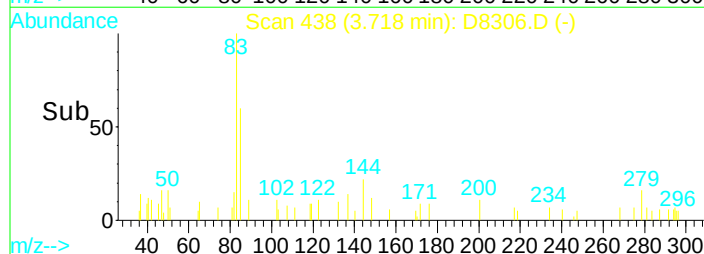
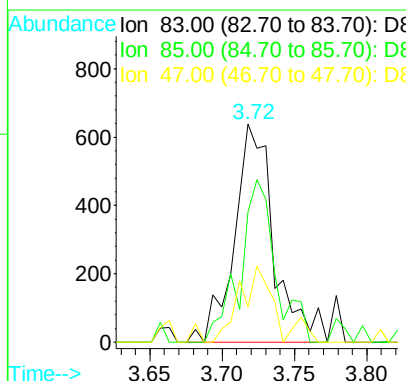
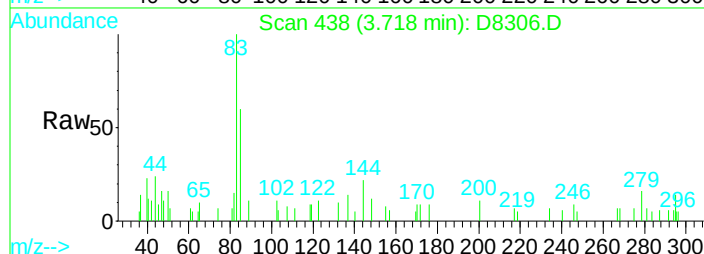
#33
 cis-1,2-Dichloroethene
 Concen: 0.92 ug/L
 RT: 3.47 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

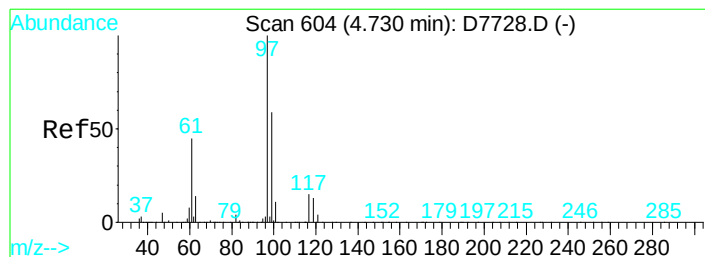
Tgt Ion: 96 Resp: 1867
 Ion Ratio Lower Upper
 96 100
 61 52.6 93.6 133.6#



#35
 Chloroform
 Concen: 0.35 ug/L
 RT: 3.72 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

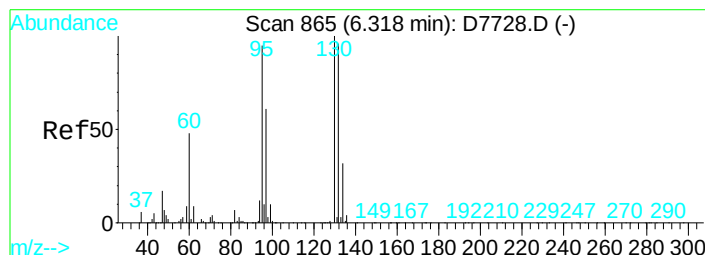
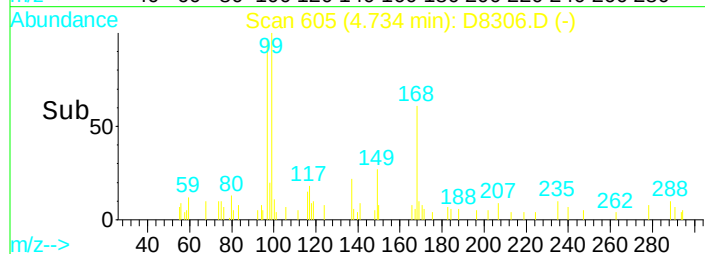
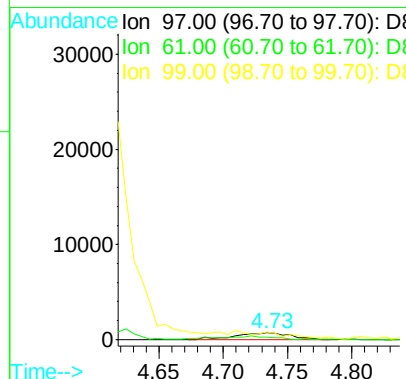
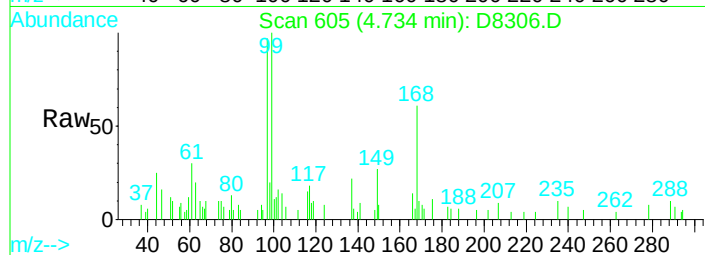
Tgt Ion: 83 Resp: 1218
 Ion Ratio Lower Upper
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 85 59.6 43.9 83.9
 47 16.1 8.1 48.1





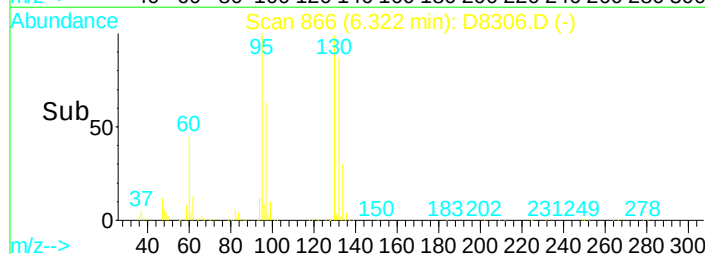
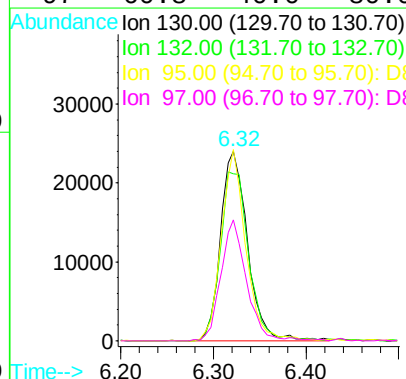
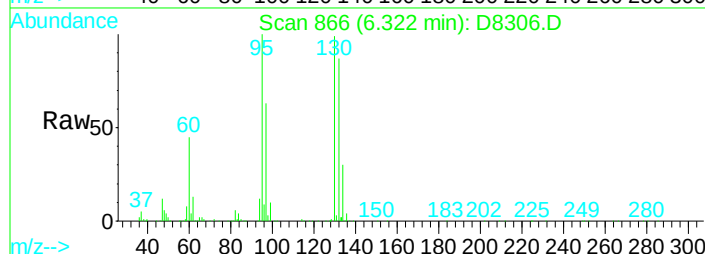
#39
 1,1,1-Trichloroethane
 Concen: 0.61 ug/L
 RT: 4.73 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

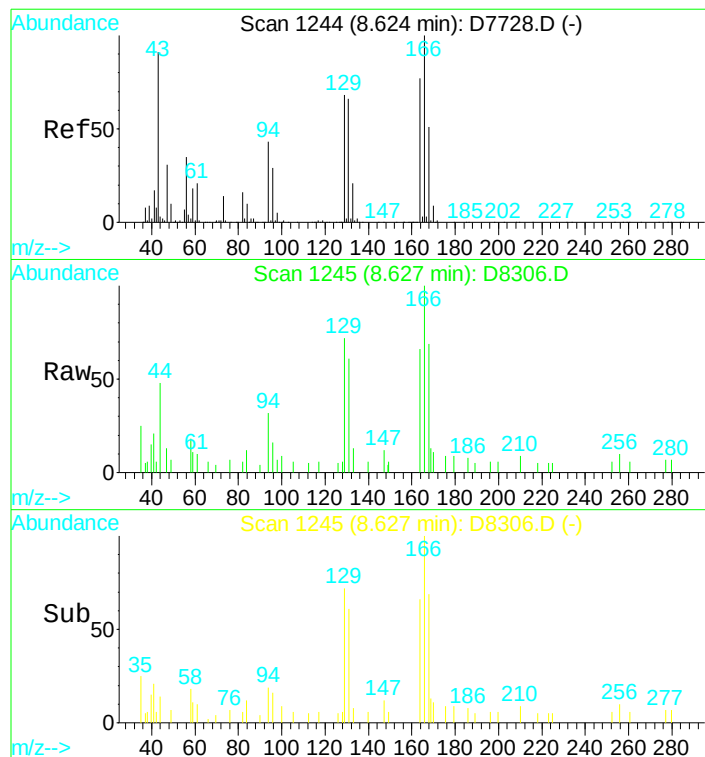
Tgt Ion:	97	Resp:	2067
Ion Ratio	Lower	Upper	
97	100		
61	31.0	26.0	66.0
99	102.7	44.3	84.3#



#54
 Trichloroethene
 Concen: 21.22 ug/L
 RT: 6.32 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

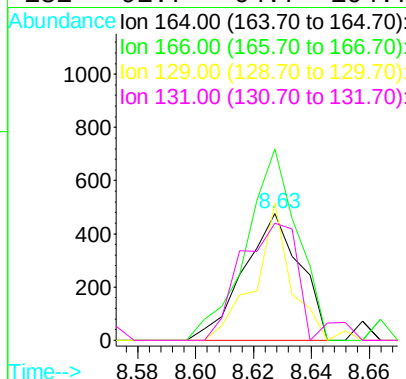
Tgt Ion:	130	Resp:	48886
Ion Ratio	Lower	Upper	
130	100		
132	95.0	75.8	115.8
95	91.9	72.3	112.3
97	60.8	40.0	80.0





#74
 Tetrachloroethene
 Concen: 0.30 ug/L
 RT: 8.63 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: D8306.D
 Acq: 19 Sep 2017 6:01 pm

Tgt Ion:	164	Resp:	642
Ion Ratio	Lower	Upper	
164	100		
166	138.5	111.1	151.1
129	69.3	67.3	107.3
131	91.7	64.7	104.7



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8305.D

Vial: 24

Acq On : 19 Sep 2017 5:35 pm

Operator: D.Lipani

Sample : R1708700-006|10

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:28 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	261183	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	359860	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	178060	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	191482	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	127294	49.32	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	98.64%
43) surr1,1,2-dichloroethane-d	4.47	65	131819	47.15	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	94.30%
65) SURR3,Toluene-d8	7.89	98	397465	54.55	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	109.10%
86) SURR2,BFB	10.25	95	163495	49.02	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	98.04%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
14) Acetone	1.86	43	4994	10.21	ug/L	81
39) 1,1,1-Trichloroethane	4.74	97	686	0.20	ug/L	# 79
106) Naphthalen	13.20	128	1849	0.29	ug/L	# 71

Sample diluted due to dark color, foamy nature

Quantitation Report

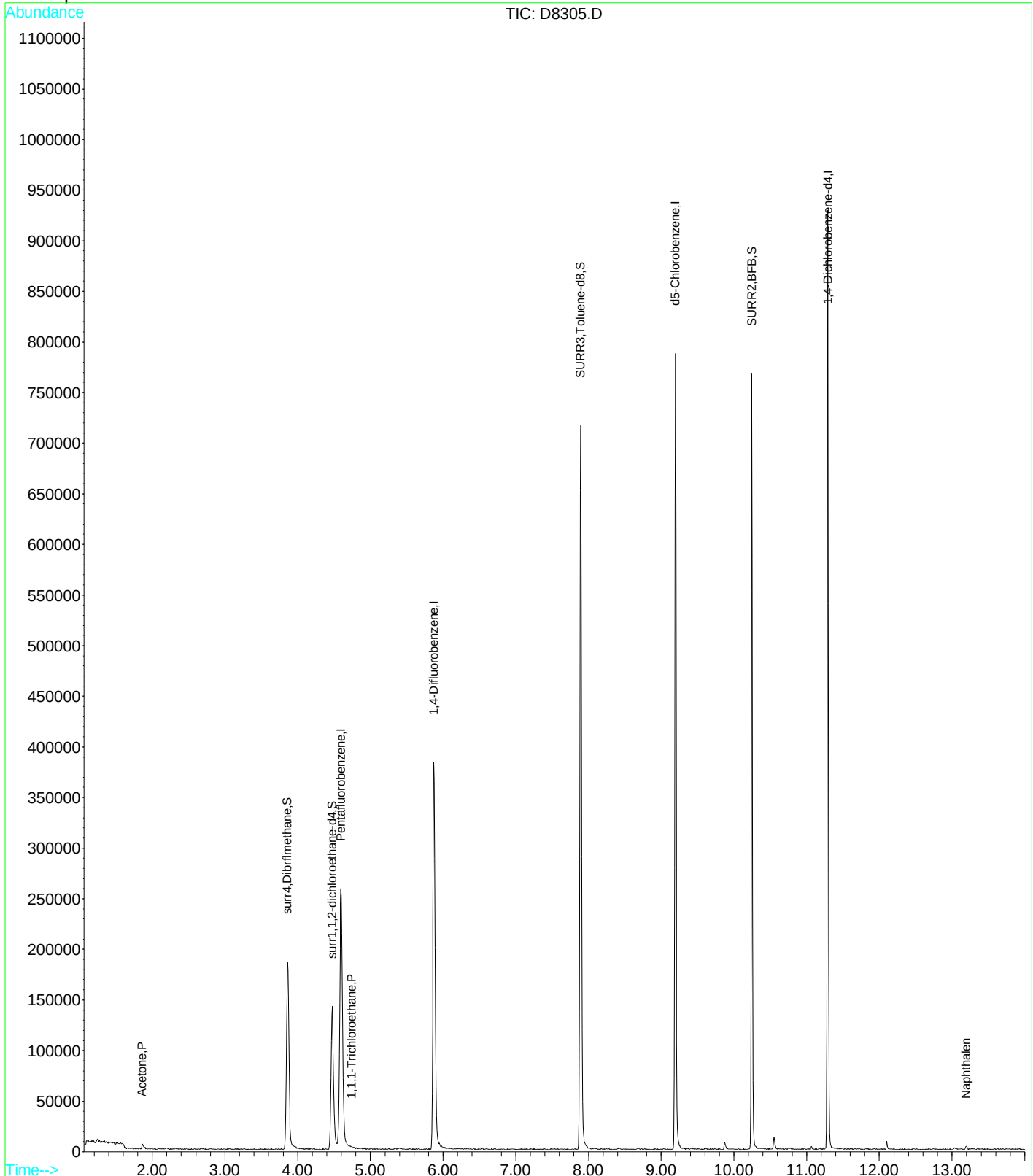
1st *DL* 09/21/17
2nd *FJ* 09/22/17

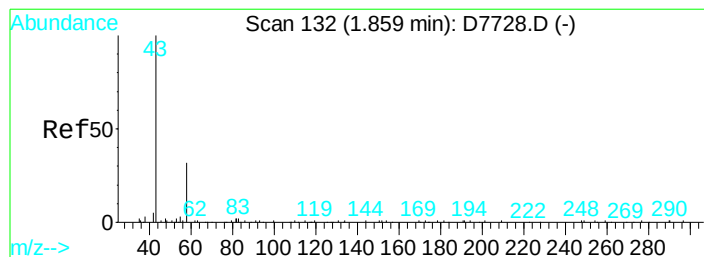
Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8305.D
Acq On : 19 Sep 2017 5:35 pm
Sample : R1708700-006|10
Misc : Verina 8260C 7979 T4
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:28 2017

Vial: 24
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

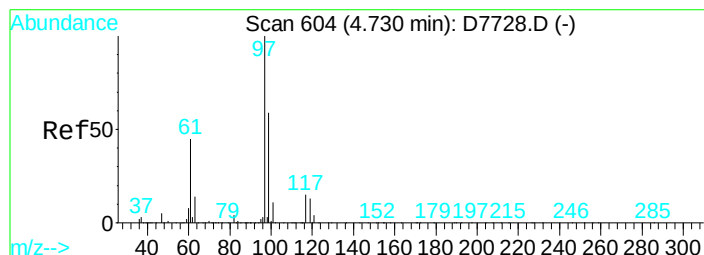
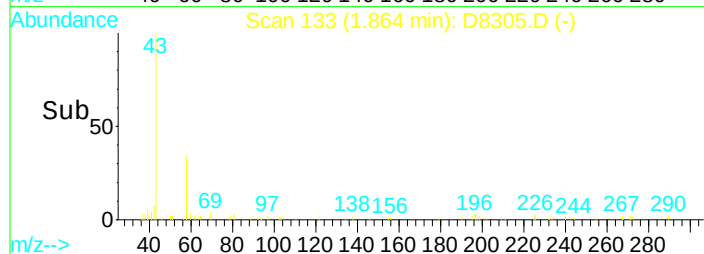
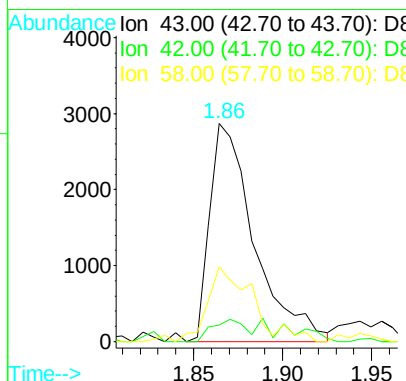
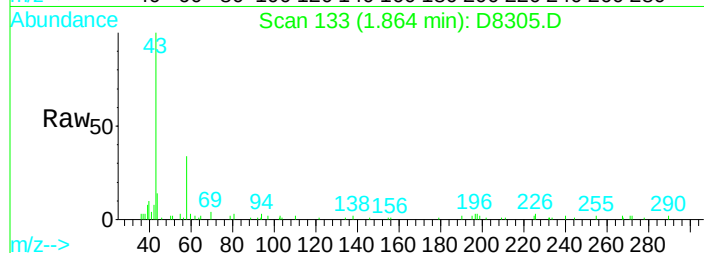
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





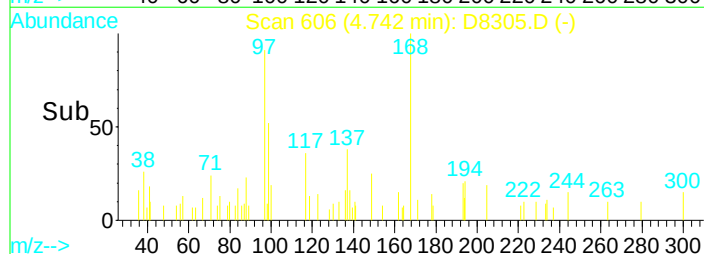
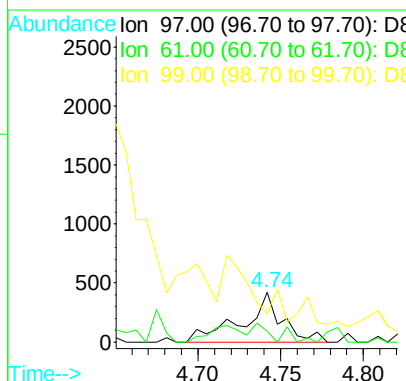
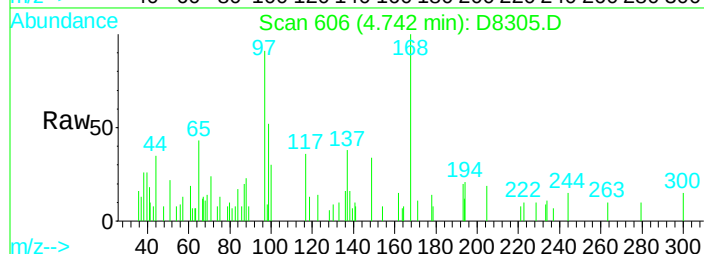
#14
 Acetone
 Concen: 10.21 ug/L
 RT: 1.86 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: D8305.D
 Acq: 19 Sep 2017 5:35 pm

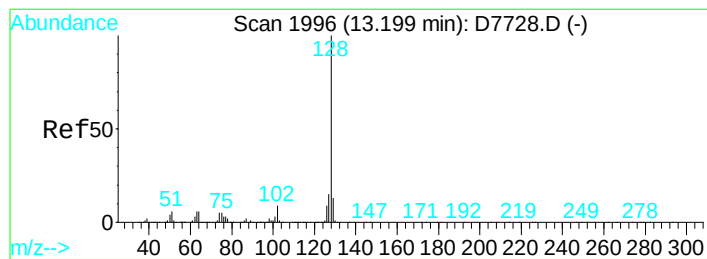
Tgt Ion:	43	Resp:	4994
Ion	Ratio	Lower	Upper
43	100		
42	7.7	0.0	31.4
58	34.3	3.1	43.1



#39
 1,1,1-Trichloroethane
 Concen: 0.20 ug/L
 RT: 4.74 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: D8305.D
 Acq: 19 Sep 2017 5:35 pm

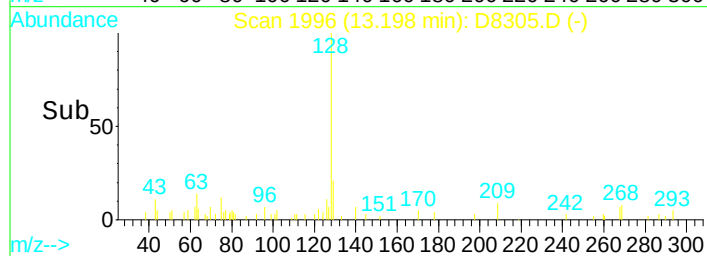
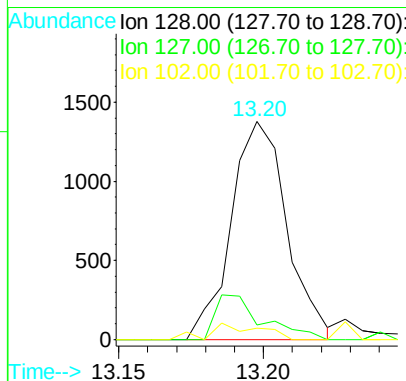
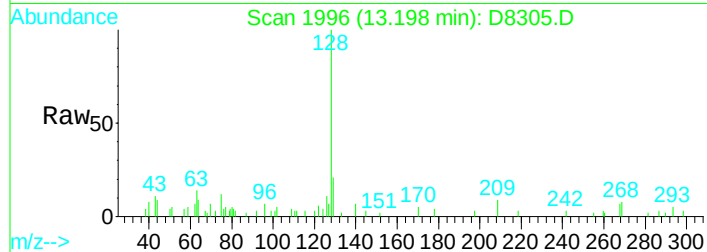
Tgt Ion:	97	Resp:	686
Ion	Ratio	Lower	Upper
97	100		
61	20.9	26.0	66.0#
99	56.9	44.3	84.3





#106
 Naphthalen
 Concen: 0.29 ug/L
 RT: 13.20 min Scan# 1996
 Delta R.T. -0.00 min
 Lab File: D8305.D
 Acq: 19 Sep 2017 5:35 pm

Tgt Ion:	128	Resp:	1849
Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	35.0
102	2.7	0.0	29.4



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D

Vial: 26

Acq On : 19 Sep 2017 6:27 pm

Operator: D.Lipani

Sample : R1708700-008|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:03 2017

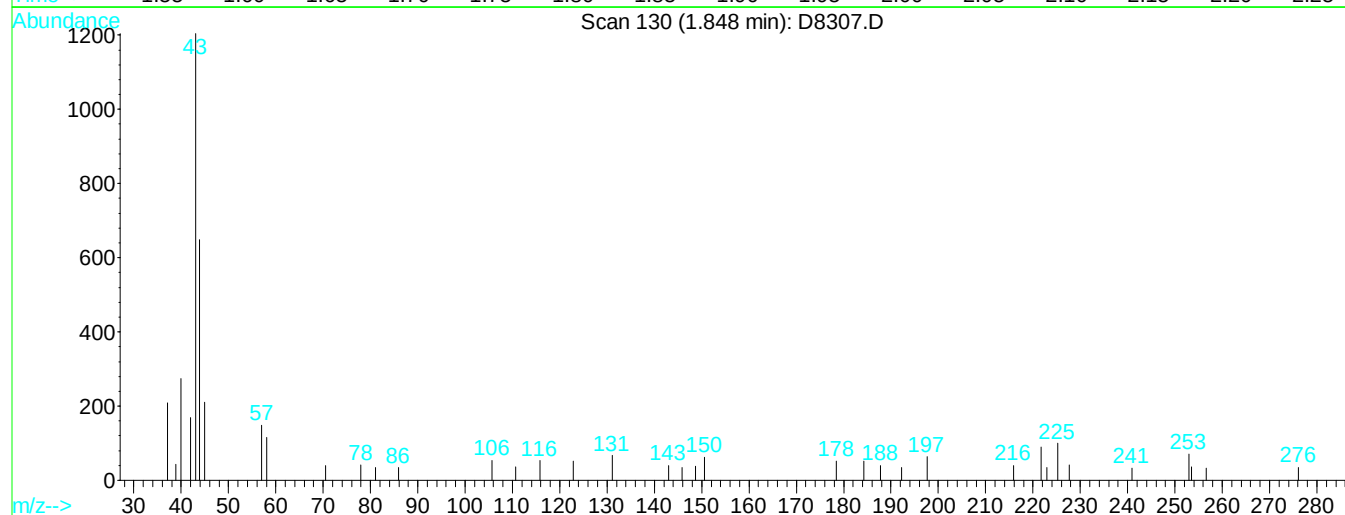
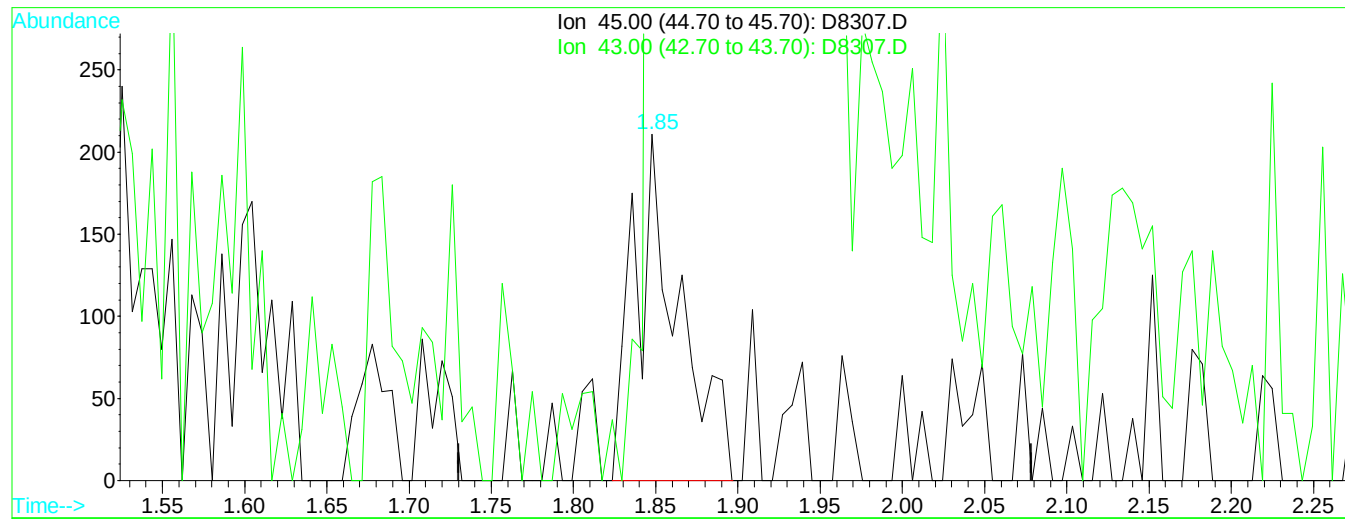
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8307.D

(13) 2-Propanol

Manual Integration:

1.85min 4.26ug/L m

After

response 397

Split Peak.

09/21/17

Ion	Exp%	Act%
45.00	100	100
43.00	23.50	570.62#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D

Vial: 26

Acq On : 19 Sep 2017 6:27 pm

Operator: D.Lipani

Sample : R1708700-008|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:03 2017

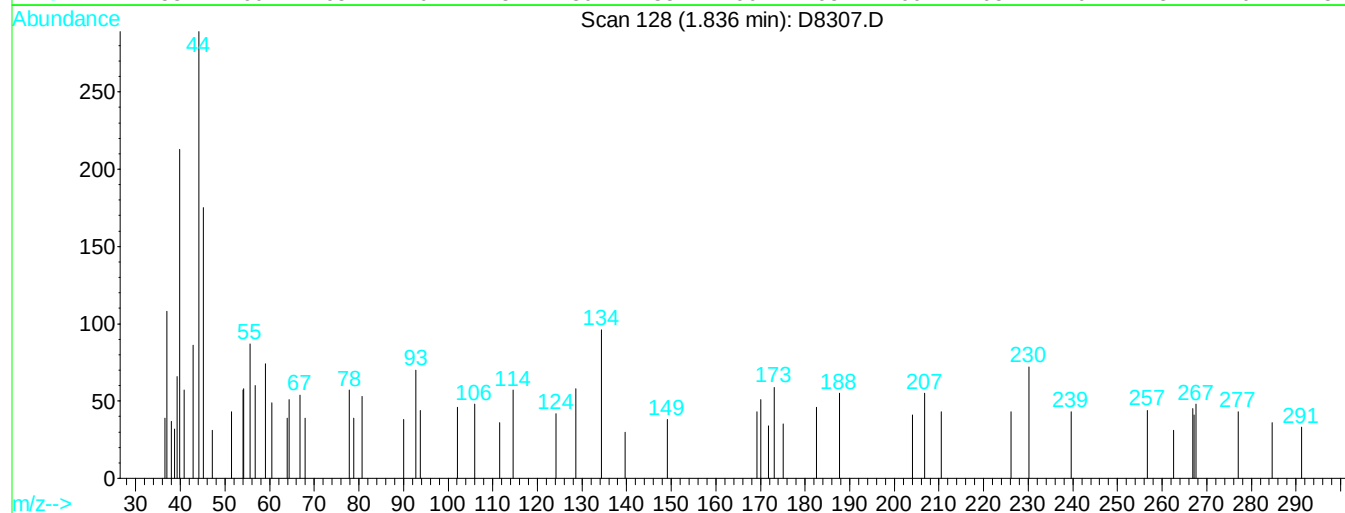
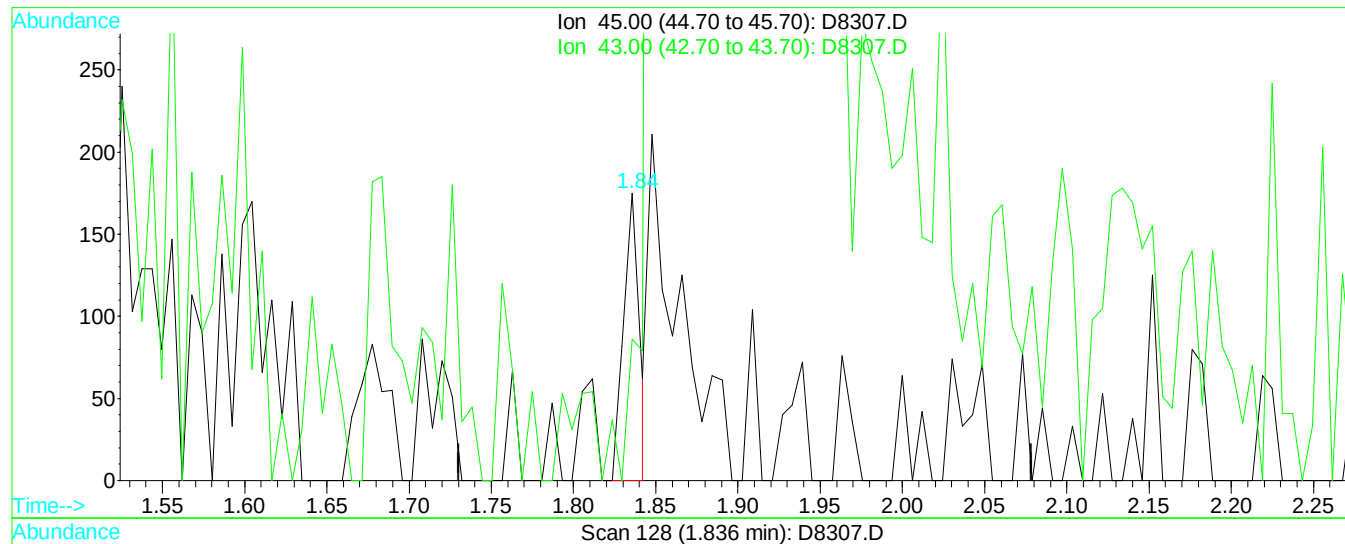
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8307.D

(13) 2-Propanol

Manual Integration:

1.84min 1.25ug/L

Before

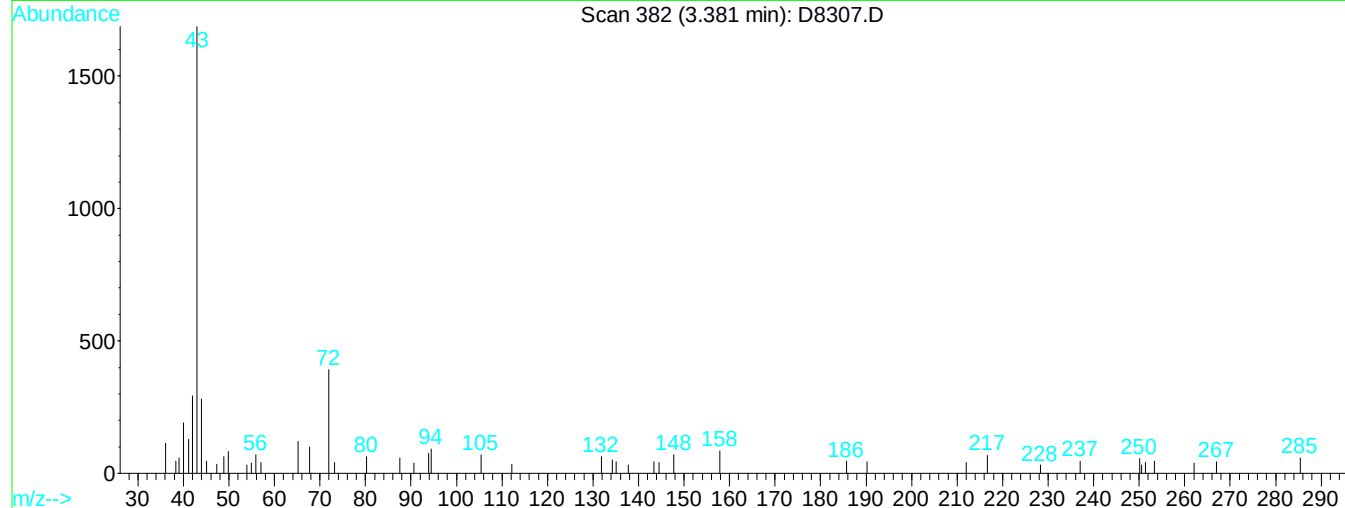
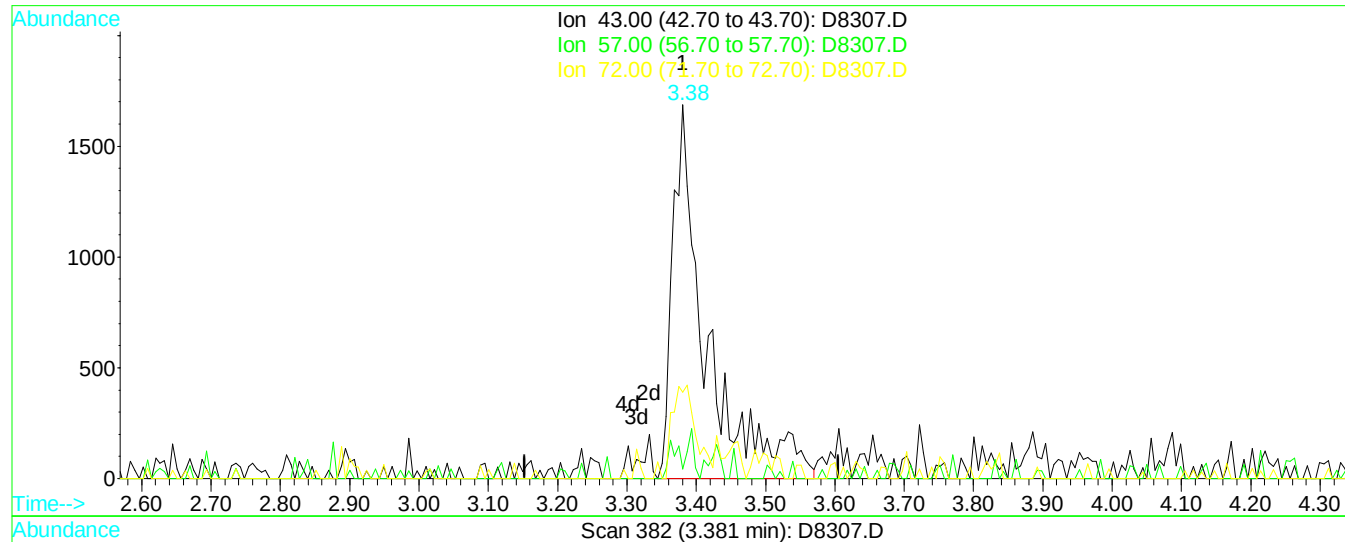
response 116

09/21/17

Ion	Exp%	Act%
45.00	100	100
43.00	23.50	49.14#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D Vial: 26
Acq On : 19 Sep 2017 6:27 pm Operator: D.Lipani
Sample : R1708700-008|1.0 Inst : MS#6
Misc : Verina 8260C 7979 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:04 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Single Level Calibration



TIC: D8307.D

(31) 2-Butanone (P)

Manual Integration:

3.38min 9.04ug/L m

After

response 5648

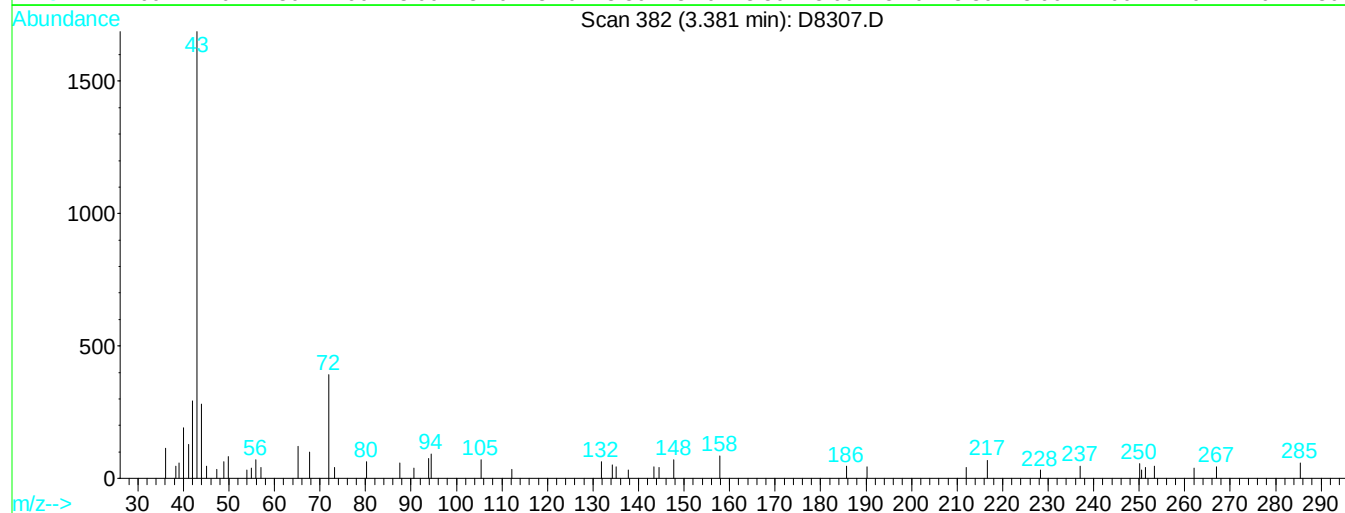
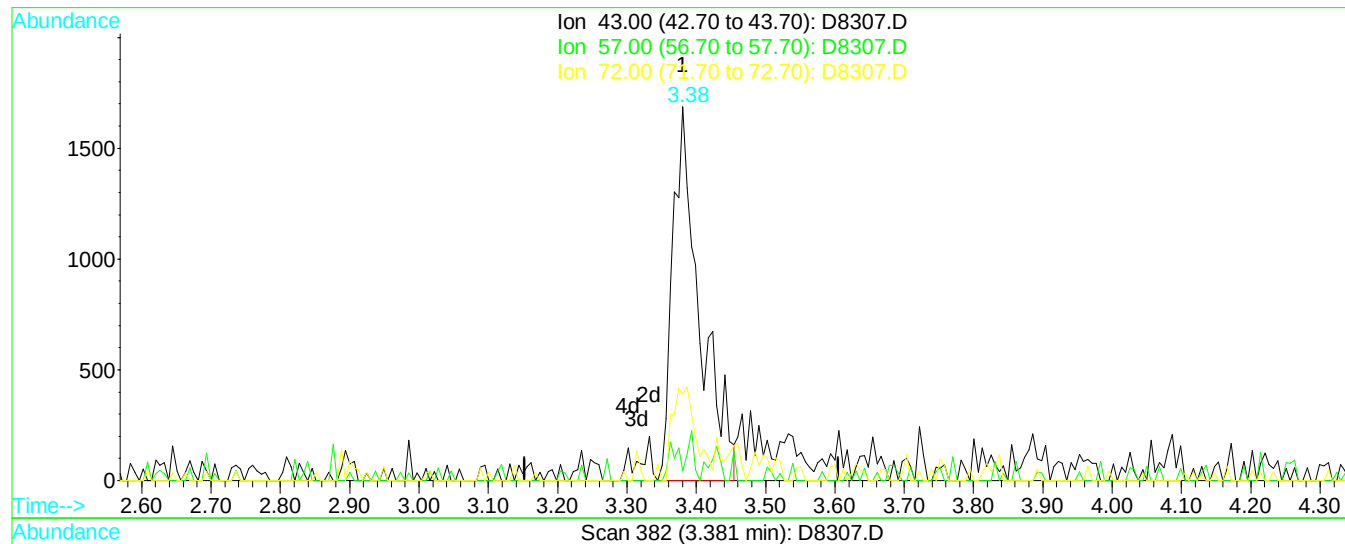
Split Peak.

09/21/17

Ion	Exp%	Act%
43.00	100	100
57.00	9.40	2.49
72.00	25.60	23.18
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D Vial: 26
Acq On : 19 Sep 2017 6:27 pm Operator: D.Lipani
Sample : R1708700-008|1.0 Inst : MS#6
Misc : Verina 8260C 7979 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:03 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Single Level Calibration



TIC: D8307.D

(31) 2-Butanone (P)

Manual Integration:

3.38min 7.32ug/L

Before

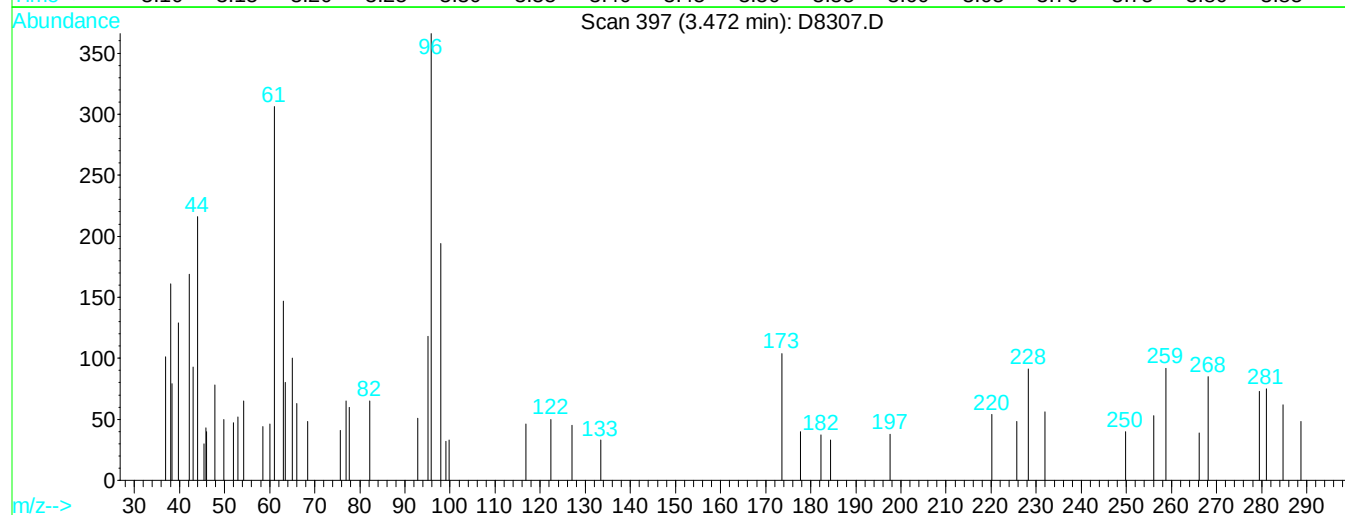
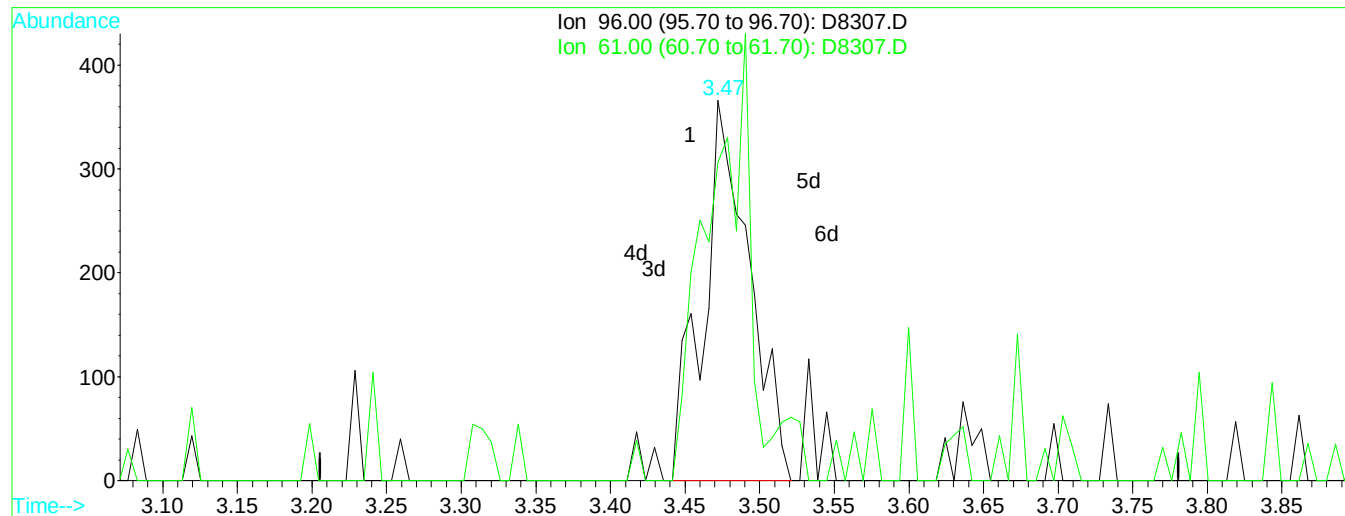
response 4577

Ion	Exp%	Act%
43.00	100	100
57.00	9.40	2.49
72.00	25.60	23.18
0.00	0.00	0.00

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D Vial: 26
Acq On : 19 Sep 2017 6:27 pm Operator: D.Lipani
Sample : R1708700-008|1.0 Inst : MS#6
Misc : Verina 8260C 7979 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:04 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Multiple Level Calibration



TIC: D8307.D

(33) cis-1,2-Dichloroethene (P)

Manual Integration:

3.47min 0.40ug/L m

After

response 789

Peak not found.

Ion	Exp%	Act%
96.00	100	100
61.00	113.60	83.61#
0.00	0.00	0.00
0.00	0.00	0.00

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D

Vial: 26

Acq On : 19 Sep 2017 6:27 pm

Operator: D.Lipani

Sample : R1708700-008|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:04 2017

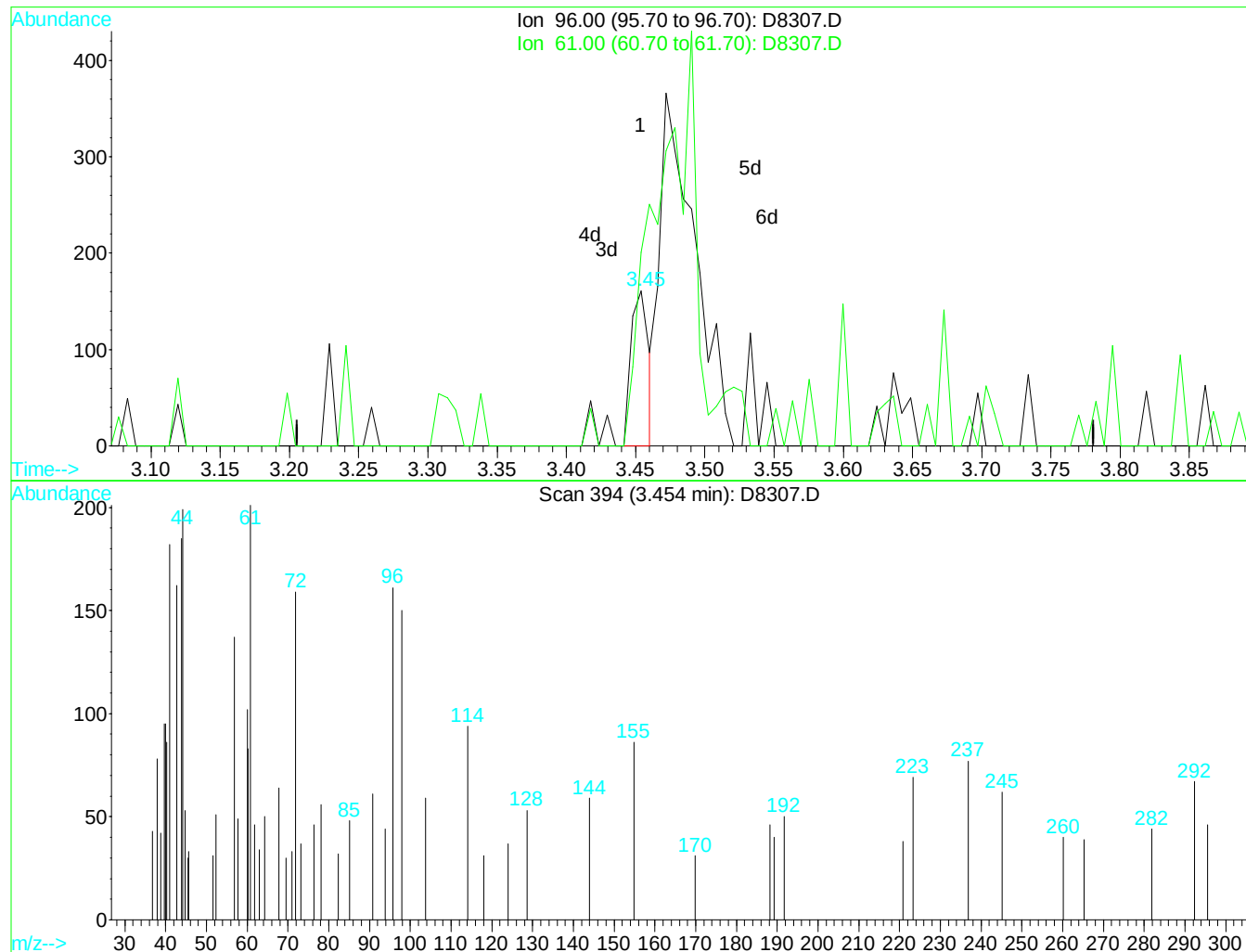
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8307.D

(33) cis-1,2-Dichloroethene (P)

Manual Integration:

3.45min 0.07ug/L

Before

response 144

Ion	Exp%	Act%

09/21/17

96.00	100	100

61.00	113.60	124.84

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D

Vial: 26

Acq On : 19 Sep 2017 6:27 pm

Operator: D.Lipani

Sample : R1708700-008|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:05 2017

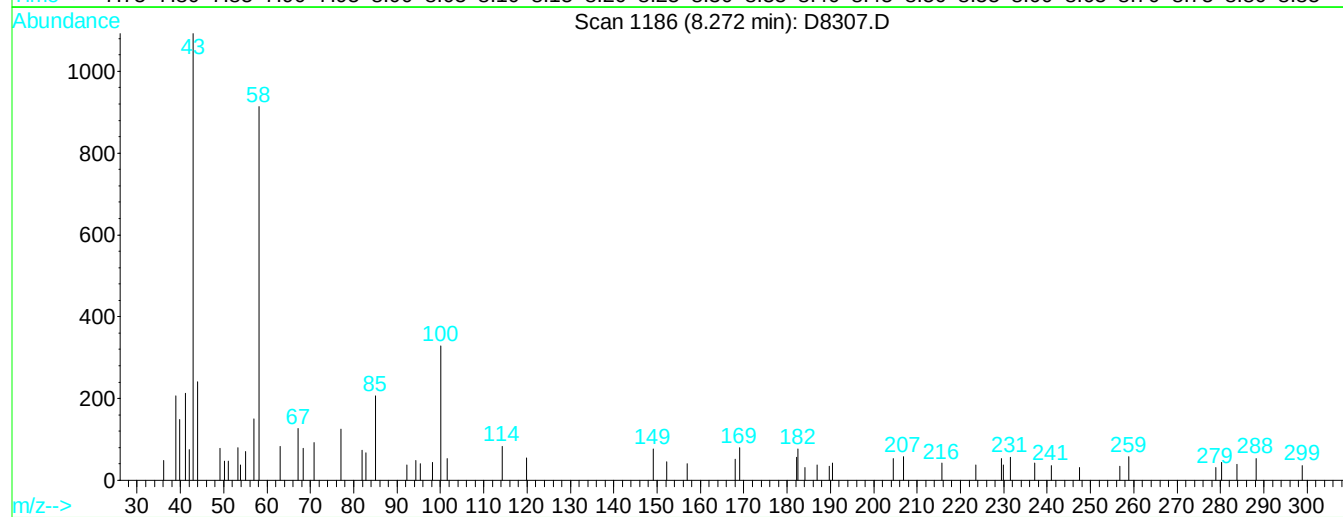
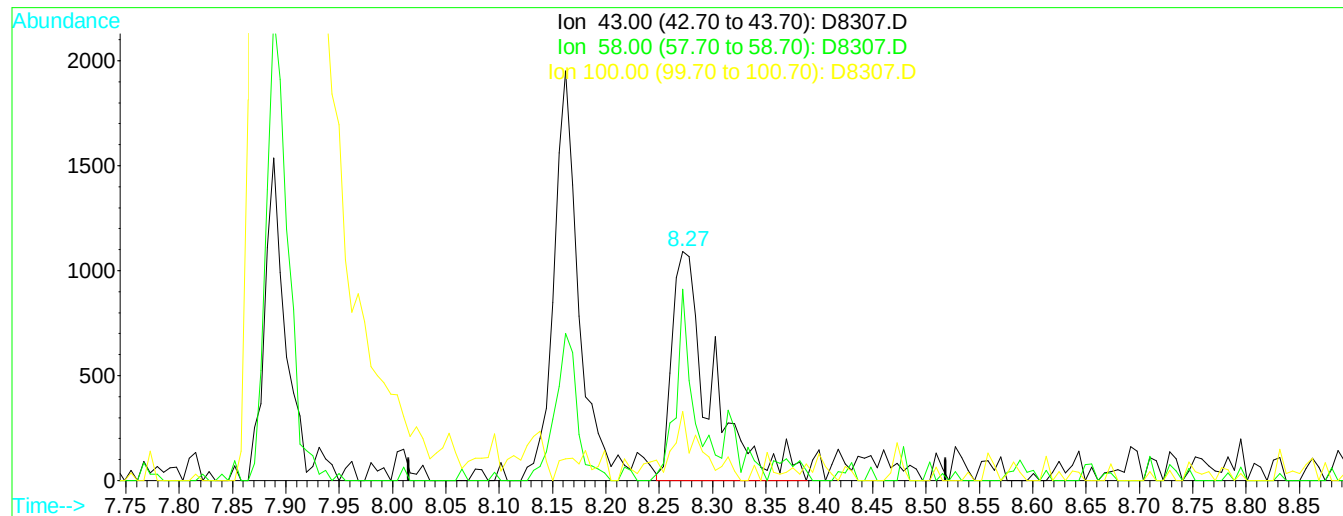
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8307.D

(71) 2-Hexanone (P)

Manual Integration:

8.27min 2.39ug/L m

After

response 2798

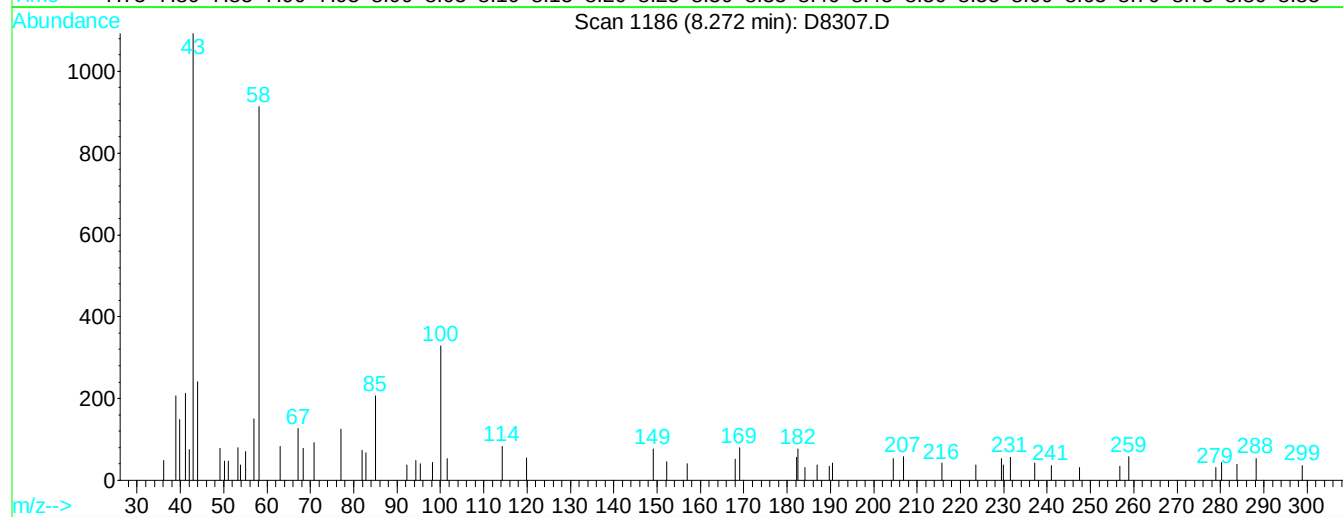
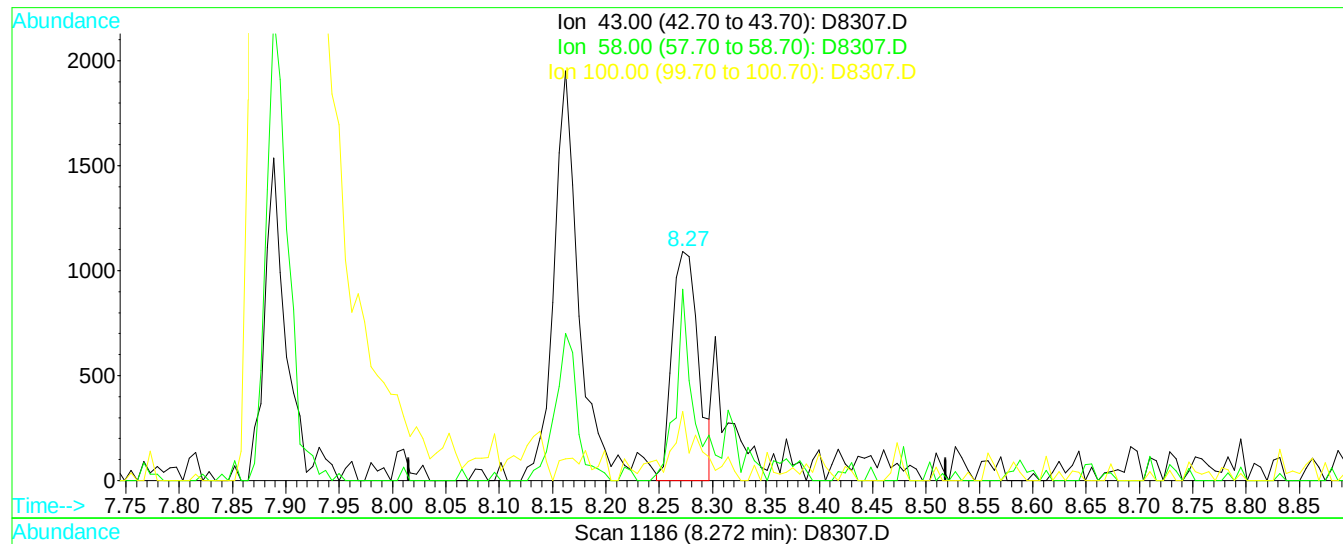
Split Peak.

Ion	Exp%	Act%
43.00	100	100
58.00	51.20	38.53
100.00	12.00	14.08
0.00	0.00	0.00

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D Vial: 26
Acq On : 19 Sep 2017 6:27 pm Operator: D.Lipani
Sample : R1708700-008|1.0 Inst : MS#6
Misc : Verina 8260C 7979 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:05 2017 Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Single Level Calibration



TIC: D8307.D

(71) 2-Hexanone (P)

Manual Integration:

8.27min 1.59ug/L

Before

response 1857

Ion	Exp%	Act%
43.00	100	100
58.00	51.20	58.05
100.00	12.00	21.22
0.00	0.00	0.00

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D

Vial: 26

Acq On : 19 Sep 2017 6:27 pm

Operator: D.Lipani

Sample : R1708700-008|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:06 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	248818	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	351252	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	173484	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	191480	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	127291	50.53	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.06%
43) surr1,1,2-dichloroethane-d	4.48	65	127756	46.82	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	93.64%
65) SURR3,Toluene-d8	7.89	98	396849	55.80	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	111.60%
86) SURR2,BFB	10.25	95	162349	49.96	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	99.92%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.51	64	129503	87.01	ug/L	96
9) Freon 123a	1.73	67	4962	2.23	ug/L	98
13) 2-Propanol	1.85	45	397m	4.26	ug/L	
14) Acetone	1.86	43	31606	67.85	ug/L	90 NT
18) TBA	2.14	59	938	5.88	ug/L	93
24) Carbon Disulfide	2.31	76	2165	0.41	ug/L	91
27) 1,1-Dicethane	2.89	63	38793	14.00	ug/L	98
31) 2-Butanone	3.38	43	5648m	9.04	ug/L	
33) cis-1,2-Dichloroethene	3.47	96	789m	0.40	ug/L	
39) 1,1,1-Trichloroethane	4.73	97	7048	2.19	ug/L	81
49) Benzene	5.39	78	3054	0.44	ug/L	86
54) Trichloroethene	6.33	130	1381	0.61	ug/L	87
71) 2-Hexanone	8.27	43	2798m	2.39	ug/L	

Quantitation Report

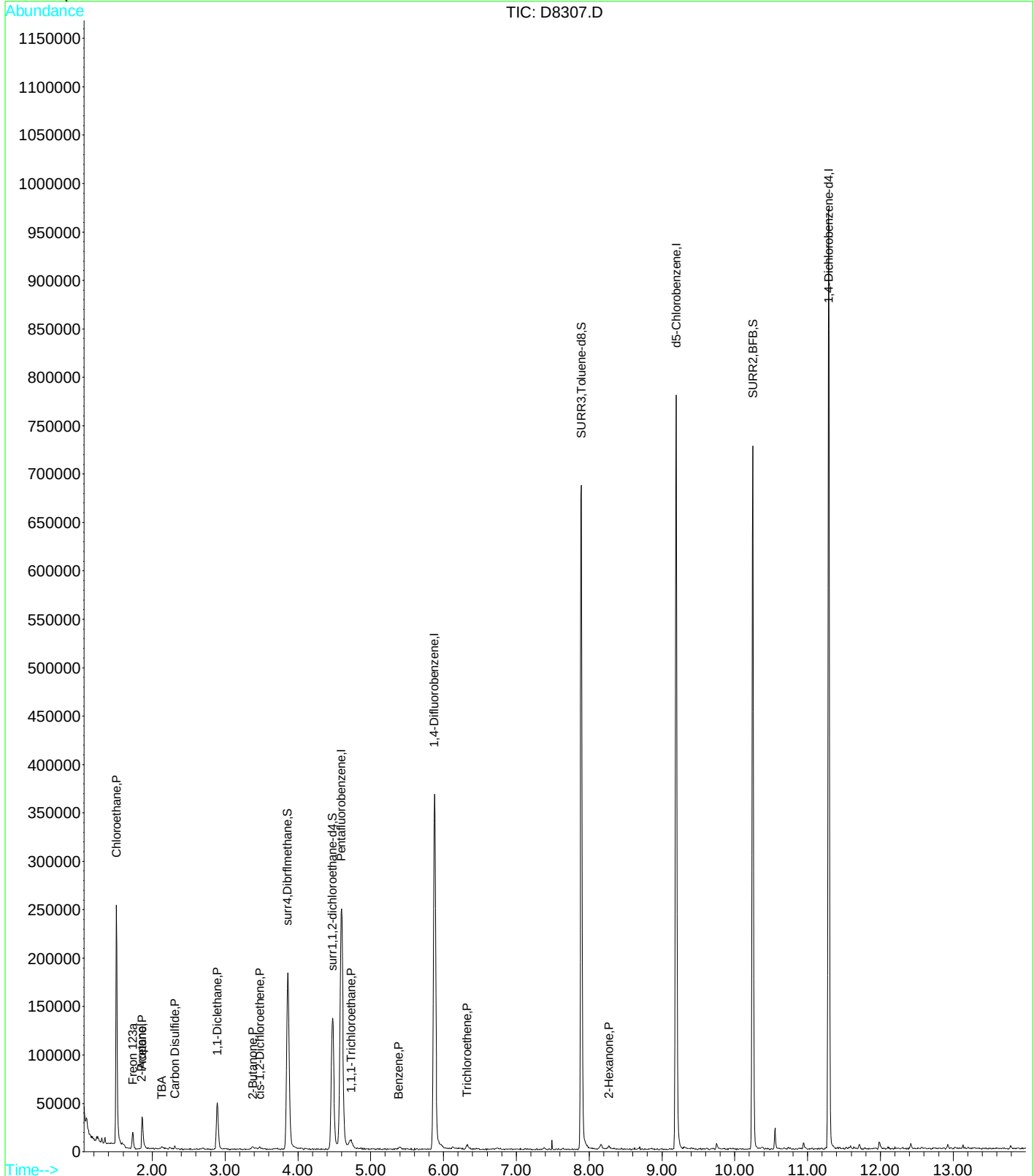
1st *DL* 09/21/17
2nd *FJ* 09/22/17

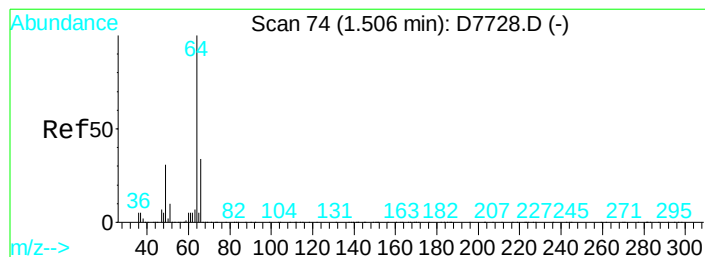
Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8307.D
Acq On : 19 Sep 2017 6:27 pm
Sample : R1708700-008|1.0
Misc : Verina 8260C 7979 T4
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:06 2017

Vial: 26
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

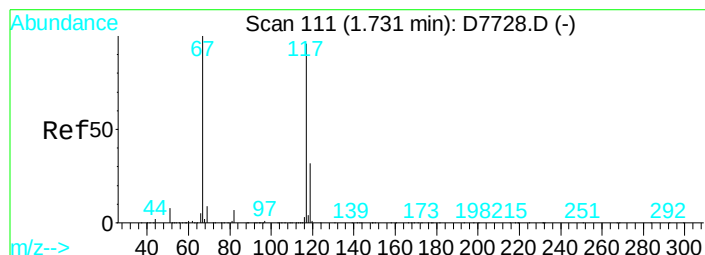
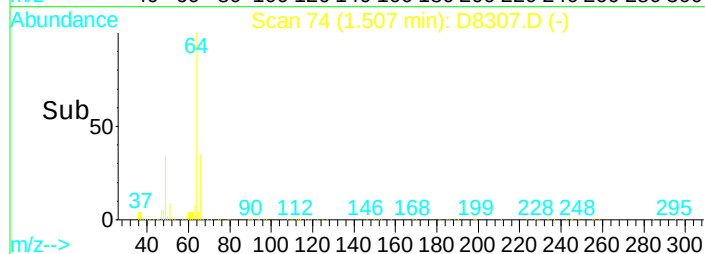
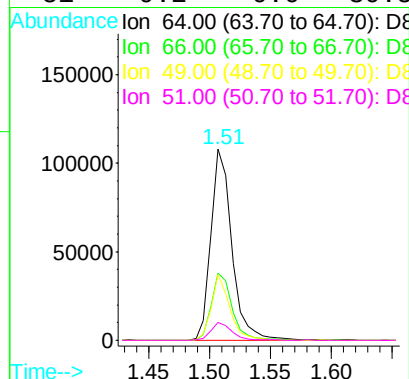
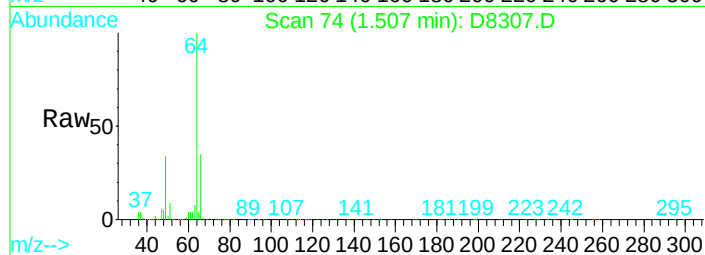
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





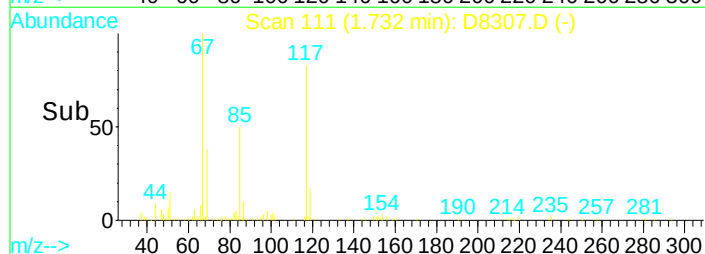
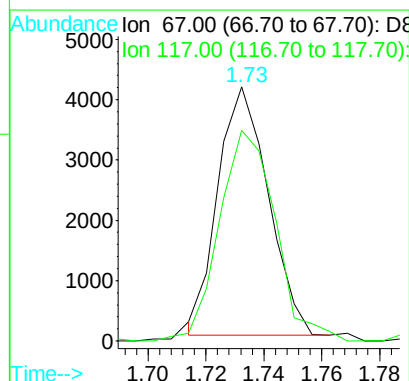
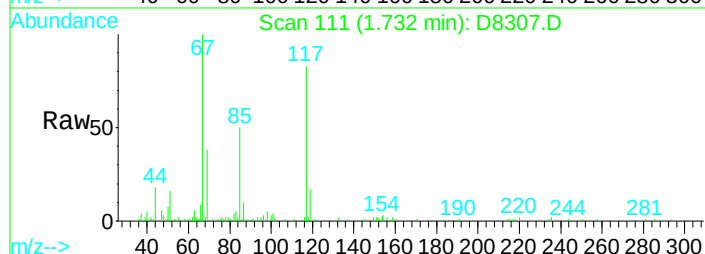
#6
 Chloroethane
 Concen: 87.01 ug/L
 RT: 1.51 min Scan# 74
 Delta R.T. 0.00 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

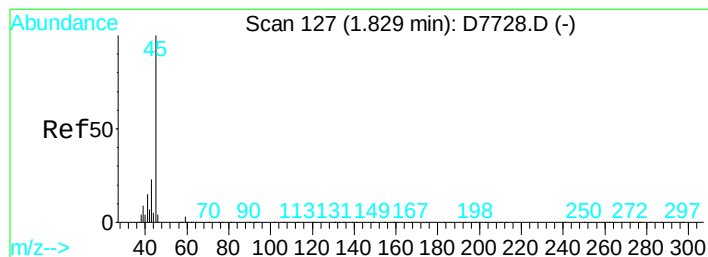
Tgt Ion:	64	Resp:	129503
Ion Ratio		Lower	Upper
64	100		
66	35.2	14.3	54.3
49	34.4	10.7	50.7
51	9.2	0.0	30.5



#9
 Freon 123a
 Concen: 2.23 ug/L
 RT: 1.73 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

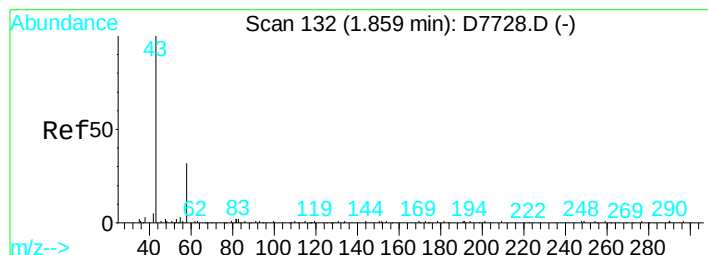
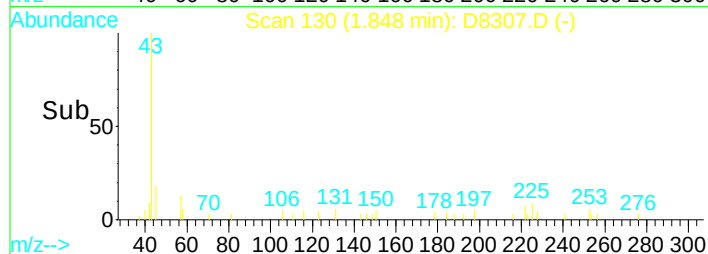
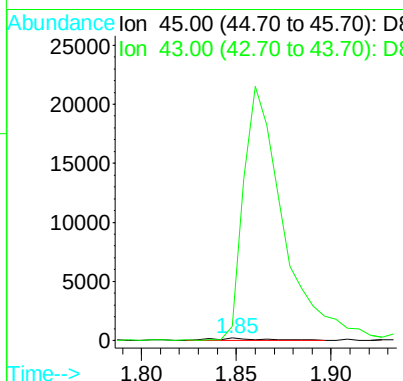
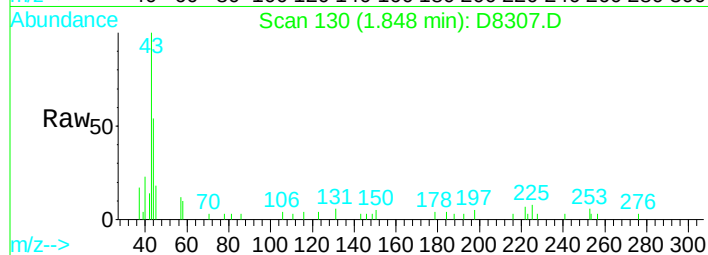
Tgt Ion:	67	Resp:	4962
Ion Ratio		Lower	Upper
67	100		
117	82.8	61.0	101.0





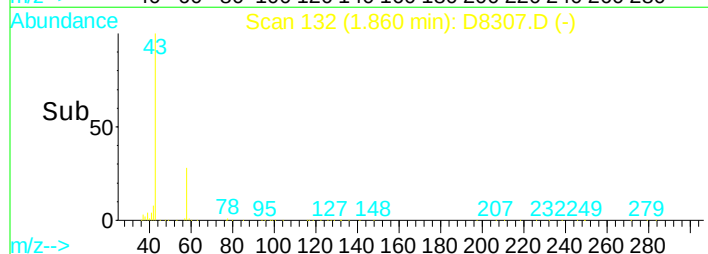
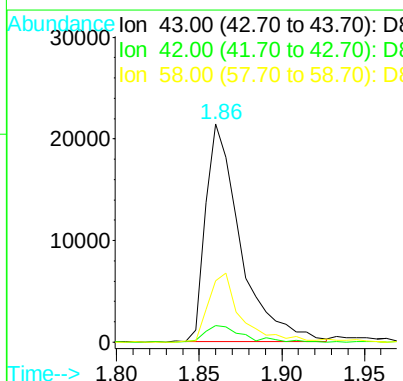
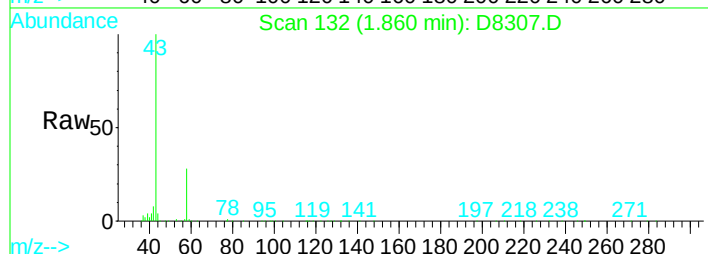
#13
 2-Propanol
 Concen: 4.26 ug/L m
 RT: 1.85 min Scan# 130
 Delta R.T. 0.02 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

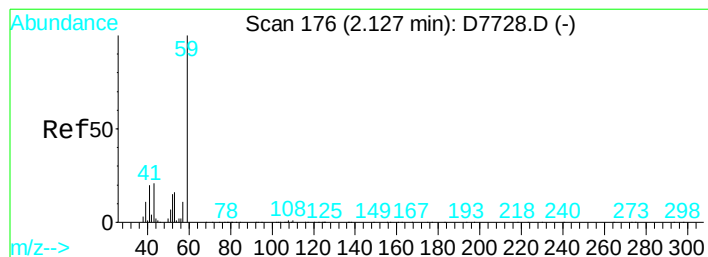
Tgt Ion: 45 Resp: 397
 Ion Ratio Lower Upper
 45 100
 43 570.6 3.5 43.5#



#14
 Acetone
 Concen: 67.85 ug/L
 RT: 1.86 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

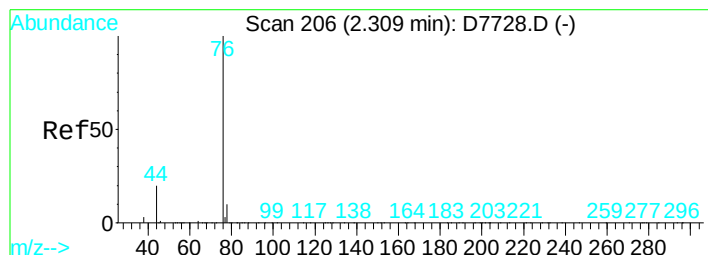
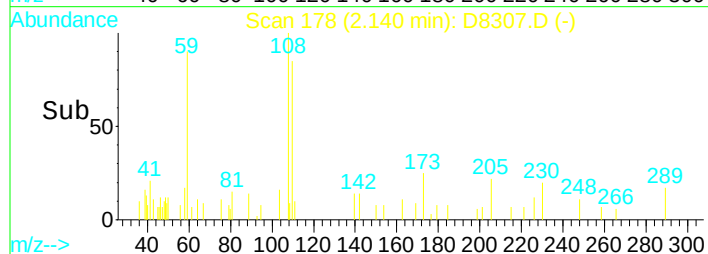
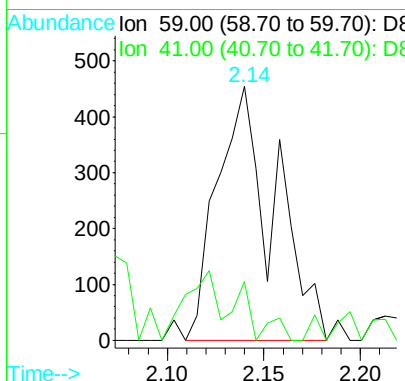
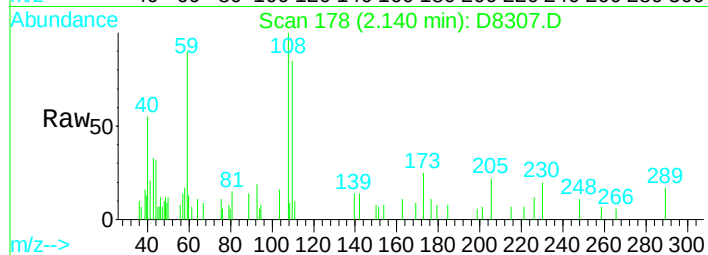
Tgt Ion: 43 Resp: 31606
 Ion Ratio Lower Upper
 43 100
 42 7.6 0.0 31.4
 58 28.0 3.1 43.1





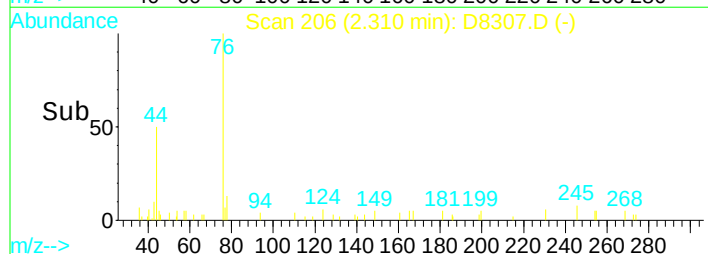
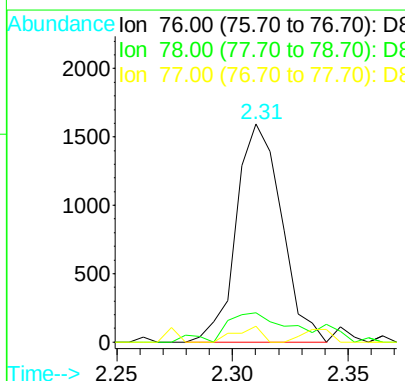
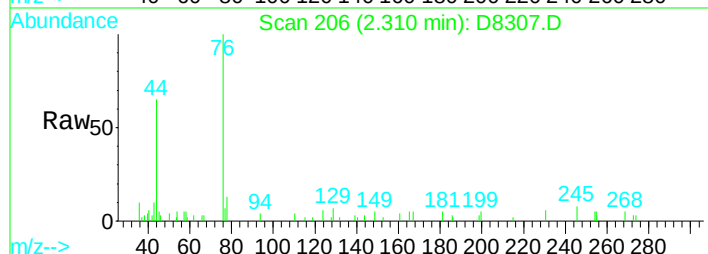
#18
 TBA
 Concen: 5.88 ug/L
 RT: 2.14 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

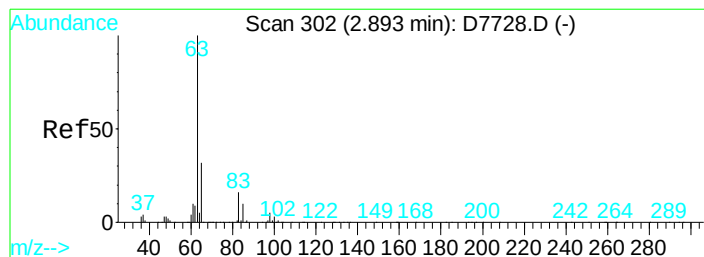
Tgt Ion: 59 Resp: 938
 Ion Ratio Lower Upper
 59 100
 41 23.1 0.0 39.9



#24
 Carbon Disulfide
 Concen: 0.41 ug/L
 RT: 2.31 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

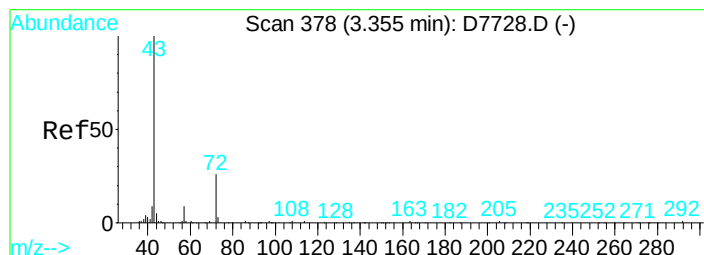
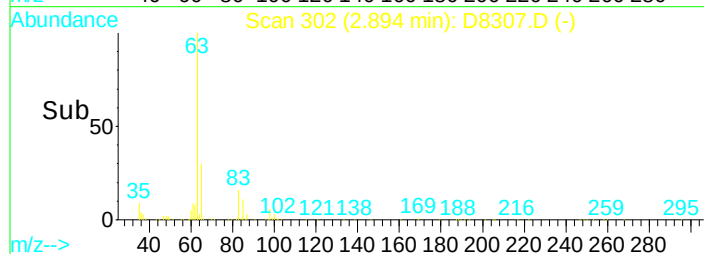
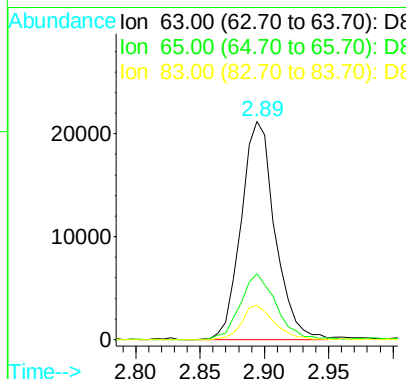
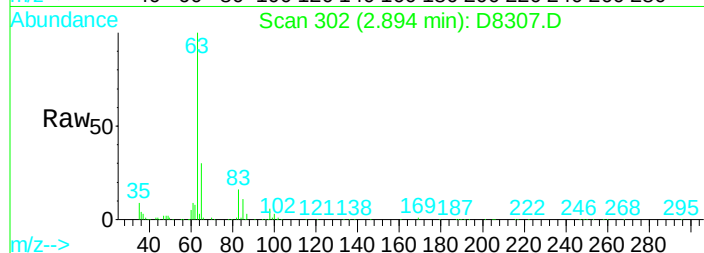
Tgt Ion: 76 Resp: 2165
 Ion Ratio Lower Upper
 76 100
 78 13.4 0.0 30.5
 77 7.4 0.0 23.3





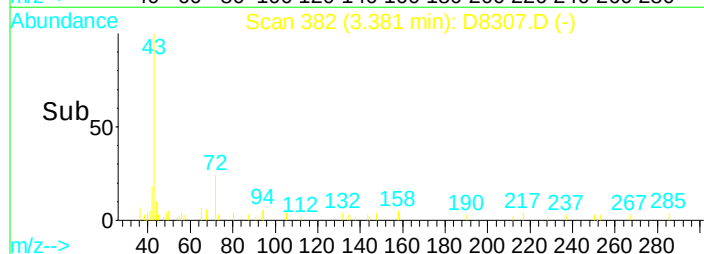
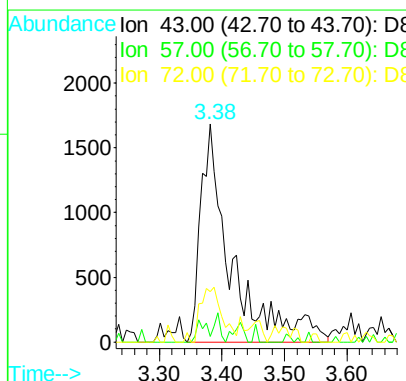
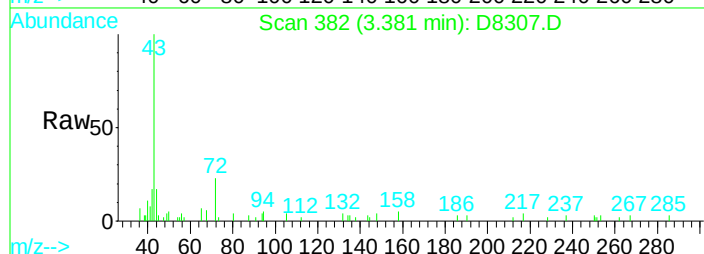
#27
 1,1-Dicethane
 Concen: 14.00 ug/L
 RT: 2.89 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

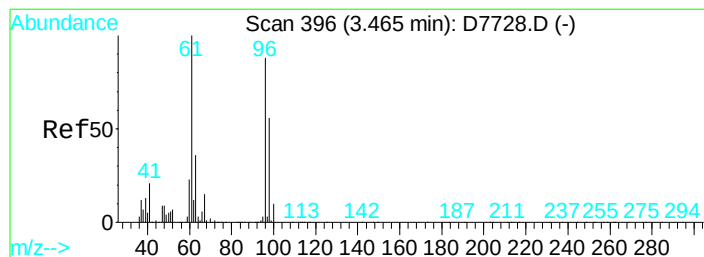
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.9	51.9
83	15.7	0.0	36.0



#31
 2-Butanone
 Concen: 9.04 ug/L m
 RT: 3.38 min Scan# 382
 Delta R.T. 0.03 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

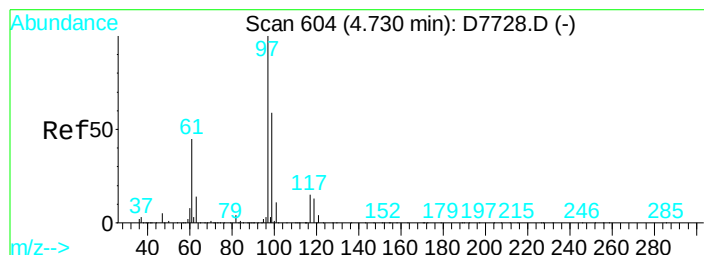
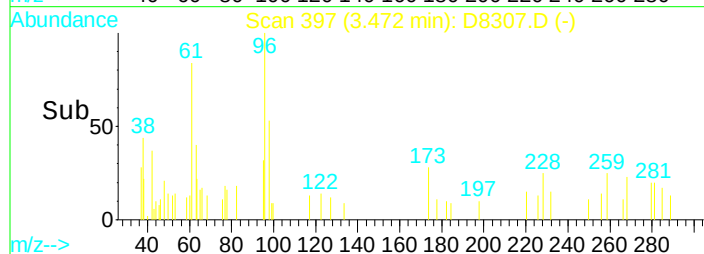
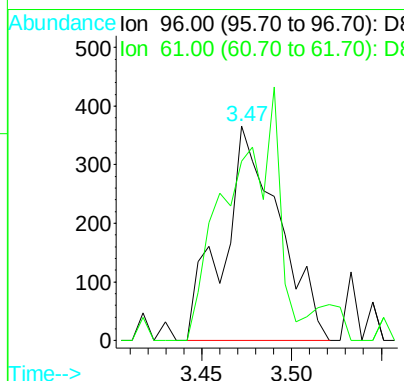
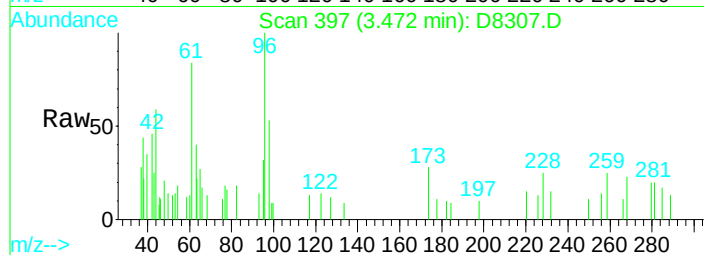
Tgt Ion	Ratio	Lower	Upper
43	100		
57	2.5	0.0	29.4
72	23.2	5.6	45.6





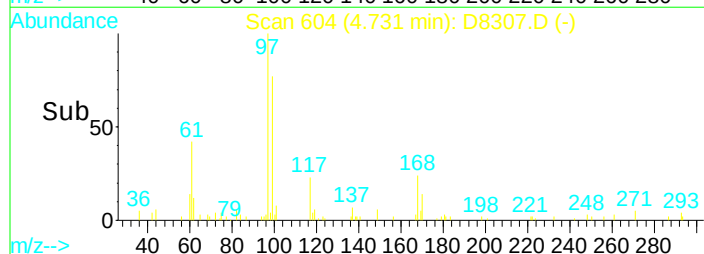
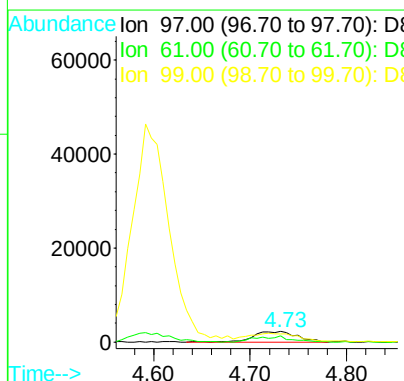
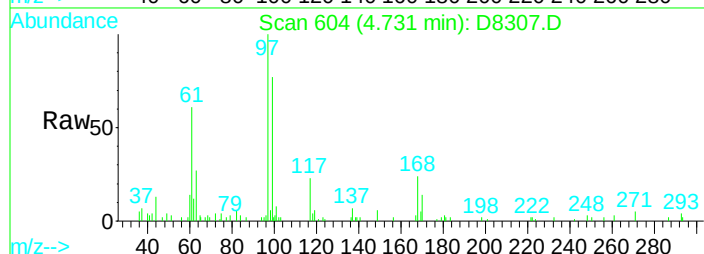
#33
 cis-1,2-Dichloroethene
 Concen: 0.40 ug/L m
 RT: 3.47 min Scan# 397
 Delta R.T. 0.01 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

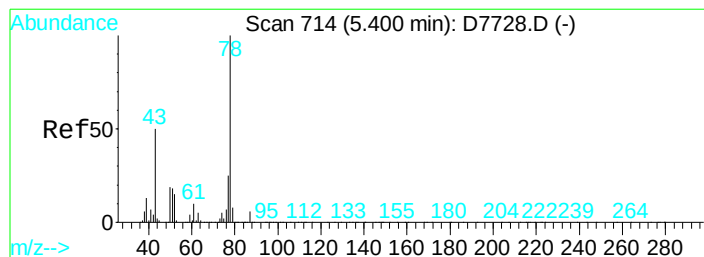
Tgt Ion: 96 Resp: 789
 Ion Ratio Lower Upper
 96 100
 61 83.6 93.6 133.6#



#39
 1,1,1-Trichloroethane
 Concen: 2.19 ug/L
 RT: 4.73 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

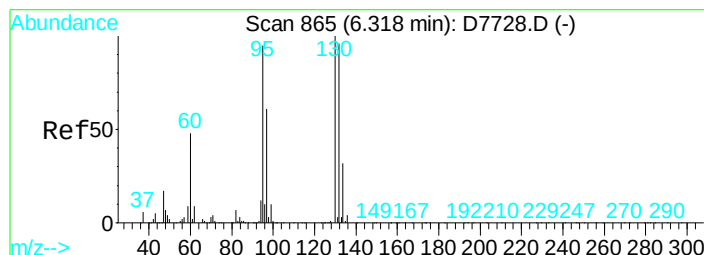
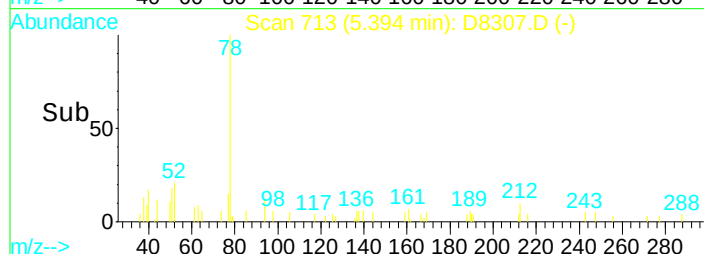
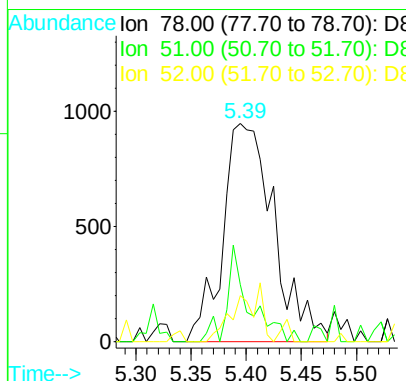
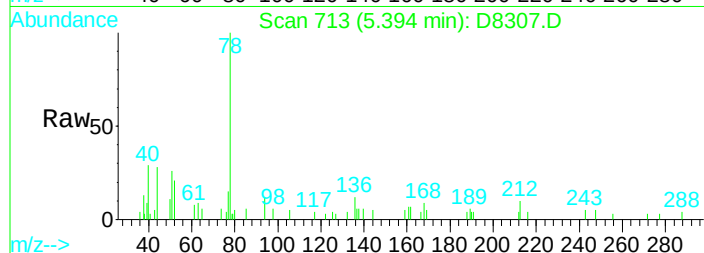
Tgt Ion: 97 Resp: 7048
 Ion Ratio Lower Upper
 97 100
 61 61.1 26.0 66.0
 99 77.1 44.3 84.3





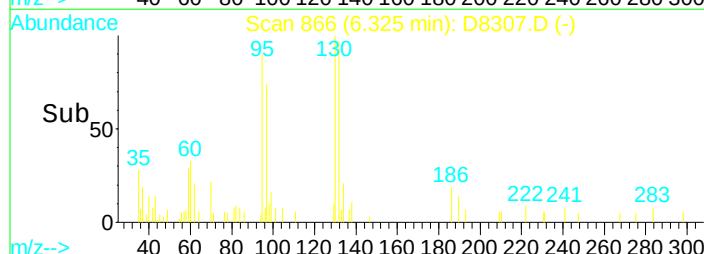
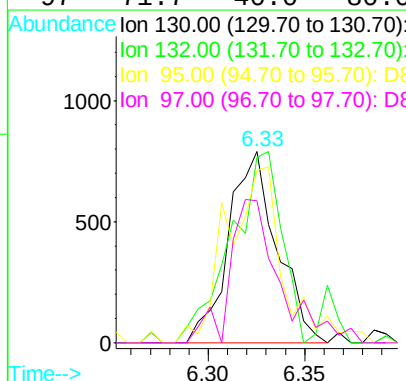
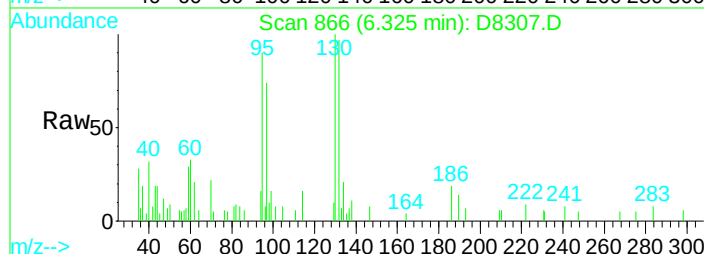
#49
Benzene
Concen: 0.44 ug/L
RT: 5.39 min Scan# 713
Delta R.T. -0.01 min
Lab File: D8307.D
Acq: 19 Sep 2017 6:27 pm

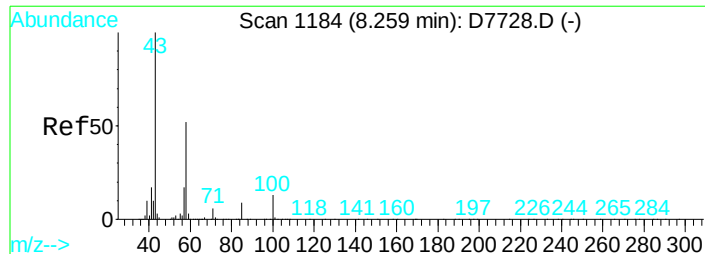
Tgt Ion	Ratio	Lower	Upper
78	100		
51	25.1	0.0	37.8
52	20.5	0.0	35.4



#54
Trichloroethene
Concen: 0.61 ug/L
RT: 6.33 min Scan# 866
Delta R.T. 0.01 min
Lab File: D8307.D
Acq: 19 Sep 2017 6:27 pm

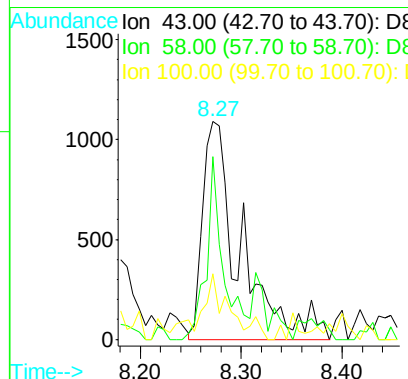
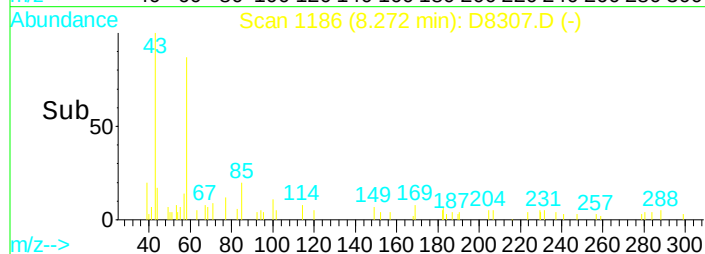
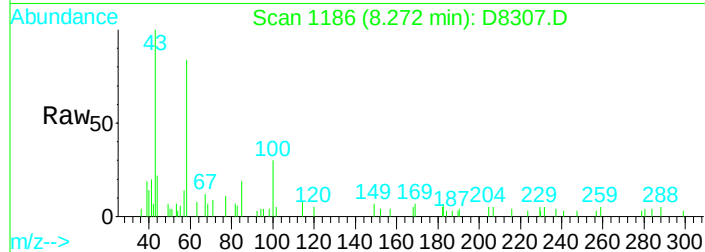
Tgt Ion	Ratio	Lower	Upper
130	100		
132	104.5	75.8	115.8
95	107.7	72.3	112.3
97	71.7	40.0	80.0





#71
 2-Hexanone
 Concen: 2.39 ug/L m
 RT: 8.27 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: D8307.D
 Acq: 19 Sep 2017 6:27 pm

Tgt Ion: 43 Resp: 2798
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.2 71.2
 100 14.1 0.0 32.0



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8308.D

Vial: 27

Acq On : 19 Sep 2017 6:53 pm

Operator: D.Lipani

Sample : R1708700-009|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:33 2017

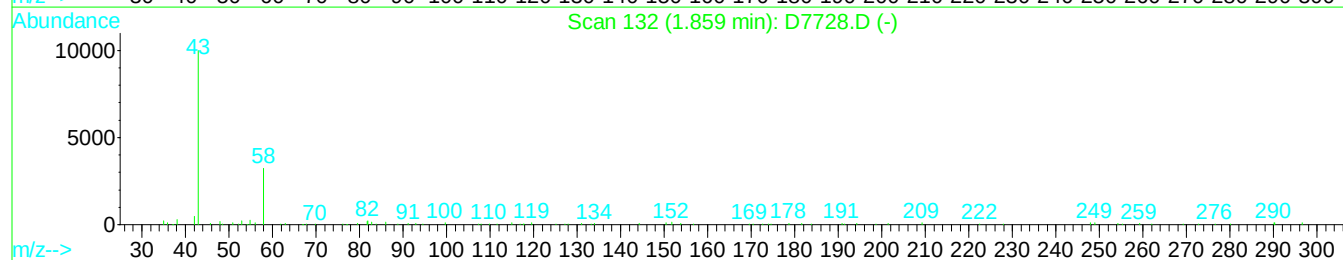
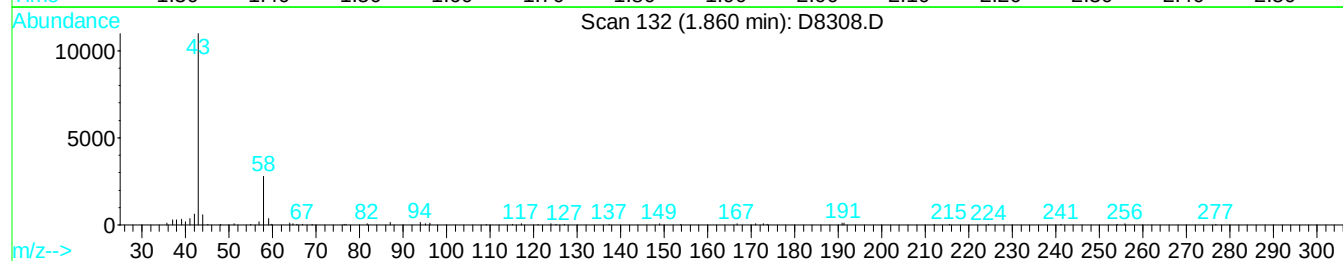
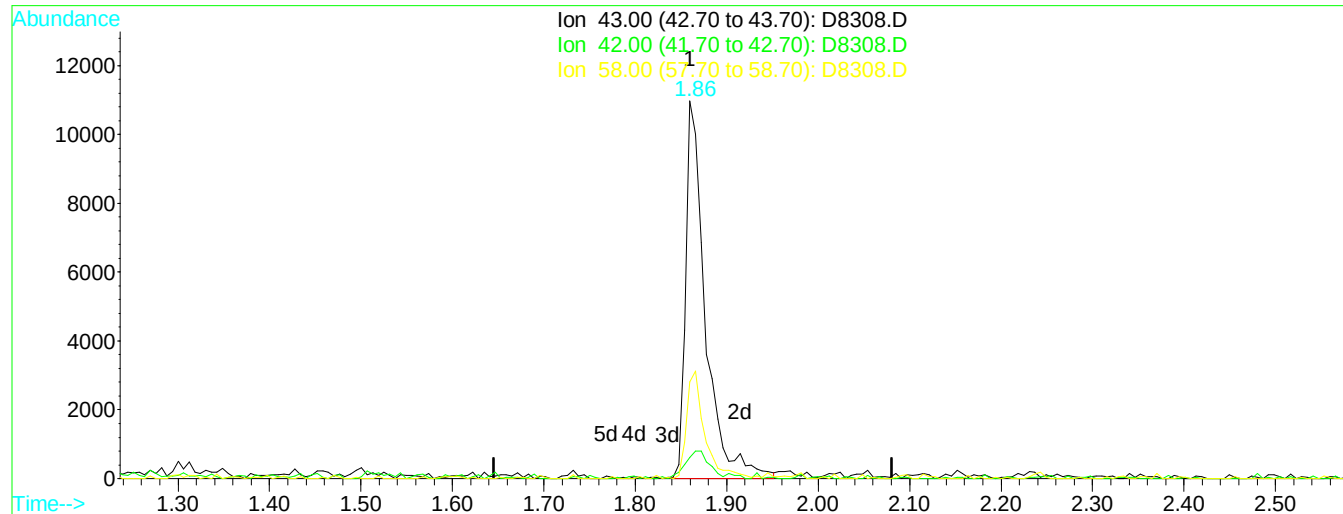
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8308.D

(14) Acetone (P)

1.86min 34.53ug/L m

response 16462

Ion	Exp%	Act%
43.00	100	100
42.00	11.40	5.64
58.00	23.10	25.54
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8308.D

Vial: 27

Acq On : 19 Sep 2017 6:53 pm

Operator: D.Lipani

Sample : R1708700-009|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:32 2017

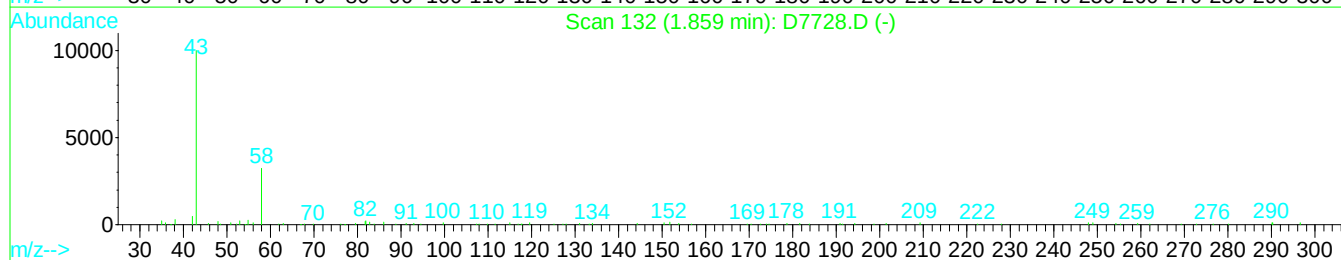
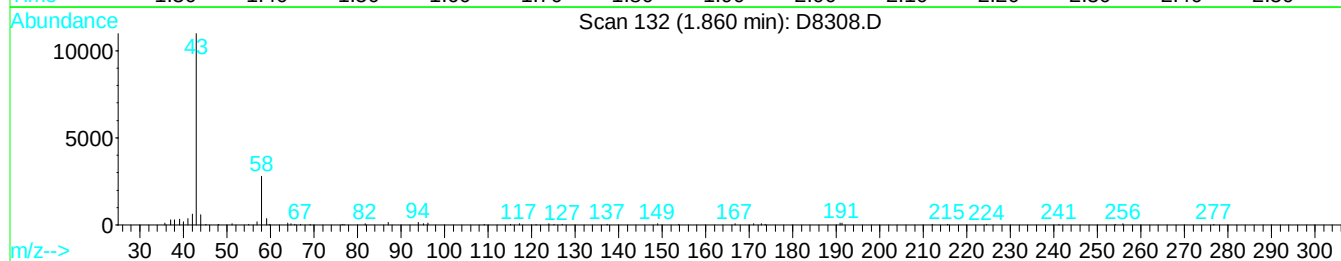
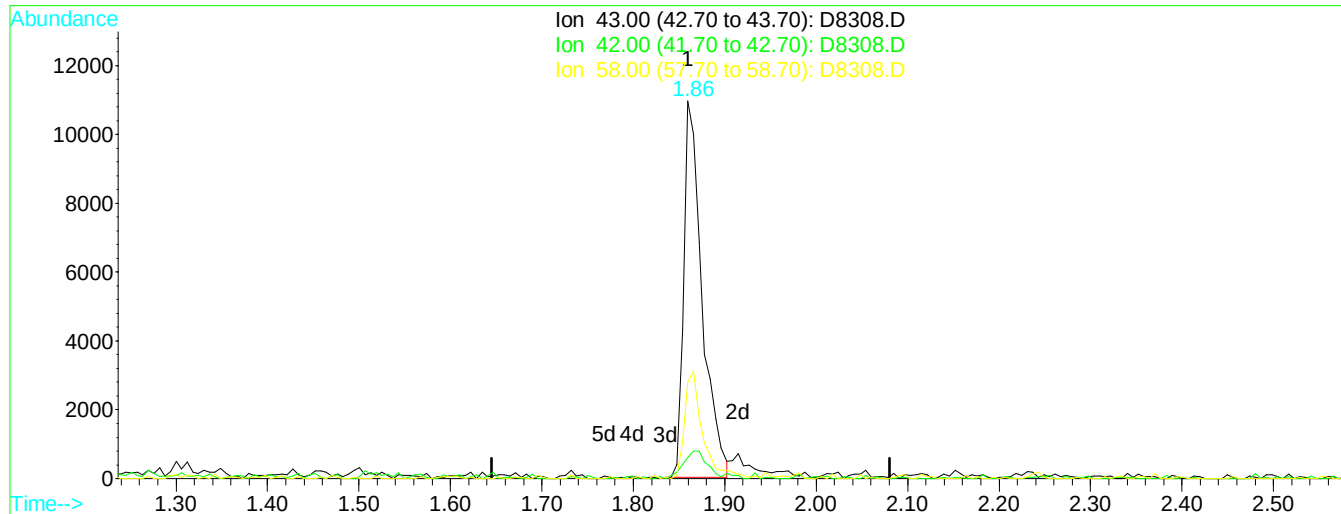
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8308.D

(14) Acetone (P)

Manual Integration:

1.86min 31.99ug/L

Before

response 15251

09/21/17

Ion	Exp%	Act%
43.00	100	100
42.00	11.40	5.64
58.00	23.10	25.54
0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8308.D

Vial: 27

Acq On : 19 Sep 2017 6:53 pm

Operator: D.Lipani

Sample : R1708700-009|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:32 2017

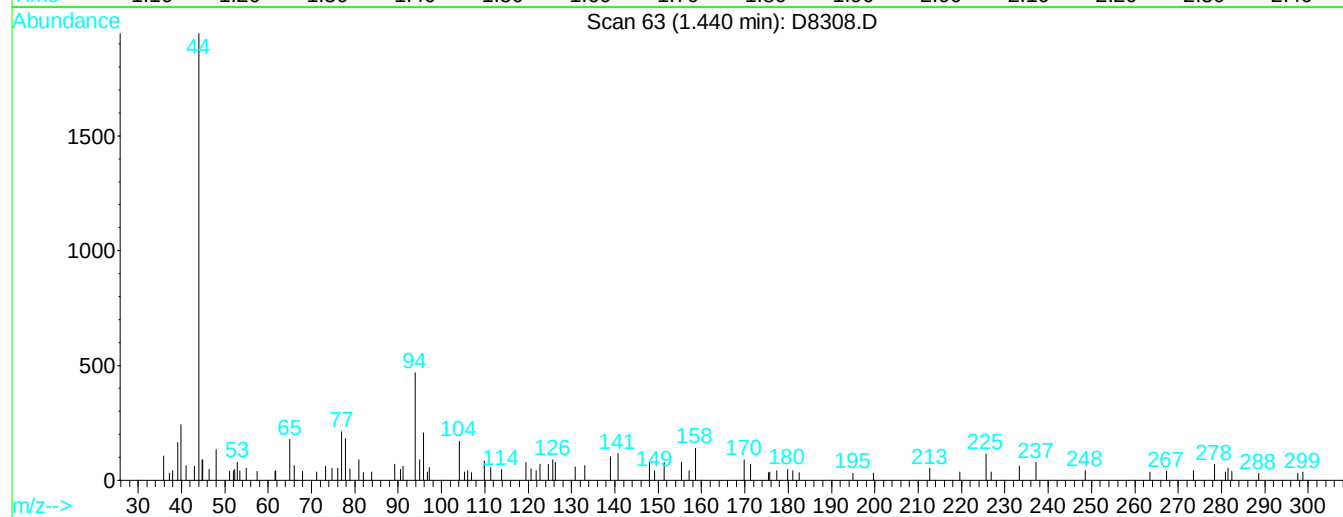
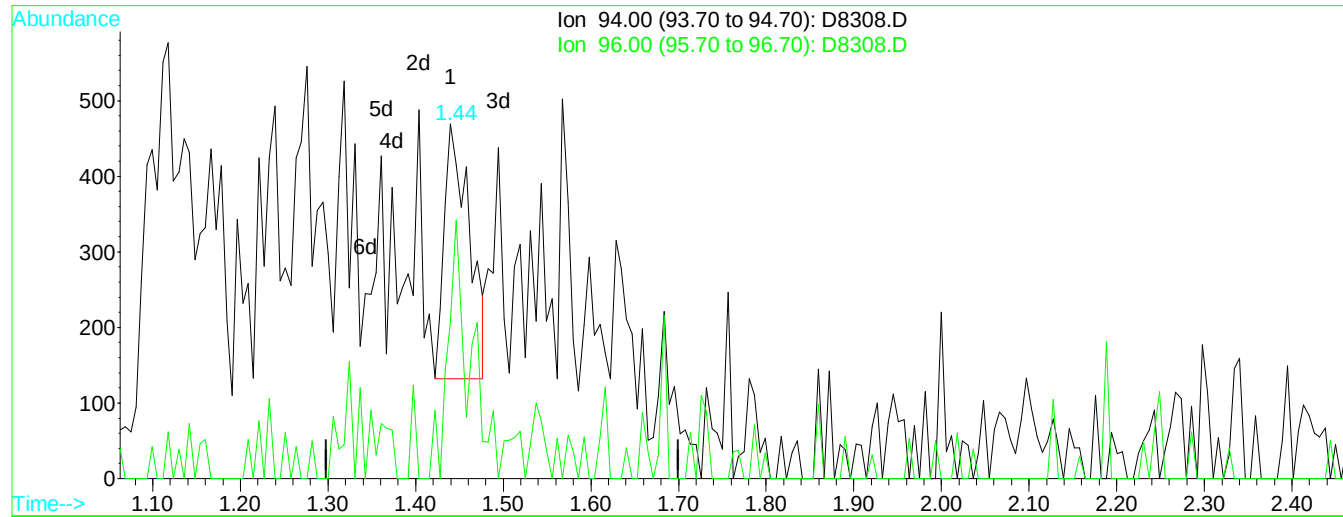
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8308.D

(5) Bromomethane (P)

Manual Integration:

1.44min 0.36ug/L m

After

response 674

Poor integration.

Ion	Exp%	Act%
94.00	100	100
96.00	93.70	44.14#
0.00	0.00	0.00
0.00	0.00	0.00

09/21/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8308.D

Vial: 27

Acq On : 19 Sep 2017 6:53 pm

Operator: D.Lipani

Sample : R1708700-009|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 19:09 2017

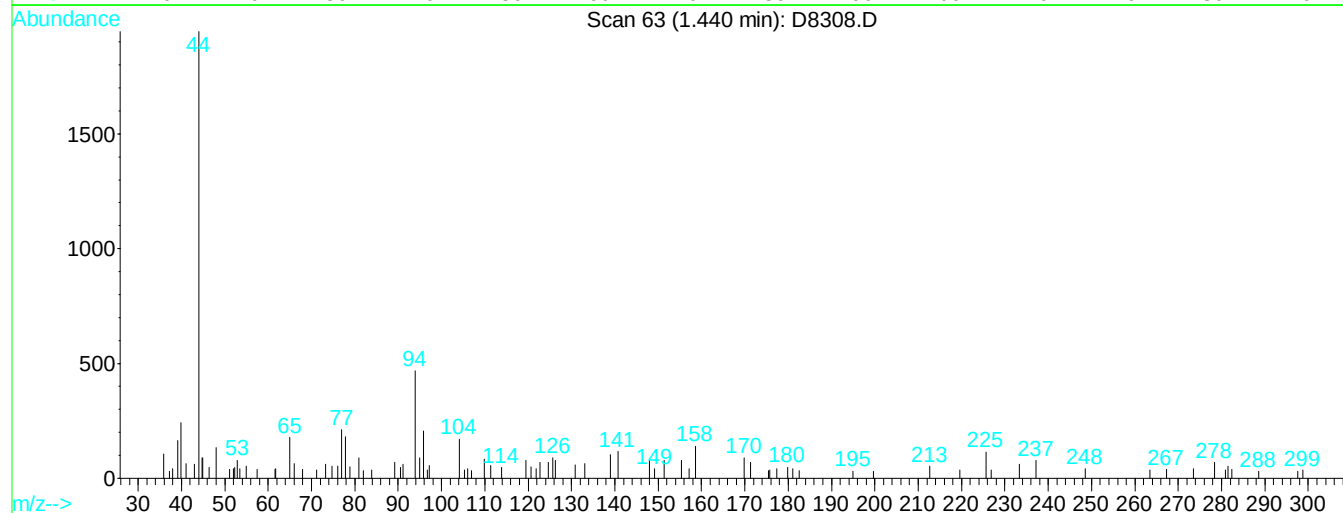
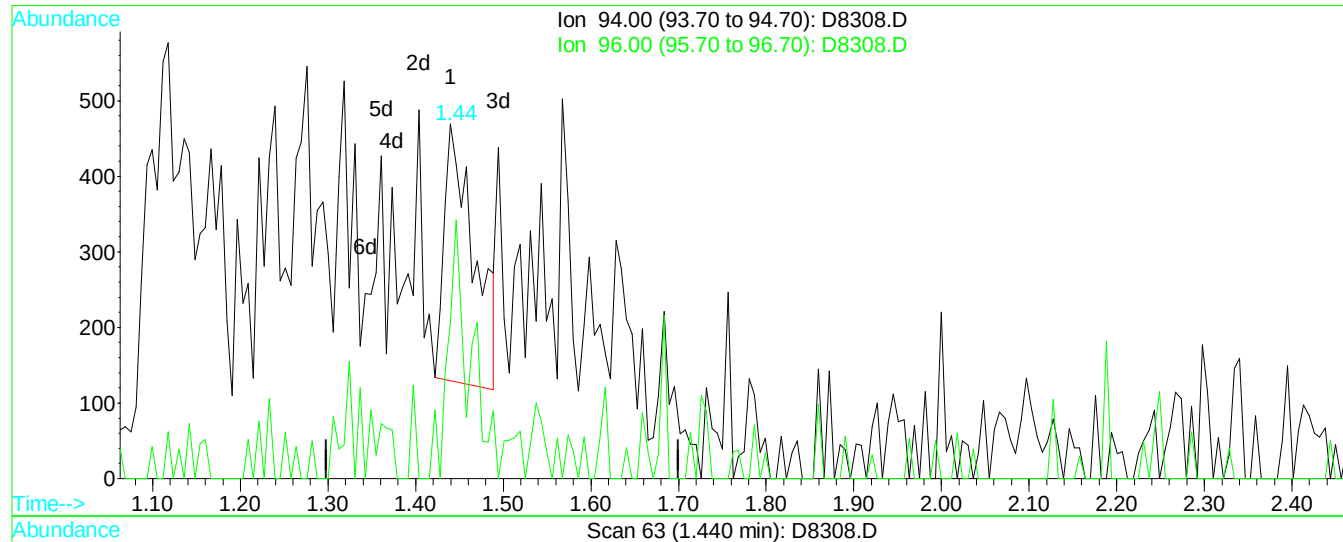
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8308.D

(5) Bromomethane (P)

Manual Integration:

1.44min 0.43ug/L

Before

response 802

Ion	Exp%	Act%

09/21/17

94.00	100	100

96.00	93.70	44.14#

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8308.D

Vial: 27

Acq On : 19 Sep 2017 6:53 pm

Operator: D.Lipani

Sample : R1708700-009|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:35 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	254704	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	354838	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	176044	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	174321	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	125866	49.46	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	98.92%
43) surr1,1,2-dichloroethane-d	4.47	65	133496	48.43	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	96.86%
65) SURR3,Toluene-d8	7.89	98	398687	55.49	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	110.98%
86) SURR2,BFB	10.25	95	163060	49.45	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	98.90%

Target Compounds

						Qvalue
5) Bromomethane	1.44	94	674m	0.36	ug/L	
9) Freon 123a	1.73	67	12323	5.40	ug/L	92
14) Acetone	1.86	43	16462m	34.53	ug/L	NT
18) TBA	2.14	59	497	3.04	ug/L	86
21) Freon 113	2.24	101	13847	6.91	ug/L	88
27) 1,1-Dicethane	2.90	63	15561	5.49	ug/L	95
31) 2-Butanone	3.40	43	2107	3.29	ug/L	93
35) Chloroform	3.72	83	1840	0.54	ug/L	83
39) 1,1,1-Trichloroethane	4.72	97	12068	3.65	ug/L	90
49) Benzene	5.41	78	1547	0.22	ug/L	78

(#) = qualifier out of range (m) = manual integration

D8308.D W082417.M Thu Sep 21 17:35:24 2017

Quantitation Report

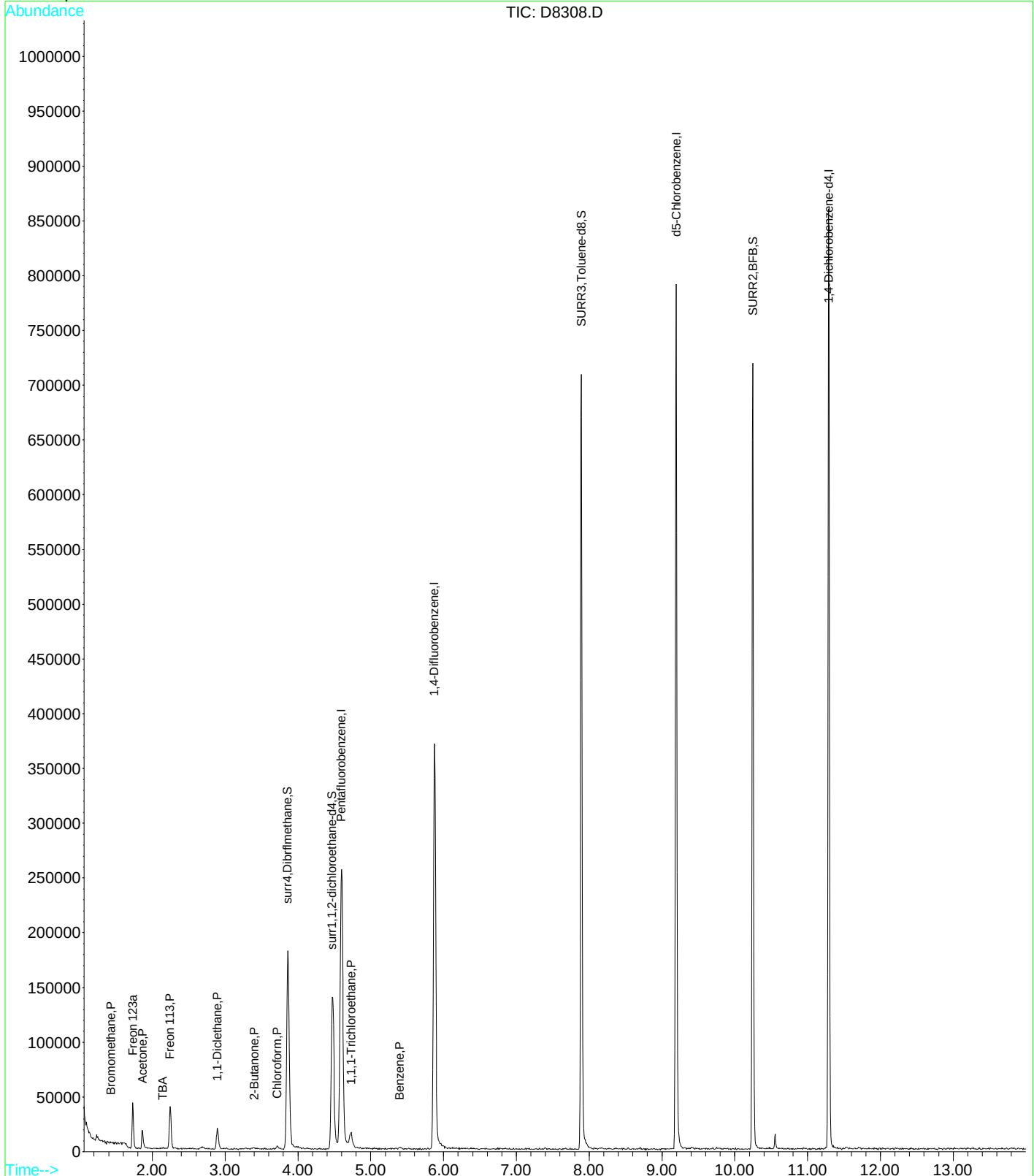
1st *DL* 09/21/17
2nd *FJ* 09/22/17

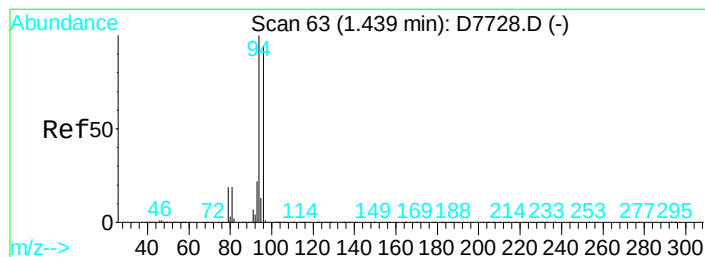
Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8308.D
Acq On : 19 Sep 2017 6:53 pm
Sample : R1708700-009|1.0
Misc : Verina 8260C 7979 T4
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:35 2017

Vial: 27
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

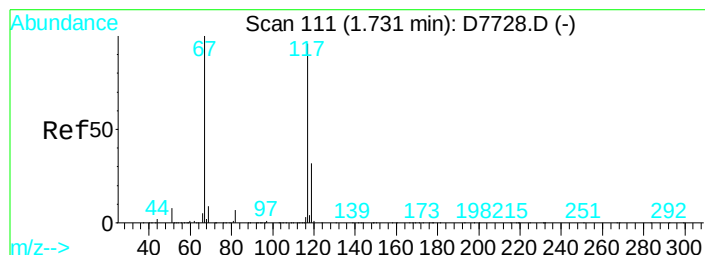
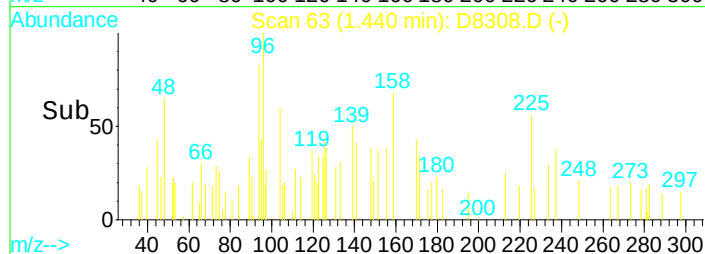
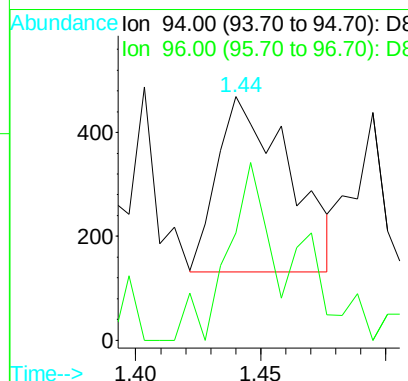
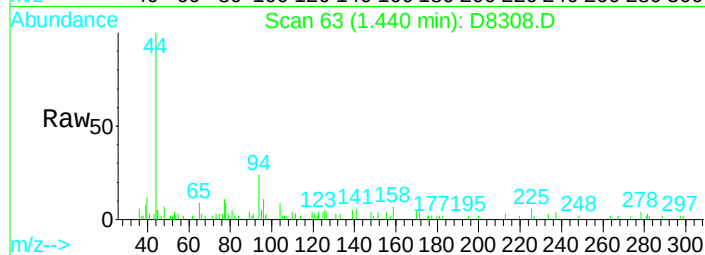
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





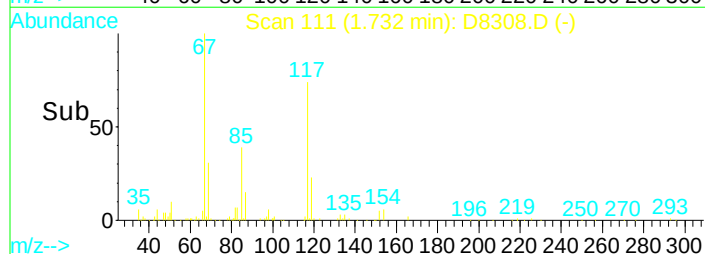
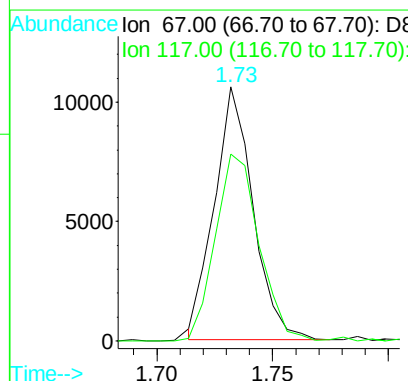
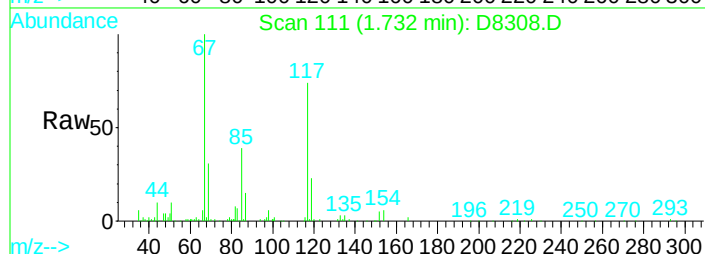
#5
 Bromomethane
 Concen: 0.36 ug/L m
 RT: 1.44 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

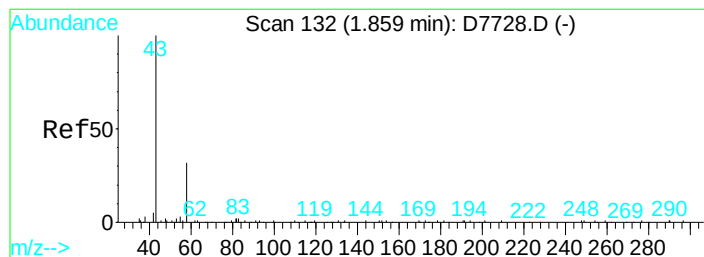
Tgt Ion: 94 Resp: 674
 Ion Ratio Lower Upper
 94 100
 96 44.1 73.7 113.7#



#9
 Freon 123a
 Concen: 5.40 ug/L
 RT: 1.73 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

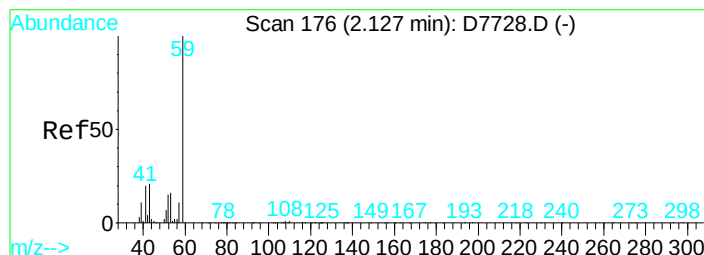
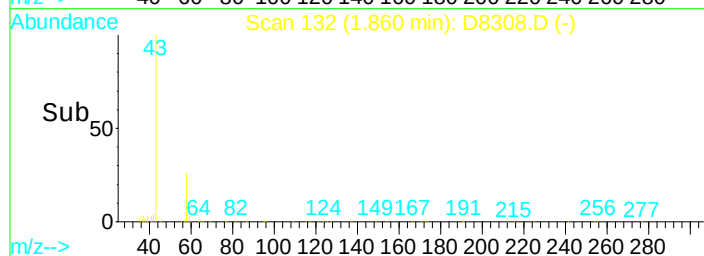
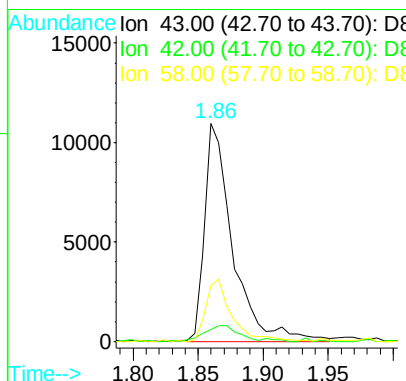
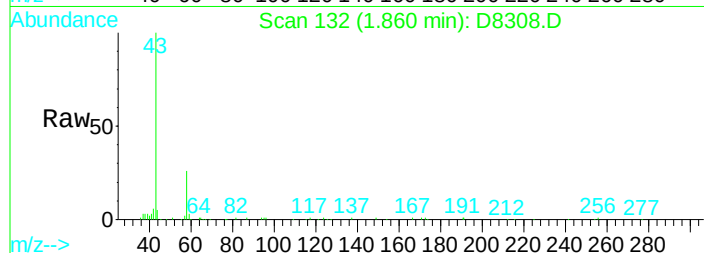
Tgt Ion: 67 Resp: 12323
 Ion Ratio Lower Upper
 67 100
 117 73.5 61.0 101.0





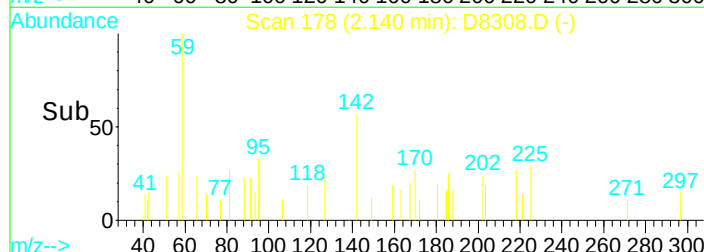
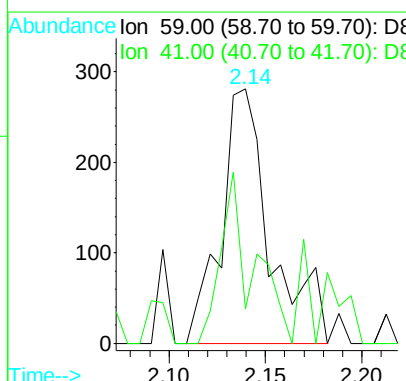
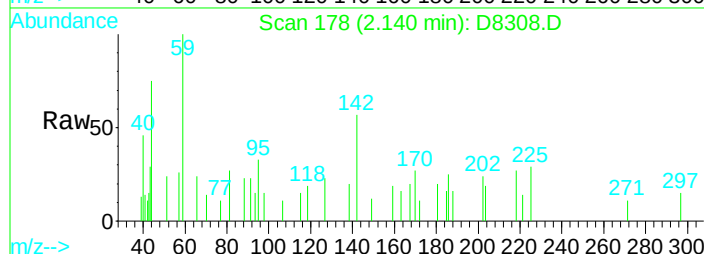
#14
 Acetone
 Concen: 34.53 ug/L m
 RT: 1.86 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

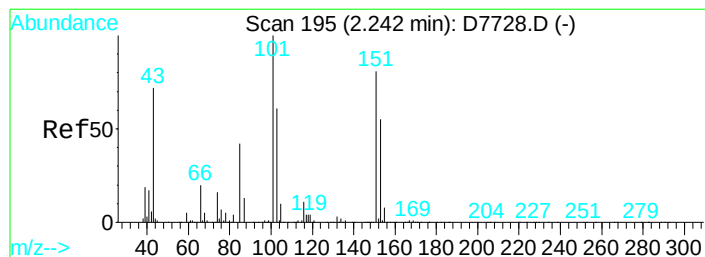
Tgt Ion:	43	Resp:	16462
Ion Ratio	Lower	Upper	
43	100		
42	5.6	0.0	31.4
58	25.5	3.1	43.1



#18
 TBA
 Concen: 3.04 ug/L
 RT: 2.14 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

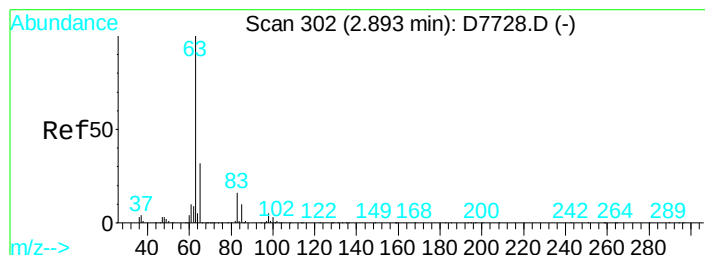
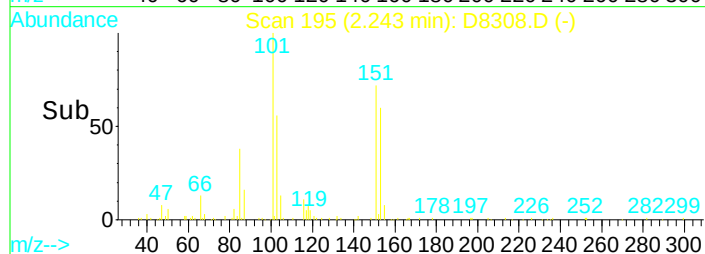
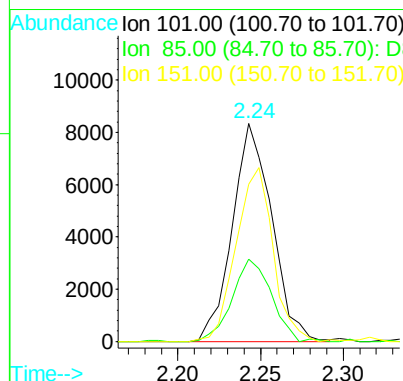
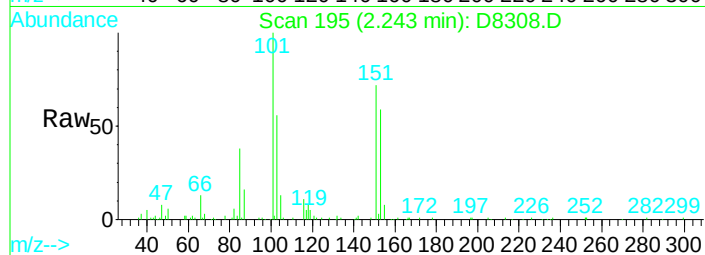
Tgt Ion:	59	Resp:	497
Ion Ratio	Lower	Upper	
59	100		
41	13.5	0.0	39.9





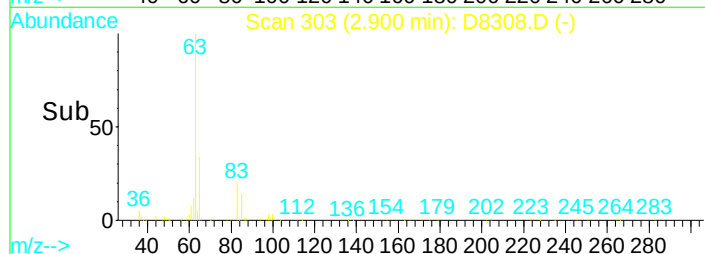
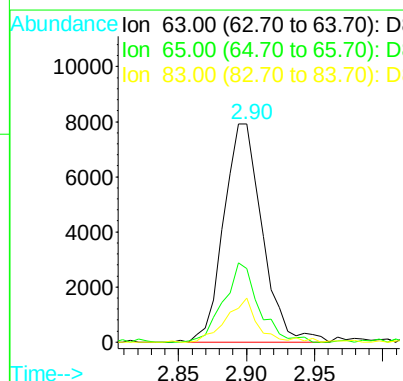
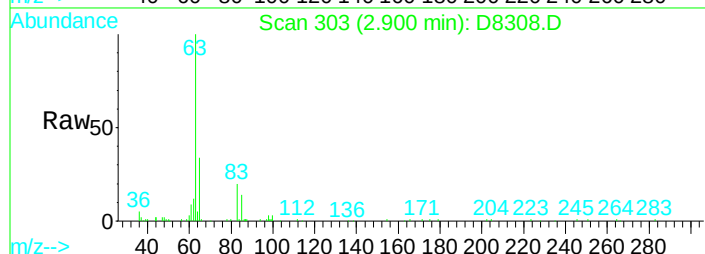
#21
 Freon 113
 Concen: 6.91 ug/L
 RT: 2.24 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

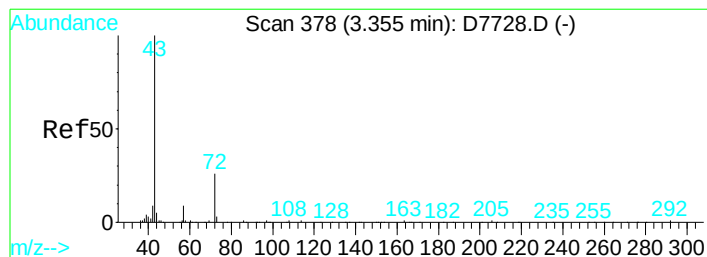
Tgt Ion: 101 Resp: 13847
 Ion Ratio Lower Upper
 101 100
 85 37.2 25.6 65.6
 151 70.9 61.0 101.0



#27
 1,1-Dicethane
 Concen: 5.49 ug/L
 RT: 2.90 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

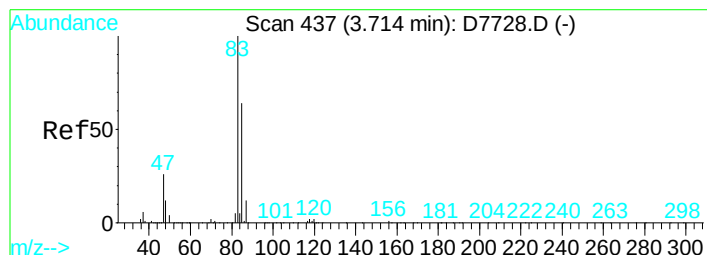
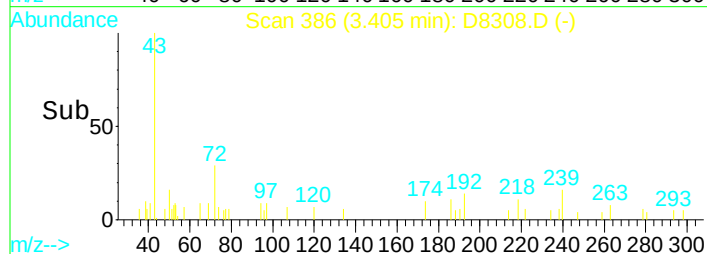
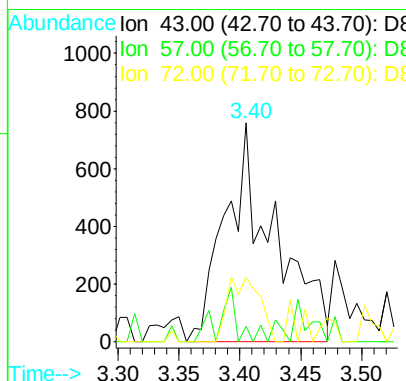
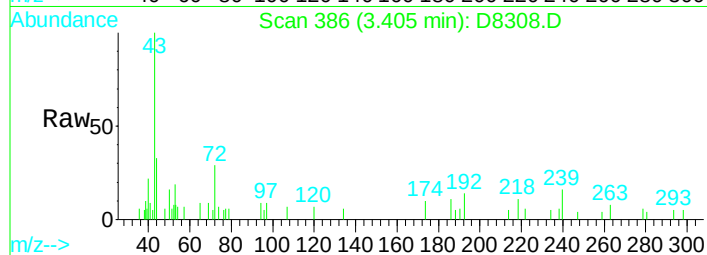
Tgt Ion: 63 Resp: 15561
 Ion Ratio Lower Upper
 63 100
 65 33.7 11.9 51.9
 83 20.2 0.0 36.0





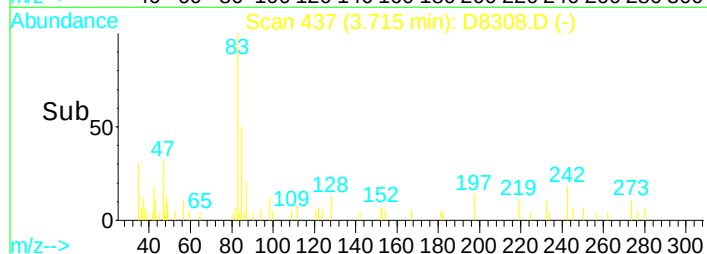
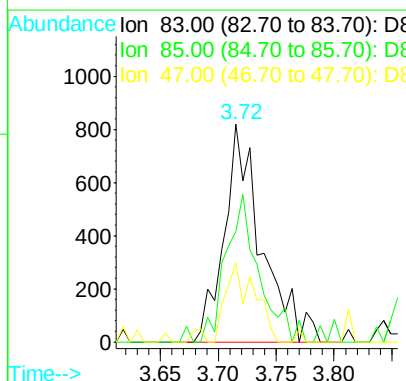
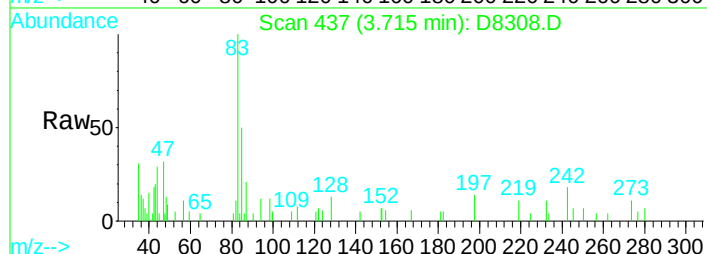
#31
 2-Butanone
 Concen: 3.29 ug/L
 RT: 3.40 min Scan# 386
 Delta R.T. 0.05 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

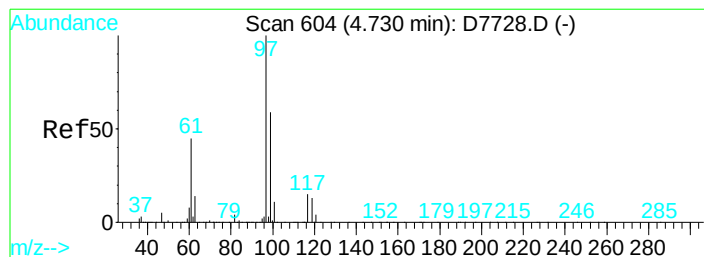
Tgt Ion:	43	Resp:	2107
Ion Ratio	Lower	Upper	
43	100		
57	6.9	0.0	29.4
72	29.4	5.6	45.6



#35
 Chloroform
 Concen: 0.54 ug/L
 RT: 3.72 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

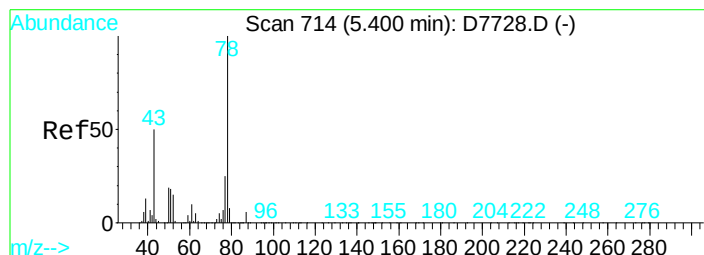
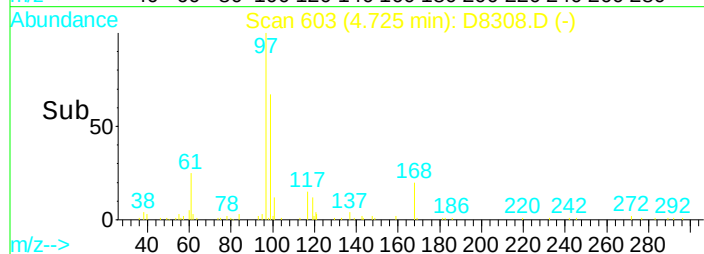
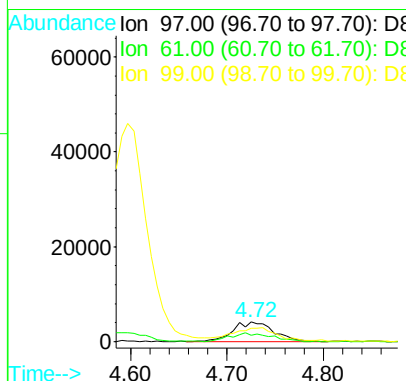
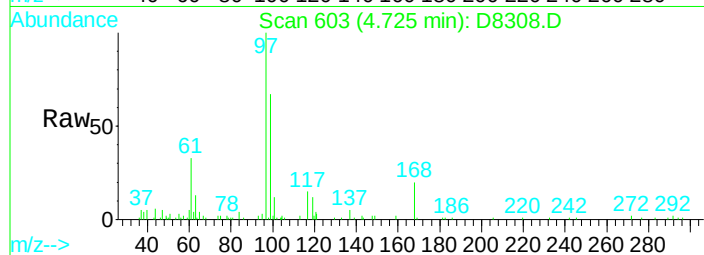
Tgt Ion:	83	Resp:	1840
Ion Ratio	Lower	Upper	
83	100		
85	50.5	43.9	83.9
47	36.1	8.1	48.1





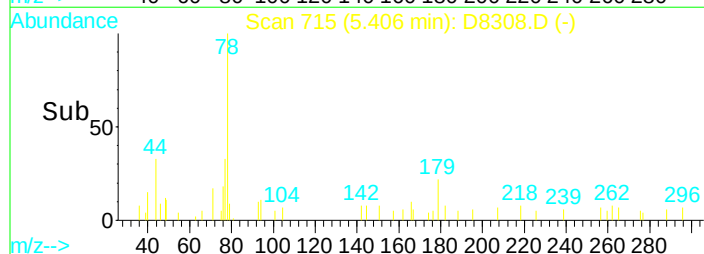
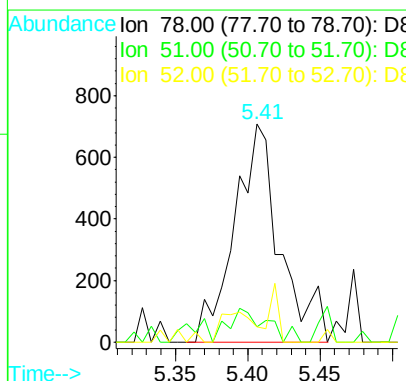
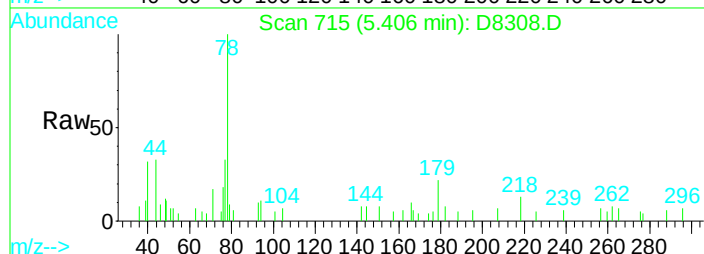
#39
 1,1,1-Trichloroethane
 Concen: 3.65 ug/L
 RT: 4.72 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

Tgt Ion:	97	Resp:	12068
Ion Ratio	Lower	Upper	
97	100		
61	33.3	26.0	66.0
99	67.1	44.3	84.3



#49
 Benzene
 Concen: 0.22 ug/L
 RT: 5.41 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: D8308.D
 Acq: 19 Sep 2017 6:53 pm

Tgt Ion:	78	Resp:	1547
Ion Ratio	Lower	Upper	
78	100		
51	7.1	0.0	37.8
52	6.9	0.0	35.4



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8309.D

Vial: 28

Acq On : 19 Sep 2017 7:18 pm

Operator: D.Lipani

Sample : R1708700-010|1.0

Inst : MS#6

Misc : Verina 8260C 7979 T4

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 17:38 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	257121	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.88	114	358785	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.20	82	173123	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	189131	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	129405	50.29	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	100.58%
43) surr1,1,2-dichloroethane-d	4.48	65	134148	48.13	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	96.26%
65) SURR3,Toluene-d8	7.90	98	395244	54.40	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	108.80%
86) SURR2,BFB	10.24	95	163614	50.46	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	100.92%

Target Compounds

					Qvalue	
4) Vinyl Chloride	1.27	62	8583	2.73	ug/L	96
6) Chloroethane	1.51	64	946	0.62	ug/L	# 65
9) Freon 123a	1.73	67	15749	6.84	ug/L	91
14) Acetone	1.87	43	7069	14.69	ug/L	97 NT
16) 1,1-Dicethene	2.09	96	2041	1.15	ug/L	88
21) Freon 113	2.24	101	8814	4.36	ug/L	90
24) Carbon Disulfide	2.31	76	1852	0.34	ug/L	86
27) 1,1-Dicethane	2.89	63	89887	31.39	ug/L	96
33) cis-1,2-Dichloroethene	3.47	96	135341	67.15	ug/L	97
39) 1,1,1-Trichloroethane	4.73	97	22393	6.72	ug/L	93
54) Trichloroethene	6.32	130	30691	13.19	ug/L	98
74) Tetrachloroethene	8.63	164	623	0.30	ug/L	# 83

 (#) = qualifier out of range (m) = manual integration

D8309.D W082417.M Thu Sep 21 17:38:11 2017

Quantitation Report

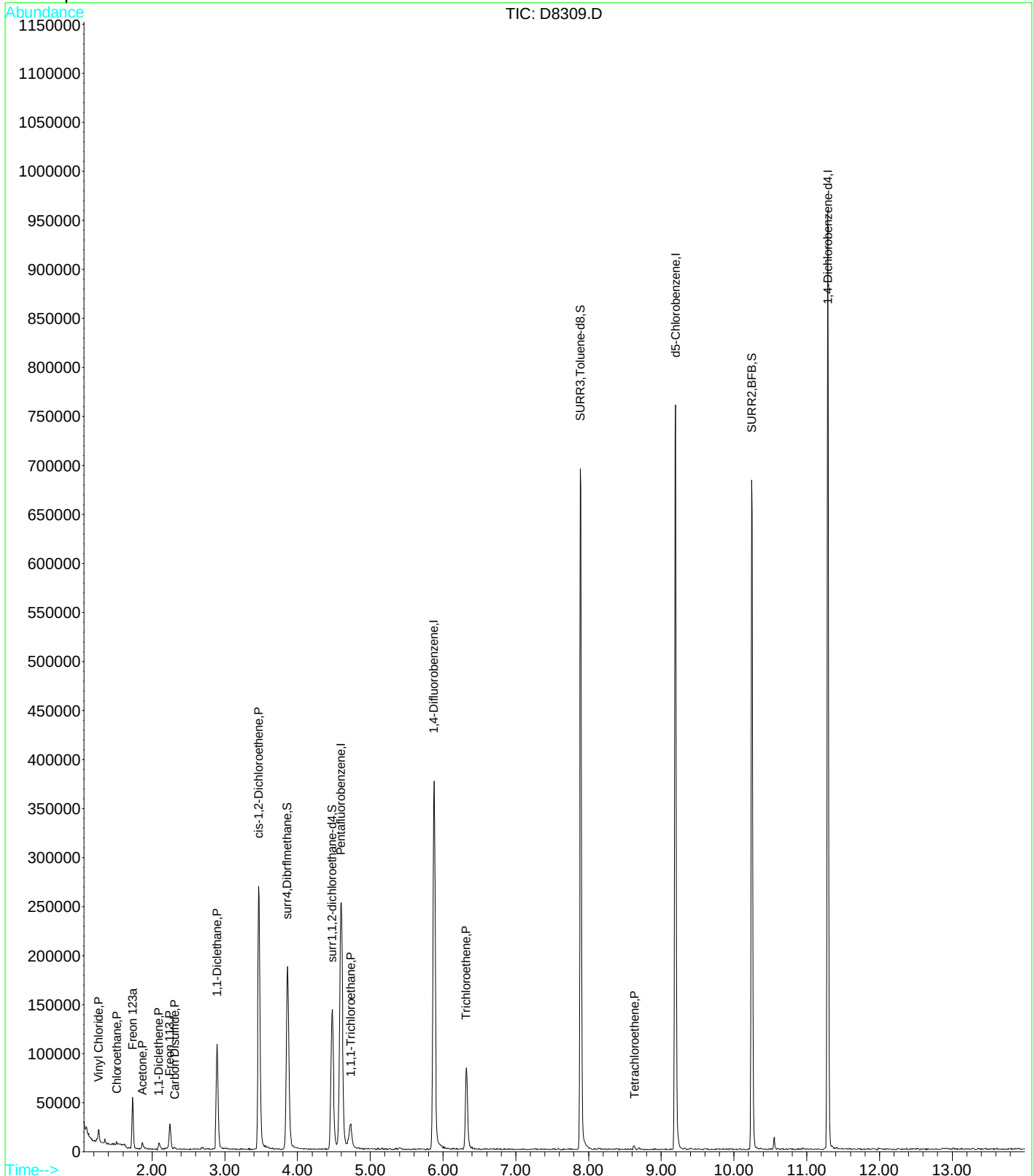
1st *DL* 09/21/17
2nd *FJ* 09/22/17

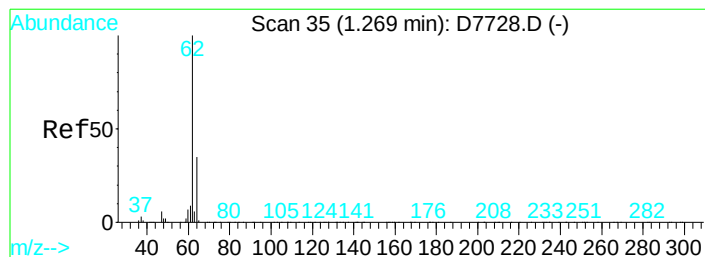
Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8309.D
Acq On : 19 Sep 2017 7:18 pm
Sample : R1708700-010|1.0
Misc : Verina 8260C 7979 T4
MS Integration Params: CPD4.P
Quant Time: Sep 21 17:38 2017

Vial: 28
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

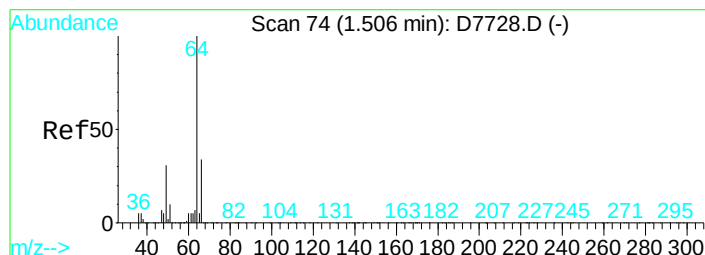
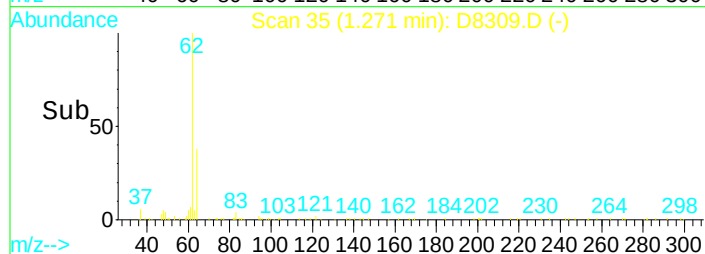
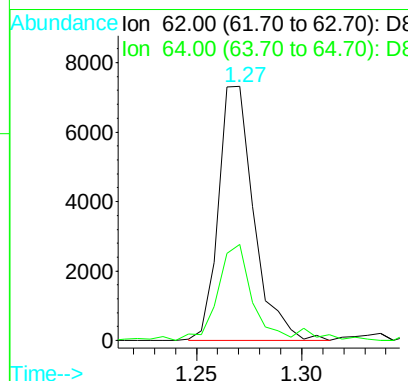
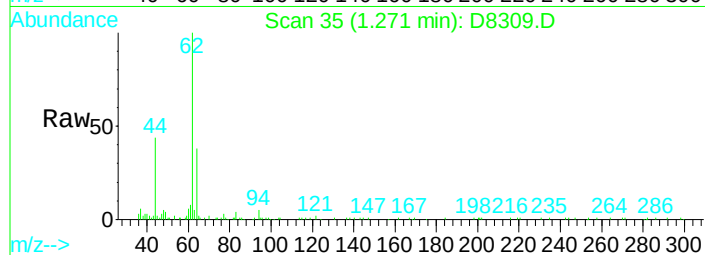
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





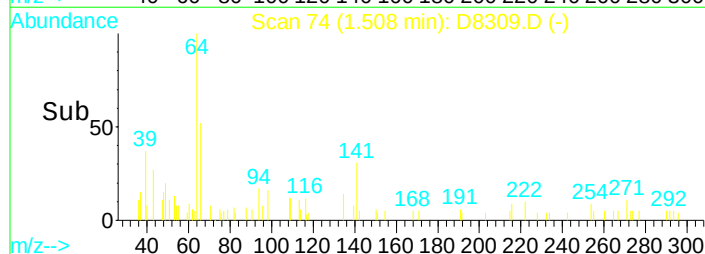
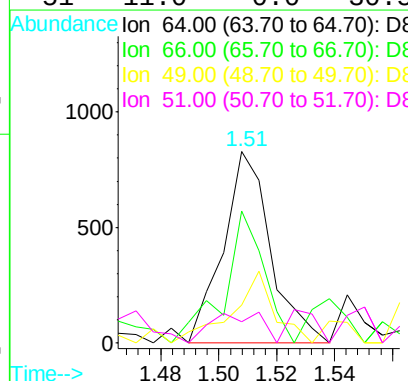
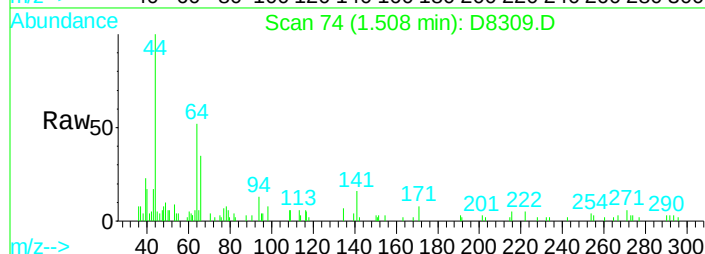
#4
Vinyl Chloride
Concen: 2.73 ug/L
RT: 1.27 min Scan# 35
Delta R.T. 0.00 min
Lab File: D8309.D
Acq: 19 Sep 2017 7:18 pm

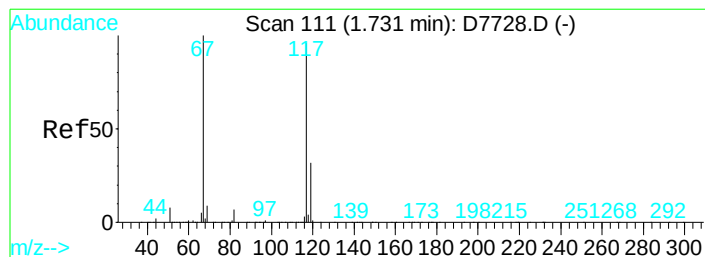
Tgt Ion: 62 Resp: 8583
Ion Ratio Lower Upper
62 100
64 37.8 15.3 55.3



#6
Chloroethane
Concen: 0.62 ug/L
RT: 1.51 min Scan# 74
Delta R.T. 0.00 min
Lab File: D8309.D
Acq: 19 Sep 2017 7:18 pm

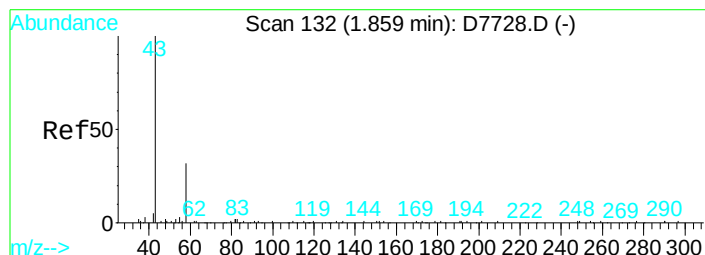
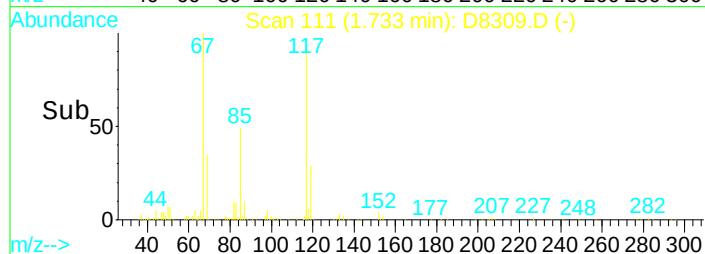
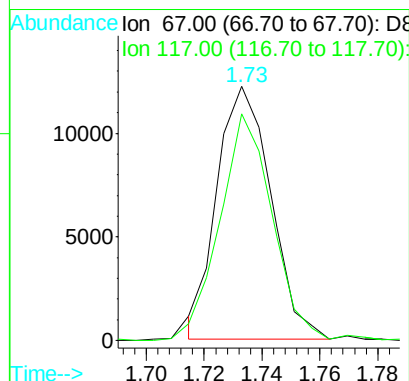
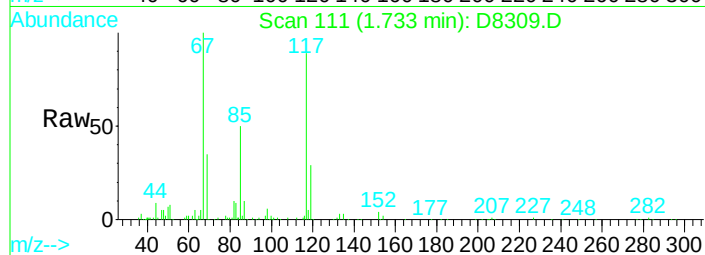
Tgt Ion: 64 Resp: 946
Ion Ratio Lower Upper
64 100
66 68.7 14.3 54.3#
49 19.8 10.7 50.7
51 11.0 0.0 30.5





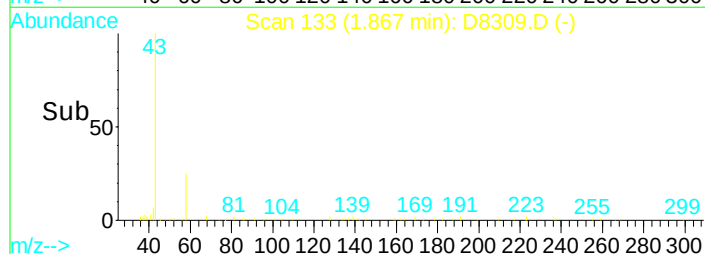
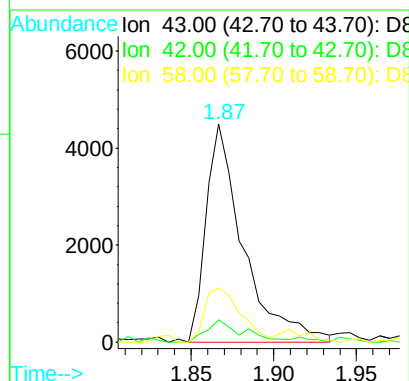
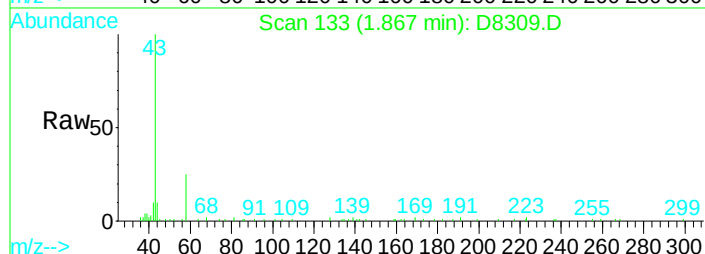
#9
 Freon 123a
 Concen: 6.84 ug/L
 RT: 1.73 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

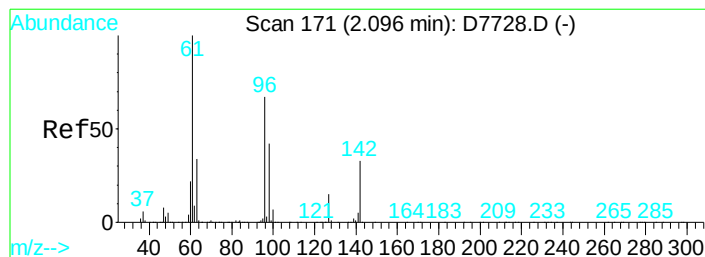
Tgt Ion: 67 Resp: 15749
 Ion Ratio Lower Upper
 67 100
 117 89.3 61.0 101.0



#14
 Acetone
 Concen: 14.69 ug/L
 RT: 1.87 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

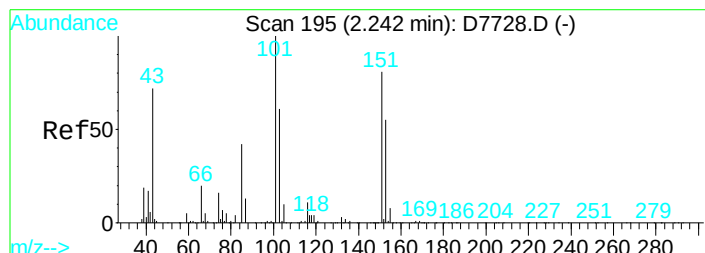
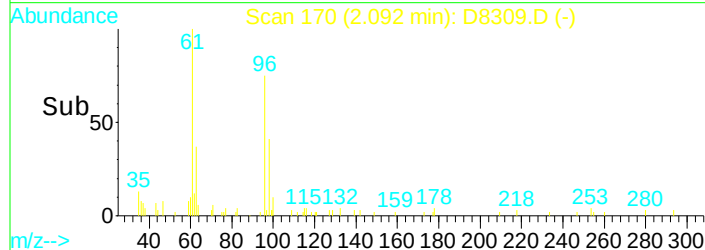
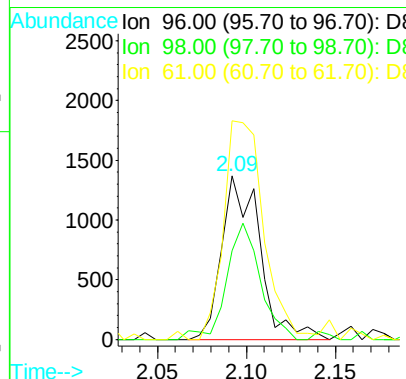
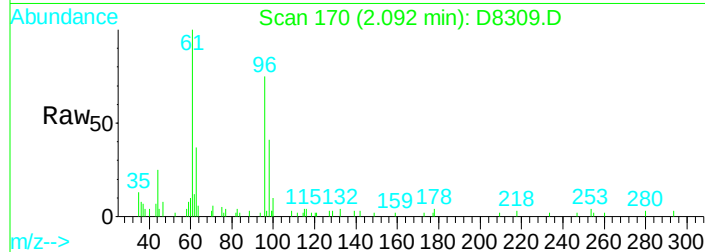
Tgt Ion: 43 Resp: 7069
 Ion Ratio Lower Upper
 43 100
 42 10.1 0.0 31.4
 58 24.8 3.1 43.1





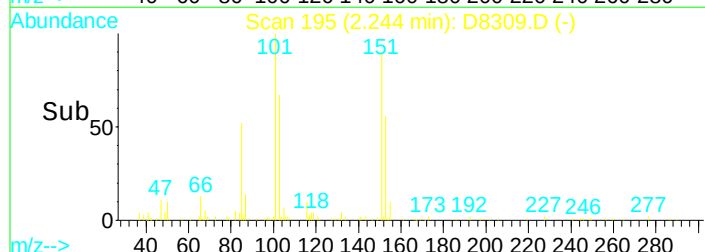
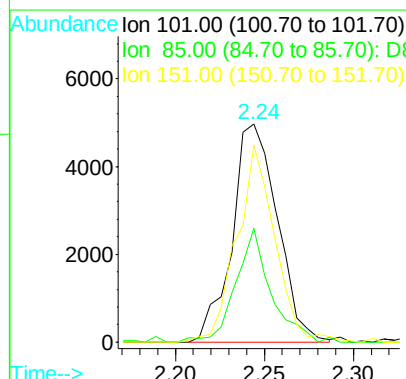
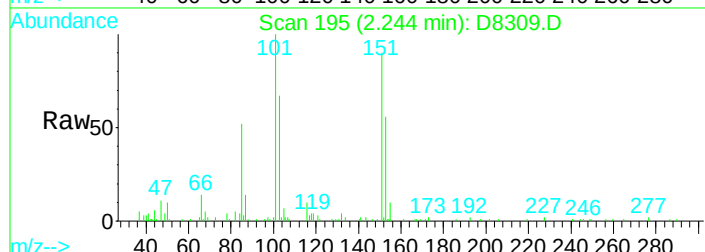
#16
 1,1-Dicloroethene
 Concen: 1.15 ug/L
 RT: 2.09 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

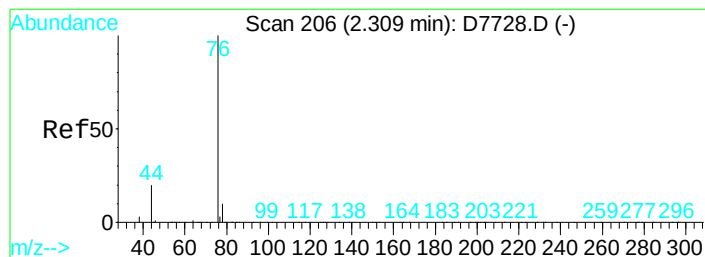
Tgt Ion:	96	Resp:	2041
Ion Ratio	Lower	Upper	
96	100		
98	54.1	42.6	82.6
61	133.3	129.3	169.3



#21
 Freon 113
 Concen: 4.36 ug/L
 RT: 2.24 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

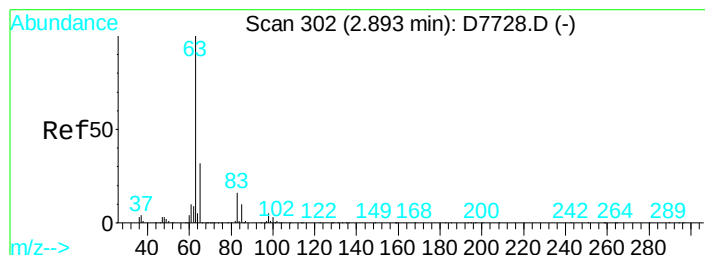
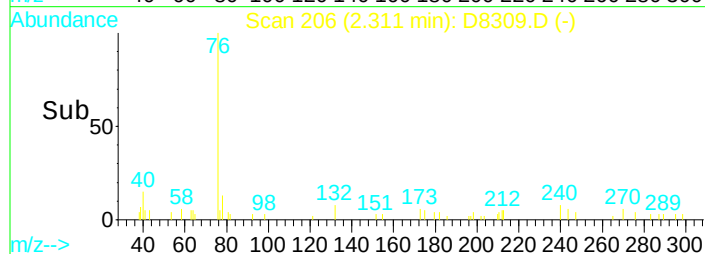
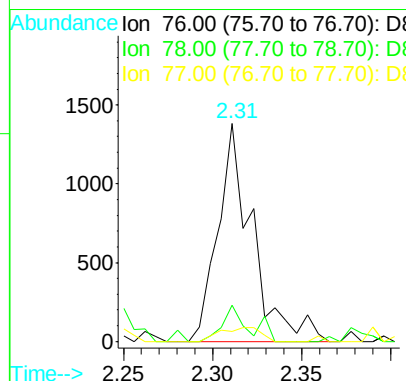
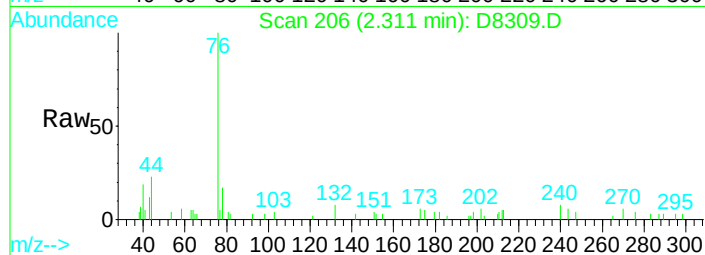
Tgt Ion:	101	Resp:	8814
Ion Ratio	Lower	Upper	
101	100		
85	52.0	25.6	65.6
151	90.1	61.0	101.0





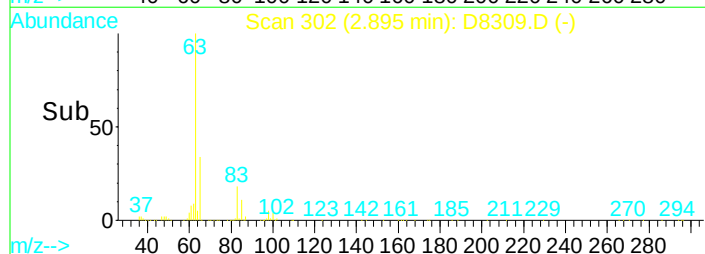
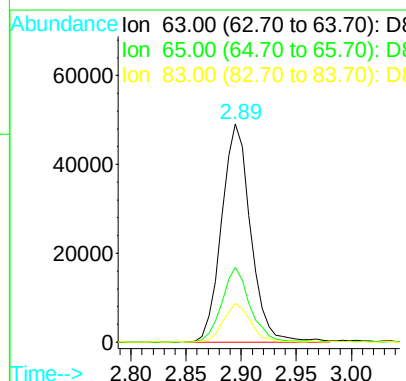
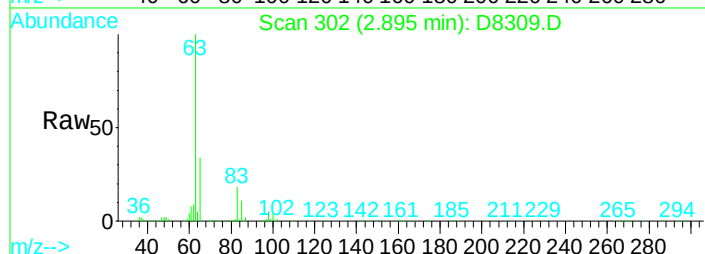
#24
 Carbon Disulfide
 Concen: 0.34 ug/L
 RT: 2.31 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

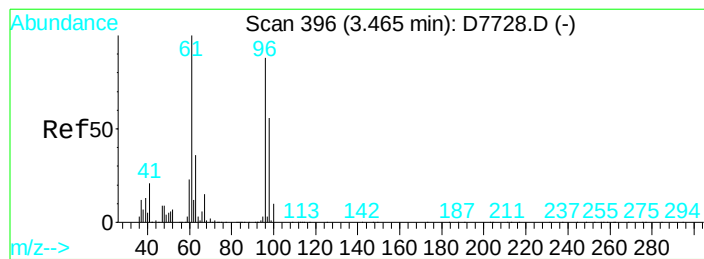
Tgt Ion:	76	Resp:	1852
Ion Ratio	Lower	Upper	
76	100		
78	16.8	0.0	30.5
77	4.6	0.0	23.3



#27
 1,1-Dicethane
 Concen: 31.39 ug/L
 RT: 2.89 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

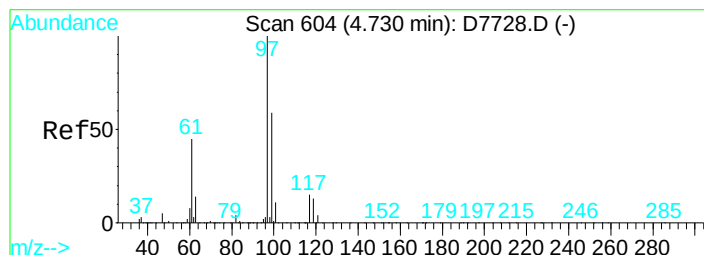
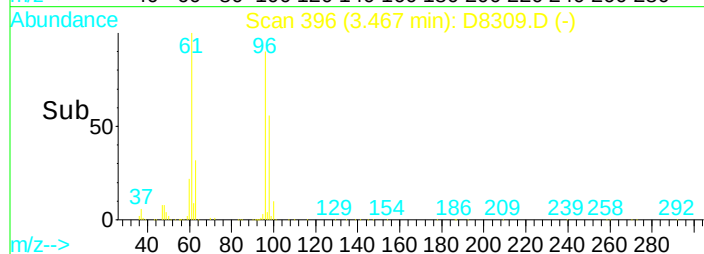
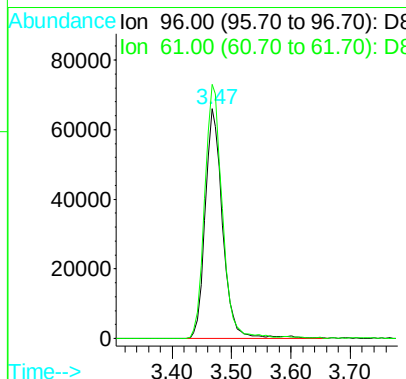
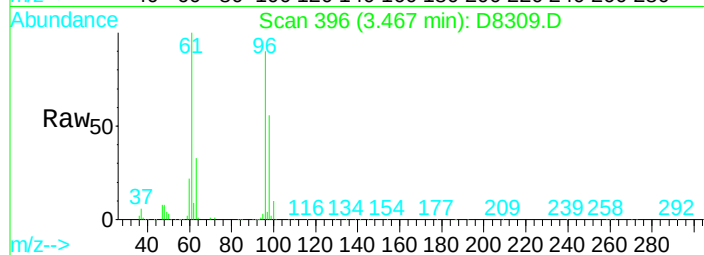
Tgt Ion:	63	Resp:	89887
Ion Ratio	Lower	Upper	
63	100		
65	34.3	11.9	51.9
83	17.9	0.0	36.0





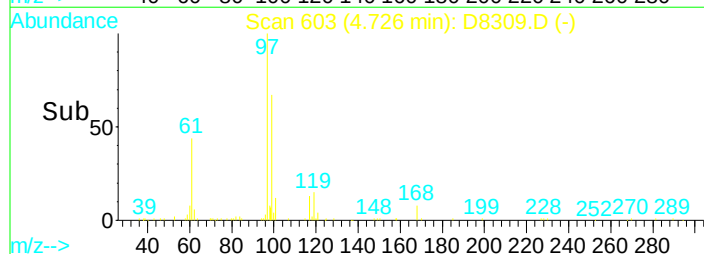
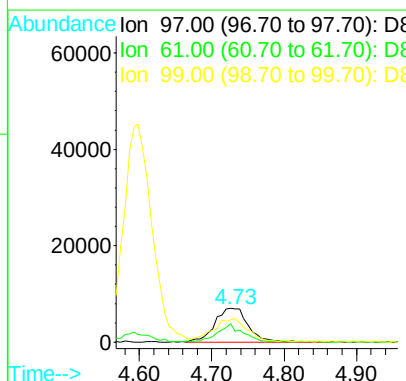
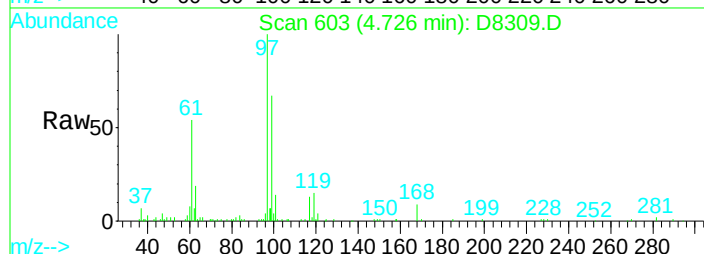
#33
 cis-1,2-Dichloroethene
 Concen: 67.15 ug/L
 RT: 3.47 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

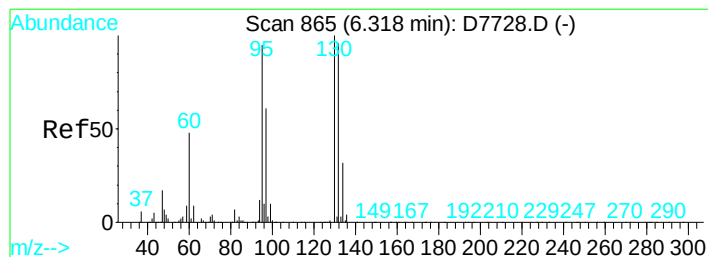
Tgt Ion: 96 Resp: 135341
 Ion Ratio Lower Upper
 96 100
 61 110.6 93.6 133.6



#39
 1,1,1-Trichloroethane
 Concen: 6.72 ug/L
 RT: 4.73 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

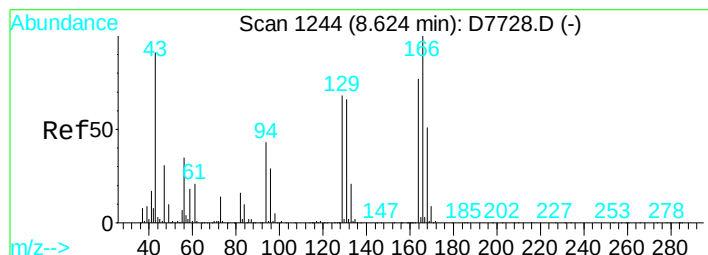
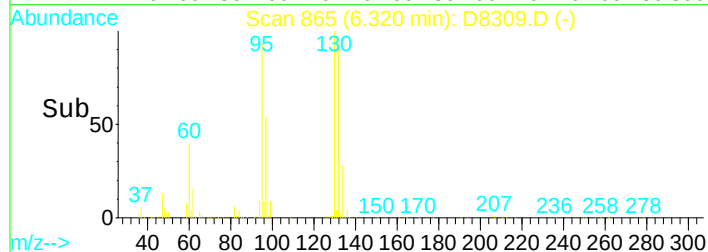
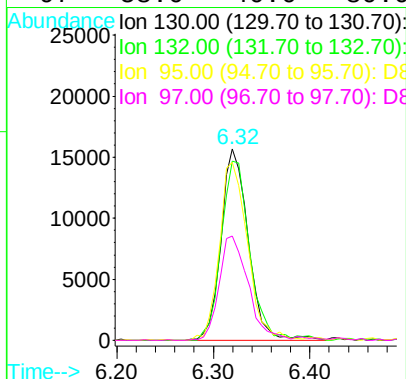
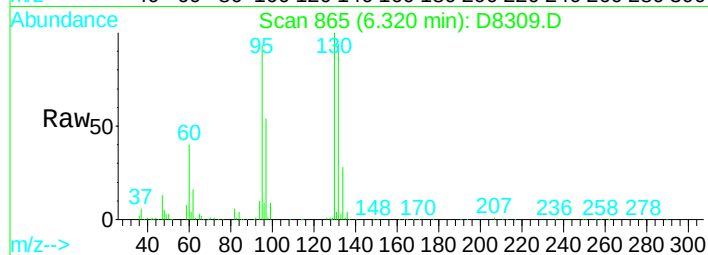
Tgt Ion: 97 Resp: 22393
 Ion Ratio Lower Upper
 97 100
 61 54.1 26.0 66.0
 99 66.9 44.3 84.3





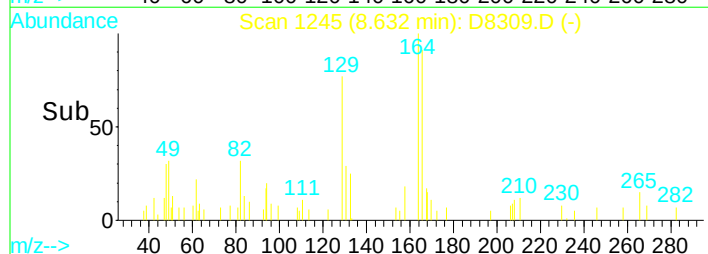
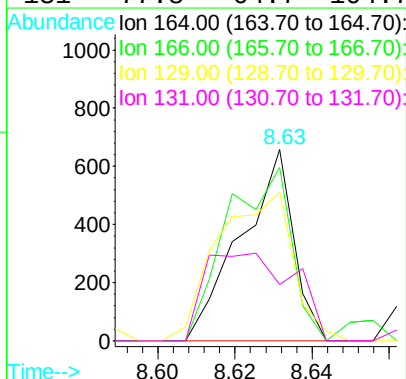
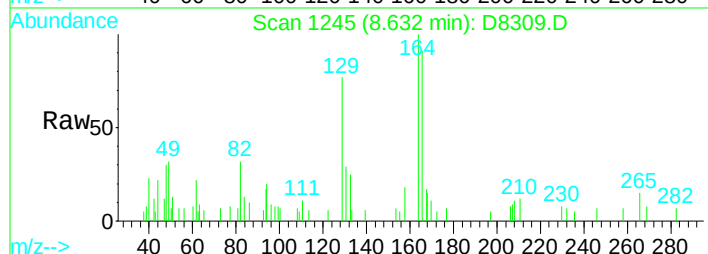
#54
 Trichloroethene
 Concen: 13.19 ug/L
 RT: 6.32 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	30691		
132	95.6	75.8	115.8	
95	96.2	72.3	112.3	
97	58.0	40.0	80.0	



#74
 Tetrachloroethene
 Concen: 0.30 ug/L
 RT: 8.63 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: D8309.D
 Acq: 19 Sep 2017 7:18 pm

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	623		
166	110.6	111.1	151.1#	
129	110.8	67.3	107.3#	
131	77.8	64.7	104.7	



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8290.D

Vial: 9

Acq On : 19 Sep 2017 10:56 am

Operator: D.Lipani

Sample : MET BLK

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 14:11 2017

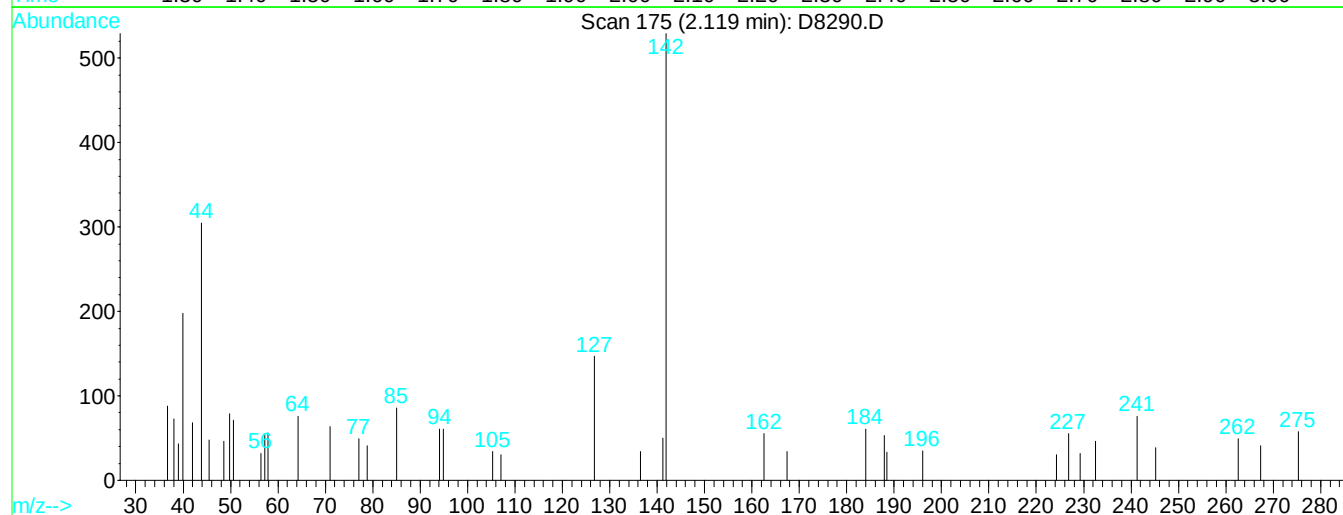
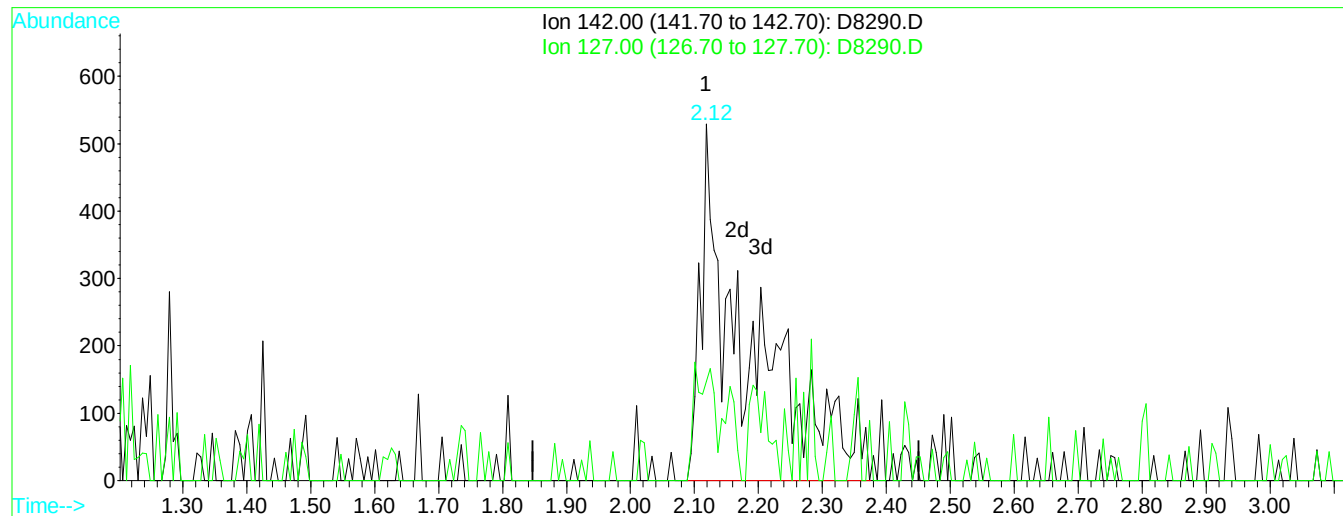
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8290.D

(17) Iodomethane

Manual Integration:

2.12min 0.92ug/L m

After

response 2723

Split Peak.

Ion	Exp%	Act%

09/21/17

142.00	100	100

127.00	48.60	27.79#

0.00	0.00	0.00

0.00	0.00	0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8290.D

Vial: 9

Acq On : 19 Sep 2017 10:56 am

Operator: D.Lipani

Sample : MET BLK

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 14:11 2017

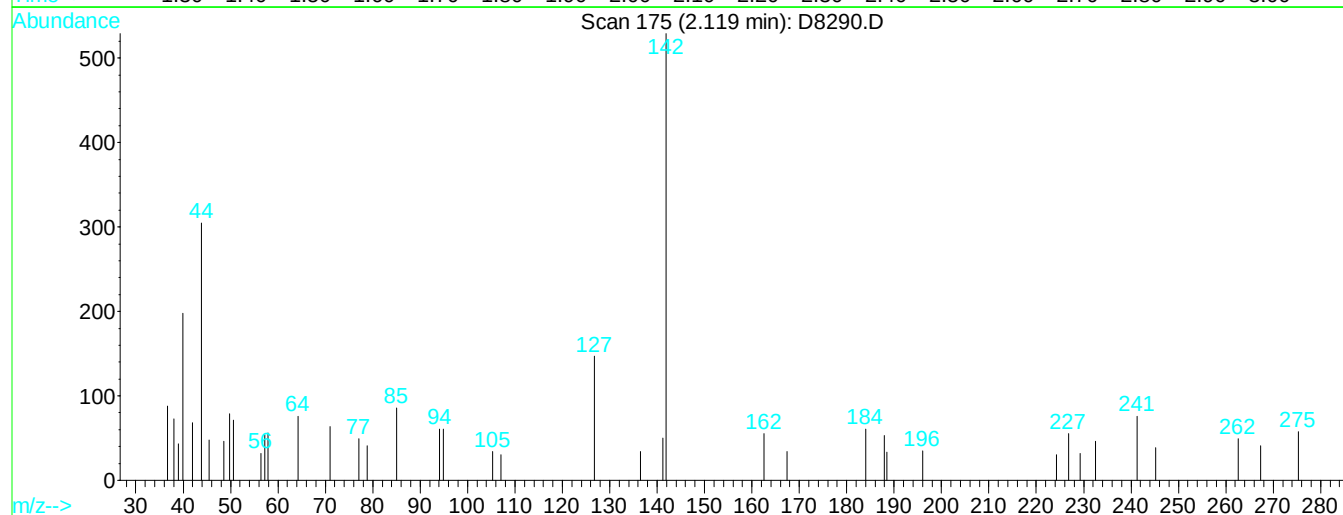
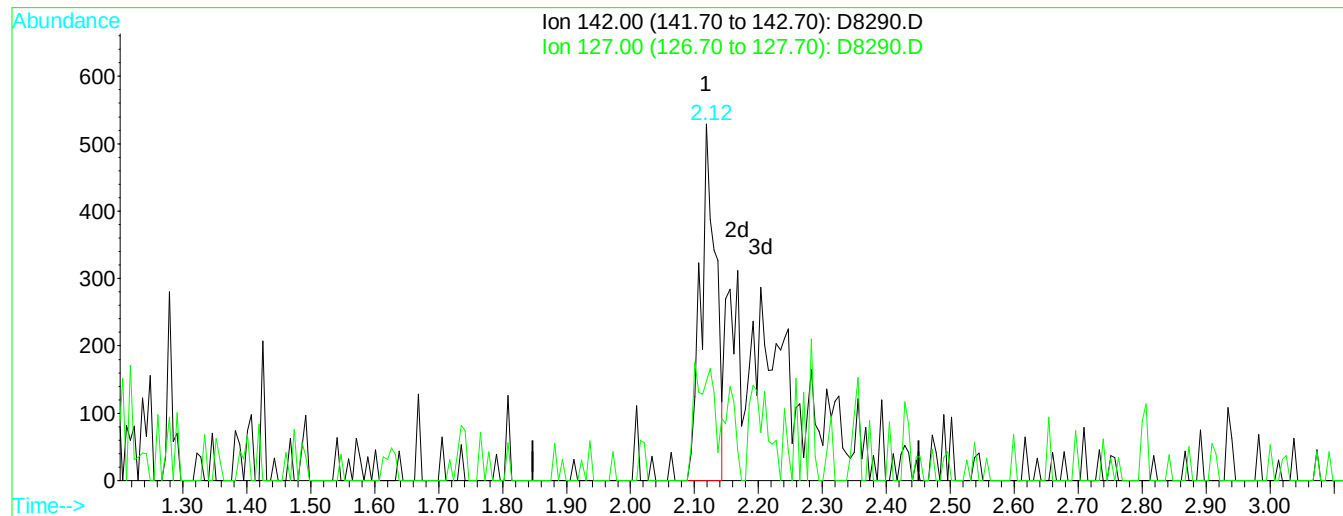
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Multiple Level Calibration



TIC: D8290.D

(17) Iodomethane

Manual Integration:

2.12min 0.29ug/L

Before

response 871

Ion	Exp%	Act%

09/21/17

142.00	100	100

127.00	48.60	27.79#

0.00	0.00	0.00

0.00	0.00	0.00

Tentatively Identified Compound (LSC) summary

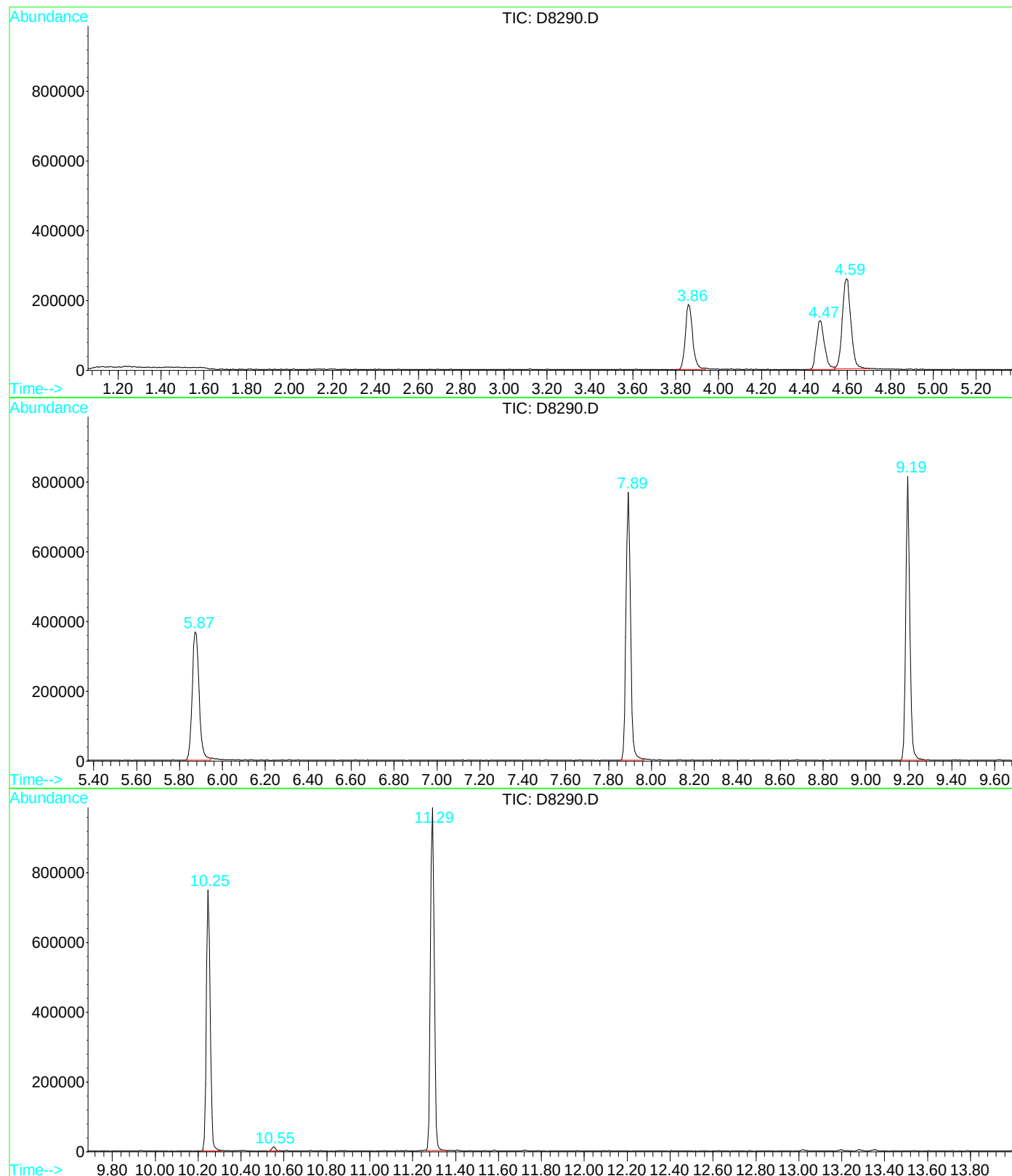
1st *DL* 09/21/17
2nd *FJ* 09/22/17

Operator ID: D.Lipani Date Acquired: 19 Sep 2017 10:56 am
Data File: I:\ACQUDATA\MSVOA6\DATA\091917\D8290.D
Name: MET BLK
Misc: 8260C / 624
Method: I:\ACQUDATA\MSVOA6\METHODS\W082417.M (RTE Integrator)
Title: 8260C / 624 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

D8290.D W082417.M			Thu Sep 21 14:49:23 2017					

File : I:\ACQUDATA\MSV0A6\DATA\091917\D8290.D
Operator : D.Lipani
Acquired : 19 Sep 2017 10:56 am using AcqMethod W082417
Instrument : MS#6
Sample Name: MET BLK
Misc Info : 8260C / 624
Vial Number: 9
Quant File : W082417.RES (RTE Integrator)



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8290.D

Vial: 9

Acq On : 19 Sep 2017 10:56 am

Operator: D.Lipani

Sample : MET BLK

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 21 14:13 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.59	168	264805	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	365982	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	180212	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	194295	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	133080	50.70	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.40%
43) surr1,1,2-dichloroethane-d	4.47	65	135750	47.75	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	95.50%
65) SURR3,Toluene-d8	7.89	98	414094	55.88	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	111.76%
86) SURR2,BFB	10.25	95	166759	49.41	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	98.82%

Target Compounds

					Qvalue
14) Acetone	1.91	43	296	0.60 ug/L	82
17) Iodomethane	2.12	142	2723m	0.92 ug/L	
105) 1,2,4-Tcbenzene	13.01	180	953	0.28 ug/L	85
106) Naphthalen	13.20	128	1911	0.30 ug/L	80
107) Hexachlorobt	13.28	225	524	0.32 ug/L #	82

Quantitation Report

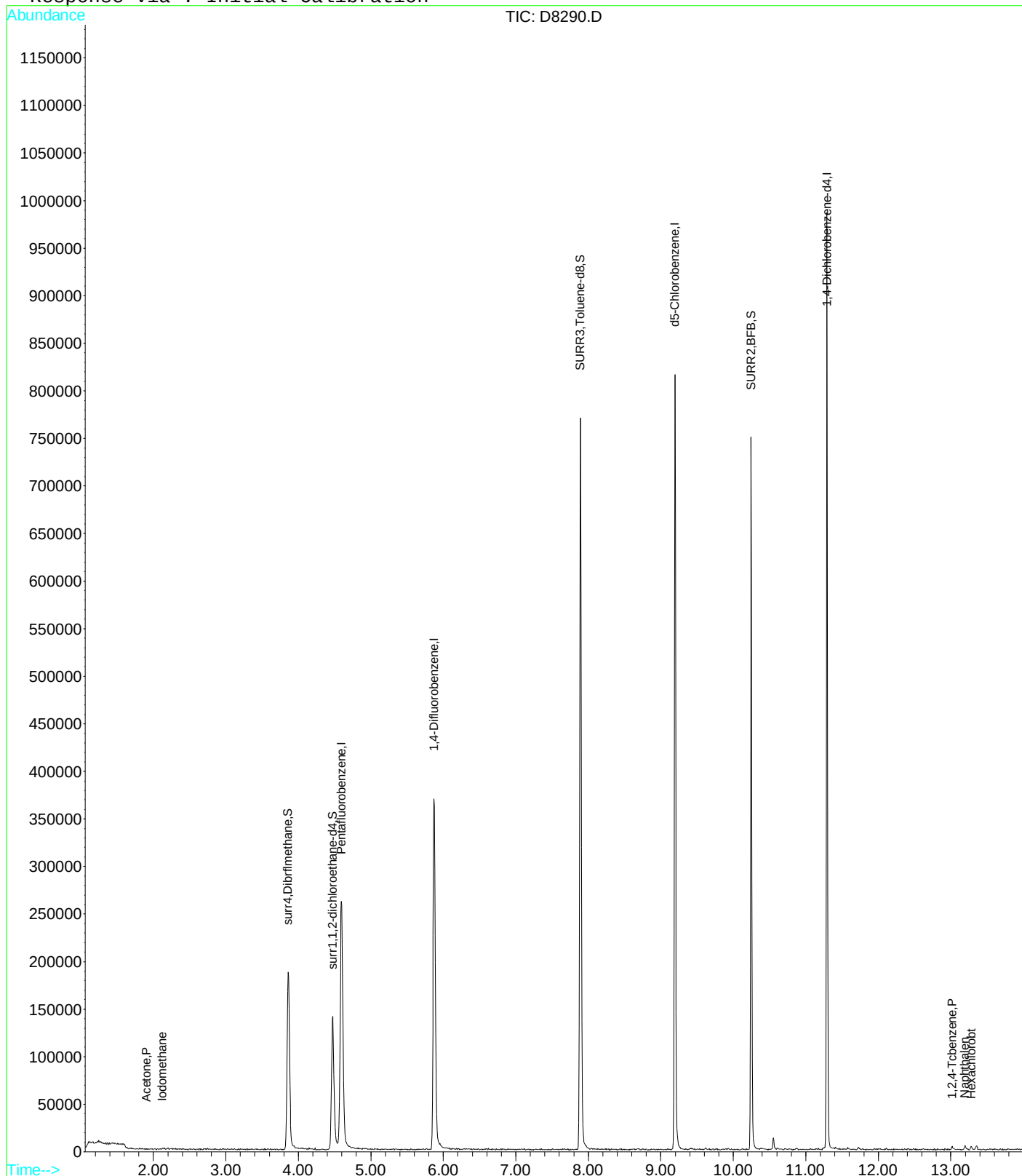
1st *DL* 09/21/17
2nd *FJ* 09/22/17

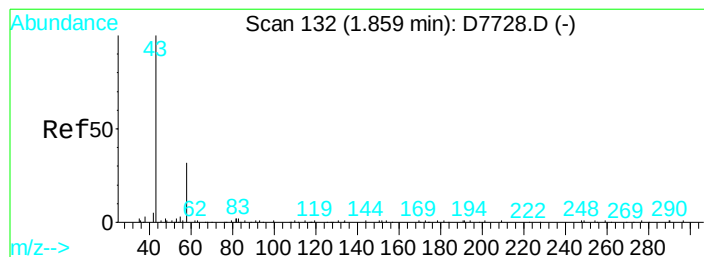
Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8290.D
Acq On : 19 Sep 2017 10:56 am
Sample : MET BLK
Misc : 8260C / 624
MS Integration Params: CPD4.P
Quant Time: Sep 21 14:13 2017

Vial: 9
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

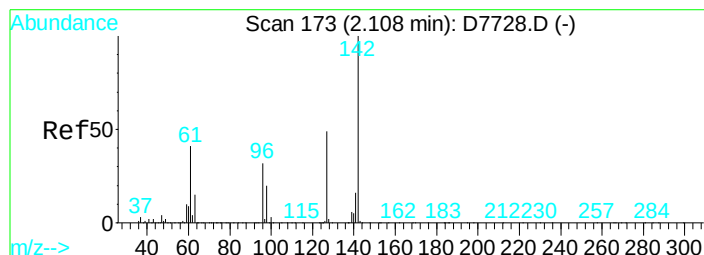
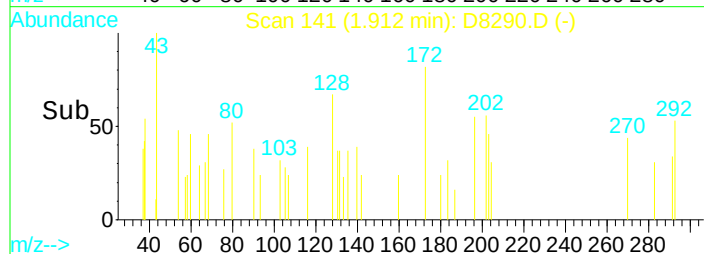
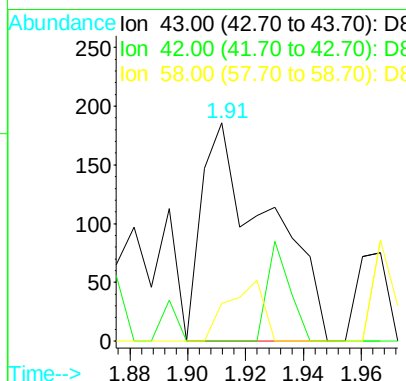
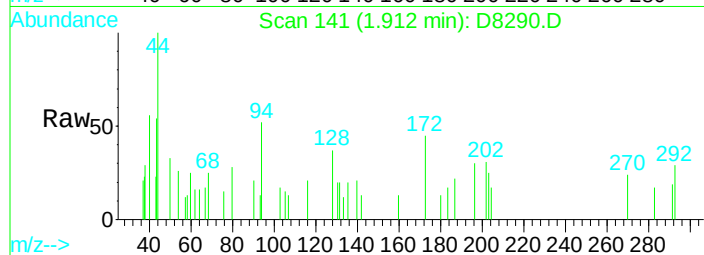
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration





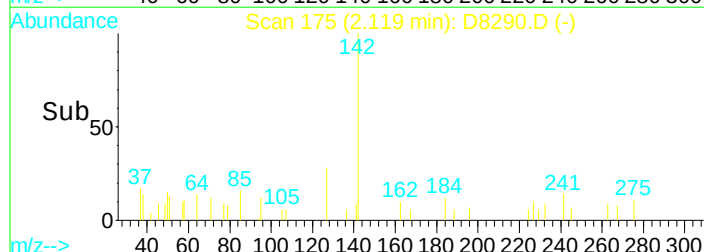
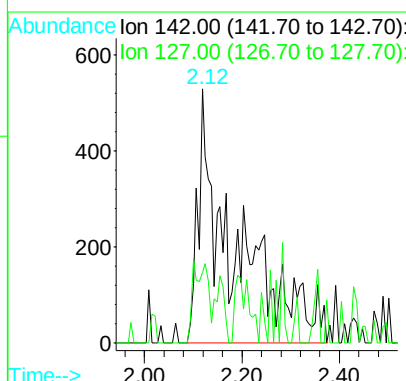
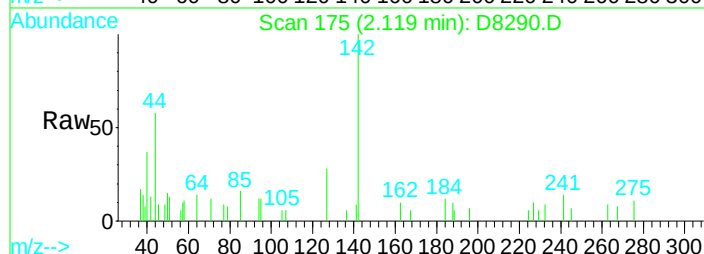
#14
Acetone
Concen: 0.60 ug/L
RT: 1.91 min Scan# 141
Delta R.T. 0.05 min
Lab File: D8290.D
Acq: 19 Sep 2017 10:56 am

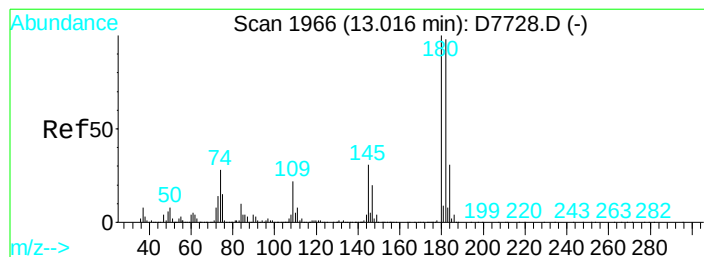
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
42 0.0 0.0 31.4
58 17.2 3.1 43.1



#17
Iodomethane
Concen: 0.92 ug/L m
RT: 2.12 min Scan# 175
Delta R.T. 0.01 min
Lab File: D8290.D
Acq: 19 Sep 2017 10:56 am

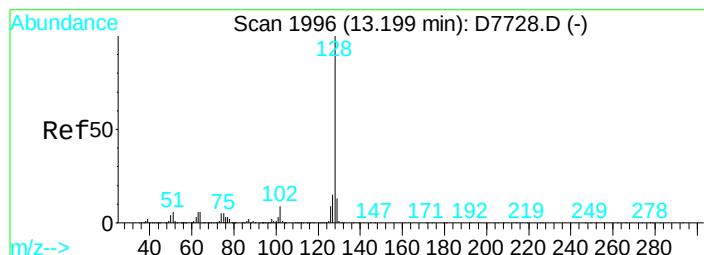
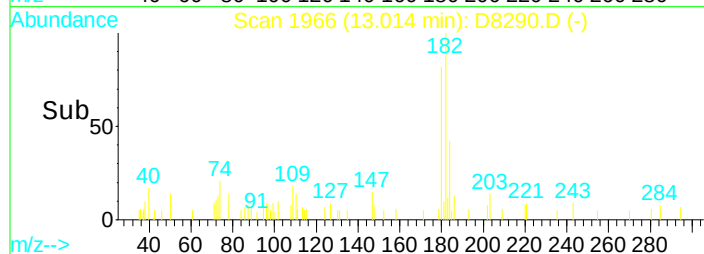
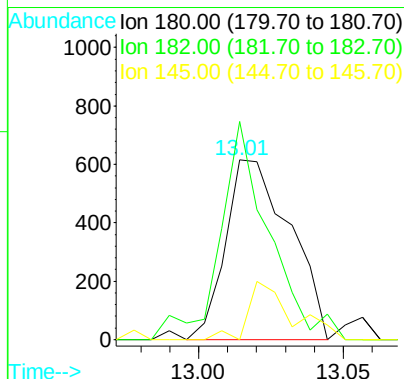
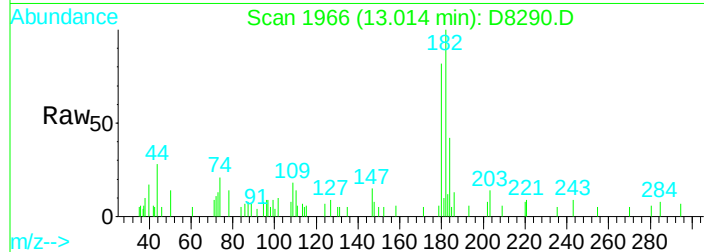
Tgt Ion: 142 Resp: 2723
Ion Ratio Lower Upper
142 100
127 27.8 28.6 68.6#





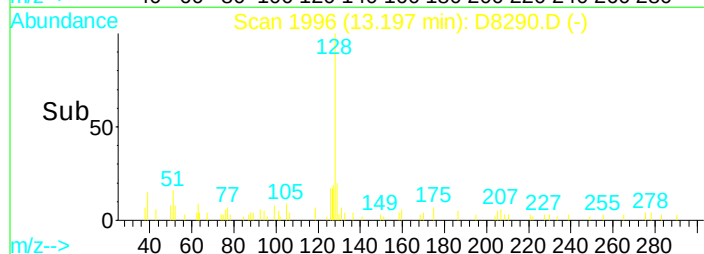
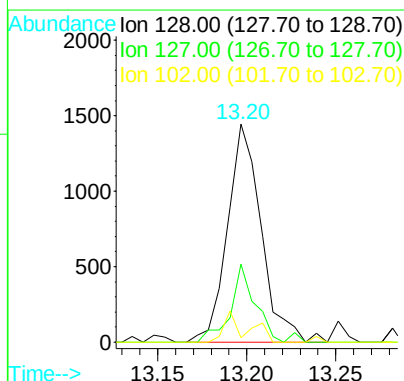
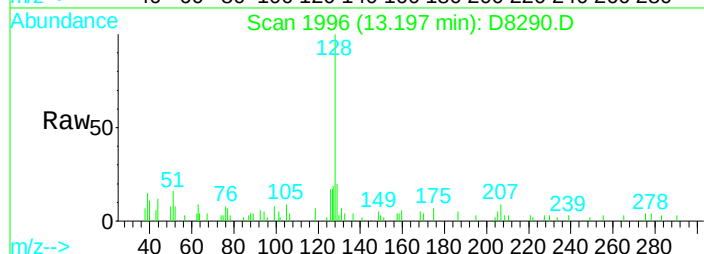
#105
 1,2,4-Tcbenzene
 Concen: 0.28 ug/L
 RT: 13.01 min Scan# 1966
 Delta R.T. -0.00 min
 Lab File: D8290.D
 Acq: 19 Sep 2017 10:56 am

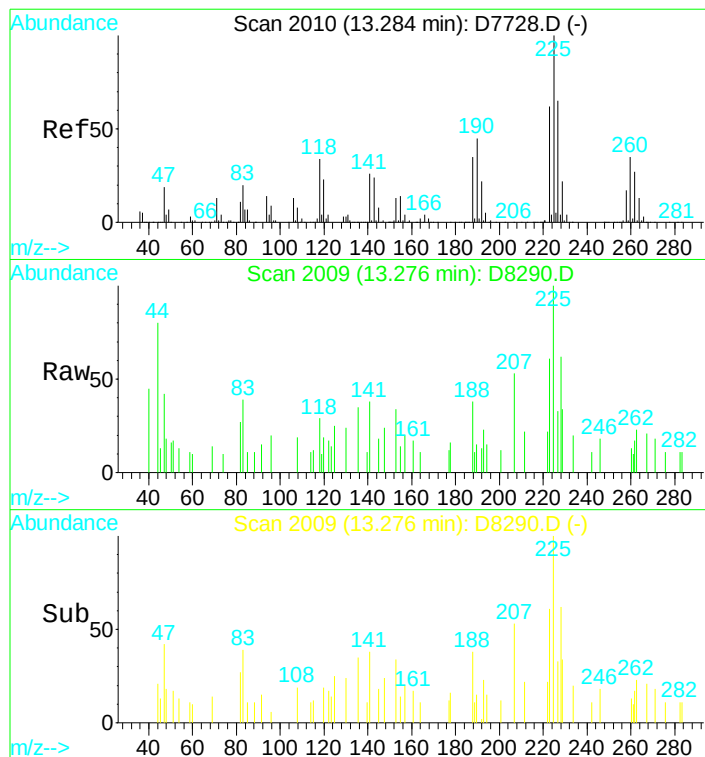
Tgt Ion:	180	Resp:	953
Ion Ratio	Lower	Upper	
180	100		
182	86.6	77.3	117.3
145	13.0	9.5	49.5



#106
 Naphthalen
 Concen: 0.30 ug/L
 RT: 13.20 min Scan# 1996
 Delta R.T. -0.00 min
 Lab File: D8290.D
 Acq: 19 Sep 2017 10:56 am

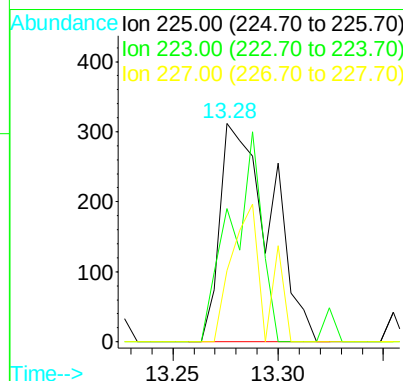
Tgt Ion:	128	Resp:	1911
Ion Ratio	Lower	Upper	
128	100		
127	25.7	0.0	35.0
102	5.3	0.0	29.4





#107
 Hexachlorobt
 Concen: 0.32 ug/L
 RT: 13.28 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: D8290.D
 Acq: 19 Sep 2017 10:56 am

Tgt Ion:	225	Resp:	524
Ion Ratio	Lower	Upper	
225	100		
223	58.4	42.5	82.5
227	41.4	45.8	85.8#



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8287.D

Vial: 6

Acq On : 19 Sep 2017 9:38 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 11:12 2017

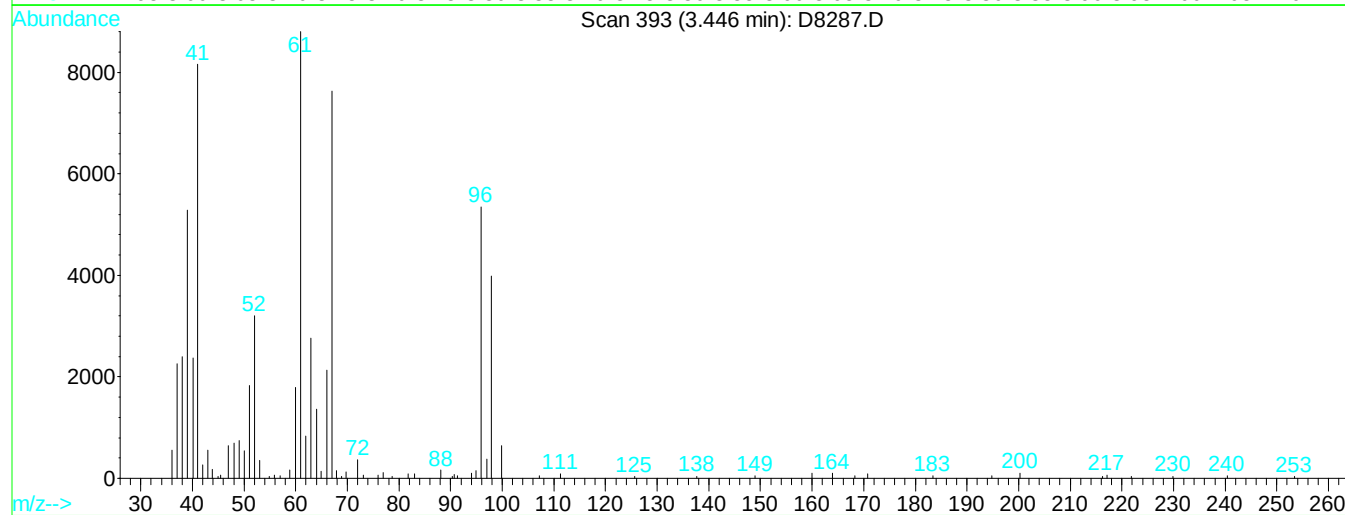
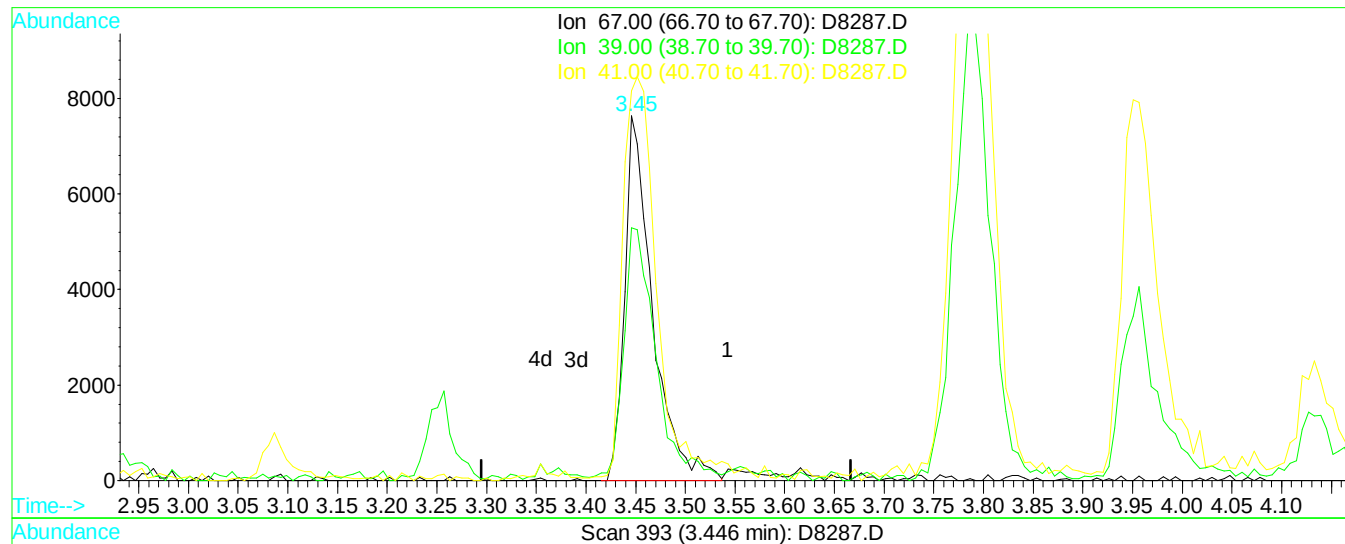
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8287.D

(32) Methacrylonitrile

Manual Integration:

3.45min 21.67ug/L m

After

response 14841

Peak not found.

Ion Exp% Act%

09/19/17

67.00 100 100

39.00 96.70 69.25#

41.00 148.40 106.86#

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8287.D

Vial: 6

Acq On : 19 Sep 2017 9:38 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 9:55 2017

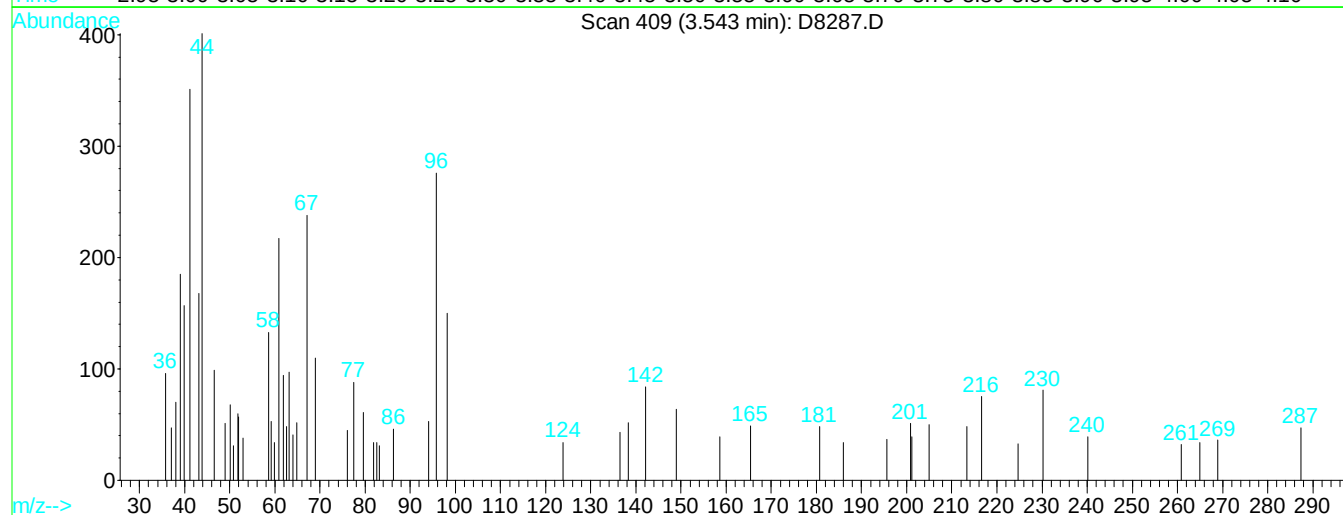
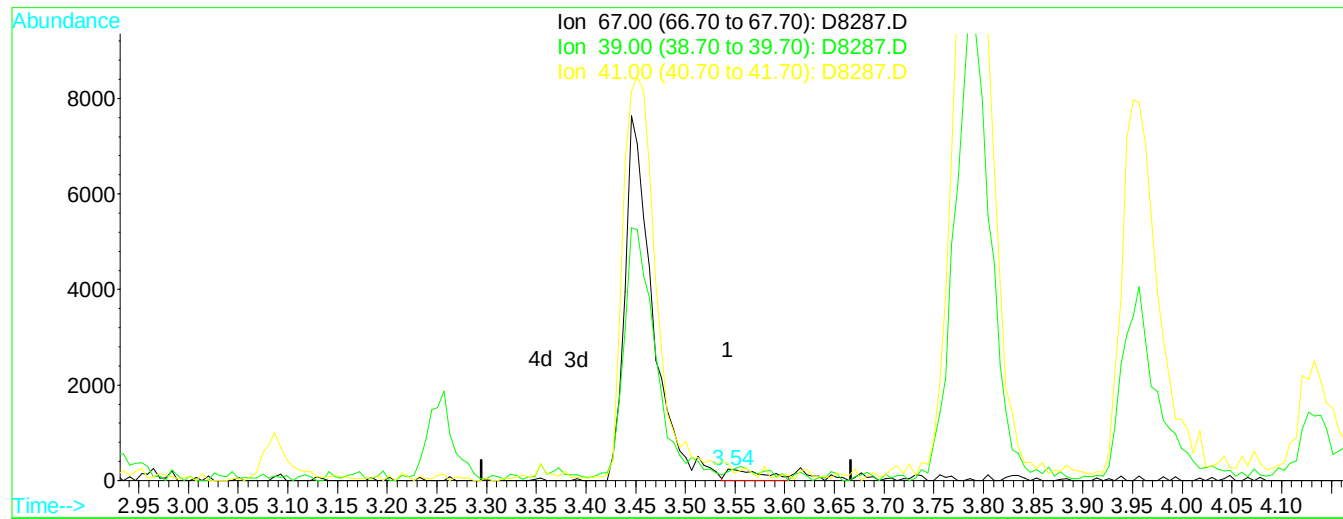
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8287.D

(32) Methacrylonitrile

Manual Integration:

3.54min 0.92ug/L

Before

response 628

Ion Exp% Act%

09/19/17

67.00 100 100

39.00 96.70 77.73

41.00 148.40 147.48

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8287.D

Vial: 6

Acq On : 19 Sep 2017 9:38 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 11:13 2017

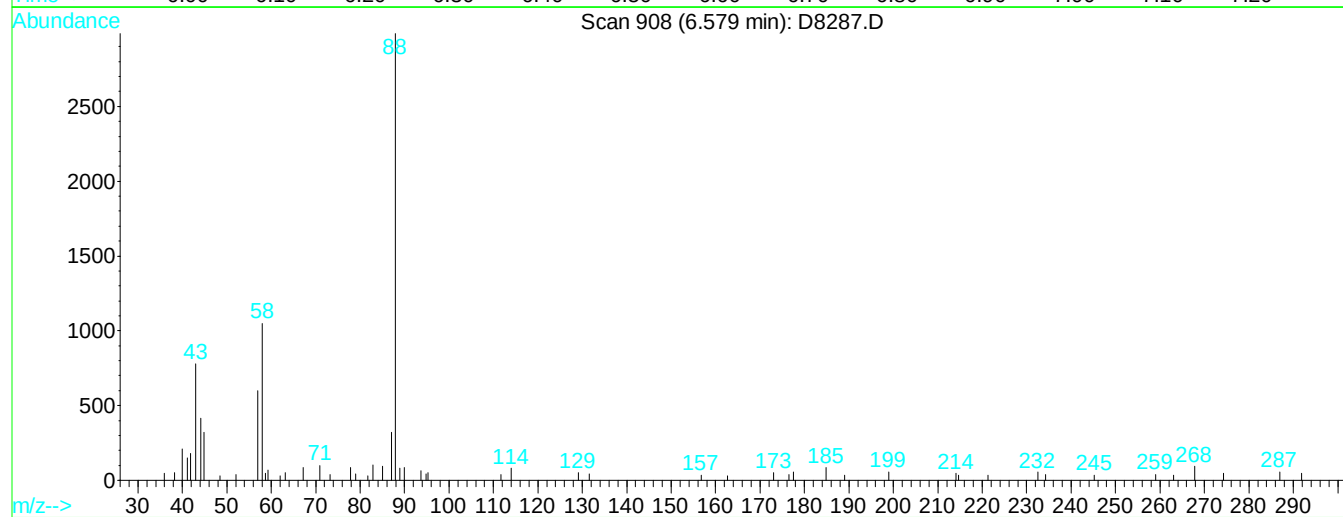
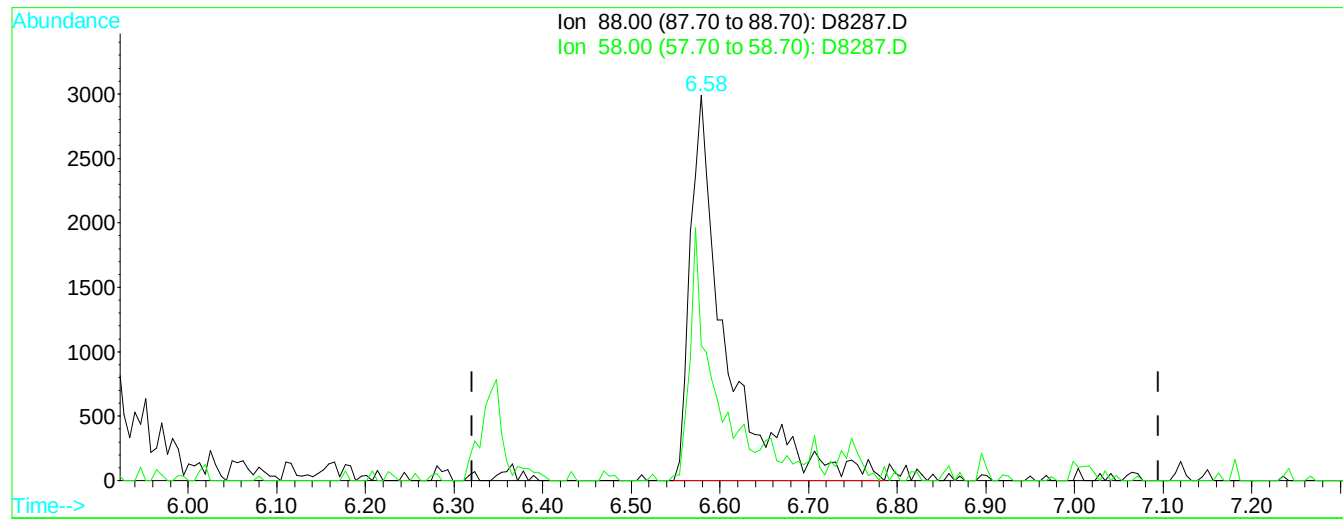
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8287.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 434.13ug/L m

After

response 8427

Split Peak.

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	35.12
0.00	0.00	0.00
0.00	0.00	0.00

09/19/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8287.D

Vial: 6

Acq On : 19 Sep 2017 9:38 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 11:13 2017

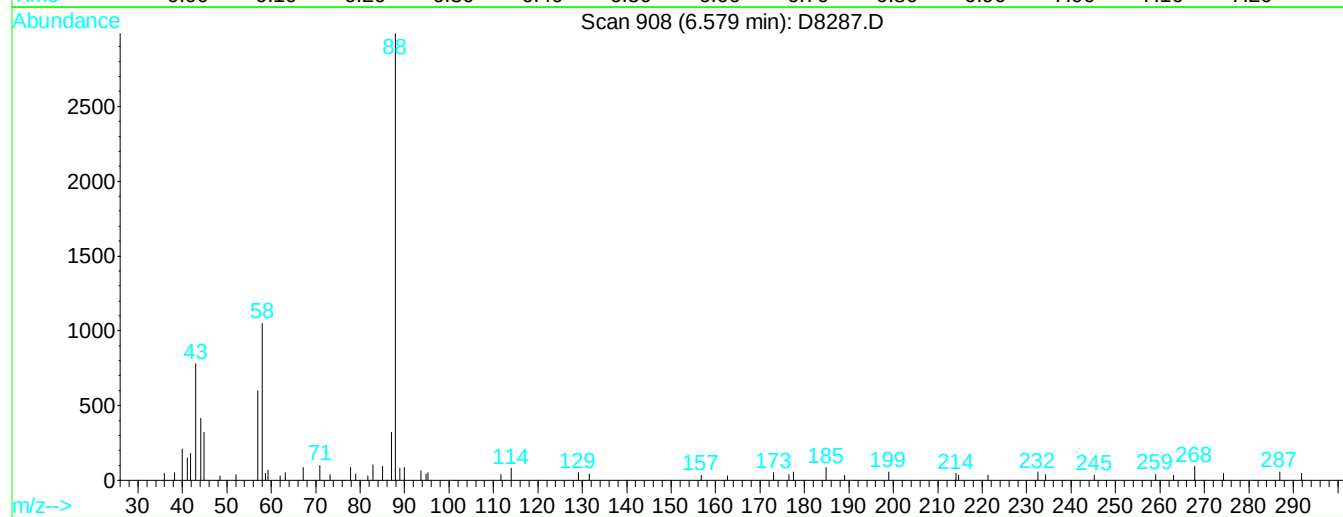
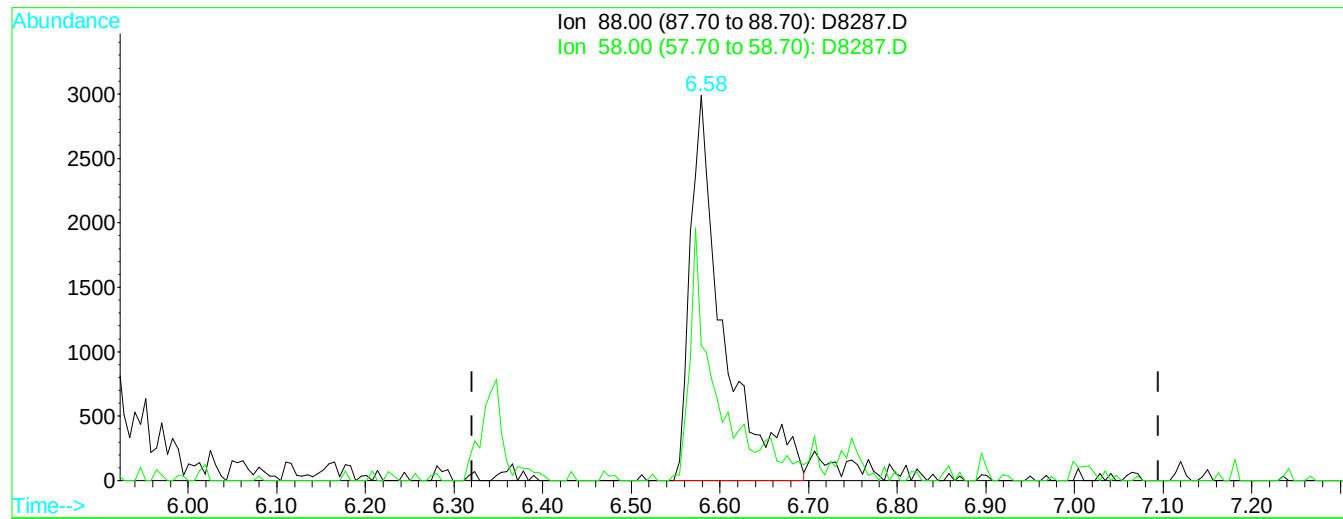
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8287.D

(56) 1,4-Dioxane

Manual Integration:

6.58min 401.52ug/L

Before

response 7794

Ion	Exp%	Act%
88.00	100	100
58.00	49.20	36.73
0.00	0.00	0.00
0.00	0.00	0.00

09/19/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8287.D

Vial: 6

Acq On : 19 Sep 2017 9:38 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 11:14 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	281215	50.00	ug/L	0.00
40) 1,4-Difluorobenzene	5.87	114	386694	50.00	ug/L	0.00
67) d5-Chlorobenzene	9.19	82	187982	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.29	152	204561	50.00	ug/L	0.00

System Monitoring Compounds

41) surr4,Dibrflmethane	3.86	113	140772	50.76	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	101.52%
43) surr1,1,2-dichloroethane-d	4.47	65	143987	47.93	ug/L	0.00
Spiked Amount	50.000	Range	81 - 127	Recovery	=	95.86%
65) SURR3,Toluene-d8	7.89	98	429945	54.91	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	109.82%
86) SURR2,BFB	10.25	95	179554	51.00	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	102.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.12	85	83373	19.88	ug/L	96
3) Chloromethane	1.19	50	60698	21.79	ug/L	97
4) Vinyl Chloride	1.27	62	83751	24.39	ug/L	98
5) Bromomethane	1.44	94	43105	20.83	ug/L	98
6) Chloroethane	1.50	64	38891	23.12	ug/L	98
7) Freon 21	1.54	67	109040	21.36	ug/L	96
8) Freon 123	1.71	83	71099	22.43	ug/L	96
9) Freon 123a	1.73	67	57465	22.81	ug/L	99
10) Acrolein	1.79	56	6626	29.77	ug/L	98
11) Trichlorofluoromethane	1.79	101	80298	20.93	ug/L	96
12) Acetonitrile	1.80	41	14686	95.95	ug/L	90
13) 2-Propanol	1.83	45	38148	362.44	ug/L	95
14) Acetone	1.86	43	11127	21.14	ug/L	82
15) Diethyl Ether	1.94	59	28248	20.85	ug/L	97
16) 1,1-Dicethene	2.10	96	40118	20.70	ug/L	94
17) Iodomethane	2.11	142	54436	17.29	ug/L	92
18) TBA	2.13	59	72266	400.72	ug/L	98
19) Acrylonitrile	2.14	53	64077	109.88	ug/L	96
20) Methylene Chloride	2.20	84	46572	22.63	ug/L	95
21) Freon 113	2.24	101	46760	21.12	ug/L	96
22) Methyl Acetate	2.25	43	24936	14.37	ug/L	94
23) Allyl Chloride	2.26	76	20147	25.25	ug/L	92
24) Carbon Disulfide	2.31	76	117387	19.81	ug/L	98
25) trans-1,2-Dichloroethene	2.69	96	43444	21.04	ug/L	# 84
26) Methyl-t-Butyl Ether	2.81	73	114956	21.67	ug/L	100
27) 1,1-Dicethane	2.89	63	72221	23.06	ug/L	98
28) Propionitrile	2.92	54	23616	112.37	ug/L	97
29) Vinyl Acetate	3.09	43	80331	21.59	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.25	53	57863	20.89	ug/L	87
31) 2-Butanone	3.36	43	15110	21.39	ug/L	92
32) Methacrylonitrile	3.45	67	14841m	21.67	ug/L	
33) cis-1,2-Dichloroethene	3.47	96	49657	22.53	ug/L	97
34) Bromochloromethane	3.64	128	27095	21.67	ug/L	95
35) Chloroform	3.71	83	83735	22.30	ug/L	94
36) 2,2-Dichloropropane	3.79	77	70856	20.70	ug/L	97
38) Tetrahydrofuran	4.13	42	9032	21.31	ug/L	98
39) 1,1,1-Trichloroethane	4.73	97	75113	20.60	ug/L	96
42) Iso-Butyl Alcohol	3.96	42	16227	375.22	ug/L	93
44) 1,2-Dichloroethane	4.59	64	19487	18.39	ug/L	98

(#)=qualifier out of range (m)=manual integration

D8287.D W082417.M Tue Sep 19 11:14:52 2017

Data File : I:\ACQDATA\MSV0A6\DATA\091917\D8287.D

Vial: 6

Acq On : 19 Sep 2017 9:38 am

Operator: D.Lipani

Sample : LCS

Inst : MS#6

Misc : 8260C / 624

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 11:14 2017

Quant Results File: W082417.RES

Quant Method : I:\ACQDATA\M...\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Initial Calibration

DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) 1,1-Dichloropropene	5.08	75	56861	20.30	ug/L	96
47) Cyclohexane	5.17	56	56290	19.57	ug/L	94
48) Carbontetrachloride	5.31	119	63537	20.41	ug/L	96
49) Benzene	5.40	78	160122	21.13	ug/L	97
51) Dibromomethane	6.18	93	32124	20.05	ug/L	97
52) 1,2-Dicloropropane	6.24	63	39548	20.43	ug/L	98
53) n-Heptane	6.34	43	45369	21.41	ug/L	94
54) Trichloroethene	6.32	130	52626	20.99	ug/L	97
55) Bromodichloromethane	6.37	83	63549	21.20	ug/L	98
56) 1,4-Dioxane	6.58	88	8427m	434.13	ug/L	
58) Methyl Methacrylate	6.75	69	26520	20.29	ug/L	99
59) Methylcyclohexane	6.90	55	46512	20.83	ug/L	95
60) 2-Chloroethylvinyl Ether	7.02	63	22896	18.86	ug/L	95
61) cis-1,3-Dichloropropene	7.17	75	70306	20.95	ug/L	95
62) 4-Methyl-2-pentanone	7.37	43	31766	18.30	ug/L	98
63) trans-1,3-Dichloropropene	7.66	75	64331	20.41	ug/L	99
64) 1,1,2-Trichloroethane	7.77	97	44034	23.09	ug/L	95
66) Toluene	7.96	91	181243	21.07	ug/L	99
68) 1,3-Dichloropropane	8.01	76	63385	20.14	ug/L	90
69) Ethyl Methacrylate	8.19	69	54411	21.42	ug/L	87
70) Dibromochloromethane	8.21	129	54801	21.20	ug/L	99
71) 2-Hexanone	8.26	43	23717	18.69	ug/L	95
72) 1,2-Dibromoethane	8.43	107	47142	20.77	ug/L	98
73) n-Butyl Acetate	8.63	43	56483	19.46	ug/L	99
74) Tetrachloroethene	8.62	164	45948	20.47	ug/L	97
75) 1,1,1,2-Tetrachloroethane	9.16	131	47933	20.44	ug/L	96
76) Chlorobenzene	9.22	112	122889	20.69	ug/L	99
77) Ethylbenzene	9.44	106	66146	21.12	ug/L	95
78) Bromoform	9.61	173	38765	22.28	ug/L	97
79) (m+p)Xylene	9.61	106	156369	39.88	ug/L	95
80) o-Xylene	9.93	106	79751	21.14	ug/L	99
81) Cyclohexanone	9.84	55	62283	862.26	ug/L	93
82) Styrene	9.88	104	127431	21.14	ug/L	99
84) trans-1,4-Dichloro-2-Buten	10.11	75	15453	17.62	ug/L	90
85) Isopropylbenzene	10.25	105	195605	20.32	ug/L	98
88) 1,1,2,2-Tetrachloroethane	9.92	83	54747	22.40	ug/L	95
89) 1,2,3-Trichloropropane	10.04	75	37648	20.41	ug/L	96
90) Bromobenzene	10.38	156	64928	21.41	ug/L	98
91) n-Propylbenzene	10.61	91	231705	21.37	ug/L	96
92) 2-Chlorotoluene	10.65	91	126490	20.06	ug/L	97
93) 4-Chlorotoluene	10.72	91	143231	21.12	ug/L	96
94) 1,3,5-Trimethylbenzene	10.87	105	162391	21.58	ug/L	95
95) tert-Butylbenzene	11.06	119	136184	20.81	ug/L	97
96) 1,2,4-Trimethylbenzene	11.17	105	162714	20.17	ug/L	99
97) sec-Butylbenzene	11.24	105	203032	21.76	ug/L	97
98) 1,3-Diclbz	11.25	146	109476	21.23	ug/L	99
99) 1,4-Diclbz	11.31	146	110574	21.16	ug/L	99
100) p-Isopropyltoluene	11.41	119	170866	22.22	ug/L	97
101) 1,2-Diclbz	11.58	146	107083	20.76	ug/L	98
102) n-Butylbenzene	11.73	91	162023	22.87	ug/L	98
103) 1,2-Dibromo-3-chloropropan	11.94	75	9781	21.73	ug/L	90
104) Nitrobenzene	12.12	77	2947	92.71	ug/L	99
105) 1,2,4-Tcbenzene	13.01	180	78652	22.13	ug/L	95
106) Naphthalen	13.20	128	146472	21.80	ug/L	98

(#)=qualifier out of range (m)=manual integration

D8287.D W082417.M Tue Sep 19 11:14:53 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8287.D Vial: 6
Acq On : 19 Sep 2017 9:38 am Operator: D.Lipani
Sample : LCS Inst : MS#6
Misc : 8260C / 624 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Sep 19 11:14 2017 Quant Results File: W082417.RES

Quant Method : I:\ACQUDATA\M...\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration
DataAcq Meth : W082417

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
107) Hexachlorobt	13.28	225	40242	23.12	ug/L	96
108) 1,2,3-Tclbenzene	13.35	180	68500	22.40	ug/L	97

Quantitation Report

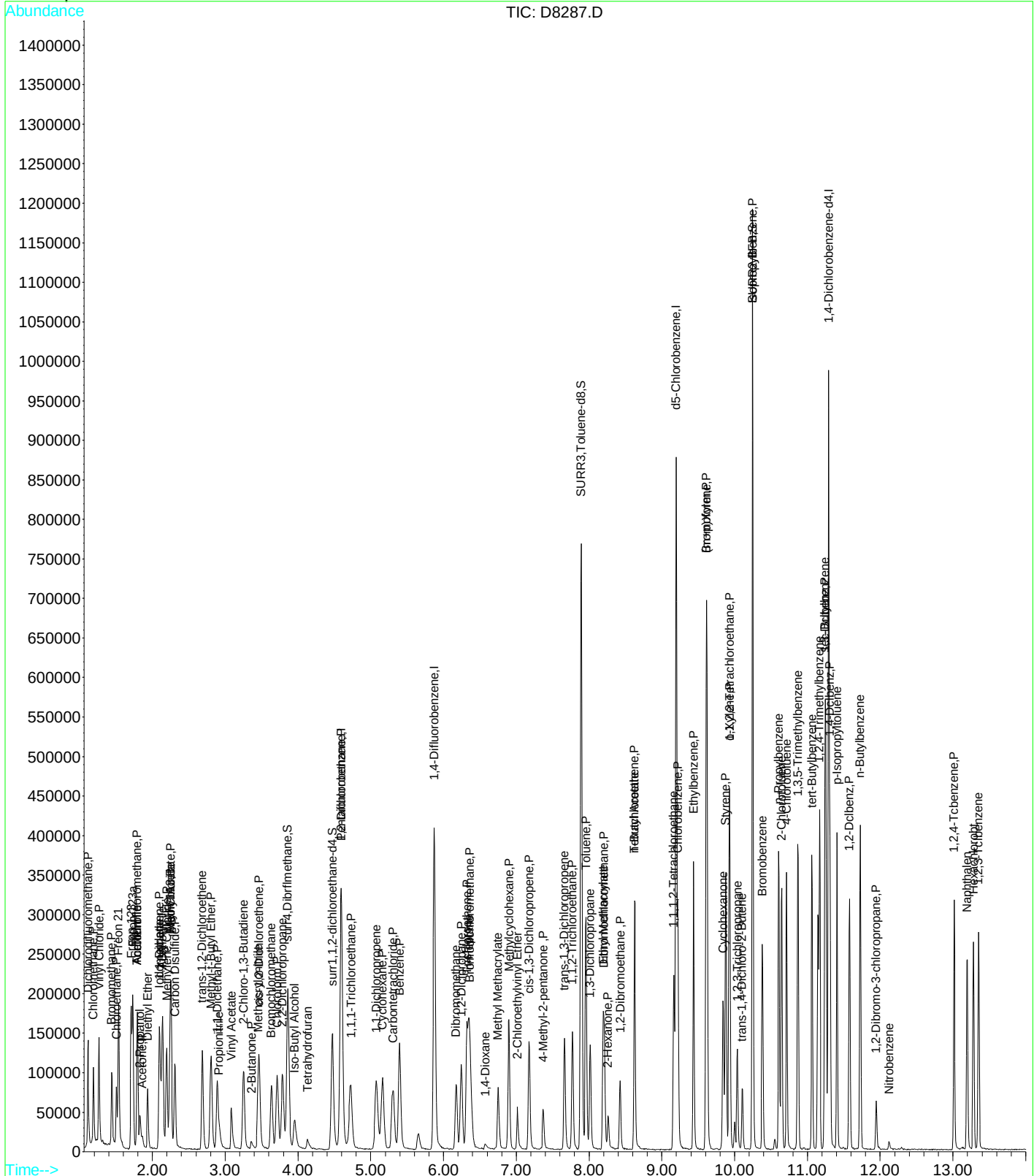
1st **DL** 09/21/17
2nd **FU** 09/22/17

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8287.D
Acq On : 19 Sep 2017 9:38 am
Sample : LCS
Misc : 8260C / 624
MS Integration Params: CPD4.P
Quant Time: Sep 19 11:14 2017

Vial: 6
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: W082417.RES

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS
Last Update : Fri Aug 25 11:23:15 2017
Response via : Initial Calibration



Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8286.D

Vial: 5

Acq On : 19 Sep 2017 9:12 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 9:34 2017

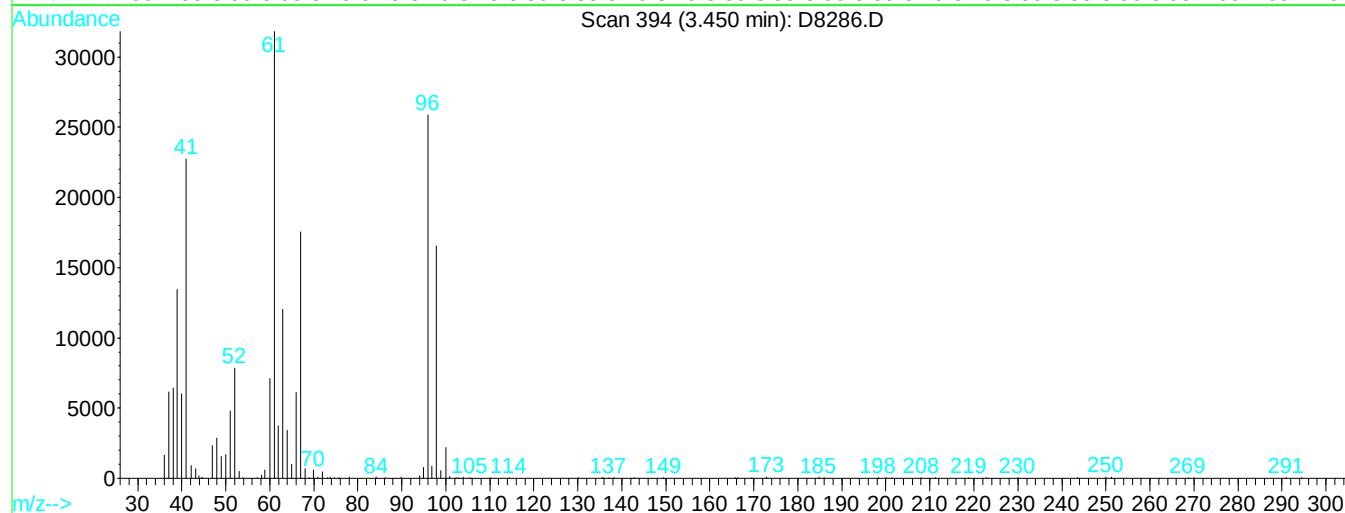
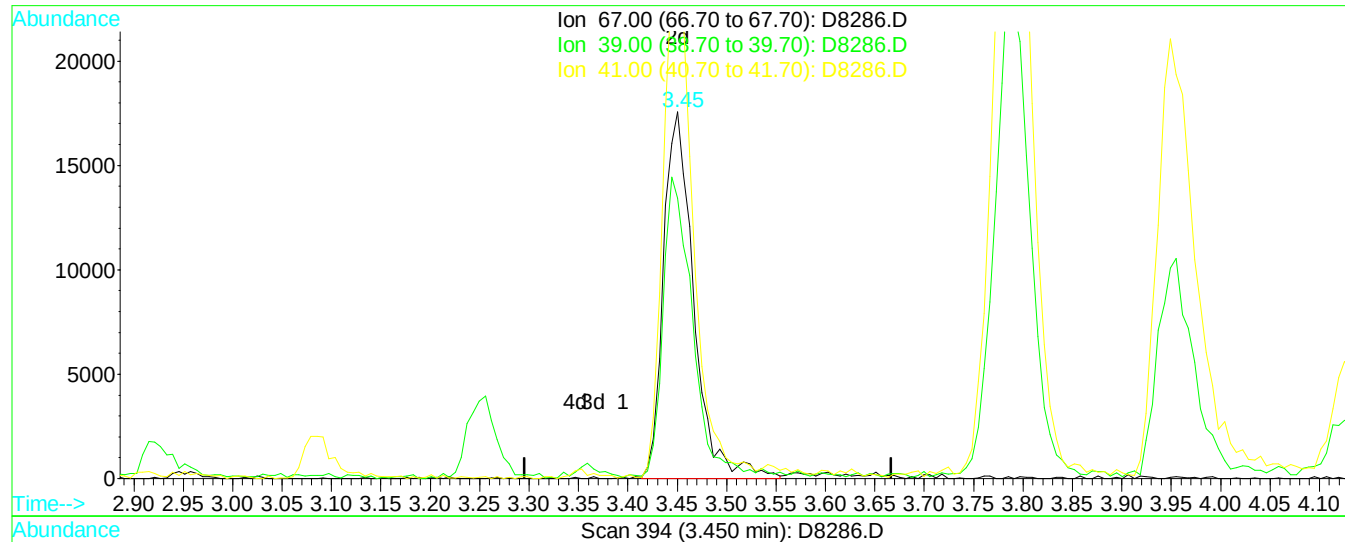
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8286.D

(32) Methacrylonitrile

Manual Integration:

3.45min 55.62ug/L m

After

response 37527

Peak not found.

Ion Exp% Act%

09/19/17

67.00 100 100

39.00 96.70 76.40#

41.00 148.40 129.51

0.00 0.00 0.00

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8286.D

Vial: 5

Acq On : 19 Sep 2017 9:12 am

Operator: D.Lipani

Sample : CCV

Inst : MS#6

Misc : 8260C

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Sep 19 9:29 2017

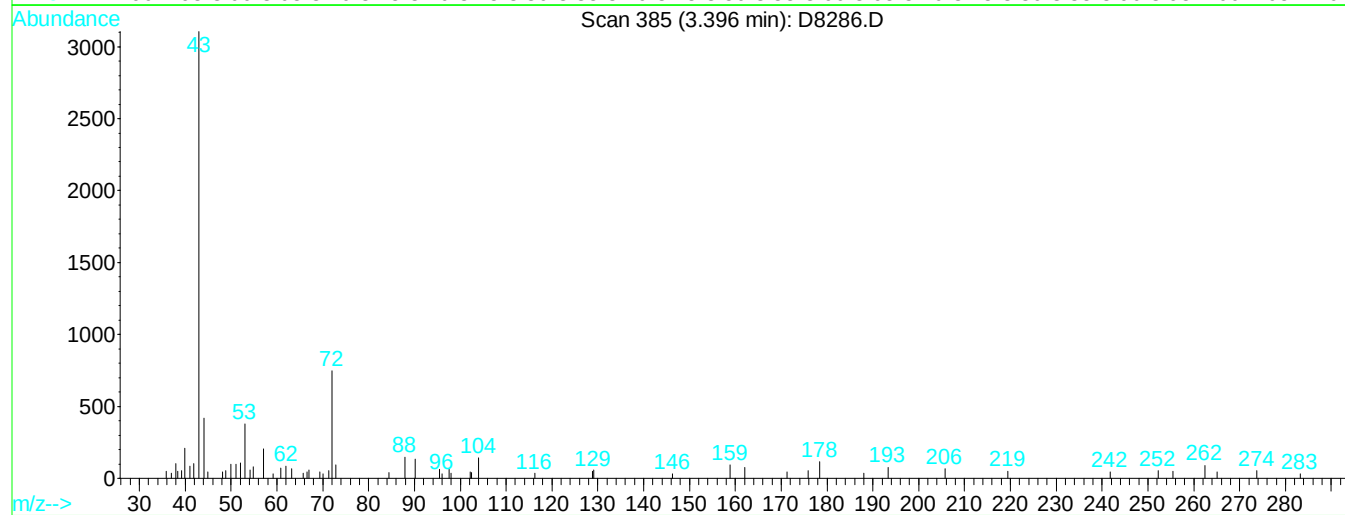
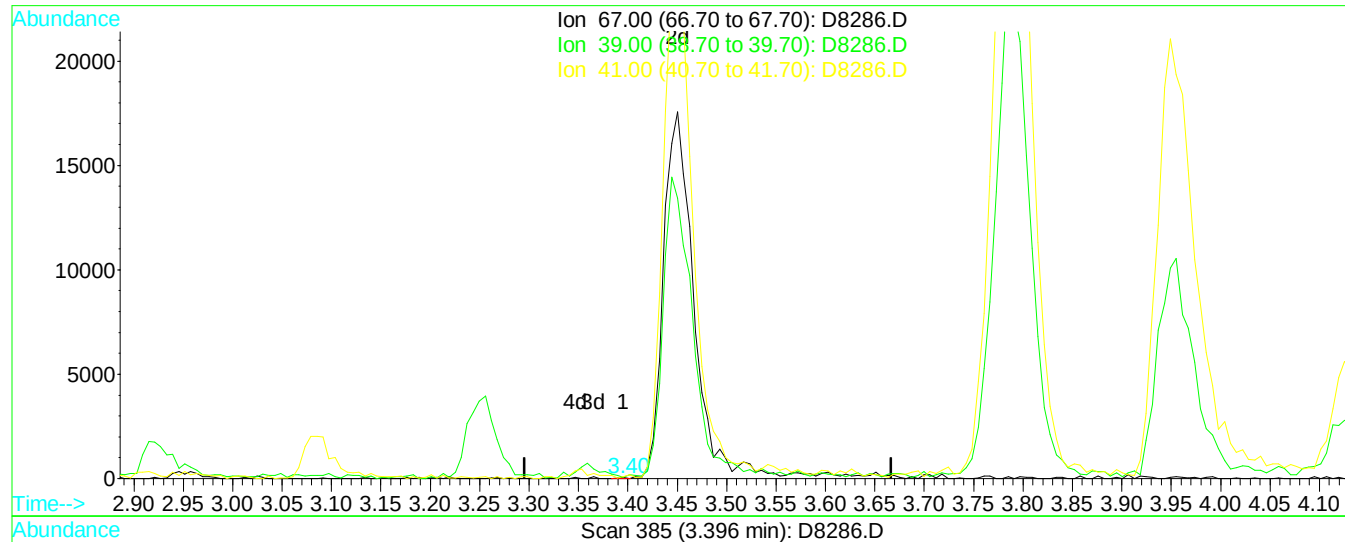
Quant Results File: temp.res

Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)

Title : 8260C / 624 WATERS

Last Update : Fri Aug 25 11:23:15 2017

Response via : Single Level Calibration



TIC: D8286.D

(32) Methacrylonitrile

Manual Integration:

3.40min 0.05ug/L

Before

response 34

Ion	Exp%	Act%
67.00	100	100
39.00	96.70	88.33
41.00	148.40	141.67
0.00	0.00	0.00

09/19/17

Tune File : I:\ACQUDATA\MSV0A6\DATA\091917\D8285.D

Tune Time : 19 Sep 2017 8:46 am

Daily Calibration File : I:\ACQUDATA\MSV0A6\DATA\091917\D8286.D

277028 375638 184968

222554

File	Sample	Surrogate Recovery %				Internal Standard Responses		
D8287.D	LCS	102	96	110	102	281215	386694	187982
				204561				
D8290.D	MET BLK	101	95	112	99	264805	365982	180212
				194295				
D8291.D	R1708737-002	100		96	112	258906	359408	180535
				192938	103			
D8292.D	R1708737-001	100		97	110	262142	358973	179281
				194232	103			
D8293.D	R1708550-004		98	94	111	259337	367222	179230
				196318	99			
D8294.D	R1708659-001	103		95	111	259179	357473	178183
				195009	99			
D8295.D	R1708659-002	101		95	109	255705	358534	174185
				199101	101			
D8296.D	R1708659-003		99	94	112	260368	351903	173308
				192917	99			
D8297.D	R1708603-001		97	95	106	255754	357873	176871
				193873	101			
D8298.D	R1708603-002	102		96	111	257599	352812	172957
				195309	100			
D8299.D	R1708603-003	100		95	111	262408	361024	173996
				194860	100			
D8300.D	R1708745-003		99	95	111	257399	359095	175171
				194173	99			
D8301.D	R1708745-001	100		96	109	257048	351902	167607
				194440	107			
D8302.D	R1708550-001	100		96	108	266039	363651	174988
				195269	100			
D8303.D	R1708550-002		99	92	107	252706	368418	171702
				194618	101			
D8304.D	R1708550-003		97	94	109	254494	361176	174542
				192401	103			
D8305.D	R1708700-006		99	94	109	261183	359860	178060
				191482	98			
D8306.D	R1708700-003	102		99	110	260282	355243	178423
				192677	100			
D8307.D	R1708700-008	101		94	112	248818	351252	173484
				191480	100			
D8308.D	R1708700-009		99	97	111	254704	354838	176044
				174321	99			
D8309.D	R1708700-010	101		96	109	257121	358785	173123
				194541	101			

		189131							

D8310.D	R1708550-003MS	102	94	110	107	276901	377935	185186	
			216525						

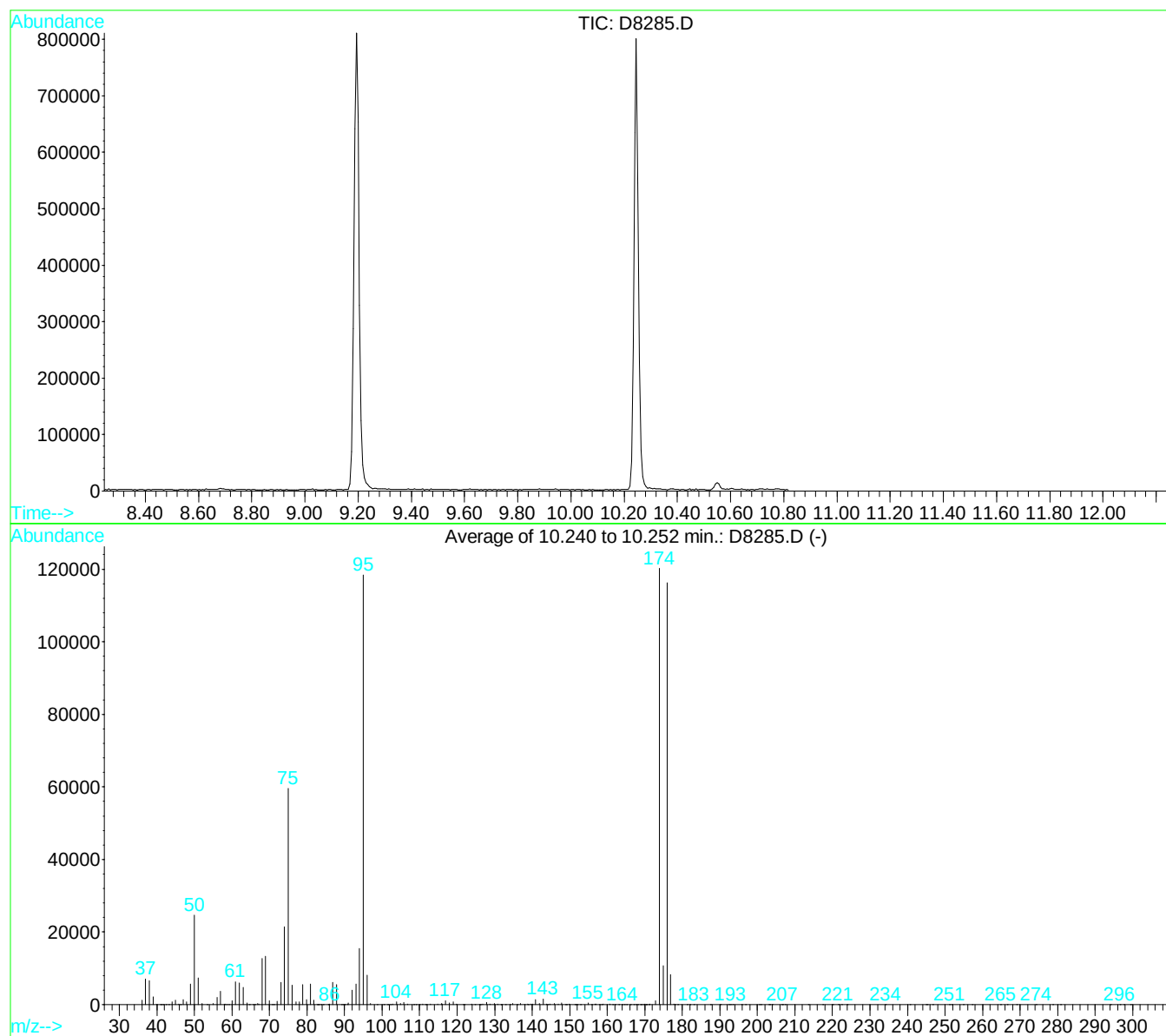
D8311.D	R1708550-003DMS	101	94	109	105	275002	373647	190682	
			216553						

1st *DL* 09/21/17
 2nd *FJ* 09/22/17

t - fails 12hr time check * - fails criteria

Created: Thu Sep 21 17:43:13 2017

Data File : I:\ACQUDATA\MSV0A6\DATA\091917\D8285.D Vial: 4
Acq On : 19 Sep 2017 8:46 am Operator: D.Lipani
Sample : TUNE CHECK Inst : MS#6
Misc : 8260C / 624 Multiplr: 1.00
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSV0A6\METHODS\W082417.M (RTE Integrator)
Title : 8260C / 624 WATERS



AutoFind: Scans 1510, 1511, 1512; Background Corrected with Scan 1504

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	24667	PASS
75	95	30	60	50.3	59581	PASS
95	95	100	100	100.0	118429	PASS
96	95	5	9	6.9	8174	PASS
173	174	0.00	2	0.9	1055	PASS
174	95	50	120	101.5	120197	PASS
175	174	5	9	8.9	10748	PASS
176	174	95	101	96.7	116211	PASS
177	176	5	9	7.1	8291	PASS

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700082
Instrument ID: R-MS-06

Signal ID: 1

#	Lab Code	Sample Name	File Location	Aquisition Date
10	RC1700082-10	STD #1 - 0.5 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7723.D	08/24/2017 09:44
09	RC1700082-09	STD #2 - 1.0 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7724.D	08/24/2017 10:25
08	RC1700082-08	STD #3 - 2.0 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7725.D	08/24/2017 10:53
07	RC1700082-07	STD #4 - 5.0 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7726.D	08/24/2017 11:33
06	RC1700082-06	STD #5 - 20 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7727.D	08/24/2017 12:00
05	RC1700082-05	STD #6 - 50 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7728.D	08/24/2017 12:27
04	RC1700082-04	STD #7 - 100 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7729.D	08/24/2017 13:07
03	RC1700082-03	STD #8 - 150 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7730.D	08/24/2017 13:34
02	RC1700082-02	STD #9 - 200 PPB	I:\ACQUDATA\MSVOA6\DATA\082417\D7731.D	08/24/2017 14:08

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.7749	10	0.500	0.7749	09	1.000	0.7172	09	1.000	0.7172
08	2.000	0.6549	08	2.000	0.6549	07	5.000	0.65	07	5.000	0.65
06	20.000	0.6816	06	20.000	0.6816	05	50.000	0.6043	05	50.000	0.6043
04	100.000	0.6071	04	100.000	0.6071	03	150.000	0.5791	03	150.000	0.5791
02	200.000	0.5645	02	200.000	0.5645						

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	1.000	0.5804	09	1.000	0.5804	08	2.000	0.6021	08	2.000	0.6021
07	5.000	0.539	07	5.000	0.539	06	20.000	0.6016	06	20.000	0.6016
05	50.000	0.5535	05	50.000	0.5535	04	100.000	0.5519	04	100.000	0.5519
03	150.000	0.5216	03	150.000	0.5216	02	200.000	0.5048	02	200.000	0.5048

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.3848	10	0.500	0.3848	09	1.000	0.3808	09	1.000	0.3808
08	2.000	0.3634	08	2.000	0.3634	07	5.000	0.3243	07	5.000	0.3243
06	20.000	0.3498	06	20.000	0.3498	05	50.000	0.3304	05	50.000	0.3304
04	100.000	0.3344	04	100.000	0.3344	03	150.000	0.317	03	150.000	0.317
02	200.000	0.3158	02	200.000	0.3158						

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.616	10	0.500	0.616	09	1.000	0.5665	09	1.000	0.5665
08	2.000	0.6134	08	2.000	0.6134	07	5.000	0.6011	07	5.000	0.6011
06	20.000	0.5926	06	20.000	0.5926	05	50.000	0.5881	05	50.000	0.5881
04	100.000	0.6034	04	100.000	0.6034	03	150.000	0.6027	03	150.000	0.6027
02	200.000	0.5887	02	200.000	0.5887						

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.4083	10	0.500	0.4083	09	1.000	0.3035	09	1.000	0.3035
08	2.000	0.3079	08	2.000	0.3079	07	5.000	0.319	07	5.000	0.319

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700082
Instrument ID: R-MS-06

Signal ID: 1

Analyte

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	20.000	0.3262	06	20.000	0.3262	05	50.000	0.3119	05	50.000	0.3119
04	100.000	0.3218	04	100.000	0.3218	03	150.000	0.3123	03	150.000	0.3123
02	200.000	0.3073	02	200.000	0.3073						

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.6011	10	0.500	0.6011	09	1.000	0.5808	09	1.000	0.5808
08	2.000	0.6636	08	2.000	0.6636	07	5.000	0.5687	07	5.000	0.5687
06	20.000	0.6044	06	20.000	0.6044	05	50.000	0.5767	05	50.000	0.5767
04	100.000	0.6162	04	100.000	0.6162	03	150.000	0.6589	03	150.000	0.6589
02	200.000	0.6245	02	200.000	0.6245						

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	1.000	0.4352	09	1.000	0.4352	08	2.000	0.3988	08	2.000	0.3988
07	5.000	0.3758	07	5.000	0.3758	06	20.000	0.4057	06	20.000	0.4057
05	50.000	0.3835	05	50.000	0.3835	04	100.000	0.3862	04	100.000	0.3862
03	150.000	0.3776	03	150.000	0.3776	02	200.000	0.3727	02	200.000	0.3727

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.3799	10	0.500	0.3799	09	1.000	0.4339	09	1.000	0.4339
08	2.000	0.3451	08	2.000	0.3451	07	5.000	0.3729	07	5.000	0.3729
06	20.000	0.3858	06	20.000	0.3858	05	50.000	0.3501	05	50.000	0.3501
04	100.000	0.3577	04	100.000	0.3577	03	150.000	0.346	03	150.000	0.346
02	200.000	0.332	02	200.000	0.332						

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	1.015	05	50.000	1.015	08	60.000	0.8919	08	60.000	0.8919
07	70.000	0.9273	07	70.000	0.9273	06	100.000	0.8613	06	100.000	0.8613
04	125.000	0.9428	04	125.000	0.9428	03	150.000	0.9808	03	150.000	0.9808

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	0.3721	05	50.000	0.3721	08	60.000	0.363	08	60.000	0.363
07	70.000	0.3629	07	70.000	0.3629	06	100.000	0.3408	06	100.000	0.3408
04	125.000	0.3559	04	125.000	0.3559	03	150.000	0.3569	03	150.000	0.3569

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	1.109	05	50.000	1.109	08	60.000	1.077	08	60.000	1.077
07	70.000	1.04	07	70.000	1.04	06	100.000	0.9732	06	100.000	0.9732
04	125.000	0.9457	04	125.000	0.9457	03	150.000	0.9299	03	150.000	0.9299

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700082

Signal ID: 1

Instrument ID: R-MS-06

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	10.5	≤20	0.6482	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	6.4	≤20	0.5569	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.7	≤20	0.3445	0.100
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	2.5	≤20	0.597	0.200
Trichloroethene (TCE)	TRG	Average RF	% RSD	10.0	≤20	0.3242	0.200
Vinyl Chloride	TRG	Average RF	% RSD	5.6	≤20	0.6105	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	5.3	≤20	0.3919	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	8.4	≤20	0.367	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.0	≤20	0.9365	
Dibromofluoromethane	SURR	Average RF	% RSD	2.9	≤20	0.3586	
Toluene-d8	SURR	Average RF	% RSD	7.3	≤20	1.012	

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dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton

Service Request: R1708700
Calibration Date: 8/24/2017

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC1700082
Instrument ID: R-MS-06

Signal ID: 1

#	Lab Code	Sample Name	File Location	Aquisition Date
01	RC1700082-01	ICV	I:\ACQDATA\MSVOA6\DATA\082417\D7735.D	08/24/2017 16:05

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	48.4	6.482E-1	6.274E-1	-3.202	±30	Average RF
1,1,1-Trichloroethane (TCA)	50.0	48.4	6.482E-1	6.274E-1	-3.202	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.2	5.569E-1	5.594E-1	0.449	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.2	5.569E-1	5.594E-1	0.449	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.2	3.445E-1	3.181E-1	-7.673	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.2	3.445E-1	3.181E-1	-7.673	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.3	5.97E-1	6.124E-1	2.59	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.3	5.97E-1	6.124E-1	2.59	±30	Average RF
Trichloroethene (TCE)	50.0	50.5	3.242E-1	3.274E-1	0.976	±30	Average RF
Trichloroethene (TCE)	50.0	50.5	3.242E-1	3.274E-1	0.976	±30	Average RF
Vinyl Chloride	50.0	57.6	6.105E-1	7.037E-1	15.25	±30	Average RF
Vinyl Chloride	50.0	57.6	6.105E-1	7.037E-1	15.25	±30	Average RF
cis-1,2-Dichloroethene	50.0	50.2	3.919E-1	3.935E-1	0.407	±30	Average RF
cis-1,2-Dichloroethene	50.0	50.2	3.919E-1	3.935E-1	0.407	±30	Average RF
trans-1,2-Dichloroethene	50.0	46.8	3.67E-1	3.437E-1	-6.355	±30	Average RF
trans-1,2-Dichloroethene	50.0	46.8	3.67E-1	3.437E-1	-6.355	±30	Average RF
4-Bromofluorobenzene	50.0	54.2	9.365E-1	1.015E0	8.38	±30	Average RF
4-Bromofluorobenzene	50.0	54.2	9.365E-1	1.015E0	8.38	±30	Average RF
Dibromofluoromethane	50.0	52.0	3.586E-1	3.728E-1	3.95	±30	Average RF
Dibromofluoromethane	50.0	52.0	3.586E-1	3.728E-1	3.95	±30	Average RF
Toluene-d8	50.0	55.1	1.012E0	1.115E0	10.16	±30	Average RF
Toluene-d8	50.0	55.1	1.012E0	1.115E0	10.16	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700
Date Analyzed: 09/19/17 09:12

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\MSVOA6\DATA\091917\D8286.D\

Calibration Date: 8/24/2017
Calibration ID: RC1700082
Analysis Lot: 562155
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	50.2	0.6482	0.651	0.4	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	55.3	0.5569	0.6154	10.5	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	54.9	0.3445	0.3784	9.8	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.8	0.597	0.5951	-0.3	NA	±20	Average RF
Trichloroethene (TCE)	50.0	50.9	0.3242	0.3304	1.9	NA	±20	Average RF
Vinyl Chloride	50.0	52.6	0.6105	0.6417	5.1	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	57.0	0.3919	0.447	14.0	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	53.8	0.367	0.395	7.6	NA	±20	Average RF
4-Bromofluorobenzene	50.0	54.2	0.9365	1.0142	8.3	NA	±20	Average RF
Dibromofluoromethane	50.0	50.4	0.3586	0.3612	0.7	NA	±20	Average RF
Toluene-d8	50.0	55.7	1.0124	1.1269	11.3	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request: R1708700

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analysis Lot: 562155
Instrument ID: R-MS-06

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA6\DATA\091917\8285.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	08:46:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8286.D\	Continuing Calibration Verification	RQ1709591-02	9/19/2017	09:12:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8287.D\	Lab Control Sample	RQ1709591-03	9/19/2017	09:38:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8290.D\	Method Blank	RQ1709591-04	9/19/2017	10:56:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8291.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	11:22:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8292.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	11:48:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8293.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	12:14:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8294.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	12:48:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8295.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	13:14:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8296.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	13:40:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8297.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	14:07:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8298.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	14:33:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8299.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	14:59:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8300.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	15:25:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8301.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	15:51:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8302.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	16:17:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8303.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	16:43:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8304.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	17:09:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8305.D\	MW-11	R1708700-006	9/19/2017	17:35:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8306.D\	MW-9	R1708700-003	9/19/2017	18:01:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8307.D\	MW-17	R1708700-008	9/19/2017	18:27:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8308.D\	MW-8	R1708700-009	9/19/2017	18:53:00	
I:\ACQUDATA\MSVOA6\DATA\091917\8309.D\	MW-16	R1708700-010	9/19/2017	19:18:00	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover-Binghamton/5101.0003

Service Request:R1708700

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C**Analysis Lot:**562155**Instrument ID:**R-MS-06

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA6\DATA\091917\D8310.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	19:44:00	
I:\ACQUDATA\MSVOA6\DATA\091917\D8311.D\	ZZZZZZZ	ZZZZZZZ	9/19/2017	20:10:00	

Analysis: 8260C/624 Analyst: R. Anderson pH strips: Hydrien 206717 Tune Method: W082417.M
 Date: 09/19/17 Balance ID: _____ ResCI strips: HF 033117L Run Method: ✓
 Instr: GCM5#6 50 mL Class A used for dilution FV Syringes: 181116 (10uL) LIMS Run#: 562155

Data Path: j:\acq\data\msv\oa4\instid\ (Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							D8284	Y	
2	Tune Check		(Run as a BLK)					85	Y	
3	CCV							86	Y	acetone MeAc exceptions
4	LCS							87	Y	
5	Met BLK							88	N	
6	Met BLK							89	N	
7	Met BLK		Residual Chlorine					D8290	Y	
8	R1708737-002	1.0	(624)	neg	11851	II	-1	6	Y	
9	✓ -001	1.0	✓	neg	8043	IV	-1	6	Y	
10	R1708550-004	1.0	(8260C)		6656	III	-1	<2	Y	
11	R1708659-001	1.0					-1	<2	Y	
12	✓ -002	1.0					-1	<2	Y	
13	✓ -003	1.0					-1	<2	Y	
14	R1708603-001	1.0			6813	II	-1	<2	Y	
15	✓ -002	1.0					-1	<2	Y	
16	✓ -003	1.0	✓ T.B.				-1	<2	Y	
17	R1708745-003	1.0	(624)	neg	13189	II	-1	6	Y	
18	✓ -001	1.0					-1	6	Y	
19	R1708550-001	100	(8260C) 1.0mL/100mL		8043	IV	-2	6	Y	weak but "PL"
20	✓ -002	100	1.0mL/100mL				-2	8	Y	
21	✓ -003	50	1.0mL/50mL				-4	<2	Y	
22	R1708700-006	10	5.0mL/50mL		7979	IV	-1	7	Y	DL + QC
23	✓ -003	1.0					-1	7	Y	weak but samp. is dark purple, foamy
24	✓ -008	1.0					-1	7	Y	→ cannot do pH, sample turns paper purple
25	✓ -009	1.0					-1	6	Y	
26	✓ -010	1.0					-1	6	Y	
27	R1708550-003MS	50	1.0mL/50mL		8043	IV	-5	<2	Y	MS/BMS
28	✓ -003DMS	50	✓				-6	<2	Y	183878 5.0mL into
29	BLK		EOD PL 9-19-17					11	Y	183623 5.0mL { 50mL sample
								12	Y	184000 12.5mL } dilution.

All samples = 5.0 mL + 1.0 uL combined IS/Surr. 5.0 mL purged

Primary TG : 184032 5.0mL / 50mL DI
 Primary HSL : 183838
 Primary Fr+ : 183932 ✓ = CCV.
 Primary
 Secondary TG : 183878 2.0mL / 50mL DI
 Secondary HSL : 183623 2.0mL / 50mL DI
 Secondary Fr+ : 184000 5.0mL / LCS
 Secondary
 Combined IS/Surr 250 : 1835738
 Surrogate
 Internal Std
 Reagents:

Appendix C



ACTIVE SUB-SLAB DEPRESSURIZATION (ASD) INSPECTION LOG
Former Dover Electronics Site, Binghamton, NY (5101.0003)

Date	Time	System On? (Y/N)	E-1	E-2	E-3	E-4	Comments
			Vacuum	Vacuum	Vacuum	Vacuum	
1/13/2016	8:10	Y	2.75	2.63	0.19	2.50	
2/9/2016	8:05	Y	3.13	3.00	0.25	3.00	
3/17/2016	8:02	Y	3.25	3.25	0.25	2.88	
4/14/2016	8:30	Y	3.25	3.25	0.38	3.00	
5/3/2016	8:28	Y	3.25	3.38	0.25	3.00	Brad Bates has been escorting us for the past 3 months
6/23/2016	8:30	Y	3.38	3.25	0.25	3.00	
7/21/2016	8:30	Y	3.38	3.25	0.38	3.13	
8/18/2016	8:30	Y	3.50	3.13	0.25	2.88	
9/29/2016	8:30	Y	3.50	3.13	0.13	3.00	
10/20/2016	8:30	Y	3.50	3.38	0.13	3.00	
11/17/2016	8:30	Y	3.50	3.38	0.13	3.00	
12/16/2016	13:40	Y	3.00	2.75	0.13	1.50	
1/10/2017	10:00	Y	3.50	3.00	0.13	2.75	
2/23/2017	8:00	Y	3.12	3.00	0.13	2.88	Tim Williams escorted Verina
3/22/2017	9:40	Y	3.25	3.00	0.13	2.75	Eric escorted Verina
4/13/2017	8:00	Y	3.50	3.13	0.13	3.13	Eric escorted Verina
5/11/2017	8:00	Y	3.25	3.13	0.13	2.88	
6/21/2017	8:20	Y	3.25	3.13	0.25	3.13	David escorted Verina
7/13/2017	7:50	Y	3.33	3.13	0.25	3.00	Eric escorted Verina
8/25/2017	8:00	Y	3.50	3.25	0.25	3.00	Eric escorted Verina
9/15/2017	8:00	Y	3.33	3.25	0.25	2.88	Eric escorted Verina
11/17/2017	8:00	Y	3.50	3.13	0.13	3.13	Eric escorted Verina
12/13/2017	9:00	N	--	--	--	--	System on and off, fan may have been damaged during power outage week prior