



2023 PERIODIC REVIEW REPORT

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



Verina Engineering, P.C.
1011 U.S. Highway 22, Suite 302
Bridgewater, New Jersey 08807

January 2024

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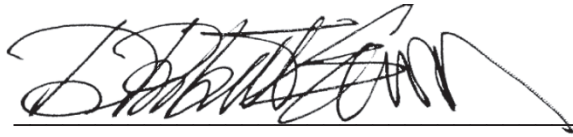
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CERTIFICATION

I, D. Robert Gan, Ph.D., P.E., certify that I am currently a NYS registered professional engineer and that this Periodic Review Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with DER Technical Guidance for Site Investigation (DER-10) and DER Green Remediation (DER-31) and that all activities were performed in full accordance with the DER-approved work plan and DER-approved modifications.



D. Robert Gan, Ph.D., P.E.
NYS Professional Engineer License # 080825



INTRODUCTION

On behalf of Dover Corporation (Dover), Verina Engineering, PC (VERINA) has prepared this Periodic Review Report (PRR) to summarize the site activities implemented in 2023 at the former Binghamton Plastics site in Binghamton, Broome County, New York, New York State Department of Conservation (NYSDEC) Site No. 7-04-024.

The activities implemented in 2023 include:

- Semi-annual groundwater monitoring and sampling; 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 the NYSDEC-approved Site Management Plan (SMP), dated April 14, 2017.

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 is the regional site location map. 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 at the site in the early 1990s. In 1993 Dover Electronics was separated from Dover and re-named Dovatron, Inc. In 1996, Dovatron, Inc. 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 remediate 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 but 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. Based upon a comparison of the March and September 2017 groundwater data, elevated levels of COCs in groundwater were still observed within several site monitoring wells and therefore VERINA continued the quarterly manual injection schedule in 2018. With NYSDEC's approval, the sodium permanganate injections were suspended in 2019 due to the decreases observed in COC concentrations since the remedial action was implemented in June 2009. Then, starting in March 2022, monthly sodium permanganate injections were reinstated for the site per NYSDEC request.

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.

The Declaration of Covenants and Restrictions for the property was recorded with the Broome County, State of New York on February 24, 2017. The SMP, dated April 14, 2017, was submitted to NYSDEC. The NYSDEC subsequently used an e-mail notification as the approval of the SMP on December 4, 2019.

2023 GROUNDWATER REMEDIATION AND MONITORING PROGRAM

GROUNDWATER REMEDIATION

VERINA continued the ISCO remediation program at the site in 2023 via manual injections. Manual injections occurred on a monthly basis at wells MW-8, MW-9, MW-10, MW-11, MW-16 and MW-17 utilizing a 10% sodium permanganate solution, as needed. Those wells which had exhibited a purple or pink color to their water were considered to have residual ISCO solution existing in that well and were not injected into, whereas those wells which had exhibited a clear water color were considered to be free of residual ISCO solution and were injected into. A approximate target volume of 5 gallons was injected into each well with a clear water color during the monthly injection events in 2023. A total of 142.5 gallons of ISCO injection solution were injected at the site in 2023. The monthly manual injection log is provided in Appendix A.

GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring events were conducted semi-annually in 2023 to monitor site groundwater conditions and to assess the effectiveness of the ISCO injection program to remediate COCs at the site. The first groundwater sampling event was conducted on March 16, 2023, and the second groundwater sampling event was conducted on September 11, 2023.

Prior to each sampling event, the depth to groundwater was measured from all accessible monitoring wells (DMW-3, DMW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, 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 water level meter equipped with a stainless-steel probe and measuring tape graduated in units of 0.01 foot. Groundwater elevation measurements from March 2023 and September 2023 are summarized in Tables 1 and 2, respectively. A map showing the perched groundwater elevation isocontours and groundwater flow direction is on Figure 3 for the March 2023 event and on Figure 4 for the September 2023 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 2023. In addition to these wells, monitoring wells TMP-A, DMW-3, MW-11, and MW-13 were also included during the September 2023 sampling event. Groundwater sampling was conducted using low-flow methodology and groundwater quality parameters, including pH, dissolved oxygen (DO), conductivity, temperature, turbidity, and oxidation-reduction potential (ORP), were measured via a multi-parameter 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 2023 sampling event, monitoring wells MW-8, MW-10, MW-16, and MW-17 exhibited residual permanganate and monitoring wells MW-8, MW-9, MW-11, MW-16, and MW-17 exhibited residual permanganate during the September 2023 sampling event. These wells were analyzed for residual sodium permanganate concentration in the field 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 quality assurance/quality control (QA/QC) procedures, one trip blank, 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).

GROUNDWATER ELEVATION AND FLOW DIRECTIONS

The groundwater elevation data from March and September 2023 are summarized in Tables 1 and 2, respectively. The groundwater elevation contour map for the March and September 2023 events are provided as Figure 3 and Figure 4, respectively.

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

GROUNDWATER MONITORING ANALYTICAL RESULTS

The groundwater analytical data for the March and September 2023 monitoring events are summarized in Tables 4 and 5, respectively. The historical distribution of SSPL VOCs, including pre-full scale ISCO injection initiation sampling results, is summarized in Table 6. An isoconcentration map comparing the total molar concentration of PCE and its daughter products as chloride equivalents from June 2009, prior to the start of injection at the site, at the midpoint of injections in September 2015, and the plume as of September 2022 and September 2023 is presented on 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 on Figure 6.

The groundwater sampling field logs for both the March and September 2023 sampling events are provided in Appendix B. The complete laboratory data reports for the groundwater sampling events are presented in Appendix C. The electronic data deliverables (EDDs) for each groundwater sampling event have previously been submitted to the NYSDEC.

Based on the information collected during 2023 semi-annual groundwater monitoring events, VERINA makes the following conclusions:

- In comparing the September 2023 to the June 2009 total molar concentration of PCE and its daughter products, the plume size of the highest molar concentration as chloride equivalents observed within the source zone near MW-8, MW-11 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. Over 98% mass reduction of COCs in groundwater was estimated since the ISCO injection was implemented in 2009.
- In comparing the September 2022 and September 2023 contaminant concentrations and plume maps, decreases in COC concentrations were noted in all wells.
- Several COCs were detected above their respective NYSDEC groundwater quality standards in wells MW-8, MW-9, MW-16 and MW-17 during the March 2023 sampling event. These COCs consist of 1,1-DCA, cis-1,2-DCE, and/or TCE.
- Several COCs were detected above their respective NYSDEC groundwater quality standards in wells MW-8, MW-10, MW-16 and MW-17 during the September 2023 sampling event. These COCs consist of 1,1-DCA, cis-1,2-DCE, and/or TCE.
- PCE was not detected above its NYSDEC groundwater quality standard in any of the monitoring wells sampled in 2023.
- The continuation of sodium permanganate injections in 2023 reduced the residual COC concentrations at the site when comparing September 2022 and September 2023 sampling results.
- The COCs continue to be remediated at the site and decreasing trends are observed in all monitoring locations.

ACTIVE SUB-SLAB DEPRESSURIZATION (ASD) SYSTEM OM&M

ASD SYSTEM INSPECTIONS

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. 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 be 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 PRR. NYSDEC approved the PRR on August 1, 2014.

In December 2017, the ASD system fan was found to not be operating constantly but rather intermittently, which was believed to have been caused by a recent power outage of the site building. The ASD system fan was replaced on January 3, 2018 and the system has been operating continuously. VERINA collected a round of indoor air samples in March 2018 which indicated that no site-specific COC concentrations in the indoor air samples exceeded the NYSDOH's Indoor Air Guidance Values.

During 2023, monthly inspections of the ASD system were implemented. No structural changes were noted in 2023 and the ASD system operated normally month to month. The pressure gauge measurements at each of the four vapor extraction points which were collected monthly. The monthly ASD inspection logs are included as Appendix D.

CONCLUSIONS AND RECOMMENDATIONS

Based on the findings and conclusions of the groundwater monitoring program, field observations 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, and MW-13 during several of the recent sampling events.
- A comparison of the 2023 groundwater sampling results to the historical baseline sampling results indicates that the total VOC mass in the groundwater at the site has decreased by 98% since the remedial action was implemented in June 2009.
- The 2023 groundwater monitoring results indicated several COCs still exceed their respective NYSDEC groundwater quality standards, including 1,1-DCA, cis-1,2-DCE and TCE in wells MW-8, MW-9, MW-10, MW-16 and/or MW-17 during the September 2023 sampling event.
- The groundwater plume has been contained at the site and concentrations of COCs within the site groundwater plume continue to decrease.

Based on these conclusions, we recommend the following:

- Based on the historical analytical results for COCs at the site, VERINA proposes to reduce the sampling frequency from semi-annually to annually in September 2024 and samples to be collected from all on-site monitoring wells.
- Based upon the analytical results of the groundwater sampling program in 2023, VERINA recommends suspending the chemical injections at the site in 2024. VERINA will continue to assess the groundwater data in 2024 to determine if additional chemical injections may be needed in the future.
- Based on observations made during the 2023 monthly injection events and groundwater monitoring event, the following wells were noted to need repair or redevelopment:
 - Well MW-9 is missing the manhole cover that is found at ground level. VERINA recommends replacing the entire manhole and pad, if needed, at this well.
 - Well MW-11, which has been used for injections, has a very slow recharge rate. If NYSDEC requests that injections continue in 2024, VERINA recommends redeveloping this well for injection purposes.
- VERINA will continue monthly inspections of the ASD system in 2024.

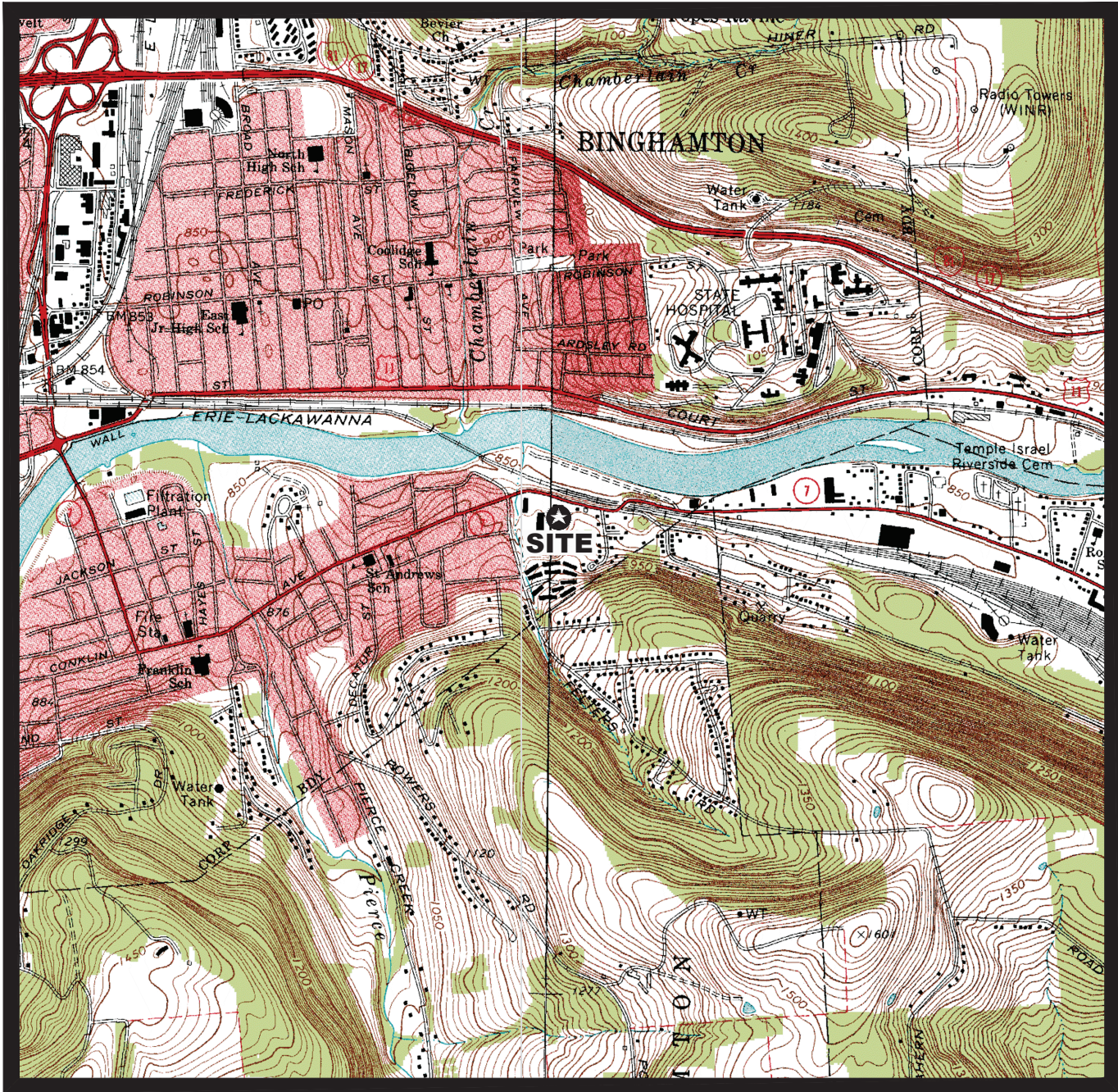
The next PRR documenting site activities completed for 2024 along with IC/EC Certification will be submitted to the NYSDEC in January 2025.

REFERENCES

Blasland, Bouck, & Lee, Inc. (BBL). June 2002. *Remedial Design Package: Universal Instruments Corporation, Binghamton, New York.*

Verina Engineering, P.C. (VERINA). May 2012. *Remedial Design Work Plan – Active Sub-slab Depressurization System.*

Figures



WEST BINGHAMTON AND
EAST BINGHAMTON QUADRANGLES
7.5-MINUTE SERIES



FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

REGIONAL LOCATION MAP





EXPLANATION

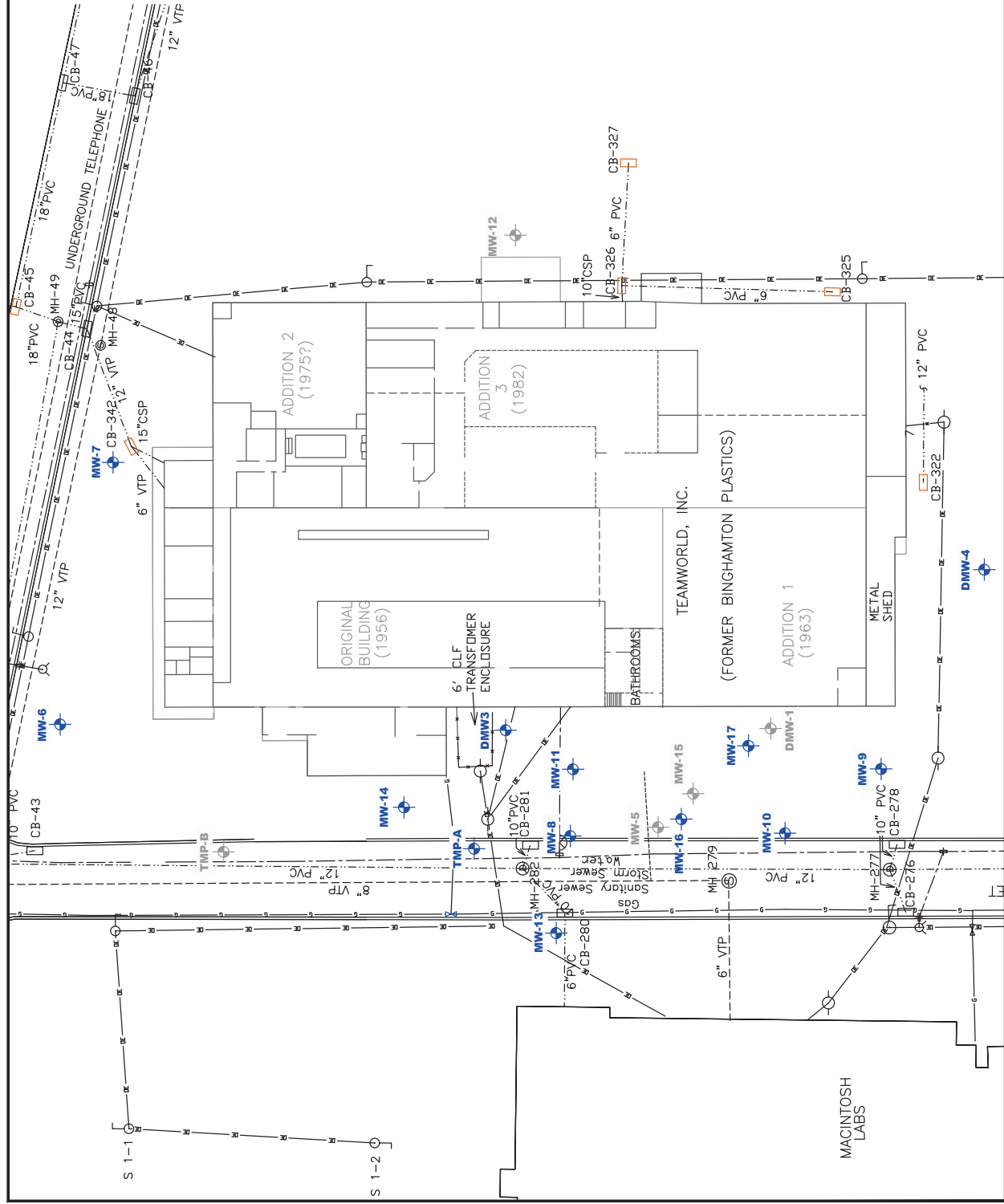
- MW-6** DESIGNATION AND LOCATION OF MONITORING WELL
- TMP-B** DESIGNATION AND LOCATIONS OF REMOVED/ABANDONED WELLS
- UTILITY POLE
- UTILITY POLE W/LIGHT
- ⊙ STORM MANHOLE
- CATCH BASIN
- ⊗ SANITARY MANHOLE
- ⊕ POST INDICATOR VALVE
- ⊘ HYDRANT
- ⊕ WATER VALVE
- ⊕ GAS VALVE
- FORMER WALL

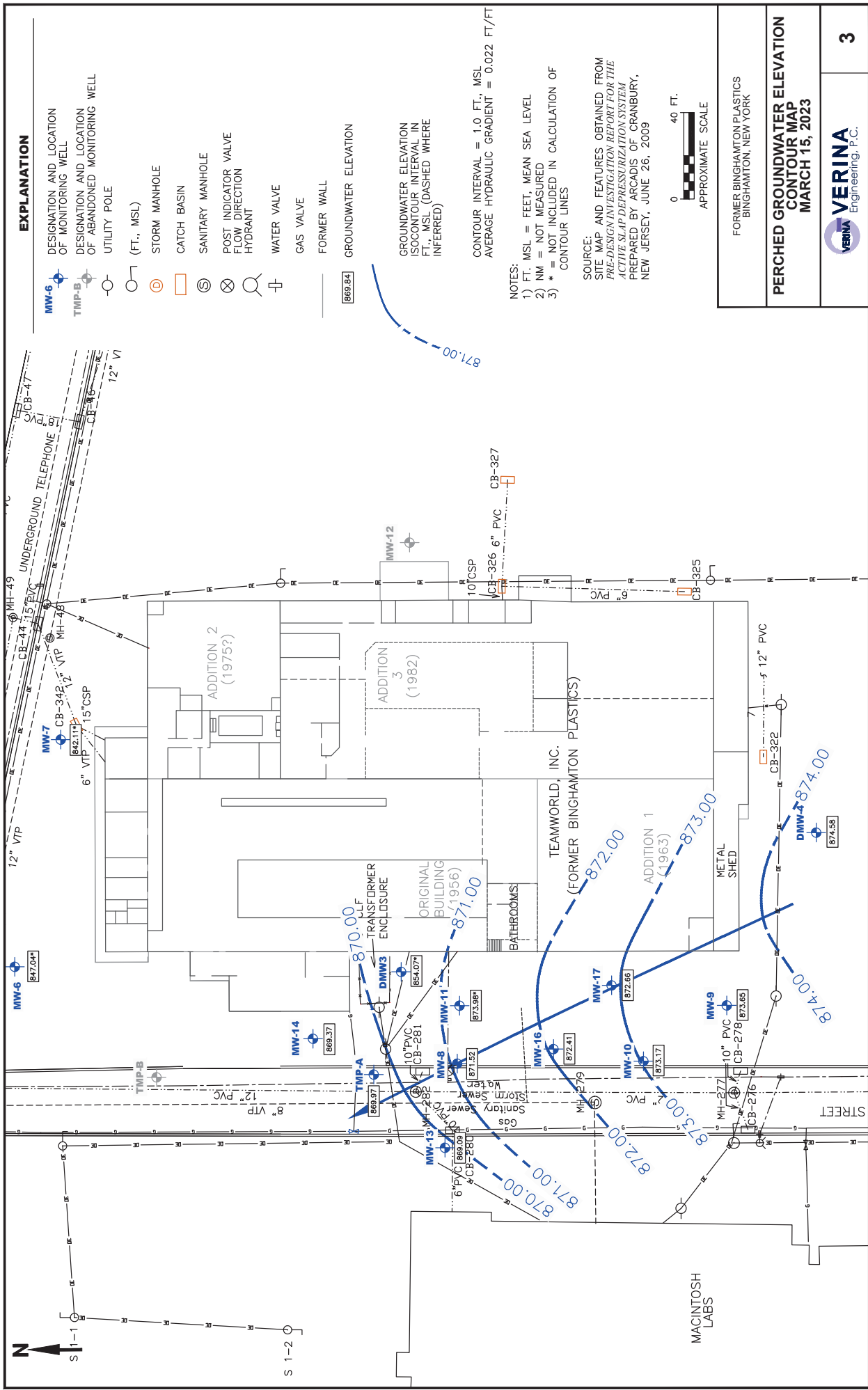
SOURCE: SITE MAP AND FEATURES OBTAINED FROM PRE-DESIGN INVESTIGATION REPORT FOR THE ACTIVE SLAP DEPRESSURIZATION SYSTEM PREPARED BY ARGADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009



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 ABANDONED 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

GROUNDWATER ELEVATION ISOCONTOUR INTERVAL IN FT., MSL (DASHED WHERE INFERRED)

CONTOUR INTERVAL = 1.0 FT., MSL
 AVERAGE HYDRAULIC GRADIENT = 0.022 FT/FT

- NOTES:
- 1) FT. MSL = FEET, MEAN SEA LEVEL
 - 2) NM = NOT MEASURED
 - 3) * = NOT INCLUDED IN CALCULATION OF CONTOUR LINES

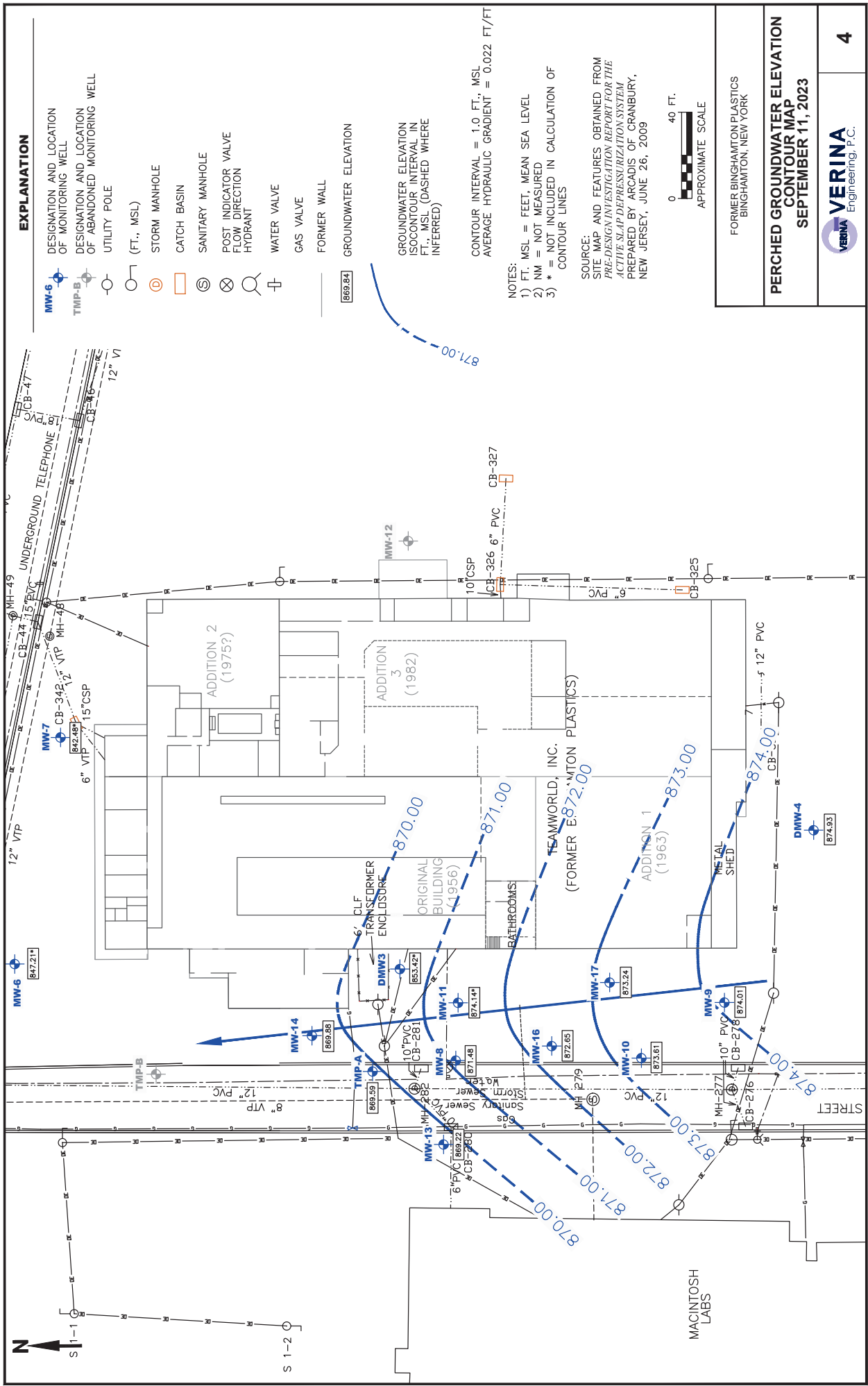
SOURCE:
 SITE MAP AND FEATURES OBTAINED FROM
 PRE-DESIGN INVESTIGATION REPORT FOR THE
 ACTIVE SLAB DEPRESSURIZATION SYSTEM
 PREPARED BY ARCADIS OF CRANBURY,
 NEW JERSEY, JUNE 26, 2009



FORMER BINGHAMTON PLASTICS
 BINGHAMTON, NEW YORK

**PERCHED GROUNDWATER ELEVATION
 CONTOUR MAP
 MARCH 15, 2023**

VERINA
 Engineering, P.C.



EXPLANATION

- DESIGNATION AND LOCATION OF MONITORING WELL
- DESIGNATION AND LOCATION OF ABANDONED MONITORING WELL
- UTILITY POLE
- (FT., MSL)
- STORM MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- POST INDICATOR VALVE
- FLOW DIRECTION
- HYDRANT
- WATER VALVE
- GAS VALVE
- FORMER WALL
- GROUNDWATER ELEVATION

GROUNDWATER ELEVATION ISOCONTOUR INTERVAL IN FT., MSL (DASHED WHERE INFERRED)

CONTOUR INTERVAL = 1.0 FT., MSL
AVERAGE HYDRAULIC GRADIENT = 0.022 FT./FT

- NOTES:
- 1) FT. MSL = FEET, MEAN SEA LEVEL
 - 2) NM = NOT MEASURED
 - 3) * = NOT INCLUDED IN CALCULATION OF CONTOUR LINES

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

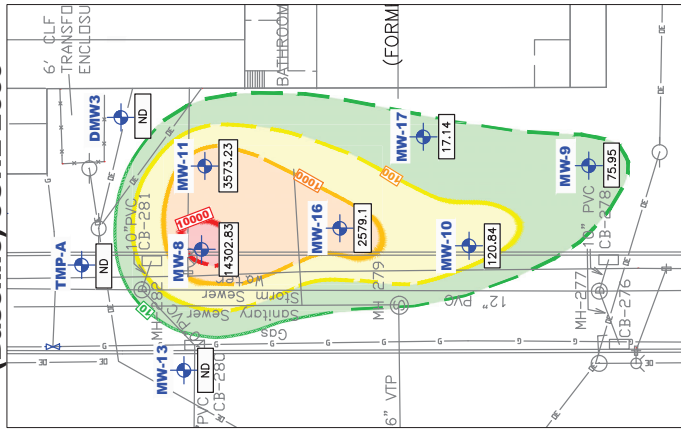


FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

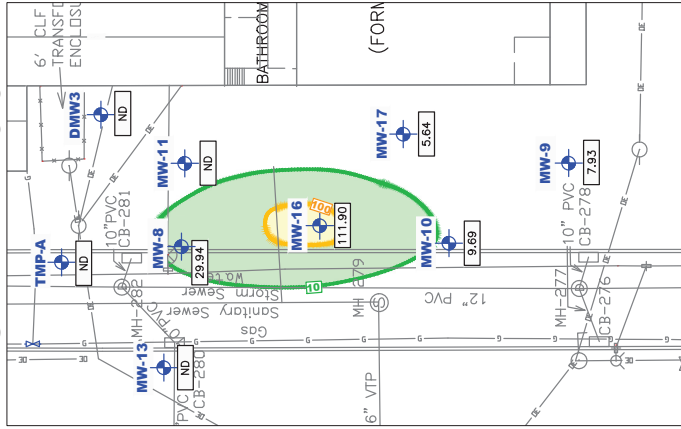
PERCHED GROUNDWATER ELEVATION CONTOUR MAP
SEPTEMBER 11, 2023



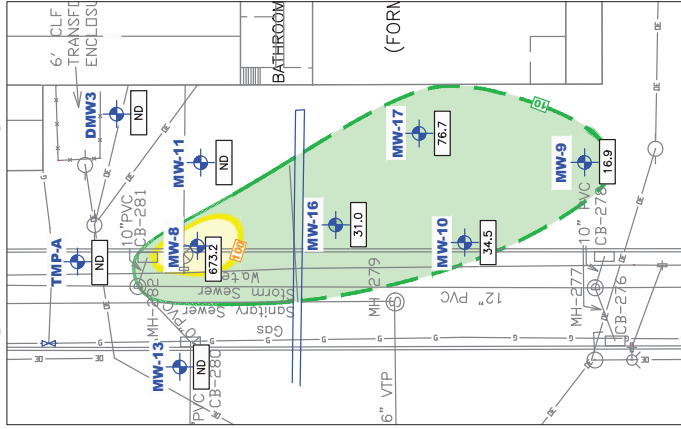
(Baseline) JUNE 2009



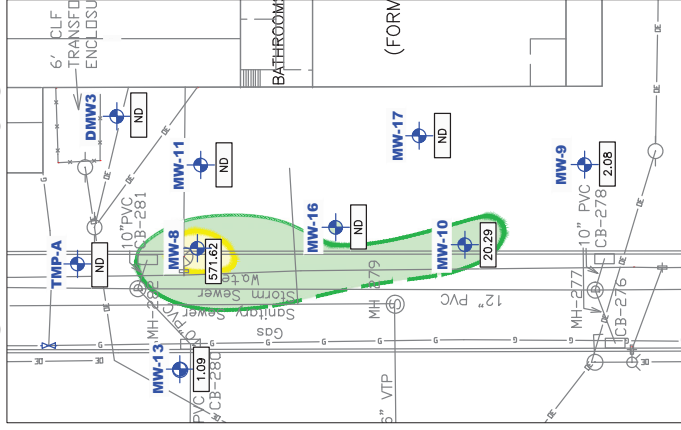
SEPTEMBER 2016



SEPTEMBER 2022



SEPTEMBER 2023



EXPLANATION

| | |
|--|--|
| | MOLAR CONCENTRATION > 10 (mol x 10 ⁹)/L (AS CHLORIDE EQUIVALENTS) |
| | MOLAR CONCENTRATION > 100 (mol x 10 ⁸)/L (AS CHLORIDE EQUIVALENTS) |
| | MOLAR CONCENTRATION > 1000 (mol x 10 ⁷)/L (AS CHLORIDE EQUIVALENTS) |
| | MOLAR CONCENTRATION > 10000 (mol x 10 ⁶)/L (AS CHLORIDE EQUIVALENTS) |

NOTE:
CONTOUR LINES ARE DASHED WHERE INFERRED

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM
PREVIOUS INVESTIGATION REPORT FOR THE
CITY OF CRANFORD PRESSURIZATION SYSTEM
PREPARED BY ARCADIS OF CRANFORD,
NEW JERSEY, JUNE 26, 2009



FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

**ESTIMATED PCE AND DAUGHTER
PRODUCTS TOTAL MOLAR ISOCONCENTRATION
PLUME MAPS AS CHLORIDE EQUIVALENTS,
BASELINE TO SEPTEMBER 2023**





EXPLANATION

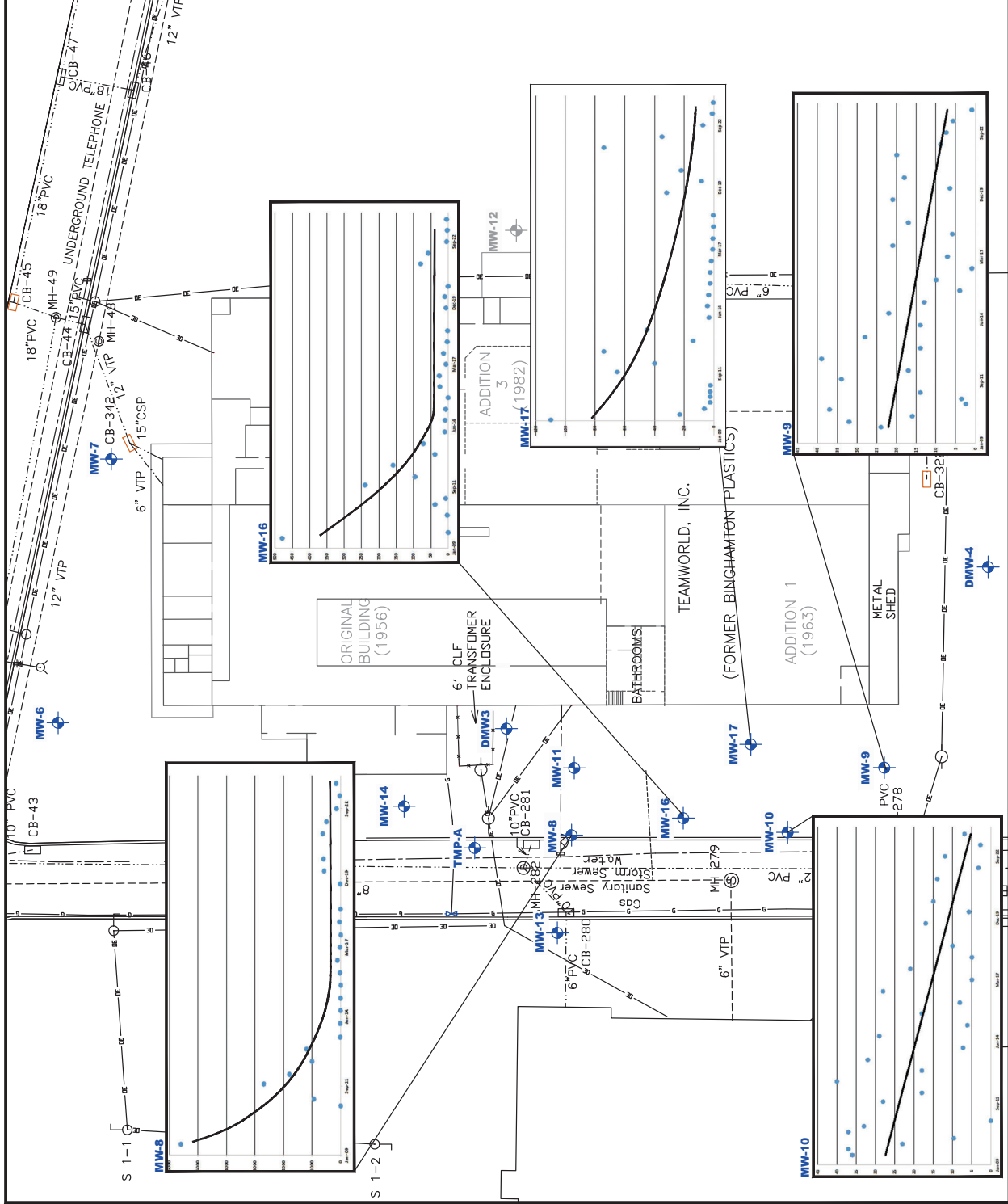
- MW-6 DESIGNATION AND LOCATION OF MONITORING WELL
- TMP-B DESIGNATION AND LOCATION OF DESTROYED MONITORING WELL
- UTILITY POLE
- UTILITY POLE W/LIGHT
- ⊙ STORM MANHOLE
- CATCH BASIN
- ⊖ SANITARY MANHOLE
- ⊕ POST INDICATOR VALVE
- ⊗ HYDRANT
- ⊕ WATER VALVE
- ⊕ GAS VALVE
- FORMER WALL

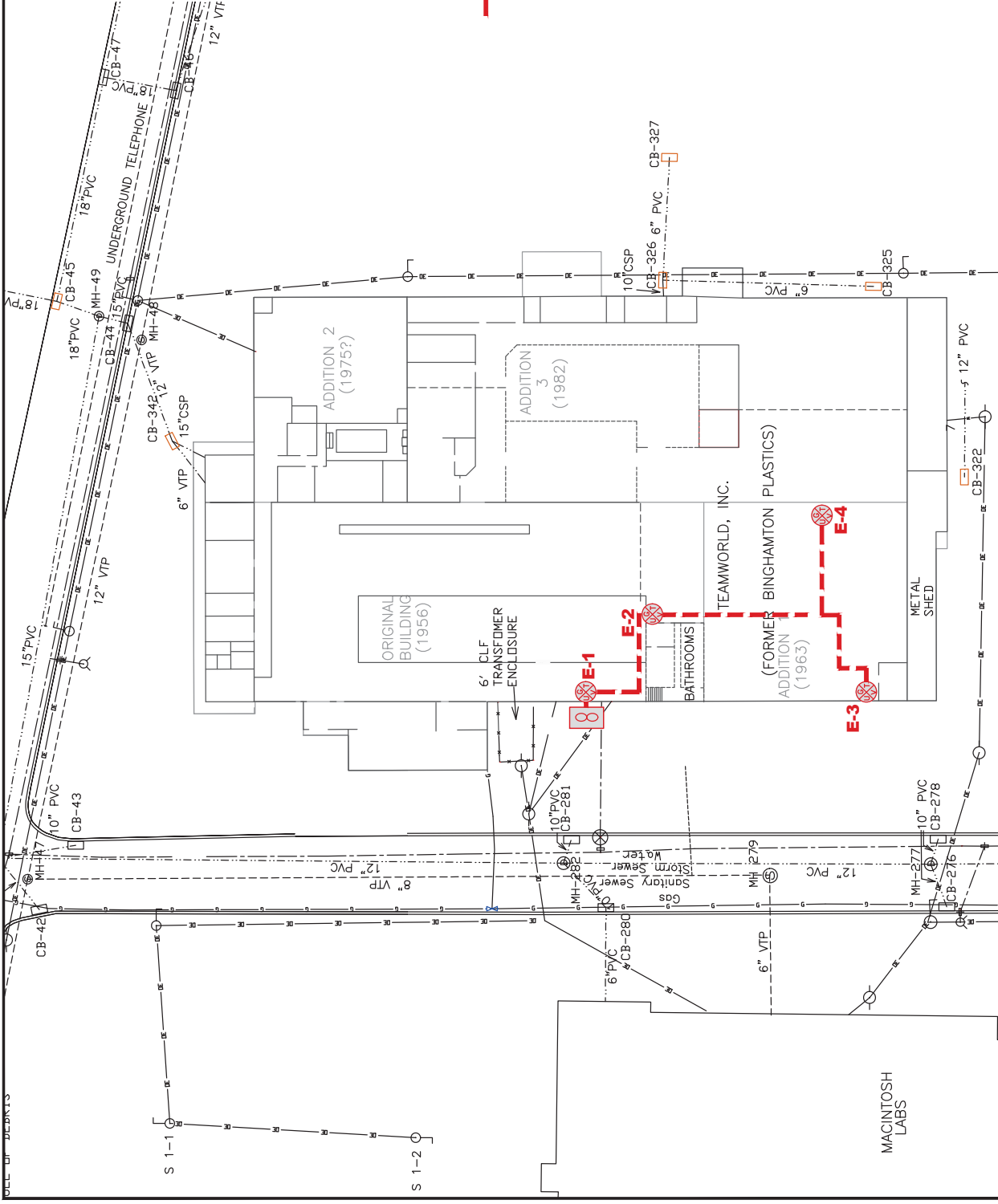
SOURCE: SITE MAP AND FEATURES OBTAINED FROM PRE-DESIGN INVESTIGATION REPORT FOR THE ACTIVE SLAP DEPRESSURIZATION SYSTEM PREPARED BY ARCADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009



FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

TCE TREND ANALYSIS AT SELECT WELLS





EXPLANATION

- UTILITY POLE
- UTILITY POLE W/LIGHT
- STORM MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- POST INDICATOR VALVE
- HYDRANT
- WATER VALVE
- GAS VALVE
- FORMER WALL
- 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 SLIP DEPRESSURIZATION SYSTEM PREPARED BY ARCADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009.
 2) ASD SYSTEM LAYOUT OBTAINED FROM SUB SLIP 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 LAYOUT | |
| | VERINA Engineering, P.C. |
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Tables

Table 1 - Groundwater Elevation Data - March 2023, 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 | 41 - 48 | 875.16 | 875.16 | 874.22 | 20.15 | 854.07 |
| DMW-4 | 2 | 15 | 5 - 15 | 878.32 | 878.38 | 877.91 | 3.33 | 874.58 |
| MW-5 | 2 | 20 | 10 - 20 | 874.18 | 874.17 | 873.83 | Abandoned | NA |
| MW-6 | 2 | 40 | 30 - 40 | 869.62 | 869.63 | 869.37 | 22.33 | 847.04 |
| MW-7 | 2 | 40 | 30 - 40 | 869.96 | 869.99 | 869.60 | 27.49 | 842.11 |
| MW-8 | 2 | 15 | 5 - 15 | 873.22 | 873.18 | 872.83 | 1.31 | 871.52 |
| MW-9 | 2 | 15 | 5 - 15 | 875.02 | 875.04 | 874.76 | 1.11 | 873.65 |
| MW-10 | 2 | 15 | 5 - 15 | 875.7 | 875.71 | 875.47 | 2.30 | 873.17 |
| MW-11 | 2 | 20 | 10 - 20 | 874.53 | 874.52 | 874.14 | 0.16 | 873.98 |
| MW-12 | 2 | 45 | 35 - 45 | 873.7 | 873.7 | 873.38 | Paved Over | NA |
| MW-13 | 2 | 15 | 5 - 15 | 874.08 | 874.09 | 873.60 | 4.51 | 869.09 |
| MW-14 | 2 | 15 | 5 - 15 | 871.06 | 871.07 | 870.57 | 1.20 | 869.37 |
| MW-15 | 2 | 15 | 5 - 15 | 874.06 | 874.16 | 873.69 | Abandoned | NA |
| MW-16 | 2 | 15 | 5 - 15 | 874.56 | NS | 874.11 | 1.70 | 872.41 |
| MW-17 | 2 | 15 | 5 - 15 | 874.03 | NS | 873.74 | 1.08 | 872.66 |
| TMP-A | 1 | 8 | 3 - 8 | 871.59 | NS | 871.39 | 1.42 | 869.97 |
| TMP-B | 1 | 10 | 5 - 10 | 869.57 | NS | 869.36 | Abandoned | NA |

NOTES: ft, TOC = Feet from top of inner well casing

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on March 15, 2023

Table 2 - Groundwater Elevation Data - September 2023, 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 | 41-48 | 875.16 | 875.16 | 874.22 | 20.80 | 853.42 |
| DMW-4 | 2 | 15 | 4-14 | 878.32 | 878.38 | 877.91 | 2.98 | 874.93 |
| MW-5 | 2 | 20 | 10-20 | 874.18 | 874.17 | 873.83 | Abandoned | NA |
| MW-6 | 2 | 40 | 30-40 | 869.62 | 869.63 | 869.37 | 22.16 | 847.21 |
| MW-7 | 2 | 40 | 30-40 | 869.96 | 869.99 | 869.60 | 27.12 | 842.48 |
| MW-8 | 2 | 15 | 5-15 | 873.22 | 873.18 | 872.83 | 1.35 | 871.48 |
| MW-9 | 2 | 15 | 5-15 | 875.02 | 875.04 | 874.76 | 0.75 | 874.01 |
| MW-10 | 2 | 15 | 5-15 | 875.70 | 875.71 | 875.47 | 1.86 | 873.61 |
| MW-11 | 2 | 20 | 10-20 | 874.53 | 874.52 | 874.14 | 0.00 | 874.14 |
| MW-12 | 2 | 45 | 35-45 | 873.70 | 873.70 | 873.38 | Paved Over | NA |
| MW-13 | 2 | 15 | 5-15 | 874.08 | 874.09 | 873.60 | 4.38 | 869.22 |
| MW-14 | 2 | 15 | 5-15 | 871.06 | 871.07 | 870.57 | 0.69 | 869.88 |
| MW-15 | 2 | 15 | 5-15 | 874.06 | 874.16 | 873.69 | Abandoned | NA |
| MW-16 | 2 | 15 | 5-15 | 874.56 | NS | 874.11 | 1.46 | 872.65 |
| MW-17 | 2 | 15 | 5-15 | 874.03 | NS | 873.74 | 0.50 | 873.24 |
| TMP-A | 1 | 8 | 3-8 | 871.59 | NS | 871.39 | 1.80 | 869.59 |
| TMP-B | 1 | 10 | 5-10 | 869.57 | NS | 869.36 | Abandoned | NA |

ft, TOC = Feet from top of inner well casing

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on September 11, 2023

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 | March 2018 | September 2018 | March 2019 | September 2019 |
| MW-8 | 81.9 | 68.6 | 93.6 | 1.2 | 99.1 | 19.6 |
| MW-9 | 13.7 | 8.7 | 16.8 | 0.1 | 33.7 | NA |
| MW-10 | NS | NS | NS | NS | 23.7 | NA |
| MW-11 | NS | 315.2 | NS | 22.7 | NS | 147.2 |
| MW-16 | 160.0 | 302.4 | 93 | 0.1 | 354.0 | 149.6 |
| MW-17 | 12.0 | 238.5 | 84.6 | 2.4 | 231.9 | 3.5 |

| Well ID No. | Residual Sodium Permanganate by Permanganate Ion Analysis (ppm) | | | | | |
|-------------|---|----------------|------------|----------------|------------|----------------|
| | March 2020 | September 2020 | March 2021 | September 2021 | March 2022 | September 2022 |
| MW-8 | NA | NA | NA | NA | NA | 1.4 |
| MW-9 | NA | NA | NA | NA | NA | 0.2 |
| MW-10 | NA | NA | NA | NA | NA | NA |
| MW-11 | NS | 166.4 | NS | 25 | NS | 2.8 |
| MW-16 | 183.9 | 97.7 | NA | 25 | 18.0 | NA |
| MW-17 | 67.6 | NA | NA | NA | NA | NA |

| Well ID No. | Residual Sodium Permanganate by Permanganate Ion Analysis (ppm) | | | | | |
|-------------|---|----------------|--|--|--|--|
| | March 2023 | September 2023 | | | | |
| MW-8 | 1.0 | 1.0 | | | | |
| MW-9 | 0.0 | 64.0 | | | | |
| MW-10 | 0.4 | NA | | | | |
| MW-11 | NS | 560.0 | | | | |
| MW-16 | 46.0 | 400.0 | | | | |
| MW-17 | 0.4 | 30.0 | | | | |

NOTES:

ppm = parts per million

NA = Purge water was clear and water was not analyzed for residual permanganate

NS = Not sampled during given sampling event

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

Table 4 - Groundwater Analytical Data - March 2023, Former Binghamton Plastics, Binghamton, New York

| Sample ID | MW-8 031623 | DUP-031623 | MW-9 031623 | MW-10 031623 | MW-16 031623 |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Laboratory ID | R2302309-007 | R2302309-008 | R2302309-002 | R2302309-003 | R2302309-005 |
| Date Sampled | 3/16/2023 | 3/16/2023 | 3/16/2023 | 3/16/2023 | 3/16/2023 |
| Units | µg/l | µg/l | µg/l | µg/l | µg/l |
| 1,1-Dichloroethane | 1.6 | 1.5 | 1.0 U | 0.35 J | 13 |
| 1,1-Dichloroethene | 0.64 J | 0.63 J | 1.0 U | 1.0 U | 1.0 U |
| cis-1,2-Dichloroethene | 38 | 43 | 1.0 U | 0.91 J | 13 |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethene | 1.0 U | 1.0 U | 1.0 U | 0.23 J | 1.0 U |
| 1,1,1-Trichloroethane | 1.6 | 1.6 | 1.0 U | 0.40 J | 4.0 |
| Trichloroethene | 32 | 35 | 5.7 | 2.8 | 2.5 |
| Vinyl Chloride | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |

| Sample ID | MW-17 031623 | FB-031623 | TB-031623 |
|--------------------------|--------------|--------------|--------------|
| Laboratory ID | R2302309-004 | R2302309-006 | R2302309-001 |
| Date Sampled | 3/16/2023 | 3/16/2023 | 3/16/2023 |
| Units | µg/l | µg/l | µg/l |
| 1,1-Dichloroethane | 5.7 | 1.0 U | 1.0 U |
| 1,1-Dichloroethene | 1.0 U | 1.0 U | 1.0 U |
| cis-1,2-Dichloroethene | 4.4 | 1.0 U | 1.0 U |
| trans-1,2-Dichloroethene | 0.30 J | 1.0 U | 1.0 U |
| Tetrachloroethene | 1.0 U | 1.0 U | 1.0 U |
| 1,1,1-Trichloroethane | 0.39 J | 1.0 U | 1.0 U |
| Trichloroethene | 1.0 | 1.0 U | 1.0 U |
| Vinyl Chloride | 1.1 | 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

Yellow highlight = concentration exceeds NYSDEC GWQS

NYSDEC = New York State Department of Environmental Conservation

GWQS = Ground Water Quality Standards

"FB" indicates the sample is an equipment blank sample

"TB" indicates the sample is a trip blank sample

Table 5 - Groundwater Analytical Data - September 2023, Former Binghamton Plastics, Binghamton, New York

| Sample ID | MW-8-091123 | DUP-091123 | MW-9-091123 | MW-10-091123 | MW-11-091123 | MW-13-091123 |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Laboratory ID | R2308315-009 | R2308315-011 | R2308315-005 | R2308315-002 | R2308315-010 | R2308315-003 |
| Date Sampled | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 |
| Units | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| NYSDEC GWQS | 5 | 5 | 5 | 5 | 5 | 5 |
| 1,1,1-Trichloroethane | 1.7 J | 1.8 | 0.28 J | 1.1 | 10 U | 1.0 U |
| 1,1-Dichloroethane | 2.9 | 3.1 | 1.0 U | 0.46 J | 10 U | 1.0 U |
| 1,1-Dichloroethene | 0.98 J | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U |
| cis-1,2-Dichloroethene | 100 | 85 | 1.0 U | 1.3 | 10 U | 1.0 U |
| Tetrachloroethene | 2.0 U | 1.0 U | 1.0 U | 0.77 J | 10 U | 1.0 U |
| trans-1,2-Dichloroethene | 2.0 U | 2.9 | 1.0 U | 1.0 U | 10 U | 1.0 U |
| Trichloroethene | 160 | 140 | 0.91 J | 6.9 | 10 U | 0.47 J |
| Vinyl Chloride | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U |

| Sample ID | MW-16-091123 | MW-17-091123 | DMW-3-091123 | TMP-A-091123 | FB-091123 | TB-091123 |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Laboratory ID | R2308315-006 | R2308315-008 | R2308315-007 | R2308315-004 | R2308315-012 | R2308315-001 |
| Date Sampled | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 |
| Units | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| NYSDEC GWQS | 5 | 5 | 5 | 5 | 5 | 5 |
| 1,1,1-Trichloroethane | 2.3 J | 1.0 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| 1,1-Dichloroethane | 9.8 J | 8.3 | 1.0 U | 0.40 J | 1.0 U | 1.0 U |
| 1,1-Dichloroethene | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| cis-1,2-Dichloroethene | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethene | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| trans-1,2-Dichloroethene | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethene | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Vinyl Chloride | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |

Notes:

J = Estimated value

µg/l = micrograms per liter

D = Result obtained from a sample dilution

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

Bold = concentration exceeds NYSDEC GWQS

NYSDEC = New York State Department of Environmental Conservation

GWQS = Ground Water Quality Standards

"FB" indicates the sample is an equipment blank sample

"TB" indicates the sample is a trip blank sample

Table 6 - Historical Groundwater Volatile Organic Compound Analytical Results, Former Binghamton Plastics, Binghamton, New York

| Sample Location Units: | Sampling Date | cis-1,2-DCE (ug/L) | trans-1,2-DCE (ug/L) | PCE | TCE | Vinyl Chloride |
|---------------------------|---------------|--------------------|----------------------|--------------|-----------|----------------|
| | | µg/l | µg/l | µg/l | µg/l | µg/l |
| MW-1/DMW-1 | 2/6/1998 | 1000 | < 180 | < 350 | 8200 | 71 |
| MW-2/DMW-2 | 12/10/1998 | 7.9 | < 2.5 | 1.3 J | 86 | < 10 |
| MW-3/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 |
| | 9/9/2009 | < 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 | |
| 9/20/2018 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/23/2019 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/14/2020 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/14/2021 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/12/2022 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/11/2023 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| MW-4/DMW-4 | 12/9/1998 | < 2.5 | < 2.5 | < 5 | 1.2 J | < 10 |
| MW-5 | 12/10/1998 | 480 | 11 | 1 | 17,000 | 20 |
| | 9/18/2001 | 370 J | < 500 | < 500 | 23,000 | < 500 |
| MW-6 | 4/1/2002 | 0.3 J | < 0.5 | 0.06 J | 48 | < 0.5 |
| | 12/9/1998 | < 2.5 | < 2.5 | < 5 | < 5 | < 10 |
| MW-7 | 12/10/1998 | < 2.5 | < 2.5 | < 5 | < 5 | < 10 |
| MW-8 | 12/10/1998 | 0.25 | < 5 | < 0.01 | 0.35 | < 20 |
| | 9/18/2001 | 850 | < 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 | 77.4 |
| | 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 | 3.8 J |
| | 3/10/2009 | 450 | < 100 | < 100 | 2300 | 38 J |
| | 8/9/2009 | 680 | 14 J | < 50 | 5800 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 |
| | 9/22/2013 | 17 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 |
| | 3/22/2018 | 67 | 0.33 J | < 1.0 | 50 | < 1.0 |
| | 9/20/2018 | 11 (15) | < 1.0 | < 1.0 (<1.0) | 8.7 (9.7) | < 1.0 (<1.0) |
| | 3/20/2019 | 92 | < 10.0 | < 10.0 | 24 | < 10.0 |
| | 9/23/2019 | 4.1 | < 1.0 | < 1.0 | 13 | < 1.0 |
| | 3/25/2020 | 480 D | 8.6 | < 1.0 | 580 D | 2.2 |
| | 9/14/2020 | 1000 D | 12 | < 5.0 | 600 | 14 |
| | 3/9/2021 | 120 | 1.6 J | < 2.5 | 270 | < 2.5 |
| | 9/14/2021 | 700 D | 9.7 | < 2.5 | 630 D | 10 |
| | 3/9/2022 | 260 (260) | 2.9 J (2.9 J) | < 5.0 (<530) | 500 (620) | 2.5 J |
| | 9/13/2022 | 160 | 0.32 J | < 1.0 | 150 | < 1.0 |
| | 3/16/2023 | 38 (43) | < 1.0 (<1.0) | < 1.0 (<1.0) | 32 (35) | < 1.0 (<1.0) |
| | 9/11/2023 | 100 (85) | < 2.0 (2.9) | < 2.0 (<1.0) | 160 (140) | < 2.0 (<1.0) |

See notes on last page.

Table 6 (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-9 | 12/10/1998 | 7.3 | < 2.5 | 1.2 J | 77 | < 1.0 |
| | 4/1/2002 | 0.6 | < 0.5 | 0.2 J | 20 | < 0.5 |
| | 9/19/2002 | 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 | 0.85 J | < 5.0 | < 5.0 | 24 | < 5.0 |
| | 8/28/2007 | 8.4 | < 5.0 | 0.88 J | 55 | 0.67 J |
| | 10/19/2007 | 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 |
| | 9/28/2010 | < 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 |
| | 10/28/2011 | 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 | |
| 3/22/2018 | < 1.0 | < 1.0 | < 1.0 | 5.9 | < 1.0 | |
| 9/20/2018 | < 1.0 | < 1.0 | < 1.0 | 17 | < 1.0 | |
| 3/20/2019 | < 10.0 | < 10.0 | < 10.0 | 5.3 J | < 10.0 | |
| 9/23/2019 | 0.32 J | < 1.0 | 0.29 J | 21 | < 1.0 | |
| 3/25/2020 | 0.34 J | < 1.0 | < 1.0 | 6.5 | < 1.0 | |
| 9/14/2020 | 0.36 J | < 1.0 | < 1.0 | 18 | < 1.0 | |
| 3/9/2021 | < 1.0 | < 1.0 | < 1.0 | 9.8 | < 1.0 | |
| 9/14/2021 | < 1.0 | < 1.0 | 0.31 J | 20 | < 1.0 | |
| 3/9/2022 | 0.38 J | < 1.0 | < 1.0 | 8.8 | < 1.0 | |
| 9/13/2022 | < 1.0 | < 1.0 | < 1.0 | 7.4 | < 1.0 | |
| 3/16/2023 | < 1.0 | < 1.0 | < 1.0 | 5.7 | < 1.0 | |
| 9/11/2023 | < 1.0 | < 1.0 | < 1.0 | 0.91 J | < 1.0 | |
| MW-10 | 12/10/1998 | 18 | < 2.5 | 54 | 64 | 23 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 | 26 | 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 J | 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 | 1.6 J | 27 | 2.5 J |
| | 9/19/2006 | 17 | 0.48 J | 2.2 J | 32 | 5.9 |
| | 8/28/2007 | 12 | 0.33 J | 2.2 J | 31 | 5.9 |
| | 10/19/2007 | 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 | 16 | 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 |
| | 10/28/2011 | 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) | |
| 3/20/2018 | 2.2 | < 1.0 | 0.52 J | 5.0 | < 1.0 | |
| 9/20/2018 | 2.6 | < 1.0 | 0.87 J | 10 | < 1.0 | |
| 3/20/2019 | 2 | < 1.0 | 0.52 J | 7.0 | < 1.0 | |
| 9/23/2019 | 2.8 | < 1.0 | 1.1 | 17 | < 1.0 | |
| 3/25/2020 | 1.9 | < 1.0 | 0.42 J | 5.8 | < 1.0 | |
| 9/14/2020 | 3.6 | < 1.0 | 1 | 15.0 | 0.28 J | |
| 3/9/2021 | 1.2 | < 1.0 | 0.37 J | 3.6 | < 1.0 | |
| 9/14/2021 | 3.4 | < 1.0 | 0.81 J | 14.0 | 0.25 J | |
| 3/9/2022 | 0.94 J | < 1.0 | 0.44 J | 3.3 | < 1.0 | |
| 9/13/2022 | 2.4 | < 1.0 | 0.88 J | 12 | < 1.0 | |
| 3/16/2023 | 0.91 J | < 1.0 | 0.23 J | 2.8 | < 1.0 | |
| 9/11/2023 | 1.3 | < 1.0 | 0.77 J | 6.9 | < 1.0 | |

See notes on last page.

Table 6 (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-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 J J | < 25 | 3300 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 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/14/2017 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/20/2018 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/23/2019 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/14/2020 | < 1.0 | < 1.0 | < 1.0 | 5.0 J | < 1.0 | |
| 9/14/2021 | 0.32 J | < 1.0 | < 1.0 | 0.21 J | < 1.0 | |
| 9/13/2022 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/11/2023 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| MW-12 | 12/7/1998 | < 2.5 | < 2.5 | < 5 | < 5 | < 10 |
| | 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 | |
| 9/23/2018 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/23/2019 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/14/2020 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/14/2021 | < 1.0 | < 1.0 | < 1.0 | 0.29 J | < 1.0 | |
| 9/13/2022 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/11/2023 | < 1.0 | < 1.0 | < 1.0 | 0.47 J | < 1.0 | |
| MW-13 | 12/9/1998 | < 2.5 | < 2.5 | < 5 | < 5 | < 10 |
| | 9/18/2001 | < 0.5 | < 0.5 | < 0.5 | 0.2 J | < 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 | 0.5 | < 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 | |

See notes on last page.

Table 6 (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-15 | 12/10/1998 | 950 | 11 | 14 | 6,900 | 23 |
| | 9/18/2001 | 790 | < 84 | < 84 | 4,000 | 68 J |
| | 4/1/2002 | 510 | 10 | 17 | 3,400 | 34 |
| | 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 | 6.8 | 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 | 4.8 J | 1.1 J | 280 | 42 |
| 6/10/2009 | 850 | 10 J | < 20 | 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 | 15 | 2.7 | |
| 3/22/2018 | 15 (14) | < 1.0 (< 1.0) | < 1.0 (< 1.0) | 2.4 (2.3) | < 1.0 (< 1.0) | |
| 9/20/2018 | 1.5 | < 1.0 | 160 | 1.6 | < 1.0 | |
| 3/20/2019 | 68 (59) | < 1.0 (< 1.0) | 0.23 J (0.30 J) | 18 (16) | < 1.0 (< 1.0) | |
| 9/23/2019 | 32 (35) | < 1.0 (< 1.0) | 0.27 J (0.27 J) | 6.6 (7.1) | < 1.0 (< 1.0) | |
| 3/25/2020 | 34 (44) | < 1.0 (< 1.0) | < 1.0 (0.23 J) | 10 (17) | < 1.0 (< 1.0) | |
| 9/14/2020 | < 1.0 (< 1.0) | < 1.0 (< 1.0) | < 1.0 (< 1.0) | < 1.0 (< 1.0) | < 1.0 (< 1.0) | |
| 3/9/2021 | 47 (43) | 2.5 (1.6) | < 1.0 (< 1.0) | 1.1 (6.9) | 0.35 (< 1.0) | |
| 9/14/2021 | 120 (120) | 5.0 (4.6) | 0.52 J (< 1.0) | 80 (75) | 0.24 J (< 1.0) | |
| 3/9/2022 | 130 | 0.33 J | 0.37 J | 58 | 12 | |
| 9/13/2022 | 9.4 | < 1.0 | 0.27 J | 4.8 | < 1.0 | |
| 3/16/2023 | 13 | < 1.0 | < 1.0 | 2.5 | < 1.0 | |
| 9/11/2023 | < 10 | < 10 | < 10 | < 10 | < 10 | |
| MW-16 | 9/19/2002 | 1,800 | 18 J | 242 | 2,800 | 38 J |
| | 3/28/2003 | 280 | 11 | 0.3 J | 2 | 180 |
| | 6/19/2003 | 50 | 13 | < 8 | 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 | 5.2 |
| | 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 |
| | 3/22/2018 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | 9/20/2018 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | 3/20/2019 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| 9/23/2019 | 66 | < 1.0 | < 1.0 | 32 | 0.25 J | |
| 3/25/2020 | 19 | < 1.0 | < 1.0 | 8.3 | 0.69 J | |
| 9/14/2020 | 23 | < 1.0 | 0.61 J | 22 | < 1.0 | |
| 3/9/2021 | 7.2 | 0.55 J | < 1.0 | 3.3 | 0.21 J | |
| 9/14/2021 | 200 | 5 | 0.61 J | 74 | 30 | |
| 3/9/2022 | 86 | 2.1 | 0.41 J | 35 | 11 | |
| 9/13/2022 | 27 | 1.6 | < 1.0 | 7.5 | 0.38 J | |
| 3/16/2023 | 4.4 | 0.30 J | < 1.0 | 1.0 | 1.1 | |
| 9/11/2023 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 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 |
| | 9/20/2018 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | 9/14/2020 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 9/14/2021 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/13/2022 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| 9/11/2023 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 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

Appendix A



MONTHLY ISCO INJECTION LOG
 Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

| Well ID | MW-8 | | MW-9 | | MW-10 | | MW-11 | | MW-16 | | MW-17 | | Total Injected (gal) | COMMENTS |
|------------|----------------------------|------------------------------|----------------------------|------------------------------|----------------------------|------------------------------|----------------------------|------------------------------|----------------------------|------------------------------|----------------------------|------------------------------|----------------------|--|
| | Water Pink or Purple (Y/N) | ISCO Solution Injected (gal) | Water Pink or Purple (Y/N) | ISCO Solution Injected (gal) | Water Pink or Purple (Y/N) | ISCO Solution Injected (gal) | Water Pink or Purple (Y/N) | ISCO Solution Injected (gal) | Water Pink or Purple (Y/N) | ISCO Solution Injected (gal) | Water Pink or Purple (Y/N) | ISCO Solution Injected (gal) | | |
| 1/16/2023 | Y | | Y | | Y | | Y | | Y | | Y | | 0.0 | 1/16/23 - All wells were purple except MW-10 which was light pink. We are only injecting in clear wells, so no injections were needed. |
| 2/14/2023 | Y | | Y | 5 | Y | | Y | | Y | | Y | | 5.0 | NA |
| 3/20/2023 | Y | | Y | 5 | Y | 5 | Y | 5 | N | 5 | N | 5 | 15.0 | Bailing done on 3/20/23, Injections done on 3/21/23 |
| 4/24/2023 | Y | | Y | 5 | Y | 5 | Y | 5 | N | 5 | N | 5 | 15.0 | Bailing done on 4/24/23, Injections done on 4/25/23 |
| 5/23/2023 | N | 5 | N | 5 | Y | 5 | N | 5 | N | 5 | N | 5 | 20.0 | |
| 6/13/2023 | Y | | Y | | Y | | Y | | Y | | Y | | 0.0 | |
| 7/17/2023 | Y | | N | 5 | N | 5 | N | 5 | N | 5 | N | 5 | 25.0 | Injections done by DCK & RG |
| 8/21/2023 | Y | | N | 7.5 | N | 5 | N | 5 | N | 5 | Y | | 22.5 | MW-9 Needs Manhole Cover. Injections completed by MAV & MS. Because the permanganate was transferred in the yellow and orange buckets, we had 2.5 extra gallons, which were injected into MW-9 |
| 9/19/2023 | N | 6.5 | N | 5 | N | 5 | N | 3.5 | Y | | Y | | 20.0 | Injections done by RS, MKS, and MAV. Due to time restraints, the last 1.5 gallons that was to be injected into MW-11, was injected into MW-8 |
| 10/16/2023 | Y | | Y | | N | 5 | Y | | Y | | Y | | 5.0 | Injections done by MAV and RG |
| 11/13/2023 | Y | | Y | | N | 5 | Y | | Y | | Y | | 5.0 | Injections done by MAV, AM, and DP |
| 12/11/2023 | Y | | Y | | N | 5 | Y | 5 | Y | | Y | | 10 | Injections done by RG and AM |

Appendix B



LOW FLOW GROUND WATER PURGE/SAMPLING LOG
Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name: Dover-Binghamton Project #: 5101.0003 Page 1 of 2
 Monitoring Well: MW-9 Date: 3/16/2023
 Field Personnel: DCK Weather: Clear 40's

PRE-PURGE INFO:

Well Depth (ft btoc): 14.62 Depth to Water (ft btoc): 1.22
 PID Beneath PVC Cap (ppm): NA Screened/Open Interval (ft btoc): 5 - 15
 Pump Used: 2" Bladder Depth of Pump (ft btoc): 10

POST-PURGE INFO:

Color: Very Light Pink Mn/MnO4 (mg/L): 0.0
 Volume Purged (gal): 8 Sample ID: MW 9 - 031623
 Final Depth to Water (ft btoc): 1.23 Sample Time: 12:00

WELL PURGE DATA:

| Time 5 minute intervals | Temperature (°C) | pH (units) | Conductivity (ms/cm) | REDOX (Eh-mV) | DO (mg/L) | Turbidity (NTU) | Depth to Water (ft) | Salinity (PPT) | Pumping Rate (ml/min) | Comment |
|-------------------------------|---------------------|---------------|-------------------------|------------------|--------------|--------------------|------------------------|----------------|--------------------------|---------|
| | Reading | Reading | Reading | Reading | Reading | Reading | Reading | | | |
| | 3% | 0.1 unit | 3% | 10 mV | 10% | 10% | 0.3 ft | | 100 - 500 | |
| 10:15 | 7.96 | 7.51 | 1.431 | 403.9 | 7.96 | 388 | 1.26 | 0.72 | 280 | |
| 10:20 | 7.69 | 7.20 | 1.409 | 492.5 | 7.73 | 328 | 1.26 | 0.71 | 240 | |
| 10:25 | 7.54 | 7.06 | 1.407 | 525.9 | 7.75 | 214 | 1.25 | 0.71 | 240 | |
| 10:30 | 7.33 | 7.03 | 1.406 | 537.1 | 7.82 | 155 | 1.24 | 0.71 | 240 | |
| 10:35 | 7.31 | 6.99 | 1.403 | 544.5 | 7.77 | 121 | 1.24 | 0.70 | 240 | |
| 10:40 | 7.36 | 6.95 | 1.398 | 550.1 | 7.70 | 79.9 | 1.26 | 0.70 | 240 | |
| 10:45 | 7.40 | 6.97 | 1.394 | 553.5 | 7.53 | 41.8 | 1.24 | 0.70 | 240 | |
| 10:50 | 7.40 | 6.97 | 1.392 | 555.5 | 7.48 | 26.1 | 1.25 | 0.70 | 240 | |
| 10:55 | 7.38 | 6.95 | 1.388 | 557.0 | 7.41 | 15.3 | 1.25 | 0.70 | 240 | |
| 11:00 | 7.39 | 6.62 | 1.386 | 560.2 | 7.35 | 13.6 | 1.25 | 0.70 | 240 | |
| 11:05 | 7.39 | 6.83 | 1.384 | 561.6 | 7.35 | 11.5 | 1.25 | 0.70 | 240 | |
| 11:10 | 7.45 | 6.9 | 1.383 | 563.3 | 7.34 | 9.1 | 1.26 | 0.70 | 240 | |
| 11:15 | 7.45 | 6.9 | 1.380 | 566.0 | 7.31 | 8.46 | 1.25 | 0.69 | 240 | |
| 11:20 | 7.4 | 6.93 | 1.379 | 569.7 | 7.31 | 7.97 | 1.25 | 0.69 | 240 | |
| 11:25 | 7.54 | 6.95 | 1.377 | 571.8 | 7.26 | 6.83 | 1.25 | 0.69 | 240 | |
| 11:30 | 7.45 | 6.94 | 1.376 | 574.5 | 7.23 | 5.66 | 1.24 | 0.69 | 240 | |
| 11:35 | 7.44 | 6.96 | 1.377 | 577.6 | 7.24 | 6.17 | 1.25 | 0.69 | 240 | |
| 11:40 | 7.46 | 6.96 | 1.379 | 581.9 | 7.2 | 6.99 | 1.25 | 0.69 | 240 | |
| 11:45 | 7.47 | 6.96 | 1.373 | 582.6 | 7.19 | 4.91 | 1.25 | 0.69 | 240 | |
| 11:50 | 7.51 | 6.97 | 1.372 | 583.9 | 7.2 | 4.79 | 1.25 | 0.69 | 240 | |
| 11:55 | 7.6 | 6.97 | 1.37 | 584.7 | 7.18 | 4.46 | 1.25 | 0.69 | 240 | |
| 12:00 | Sampling | | | | | | | | | |



LOW FLOW GROUND WATER PURGE/SAMPLING LOG
Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

| | | | | |
|------------------|--------------------|------------|-------------|-------------|
| Project Name: | Dover - Binghamton | Project #: | 5101.0003 | Page 1 of 2 |
| Monitoring Well: | MW-10 | Date: | 3/16/2023 | |
| Field Personnel: | MAV | Weather: | 30's, Sunny | |

PRE-PURGE INFO:

| | | | |
|----------------------------|------------|-----------------------------------|-------|
| Well Depth (ft btoc): | 13.85 | Depth to Water (ft btoc): | 2.40 |
| PID Beneath PVC Cap (ppm): | NA | Screened/Open Interval (ft btoc): | 5 -15 |
| Pump Used: | 2" Bladder | Depth of Pump (ft btoc): | 10 |

POST-PURGE INFO:

| | | | |
|---------------------------------|------------------------------------|-----------------|-------------|
| Color: | Slightly Orange then Slightly Pink | Mn/MnO4 (mg/L): | 0.4 |
| Volume Purged (gal): | 6 | Sample ID: | MW10-031623 |
| Final Depth to Water (ft btoc): | 2.41 | Sample Time: | 12:15 |

WELL PURGE DATA:

| Time 5 minute intervals | Temperature (°C) | pH (units) | Conductivity (ms/cm) | REDOX (Eh-mV) | DO (mg/L) | Turbidity (NTU) | Depth to Water (ft) | Salinity (PPT) | Pumping Rate (ml/min) | Comment |
|-------------------------------|---------------------|---------------|-------------------------|------------------|--------------|--------------------|------------------------|----------------|--------------------------|---------|
| | Reading | Reading | Reading | Reading | Reading | Reading | Reading | | | |
| | 3% | 0.1 unit | 3% | 10 mV | 10% | 10% | 0.3 ft | | 100 - 500 | |
| 10:10 | 6.99 | 6.33 | 0.883 | 235.6 | 10.98 | 132 | 2.81 | 0.44 | 120 | |
| 10:15 | 6.98 | 6.47 | 0.897 | 243.2 | 10.65 | 101 | 2.99 | 0.44 | 400 | |
| 10:20 | 6.75 | 6.50 | 0.887 | 272.5 | 10.72 | 92.6 | 2.69 | 0.44 | 160 | |
| 10:25 | 6.94 | 6.54 | 0.883 | 375.3 | 10.24 | 53.2 | 2.67 | 0.44 | 160 | |
| 10:30 | 6.97 | 6.56 | 0.883 | 416.0 | 10.10 | 41.9 | 2.67 | 0.44 | 160 | |
| 10:35 | 6.93 | 6.57 | 0.891 | 440.7 | 10.07 | 32.4 | 2.67 | 0.44 | 160 | |
| 10:40 | 6.89 | 6.61 | 0.899 | 459.2 | 8.77 | 28 | 2.62 | 0.44 | 160 | |
| 10:45 | 7.02 | 6.64 | 0.901 | 469.9 | 8.41 | 25.4 | 2.68 | 0.44 | 160 | |
| 10:50 | 6.95 | 6.66 | 0.912 | 491.2 | 8.05 | 22.4 | 2.69 | 0.45 | 160 | |
| 10:55 | 6.93 | 6.67 | 0.916 | 512.3 | 7.58 | 18.4 | 2.69 | 0.45 | 160 | |
| 11:00 | 6.93 | 6.68 | 0.917 | 526.3 | 7.43 | 18.5 | 2.70 | 0.45 | 160 | |
| 11:05 | 6.97 | 6.68 | 0.921 | 548.5 | 9.16 | 19.6 | 2.67 | 0.45 | 160 | |
| 11:10 | 7.01 | 6.67 | 0.916 | 563.1 | 9.49 | 21.3 | 2.64 | 0.45 | 160 | |
| 11:15 | 6.99 | 6.67 | 0.923 | 574.4 | 9.93 | 34.7 | 2.66 | 0.45 | 160 | |
| 11:20 | 7.04 | 6.69 | 0.92 | 582.1 | 8.42 | 35.3 | 2.60 | 0.46 | 160 | |
| 11:25 | 7.17 | 6.70 | 0.922 | 588.0 | 7.92 | 44.4 | 2.65 | 0.46 | 160 | |
| 11:30 | 7.22 | 6.71 | 0.924 | 593.5 | 7.61 | 41.3 | 2.66 | 0.46 | 160 | |
| 11:35 | 7.18 | 6.71 | 0.924 | 598.7 | 7.56 | 35.6 | 2.64 | 0.46 | 160 | |
| 11:40 | 7.19 | 6.72 | 0.925 | 603.3 | 7.16 | 44.2 | 2.61 | 0.46 | 160 | |
| 11:45 | 7.2 | 6.70 | 0.925 | 607.6 | 9.86 | 40.4 | 2.58 | 0.46 | 160 | |
| 11:50 | 7.19 | 6.71 | 0.925 | 608.4 | 8.46 | 39.3 | 2.63 | 0.46 | 160 | |
| 11:55 | 7.14 | 6.74 | 0.928 | 611.5 | 7.01 | 40.4 | 2.66 | 0.46 | 160 | |
| 12:00 | 7.20 | 6.74 | 0.903 | 612.4 | 6.88 | 40.1 | 2.65 | 0.46 | 160 | |
| 12:05 | 7.09 | 6.74 | 0.928 | 613.9 | 6.82 | 35.8 | 2.64 | 0.46 | 160 | |
| 12:10 | 6.74 | 6.75 | 0.929 | 617.5 | 6.67 | 25.4 | 2.65 | 0.46 | 160 | |
| 12:15 | Unstable - Sampling | | | | | | | | | |

Appendix C



March 22, 2023

Service Request No:R2302309

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

Laboratory Results for: Dover Binghamton

Dear Ms.MacCarter, LSRP,

Enclosed are the results of the sample(s) submitted to our laboratory March 17, 2023
For your reference, these analyses have been assigned our service request number **R2302309**.

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

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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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
Sample Matrix: Water

Service Request: R2302309
Date Received: 03/17/2023

CASE NARRATIVE

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

Sample Receipt:

Eight water samples were received for analysis at ALS Environmental on 03/17/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

A handwritten signature in black ink, appearing to read "Samantha", is written over a horizontal line.

Approved by _____

Date 03/22/2023



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:R2302309

SAMPLE CROSS-REFERENCE

| <u>SAMPLE #</u> | <u>CLIENT SAMPLE ID</u> | <u>DATE</u> | <u>TIME</u> |
|-----------------|-------------------------|-------------|-------------|
| R2302309-001 | TB-031623 | 3/16/2023 | 0000 |
| R2302309-002 | MW-9 031623 | 3/16/2023 | 1200 |
| R2302309-003 | MW-10 031623 | 3/16/2023 | 1215 |
| R2302309-004 | MW-17 031623 | 3/16/2023 | 1420 |
| R2302309-005 | MW-16 031623 | 3/16/2023 | 1500 |
| R2302309-006 | FB-031623 | 3/16/2023 | 1600 |
| R2302309-007 | MW-8 031623 | 3/16/2023 | 1615 |
| R2302309-008 | Dup-031623 | 3/16/2023 | 0000 |



Chain of Custody / Analytical Request Form

71597

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

SR#:

Page 1 of 1

Report To:
 Company: Verina Consulting Group
 Contact: Sarah MacCarty
 Email: smaccarty@vcg-llc.com
 Phone: 908-864-4400
 Address: 1011 US-22
 Bridgewater, NJ 08807
 United States

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER

Project Name: Doney Binghamton
 Project Number: 5101-0003
 ALS Quote #: *MuVal*
 Sampler's Signature: *MuVal*
 Email CC:
 State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

| Lab ID (ALS) | Sample ID | Date | Time | Preservative | | | | | | | | | | | | | | | | |
|--------------|-----------|---------|-------|--------------|----------------------|---------|-------------------------------|--------------------------------|--------------------------------|-------------------|--------------------------|------------------------------|---|--|--|--|--|--|--|--|
| | | | | Matrix | Number of Containers | MS/MSD? | GC/MS VOA - 8260•624•524•TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter | | | | | | | |
| TB-031623 | | 3/12/23 | 16:30 | GW | 3 | 1 | | | | | | | | | | | | | | |
| MW-9 031623 | | 3/16/23 | 12:00 | GW | 3 | 0 | | | | | | | | | | | | | | |
| MW-10 031623 | | 3/16/23 | 12:15 | GW | 3 | 0 | | | | | | | | | | | | | | |
| MW-17 031623 | | 3/16/23 | 14:20 | GW | 3 | 0 | | | | | | | | | | | | | | |
| MW-16 031623 | | 3/16/23 | 15:00 | GW | 3 | 0 | | | | | | | | | | | | | | |
| FB-031623 | | 3/16/23 | 16:00 | GW | 3 | 1 | | | | | | | | | | | | | | |
| MW-8 031623 | | 3/16/23 | 16:15 | GW | 3 | 0 | | | | | | | | | | | | | | |
| DUP-031623 | | 3/16/23 | 00:00 | GW | 3 | 0 | | | | | | | | | | | | | | |

| Notes: | 0. None | 1. HCl | 2. HNO3 | 3. H2SO4 | 4. NaOH | 5. Zn Acet. | 6. MeOH | 7. NaHSO4 | 8. Other |
|----------------------------------|---------|--------|---------|----------|---------|-------------|---------|-----------|----------|
| Sodium Phosphate | | | | | | | | | |
| added to all undisturbed samples | | | | | | | | | |
| SSPL VOCs | | | | | | | | | |
| 1,1-DCA | | | | | | | | | |
| 1,1-DCE | | | | | | | | | |
| CIS-1,2-DCE | | | | | | | | | |
| TRANS-1,2-DCE | | | | | | | | | |
| PCE | | | | | | | | | |
| TCE | | | | | | | | | |
| 1,1,1-TCA | | | | | | | | | |

Special Instructions / Comments:

Turnaround Requirements:
 Rush (Surcharges Apply)
 Subject to Availability*
 Please Check with your PM*
 Standard (10 Business Days)
 Date Required:

Report Requirements:
 Tier II/Cat A - Results/QC
 Tier IV/Cat B - Data
 Validation Report w/ Data
 EDD: Yes No *2* quib
 EDD Type: *NYSDC*

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)
 VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars • THM • Other:

Invoice To: Same as Report To
 PO #: 5101-0003
 Company: Verina Consulting Group
 Contact: Sarah MacCarty
 Email: smaccarty@vcg-llc.com
 Phone: 908-864-4400
 Address: 1011 US-22
 Bridgewater, NJ 08807

Relinquished By: *MuVal*
 Signature: *MuVal*
 Printed Name: Michael Vanzini
 Company: Verina Consulting
 Date/Time: 3/16/23 17:00

Received By: *Schubert*
 Signature: *Schubert*
 Printed Name: Michael Vanzini
 Company: Verina Consulting
 Date/Time: 3/17/23 8:30

Relinquished By: *Sarah MacCarty*
 Signature: *Sarah MacCarty*
 Printed Name: Sarah MacCarty
 Company: Verina Consulting Group
 Date/Time: 3/16/23 17:00

Received By: *Sarah MacCarty*
 Signature: *Sarah MacCarty*
 Printed Name: Sarah MacCarty
 Company: Verina Consulting Group
 Date/Time: 3/16/23 17:00

Reference: R2302309
 Verina Consulting Group, LLC
 Dover Binghamton

Page 9 of 357



Cooler Receipt and Preservation Check Form

R2302309
Verina Consulting Group, LLC
Dover Binghamton

5



Project/Client Verina Folder Number _____

Cooler received on 3/17/23 by: SES COURIER: ALS UPS FEDEX VELOCITY CLIENT

| | | | |
|---|--|----------|---|
| 1 | Were Custody seals on outside of cooler? | <u>Y</u> | N |
| 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? | Y | <u>N</u> | 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: 3/17/23 Time: 9:28 ID: IR#7 IR#1 From: Temp Blank Sample Bottle

| | | | | | | | | |
|-------------------------------|-----------|---|---|---|---|---|---|---|
| Observed Temp (°C) | <u>14</u> | | | | | | | |
| Within 0-6°C? | <u>Y</u> | N | Y | N | Y | N | Y | N |
| If <0°C, were samples frozen? | Y | N | Y | N | Y | N | Y | N |

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

All samples held in storage location: Room by SES on 3/17/23 at 9:30
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 3/17/23 Time: 10:30 by: SES

- 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 N/A
- 13. Were dissolved metals filtered in the field? YES NO N/A
- 14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

| pH | Lot of test paper | Reagent | Preserved? | | Lot Received | Exp | Sample ID Adjusted | Vol. Added | Lot Added | Final pH |
|-----------------------|-------------------|---|------------|----|--|-------------|--------------------|------------|-----------|----------|
| | | | Yes | No | | | | | | |
| ≥12 | | NaOH | | | | | | | | |
| ≤ | | HNO ₃ | | | | | | | | |
| ≤ | | H ₂ SO ₄ | | | | | | | | |
| <4 | | NaHSO ₄ | | | | | | | | |
| 5-9 | | For 608pest | | | No=Notify for 3day | | | | | |
| Residual Chlorine (-) | | For CN, Phenol, 625, 608pest, 522 | | | If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol). | | | | | |
| | | Na ₂ S ₂ O ₃ | | | | | | | | |
| | | ZnAcetate | - | - | | | | | | |
| | | HCl | ** | ** | <u>22080153</u> | <u>6/25</u> | | | | |

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

Bottle lot numbers: 103122-3AXH, 103122-3AWA
Explain all Discrepancies/ Other Comments:

| | |
|-------|--------|
| HPROD | BULK |
| HTR | FLDT |
| SUB | HGFB |
| ALS | LL3541 |

Labels secondary reviewed by: SES
PC Secondary Review: [Signature]

*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: R2302309

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|---------|-----------|------|------------------------|-------------|
| R2302309-001.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-001.02 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-001.03 | | | | | |
| | 8260C | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |
| | | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |
| R2302309-002.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-002.02 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-002.03 | | | | | |
| | 8260C | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |
| | | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |
| R2302309-003.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-003.02 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-003.03 | | | | | |
| | 8260C | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2302309

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|---------|-----------|------|------------------------|-------------|
| | 8260C | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |
| R2302309-004.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-004.02 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-004.03 | | | | | |
| | 8260C | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |
| | | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |
| R2302309-005.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-005.02 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-005.03 | | | | | |
| | 8260C | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |
| | | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |
| R2302309-006.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-006.02 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-006.03 | | | | | |

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2302309

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|---------|-----------|------|------------------------|-------------|
| | 8260C | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |
| | | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |
| R2302309-007.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-007.02 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-007.03 | | | | | |
| | 8260C | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |
| | | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |
| R2302309-008.01 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| R2302309-008.02 | | | | | |
| | 8260C | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1100 | In Lab / FNAEGLER | |
| R2302309-008.03 | | | | | |
| | | 3/17/2023 | 1629 | SMO / GESMERIAN | |
| | | 3/17/2023 | 1632 | R-001 / GESMERIAN | |
| | | 3/20/2023 | 1102 | R-001-S10 / FNAEGLER | |



Miscellaneous Forms

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

REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|--|
| <p>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.</p> <p>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).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>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> <p>* 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.</p> <p>H Analysis was performed out of hold time for tests that have an “immediate” hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>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).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|--|

Rochester Lab ID # for State Accreditations¹



| NELAP States |
|-------------------------|
| Florida ID # E87674 |
| New Hampshire ID # 2941 |
| New York ID # 10145 |
| Pennsylvania ID# 68-786 |
| Virginia #460167 |

| Non-NELAP States |
|------------------------|
| Connecticut ID #PH0556 |
| Delaware Approved |
| Maine ID #NY01587 |
| North Carolina #36701 |
| North Carolina #676 |
| Rhode Island LAO00333 |

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 <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

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.
dba ALS Environmental

Analyst Summary report

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

Service Request: R2302309

Sample Name: TB-031623
Lab Code: R2302309-001
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-9 031623
Lab Code: R2302309-002
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-10 031623
Lab Code: R2302309-003
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-17 031623
Lab Code: R2302309-004
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-16 031623
Lab Code: R2302309-005
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.
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Analyst Summary report

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

Service Request: R2302309

Sample Name: FB-031623
Lab Code: R2302309-006
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-8 031623
Lab Code: R2302309-007
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: Dup-031623
Lab Code: R2302309-008
Sample Matrix: Water

Date Collected: 03/16/23
Date Received: 03/17/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER



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 |
| 9034 Sulfide Acid Soluble | 9030B |
| 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 |
| 7199 | 3060A |
| 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

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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: R2302309
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 08:30

Sample Name: TB-031623
Lab Code: R2302309-001

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) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 17:40 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 17:40 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 03/20/23 17:40 | |
| Dibromofluoromethane | 96 | 80 - 116 | 03/20/23 17:40 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 17:40 | |

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: R2302309
Date Collected: 03/16/23 16:00
Date Received: 03/17/23 08:30

Sample Name: FB-031623
Lab Code: R2302309-006

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) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 18:03 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 18:03 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 03/20/23 18:03 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 18:03 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 18:03 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 12:00
Date Received: 03/17/23 08:30

Sample Name: MW-9 031623
Lab Code: R2302309-002

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) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 18:26 | |
| Trichloroethene (TCE) | 5.7 | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 18:26 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 97 | 85 - 122 | 03/20/23 18:26 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 18:26 | |
| Toluene-d8 | 96 | 87 - 121 | 03/20/23 18:26 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 12:15
Date Received: 03/17/23 08:30

Sample Name: MW-10 031623
Lab Code: R2302309-003

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) | 0.40 J | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| 1,1-Dichloroethane (1,1-DCA) | 0.35 J | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| Tetrachloroethene (PCE) | 0.23 J | 1.0 | 0.21 | 1 | 03/20/23 18:48 | |
| Trichloroethene (TCE) | 2.8 | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| cis-1,2-Dichloroethene | 0.91 J | 1.0 | 0.23 | 1 | 03/20/23 18:48 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 03/20/23 18:48 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 18:48 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 18:48 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 14:20
Date Received: 03/17/23 08:30

Sample Name: MW-17 031623
Lab Code: R2302309-004

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) | 0.39 J | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| 1,1-Dichloroethane (1,1-DCA) | 5.7 | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 19:11 | |
| Trichloroethene (TCE) | 1.0 | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| Vinyl Chloride | 1.1 | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| cis-1,2-Dichloroethene | 4.4 | 1.0 | 0.23 | 1 | 03/20/23 19:11 | |
| trans-1,2-Dichloroethene | 0.30 J | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 03/20/23 19:11 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 19:11 | |
| Toluene-d8 | 94 | 87 - 121 | 03/20/23 19:11 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 15:00
Date Received: 03/17/23 08:30

Sample Name: MW-16 031623
Lab Code: R2302309-005

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) | 4.0 | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| 1,1-Dichloroethane (1,1-DCA) | 13 | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 19:34 | |
| Trichloroethene (TCE) | 2.5 | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| cis-1,2-Dichloroethene | 13 | 1.0 | 0.23 | 1 | 03/20/23 19:34 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 03/20/23 19:34 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 19:34 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 19:34 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 16:15
Date Received: 03/17/23 08:30

Sample Name: MW-8 031623
Lab Code: R2302309-007

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) | 1.6 | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.6 | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| 1,1-Dichloroethene (1,1-DCE) | 0.64 J | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 20:20 | |
| Trichloroethene (TCE) | 32 | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| cis-1,2-Dichloroethene | 38 | 1.0 | 0.23 | 1 | 03/20/23 20:20 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 98 | 85 - 122 | 03/20/23 20:20 | |
| Dibromofluoromethane | 96 | 80 - 116 | 03/20/23 20:20 | |
| Toluene-d8 | 97 | 87 - 121 | 03/20/23 20:20 | |

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: R2302309
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 08:30

Sample Name: Dup-031623
Lab Code: R2302309-008

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) | 1.6 | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.5 | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| 1,1-Dichloroethene (1,1-DCE) | 0.63 J | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 19:57 | |
| Trichloroethene (TCE) | 35 | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| cis-1,2-Dichloroethene | 43 | 1.0 | 0.23 | 1 | 03/20/23 19:57 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 03/20/23 19:57 | |
| Dibromofluoromethane | 94 | 80 - 116 | 03/20/23 19:57 | |
| Toluene-d8 | 92 | 87 - 121 | 03/20/23 19:57 | |



QC Summary Forms

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

ALS Environmental—Rochester Laboratory
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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: R2302309

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 | 80-116 | 87-121 |
| TB-031623 | R2302309-001 | 95 | 96 | 95 |
| FB-031623 | R2302309-006 | 94 | 95 | 95 |
| Method Blank | RQ2303181-06 | 96 | 95 | 94 |
| Lab Control Sample | RQ2303181-04 | 98 | 95 | 94 |

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: R2302309
Date Analyzed: 03/20/23 13:03
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2303181-06
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-10
File ID:I:\ACQUADATA\msvoa10\data\032023\B9137.D\
Analysis Lot:798118

This Method Blank applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|---|----------------------|
| Lab Control Sample | RQ2303181-04 | I:\ACQUADATA\msvoa10\data\032023\B9134.D\ | 03/20/23 11:33 |
| TB-031623 | R2302309-001 | I:\ACQUADATA\msvoa10\data\032023\B9149.D\ | 03/20/23 17:40 |
| FB-031623 | R2302309-006 | I:\ACQUADATA\msvoa10\data\032023\B9150.D\ | 03/20/23 18:03 |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2303181-06

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) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 13:03 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 13:03 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 13:03 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 13:03 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 13:03 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 13:03 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 13:03 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 13:03 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 03/20/23 13:03 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 13:03 | |
| Toluene-d8 | 94 | 87 - 121 | 03/20/23 13:03 | |

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: R2302309
Date Analyzed: 03/20/23 11:33
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2303181-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-10
File ID:I:\ACQUADATA\msvoa10\data\032023\B9134.D\
Analysis Lot:798118

This Lab Control Sample applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|---|----------------------|
| Method Blank | RQ2303181-06 | I:\ACQUADATA\msvoa10\data\032023\B9137.D\ | 03/20/23 13:03 |
| TB-031623 | R2302309-001 | I:\ACQUADATA\msvoa10\data\032023\B9149.D\ | 03/20/23 17:40 |
| FB-031623 | R2302309-006 | I:\ACQUADATA\msvoa10\data\032023\B9150.D\ | 03/20/23 18:03 |

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: R2302309
Date Analyzed: 03/20/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2303181-04

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------------------|-------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 8260C | 18.3 | 20.0 | 91 | 75-125 |
| 1,1-Dichloroethane (1,1-DCA) | 8260C | 17.9 | 20.0 | 89 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260C | 17.0 | 20.0 | 85 | 71-118 |
| Tetrachloroethene (PCE) | 8260C | 16.4 | 20.0 | 82 | 72-125 |
| Trichloroethene (TCE) | 8260C | 16.8 | 20.0 | 84 | 74-122 |
| Vinyl Chloride | 8260C | 15.4 | 20.0 | 77 | 74-159 |
| cis-1,2-Dichloroethene | 8260C | 17.6 | 20.0 | 88 | 80-121 |
| trans-1,2-Dichloroethene | 8260C | 17.5 | 20.0 | 87 | 73-118 |

ALS Group USA, Corp.
dba ALS Environmental

QC/QC Report

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

Service Request:R2302309
Date Analyzed:03/20/23 09:59

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa10\data\032023\B9131.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot: 798118

| Target Mass | Relative to Mass | Lower Limit % | Upper Limit % | Relative Abundance % | Raw Abundance | Result Pass/Fail |
|-------------|------------------|---------------|---------------|----------------------|---------------|------------------|
| 50 | 95 | 15 | 40 | 25.4 | 36824 | Pass |
| 75 | 95 | 30 | 60 | 50.1 | 72491 | Pass |
| 95 | 95 | 100 | 100 | 100.0 | 144736 | Pass |
| 96 | 95 | 5 | 9 | 6.9 | 9988 | Pass |
| 173 | 174 | 0 | 2 | 1.1 | 1340 | Pass |
| 174 | 95 | 50 | 120 | 86.0 | 124416 | Pass |
| 175 | 174 | 5 | 9 | 7.4 | 9261 | Pass |
| 176 | 174 | 95 | 101 | 99.2 | 123440 | Pass |
| 177 | 176 | 5 | 9 | 6.6 | 8133 | Pass |

| Sample Name | Lab Code | File ID: | Date Analyzed: | Q |
|-------------------------------------|--------------|---|----------------|---|
| Continuing Calibration Verification | RQ2303181-02 | I:\ACQUADATA\msvoa10\data\032023\B9132.D\ | 03/20/23 10:34 | |
| Lab Control Sample | RQ2303181-04 | I:\ACQUADATA\msvoa10\data\032023\B9134.D\ | 03/20/23 11:33 | |
| Method Blank | RQ2303181-06 | I:\ACQUADATA\msvoa10\data\032023\B9137.D\ | 03/20/23 13:03 | |
| TB-031623 | R2302309-001 | I:\ACQUADATA\msvoa10\data\032023\B9149.D\ | 03/20/23 17:40 | |
| FB-031623 | R2302309-006 | I:\ACQUADATA\msvoa10\data\032023\B9150.D\ | 03/20/23 18:03 | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2302309
Date Analyzed:03/20/23 10:34

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

File ID: I:\ACQUADATA\msvoa10\data\032023\B9132.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2303181-02
Analysis Lot:798118
Signal ID:1

| | 1,4-Dichlorobenzene-d4 | | 1,4-Difluorobenzene | | Chlorobenzene-d5 | |
|---------------------------|------------------------|-------|---------------------|------|------------------|------|
| | Area | RT | Area | RT | Area | RT |
| Result ==> | 281,754 | 11.86 | 530,207 | 6.49 | 497,877 | 9.81 |
| Upper Limit ==> | 563,508 | 12.03 | 1,060,414 | 6.66 | 995,754 | 9.98 |
| Lower Limit ==> | 140,877 | 11.69 | 265,104 | 6.32 | 248,939 | 9.64 |

Associated Analyses

| | | | | | | | |
|--------------------|--------------|--------|-------|--------|------|--------|------|
| Lab Control Sample | RQ2303181-04 | 268630 | 11.86 | 539543 | 6.49 | 504465 | 9.81 |
| Method Blank | RQ2303181-06 | 233636 | 11.86 | 526099 | 6.49 | 473159 | 9.81 |
| TB-031623 | R2302309-001 | 222883 | 11.86 | 506230 | 6.49 | 462674 | 9.81 |
| FB-031623 | R2302309-006 | 229704 | 11.86 | 515202 | 6.49 | 467518 | 9.81 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2302309
Date Analyzed:03/20/23 10:34

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

File ID: I:\ACQUADATA\msvoa10\data\032023\B9132.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2303181-02
Analysis Lot:798118
Signal ID:1

| | Pentafluorobenzene | |
|---------------------------|--------------------|------|
| | Area | RT |
| Result ==> | 340,113 | 5.39 |
| Upper Limit ==> | 680,226 | 5.56 |
| Lower Limit ==> | 170,057 | 5.22 |

Associated Analyses

| | | | |
|--------------------|--------------|--------|------|
| Lab Control Sample | RQ2303181-04 | 347417 | 5.39 |
| Method Blank | RQ2303181-06 | 336634 | 5.39 |
| TB-031623 | R2302309-001 | 322721 | 5.39 |
| FB-031623 | R2302309-006 | 331948 | 5.39 |

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

Service Request: R2302309

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 | 80-116 | 87-121 |
| MW-9 031623 | R2302309-002 | 97 | 95 | 96 |
| MW-10 031623 | R2302309-003 | 95 | 95 | 95 |
| MW-17 031623 | R2302309-004 | 96 | 95 | 94 |
| MW-16 031623 | R2302309-005 | 95 | 95 | 95 |
| MW-8 031623 | R2302309-007 | 98 | 96 | 97 |
| Dup-031623 | R2302309-008 | 94 | 94 | 92 |
| Method Blank | RQ2303181-05 | 96 | 94 | 94 |
| Lab Control Sample | RQ2303181-03 | 97 | 93 | 91 |

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: R2302309
Date Analyzed: 03/20/23 12:40
Date Extracted:

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

Sample Name: Method Blank
Lab Code: RQ2303181-05
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-10
File ID:I:\ACQUADATA\msvoa10\data\032023\B9136.D\
Analysis Lot:798118

This Method Blank applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|---|----------------------|
| Lab Control Sample | RQ2303181-03 | I:\ACQUADATA\msvoa10\data\032023\B9133.D\ | 03/20/23 11:11 |
| MW-9 031623 | R2302309-002 | I:\ACQUADATA\msvoa10\data\032023\B9151.D\ | 03/20/23 18:26 |
| MW-10 031623 | R2302309-003 | I:\ACQUADATA\msvoa10\data\032023\B9152.D\ | 03/20/23 18:48 |
| MW-17 031623 | R2302309-004 | I:\ACQUADATA\msvoa10\data\032023\B9153.D\ | 03/20/23 19:11 |
| MW-16 031623 | R2302309-005 | I:\ACQUADATA\msvoa10\data\032023\B9154.D\ | 03/20/23 19:34 |
| Dup-031623 | R2302309-008 | I:\ACQUADATA\msvoa10\data\032023\B9155.D\ | 03/20/23 19:57 |
| MW-8 031623 | R2302309-007 | I:\ACQUADATA\msvoa10\data\032023\B9156.D\ | 03/20/23 20:20 |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2303181-05

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) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 12:40 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 12:40 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 12:40 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 12:40 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 12:40 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 12:40 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 12:40 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 12:40 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 03/20/23 12:40 | |
| Dibromofluoromethane | 94 | 80 - 116 | 03/20/23 12:40 | |
| Toluene-d8 | 94 | 87 - 121 | 03/20/23 12:40 | |

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: R2302309
Date Analyzed: 03/20/23 11:11
Date Extracted:

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

Sample Name: Lab Control Sample
Lab Code: RQ2303181-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-10
File ID:I:\ACQUDATA\msvoa10\data\032023\B9133.D\
Analysis Lot:798118

This Lab Control Sample applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|--|----------------------|
| Method Blank | RQ2303181-05 | I:\ACQUDATA\msvoa10\data\032023\B9136.D\ | 03/20/23 12:40 |
| MW-9 031623 | R2302309-002 | I:\ACQUDATA\msvoa10\data\032023\B9151.D\ | 03/20/23 18:26 |
| MW-10 031623 | R2302309-003 | I:\ACQUDATA\msvoa10\data\032023\B9152.D\ | 03/20/23 18:48 |
| MW-17 031623 | R2302309-004 | I:\ACQUDATA\msvoa10\data\032023\B9153.D\ | 03/20/23 19:11 |
| MW-16 031623 | R2302309-005 | I:\ACQUDATA\msvoa10\data\032023\B9154.D\ | 03/20/23 19:34 |
| Dup-031623 | R2302309-008 | I:\ACQUDATA\msvoa10\data\032023\B9155.D\ | 03/20/23 19:57 |
| MW-8 031623 | R2302309-007 | I:\ACQUDATA\msvoa10\data\032023\B9156.D\ | 03/20/23 20:20 |

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: R2302309
Date Analyzed: 03/20/23

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2303181-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------------------|-------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 8260C | 20.9 | 20.0 | 104 | 75-125 |
| 1,1-Dichloroethane (1,1-DCA) | 8260C | 20.7 | 20.0 | 103 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260C | 19.7 | 20.0 | 99 | 71-118 |
| Tetrachloroethene (PCE) | 8260C | 20.5 | 20.0 | 102 | 72-125 |
| Trichloroethene (TCE) | 8260C | 19.4 | 20.0 | 97 | 74-122 |
| Vinyl Chloride | 8260C | 18.2 | 20.0 | 91 | 74-159 |
| cis-1,2-Dichloroethene | 8260C | 20.2 | 20.0 | 101 | 80-121 |
| trans-1,2-Dichloroethene | 8260C | 20.0 | 20.0 | 100 | 73-118 |

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

Service Request:R2302309
Date Analyzed:03/20/23 09:59

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUADATA\msvoa10\data\032023\B9131.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot: 798118

| Target Mass | Relative to Mass | Lower Limit % | Upper Limit % | Relative Abundance % | Raw Abundance | Result Pass/Fail |
|-------------|------------------|---------------|---------------|----------------------|---------------|------------------|
| 50 | 95 | 15 | 40 | 25.4 | 36824 | Pass |
| 75 | 95 | 30 | 60 | 50.1 | 72491 | Pass |
| 95 | 95 | 100 | 100 | 100.0 | 144736 | Pass |
| 96 | 95 | 5 | 9 | 6.9 | 9988 | Pass |
| 173 | 174 | 0 | 2 | 1.1 | 1340 | Pass |
| 174 | 95 | 50 | 120 | 86.0 | 124416 | Pass |
| 175 | 174 | 5 | 9 | 7.4 | 9261 | Pass |
| 176 | 174 | 95 | 101 | 99.2 | 123440 | Pass |
| 177 | 176 | 5 | 9 | 6.6 | 8133 | Pass |

| Sample Name | Lab Code | File ID: | Date Analyzed: | Q |
|-------------------------------------|--------------|---|----------------|---|
| Continuing Calibration Verification | RQ2303181-02 | I:\ACQUADATA\msvoa10\data\032023\B9132.D\ | 03/20/23 10:34 | |
| Lab Control Sample | RQ2303181-03 | I:\ACQUADATA\msvoa10\data\032023\B9133.D\ | 03/20/23 11:11 | |
| Method Blank | RQ2303181-05 | I:\ACQUADATA\msvoa10\data\032023\B9136.D\ | 03/20/23 12:40 | |
| MW-9 031623 | R2302309-002 | I:\ACQUADATA\msvoa10\data\032023\B9151.D\ | 03/20/23 18:26 | |
| MW-10 031623 | R2302309-003 | I:\ACQUADATA\msvoa10\data\032023\B9152.D\ | 03/20/23 18:48 | |
| MW-17 031623 | R2302309-004 | I:\ACQUADATA\msvoa10\data\032023\B9153.D\ | 03/20/23 19:11 | |
| MW-16 031623 | R2302309-005 | I:\ACQUADATA\msvoa10\data\032023\B9154.D\ | 03/20/23 19:34 | |
| Dup-031623 | R2302309-008 | I:\ACQUADATA\msvoa10\data\032023\B9155.D\ | 03/20/23 19:57 | |
| MW-8 031623 | R2302309-007 | I:\ACQUADATA\msvoa10\data\032023\B9156.D\ | 03/20/23 20:20 | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2302309
Date Analyzed:03/20/23 10:34

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

File ID: I:\ACQUADATA\msvoa10\data\032023\B9132.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2303181-02
Analysis Lot:798118
Signal ID:1

| | 1,4-Dichlorobenzene-d4 | | 1,4-Difluorobenzene | | Chlorobenzene-d5 | |
|---------------------------|------------------------|-------|---------------------|------|------------------|------|
| | Area | RT | Area | RT | Area | RT |
| Result ==> | 281,754 | 11.86 | 530,207 | 6.49 | 497,877 | 9.81 |
| Upper Limit ==> | 563,508 | 12.03 | 1,060,414 | 6.66 | 995,754 | 9.98 |
| Lower Limit ==> | 140,877 | 11.69 | 265,104 | 6.32 | 248,939 | 9.64 |

Associated Analyses

| Sample Name | Lab Code | Area | RT | Area | RT | Area | RT |
|--------------------|--------------|--------|-------|--------|------|--------|------|
| Lab Control Sample | RQ2303181-03 | 281487 | 11.86 | 558733 | 6.49 | 520377 | 9.81 |
| Method Blank | RQ2303181-05 | 238099 | 11.86 | 525602 | 6.49 | 480728 | 9.81 |
| MW-9 031623 | R2302309-002 | 223642 | 11.86 | 501060 | 6.49 | 457927 | 9.81 |
| MW-10 031623 | R2302309-003 | 224852 | 11.86 | 512337 | 6.49 | 466771 | 9.81 |
| MW-17 031623 | R2302309-004 | 223889 | 11.86 | 493175 | 6.49 | 444219 | 9.81 |
| MW-16 031623 | R2302309-005 | 222830 | 11.86 | 498967 | 6.49 | 456259 | 9.81 |
| Dup-031623 | R2302309-008 | 217964 | 11.86 | 504709 | 6.49 | 448223 | 9.81 |
| MW-8 031623 | R2302309-007 | 223623 | 11.86 | 496750 | 6.49 | 454059 | 9.81 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2302309
Date Analyzed:03/20/23 10:34

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

File ID: I:\ACQUADATA\msvoa10\data\032023\B9132.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2303181-02
Analysis Lot:798118
Signal ID:1

| | Pentafluorobenzene | |
|---------------------------|--------------------|------|
| | Area | RT |
| Result ==> | 340,113 | 5.39 |
| Upper Limit ==> | 680,226 | 5.56 |
| Lower Limit ==> | 170,057 | 5.22 |

Associated Analyses

| Lab Control Sample | RQ2303181-03 | 355797 | 5.39 |
|--------------------|--------------|--------|------|
| Method Blank | RQ2303181-05 | 338057 | 5.39 |
| MW-9 031623 | R2302309-002 | 324354 | 5.40 |
| MW-10 031623 | R2302309-003 | 325364 | 5.39 |
| MW-17 031623 | R2302309-004 | 315051 | 5.39 |
| MW-16 031623 | R2302309-005 | 322397 | 5.39 |
| Dup-031623 | R2302309-008 | 322632 | 5.39 |
| MW-8 031623 | R2302309-007 | 317903 | 5.39 |



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

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 08:30

Sample Name: TB-031623
Lab Code: R2302309-001

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) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 17:40 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 17:40 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 17:40 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 03/20/23 17:40 | |
| Dibromofluoromethane | 96 | 80 - 116 | 03/20/23 17:40 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 17:40 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 16:00
Date Received: 03/17/23 08:30

Sample Name: FB-031623
Lab Code: R2302309-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

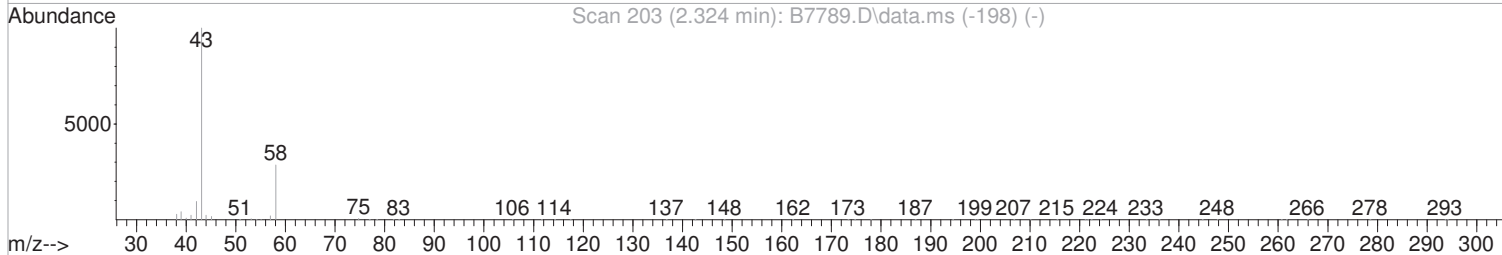
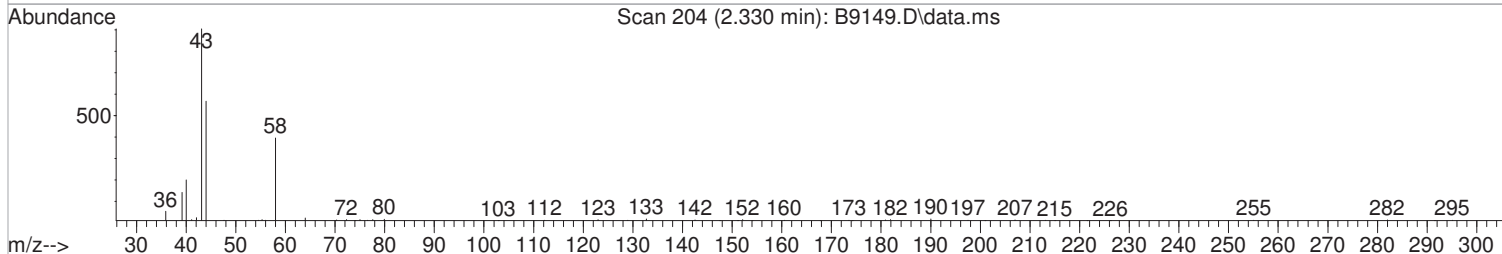
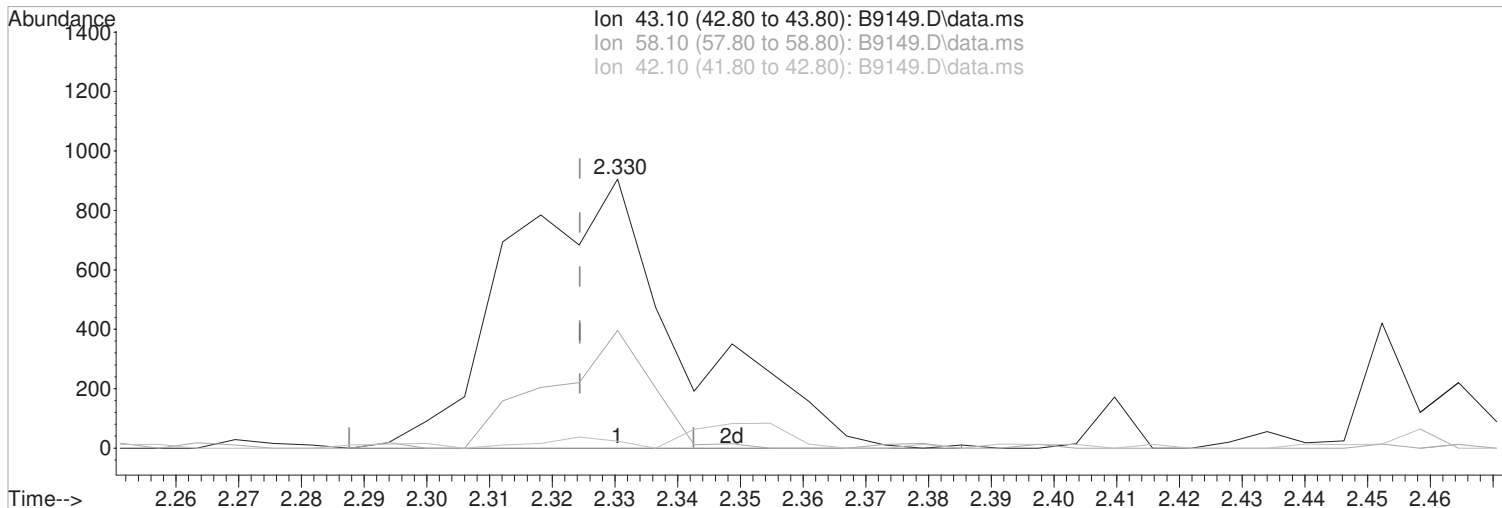
| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|------------------------------|--------|-----|------|------|----------------|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 18:03 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 18:03 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:03 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 03/20/23 18:03 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 18:03 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 18:03 | |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9149.D
Acq On : 20 Mar 2023 5:40 pm
Operator : F.NAEGLER
Sample : R2302309-001|1.0
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:39:57 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(16) Acetone (P)
2.330min (+0.006) 1.14 ug/L m
response 1769

Manual Integration:
After
Poor integration.

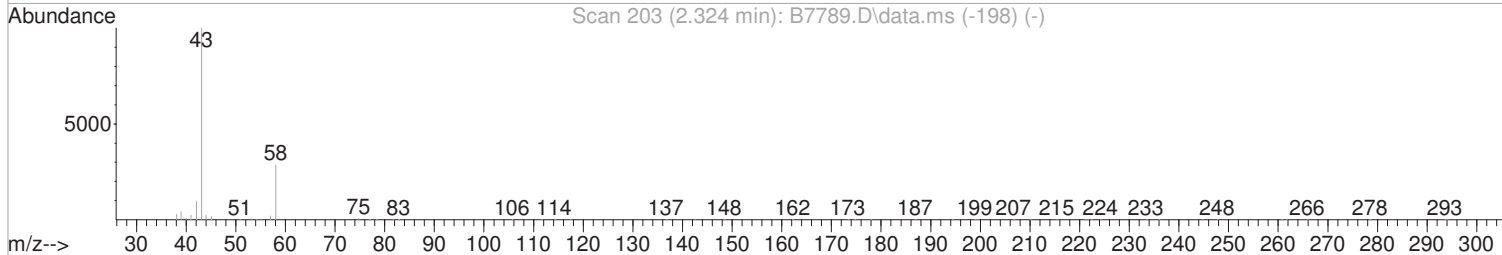
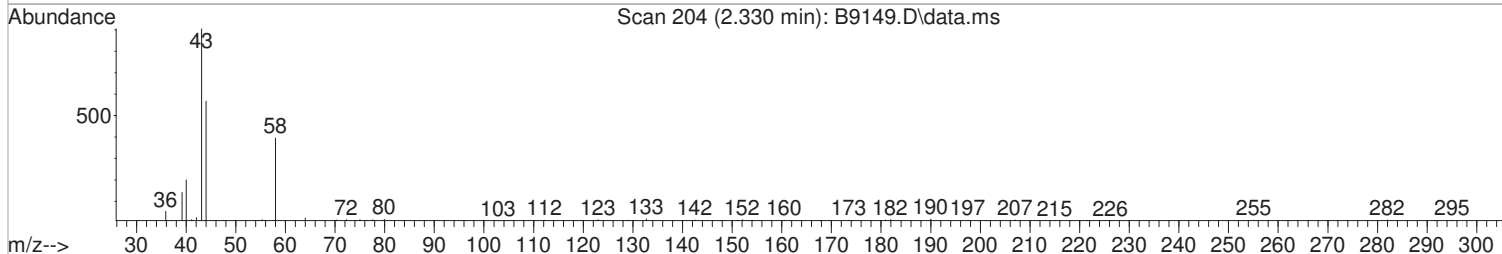
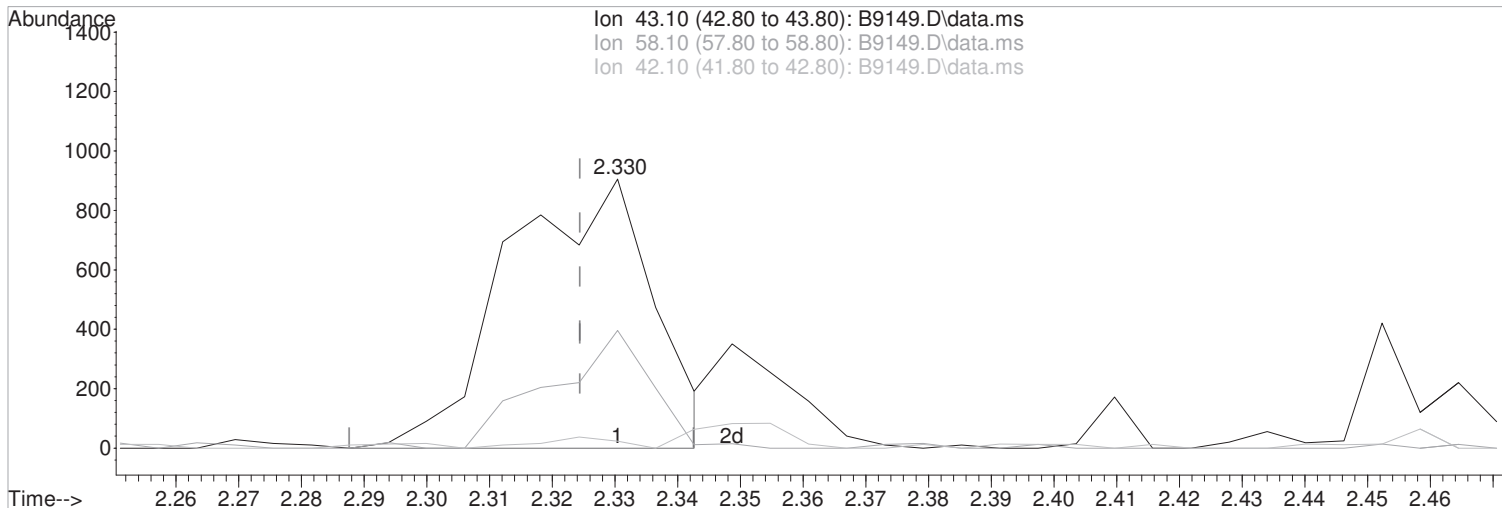
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 58.10 | 28.50 | 43.76 |
| 42.10 | 9.60 | 2.54 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9149.D
Acq On : 20 Mar 2023 5:40 pm
Operator : F.NAEGLER
Sample : R2302309-001|1.0
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:39:57 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9149.D\data.ms

(16) Acetone (P)
2.330min (+0.006) 0.94 ug/L
response 1468

Manual Integration:
Before

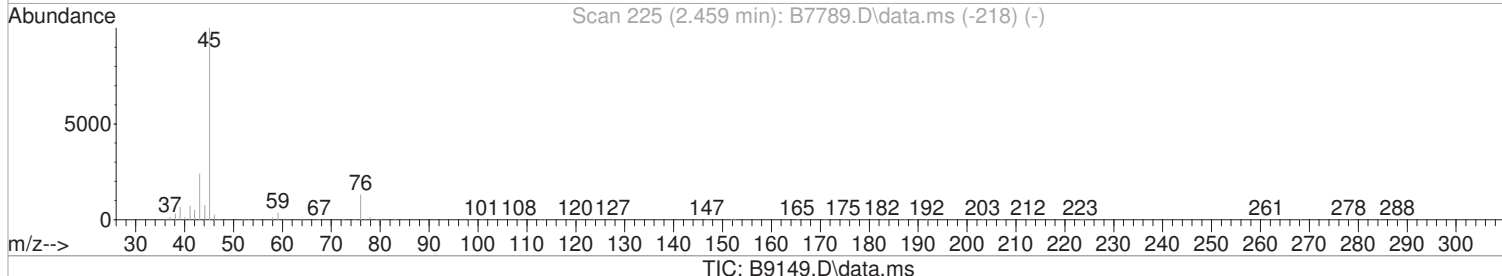
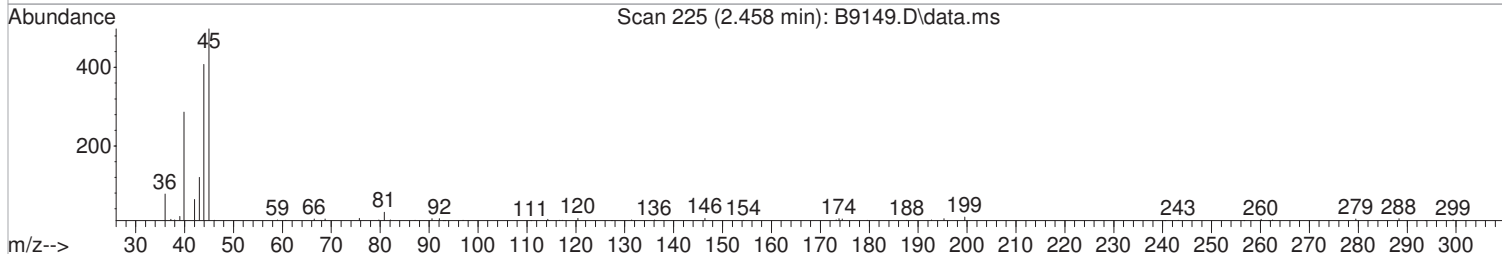
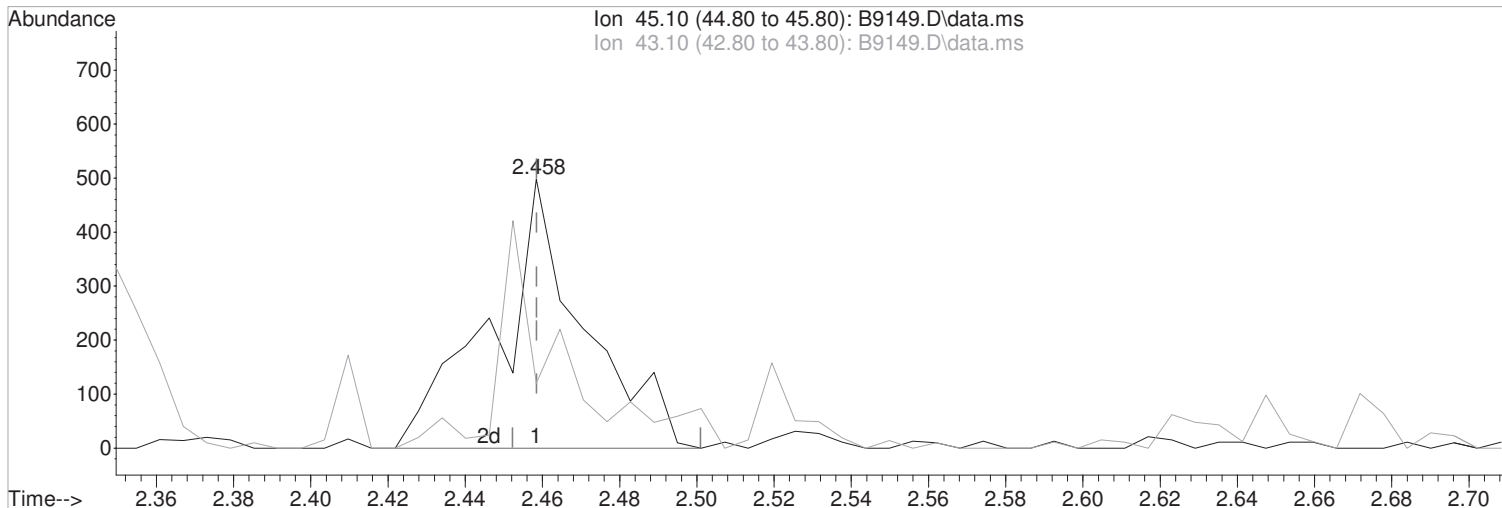
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 58.10 | 28.50 | 43.76 |
| 42.10 | 9.60 | 2.54 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9149.D
Acq On : 20 Mar 2023 5:40 pm
Operator : F.NAEGLER
Sample : R2302309-001|1.0
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:39:57 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(17) 2-Propanol
2.458min (-0.000) 2.90 ug/L m
response 806

Manual Integration:

After

Poor integration.

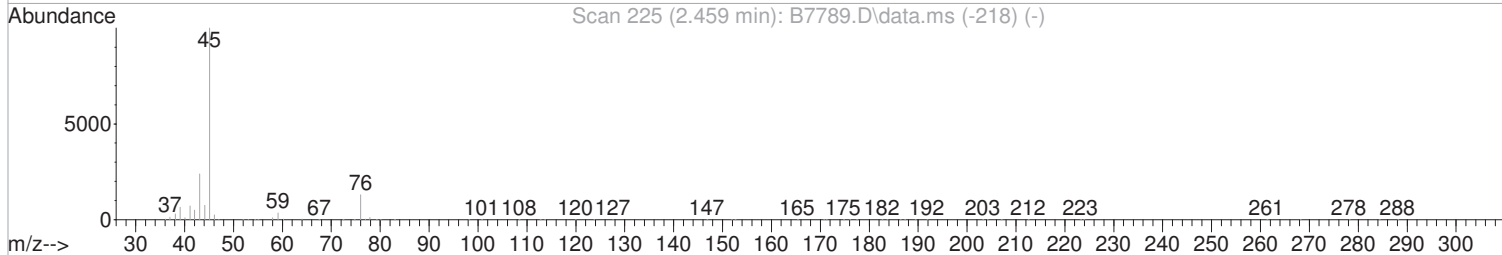
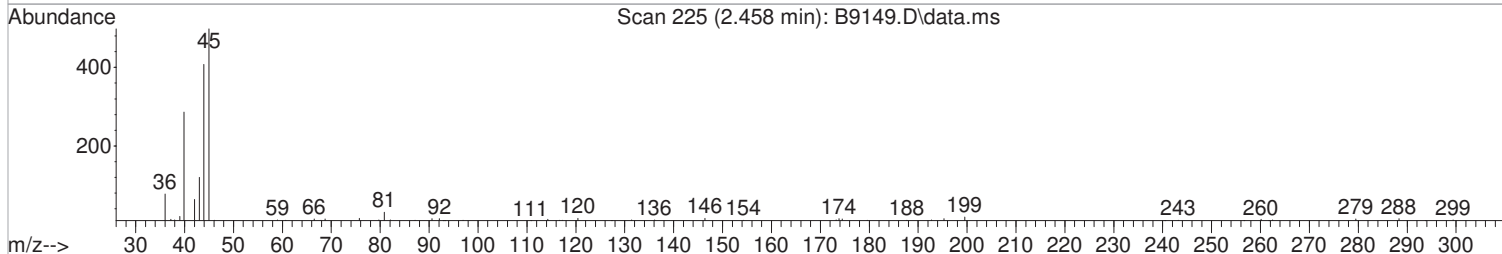
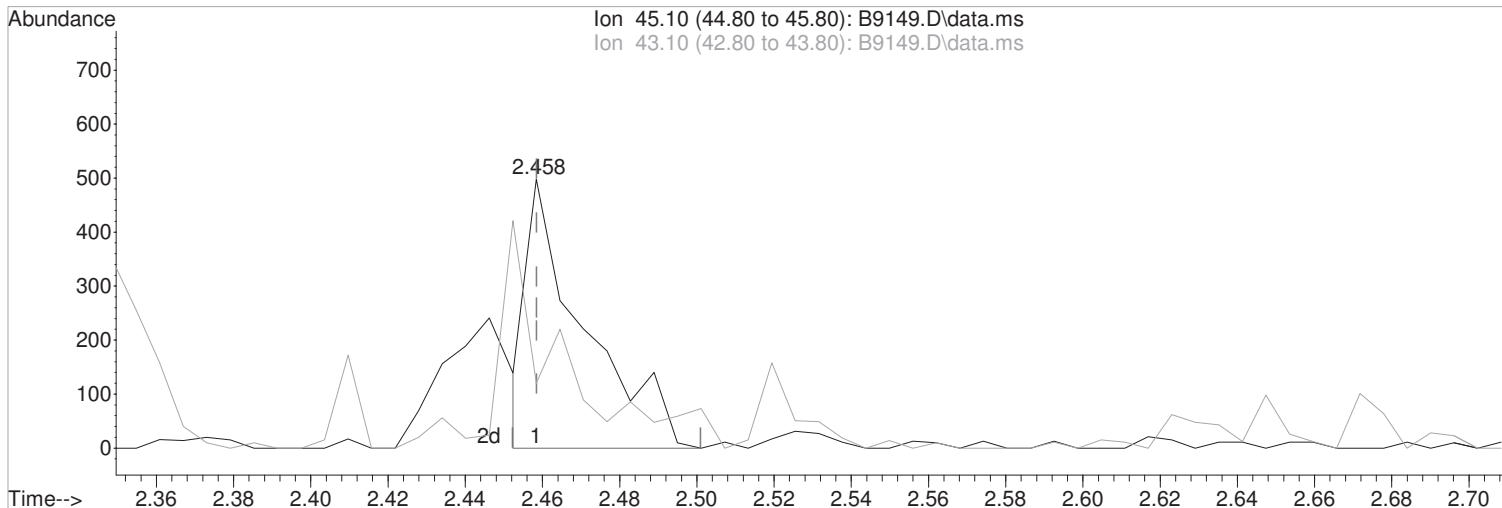
03/21/23

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 43.10 | 23.90 | 24.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9149.D
Acq On : 20 Mar 2023 5:40 pm
Operator : F.NAEGLER
Sample : R2302309-001|1.0
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:39:57 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9149.D\data.ms

(17) 2-Propanol
2.458min (-0.000) 1.85 ug/L
response 515

Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 43.10 | 23.90 | 24.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9149.D
 Acq On : 20 Mar 2023 5:40 pm
 Operator : F.NAEGLER
 Sample : R2302309-001|1.0 Inst : MSVOA10
 Misc : VCG 6646 T4
 ALS Vial : 18 Sample Multiplier: 1

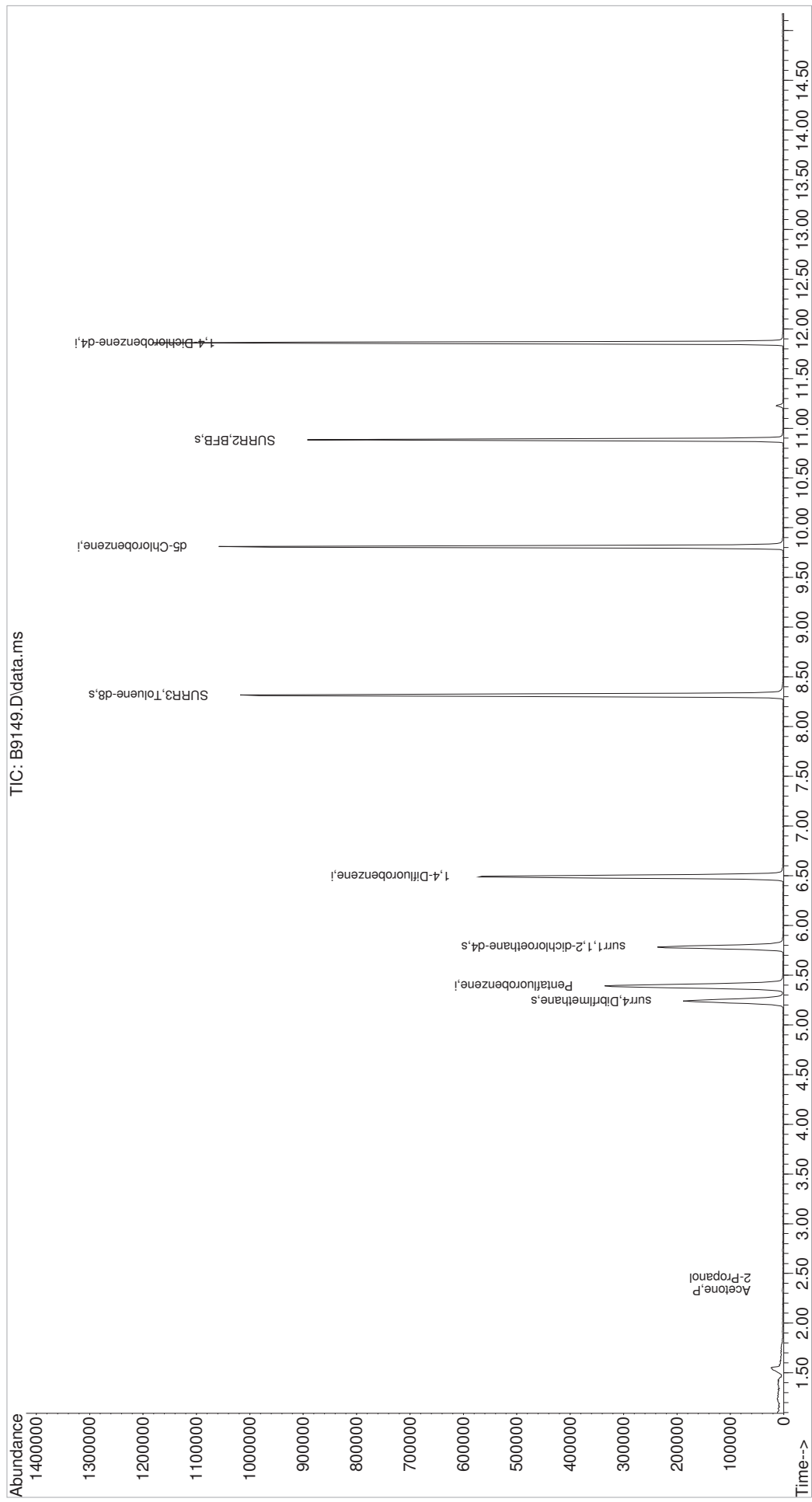
Quant Time: Mar 21 09:48:43 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

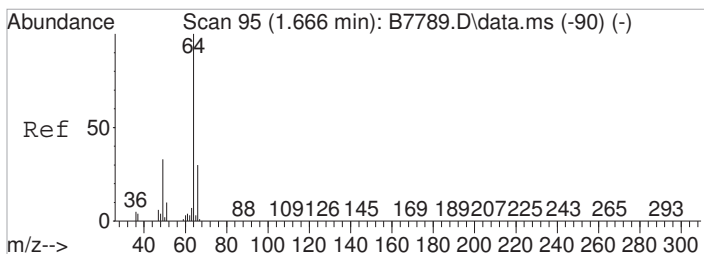
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|------------|-----------|----------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 322721 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 506230 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 462674 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 222883 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.238 | 113 | 157043 | 47.91 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 95.82% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 193481 | 50.80 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 101.60% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 608620 | 47.73 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 95.46% | | |
| 70) SURR2,BFB | 10.884 | 95 | 213927 | 47.53 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 95.06% | | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.581 | 64 | 375 | Below Cal | Qvalue # | 58 |
| 16) Acetone | 2.330 | 43 | 1769m | 1.14 | ug/L | |
| 17) 2-Propanol | 2.458 | 45 | 806m | 2.90 | ug/L | |

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

Quantitation Report (QT Reviewed)

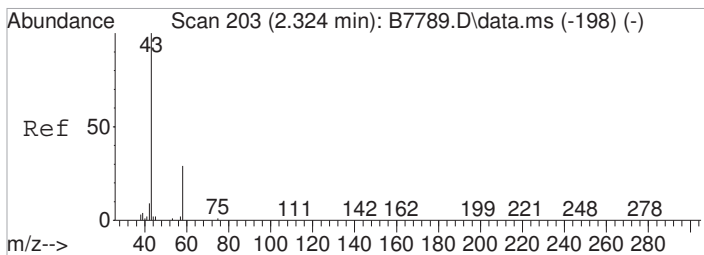
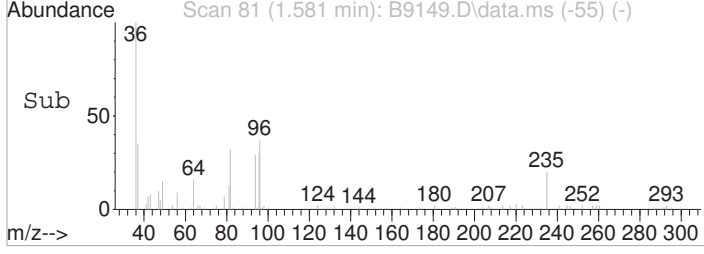
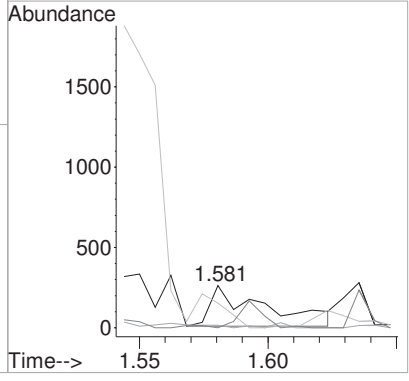
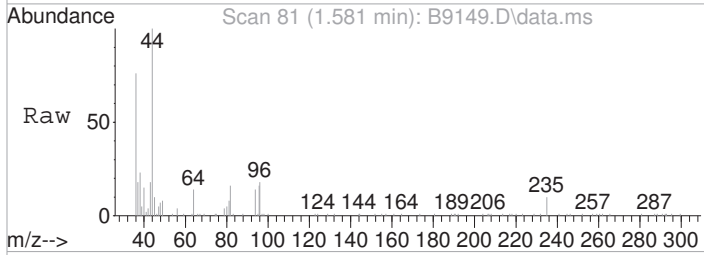
Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9149.D
Acq On : 20 Mar 2023 5:40 pm
Operator : F.NAEGLER
Sample : R2302309-001|1.0
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1
Inst : MSVOA10
Quant Time: Mar 21 09:48:43 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





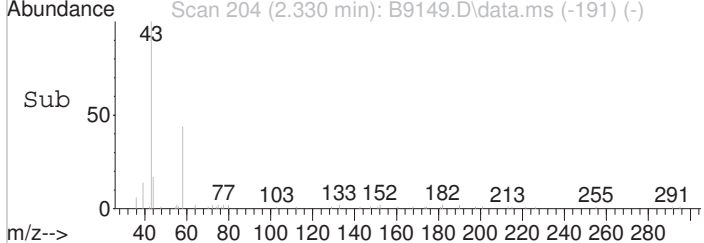
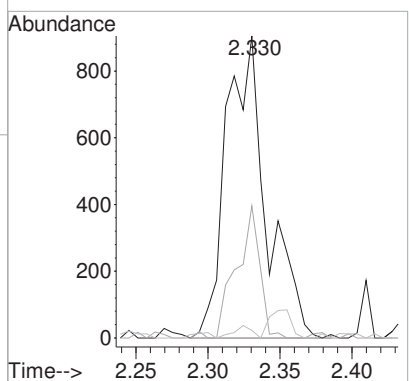
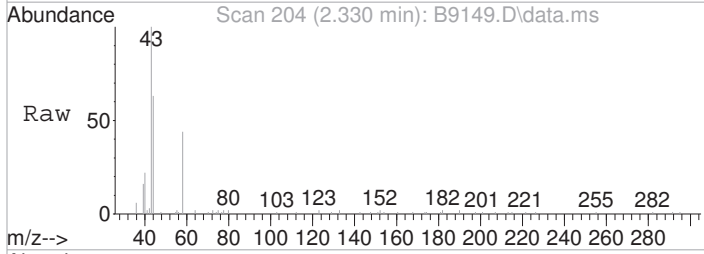
#7
 Chloroethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. -0.085 min
 Lab File: B9149.D
 Acq: 20 Mar 2023 5:40 pm

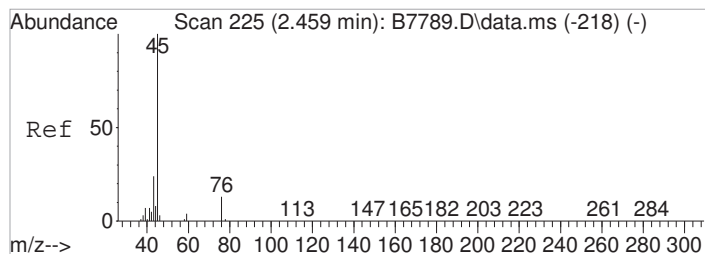
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 64 | 100 | | |
| 66 | 6.1 | 9.9 | 49.9# |
| 49 | 58.4 | 13.4 | 53.4# |
| 51 | 0.0 | 0.0 | 29.7 |



#16
 Acetone
 Concen: 1.14 ug/L m
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B9149.D
 Acq: 20 Mar 2023 5:40 pm

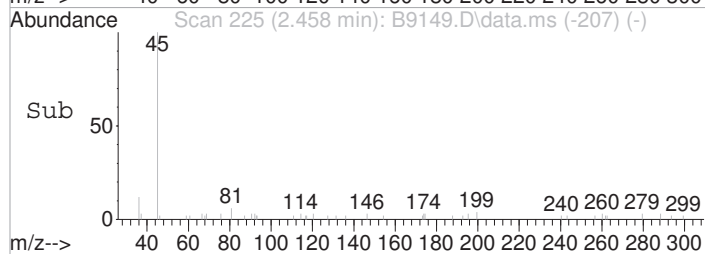
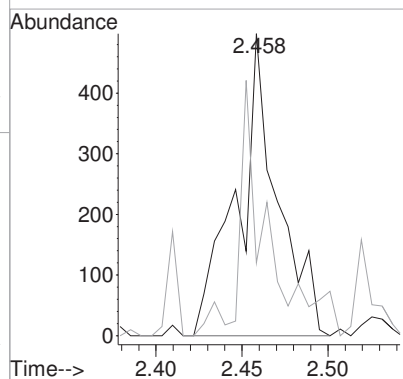
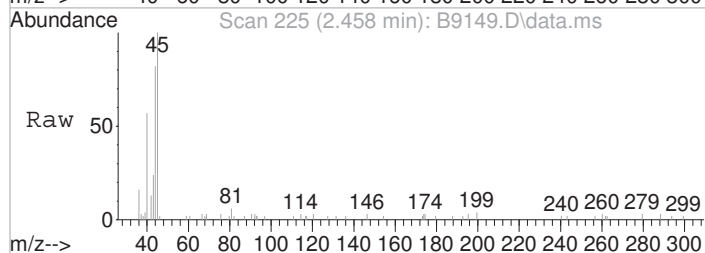
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 43.8 | 8.5 | 48.5 |
| 42 | 2.5 | 0.0 | 29.6 |





#17
2-Propanol
Concen: 2.90 ug/L m
RT: 2.458 min Scan# 225
Delta R.T. -0.000 min
Lab File: B9149.D
Acq: 20 Mar 2023 5:40 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 100 | | |
| 43 | 24.1 | 3.9 | 43.9 |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9150.D
 Acq On : 20 Mar 2023 6:03 pm
 Operator : F.NAEGLER
 Sample : R2302309-006|1.0 Inst : MSVOA10
 Misc : VCG 6646 T4
 ALS Vial : 19 Sample Multiplier: 1

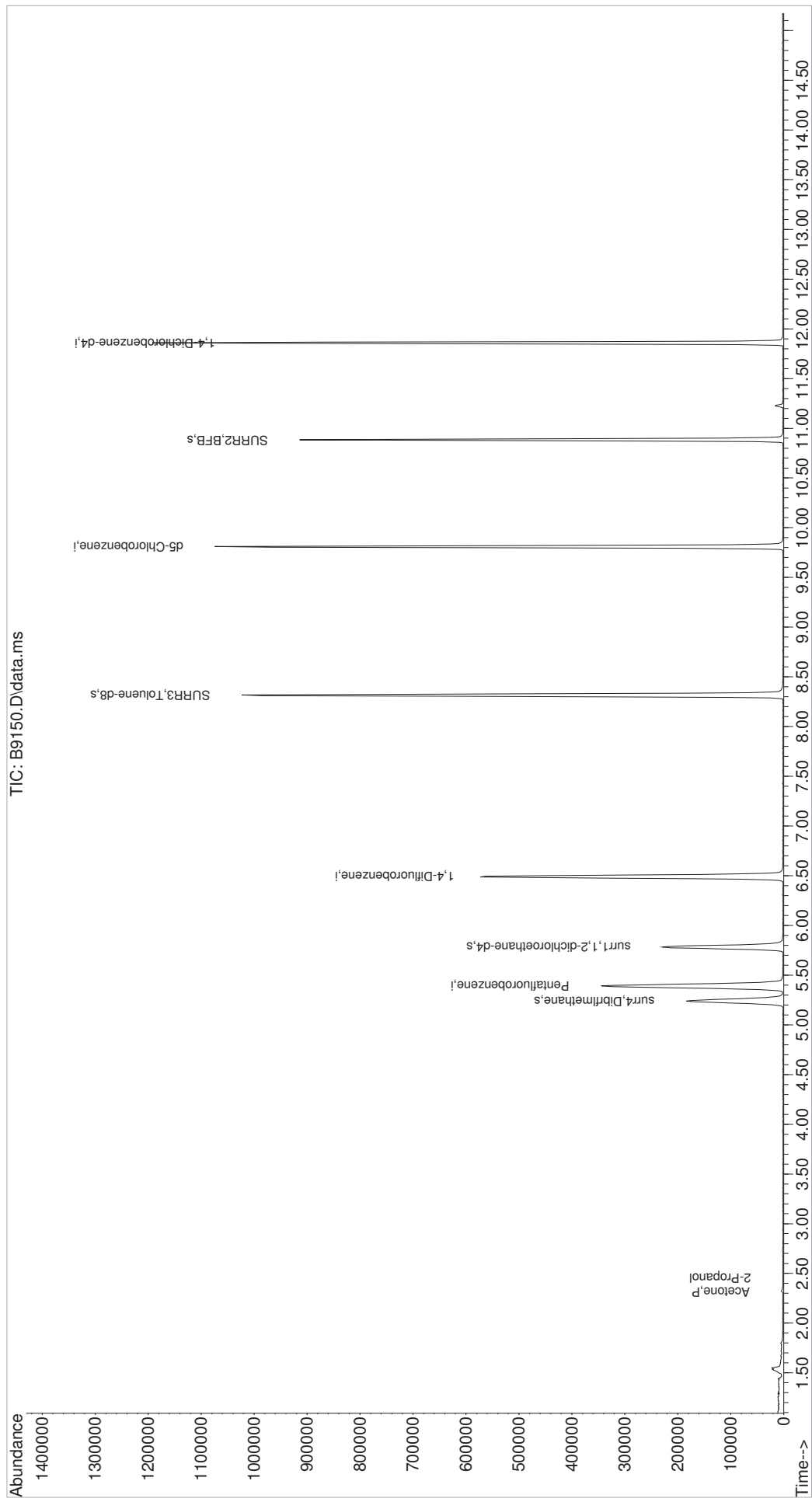
Quant Time: Mar 21 09:49:33 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

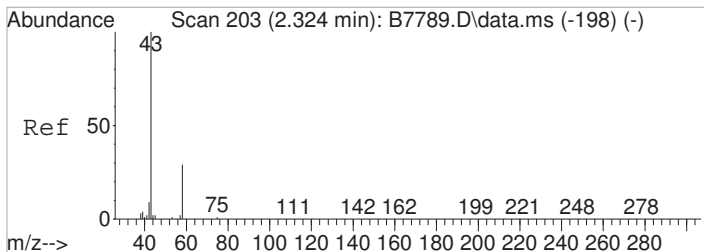
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|------------|--------|--------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 331948 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 515202 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 467518 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 229704 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.239 | 113 | 158746 | 47.59 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 95.18% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 190702 | 49.20 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 98.40% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 615732 | 47.45 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 94.90% | | |
| 70) SURR2,BFB | 10.884 | 95 | 216226 | 47.20 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 94.40% | | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.318 | 43 | 3223 | 2.01 | ug/L | 72 |
| 17) 2-Propanol | 2.452 | 45 | 557 | 1.95 | ug/L # | 1 |

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

Quantitation Report (QT Reviewed)

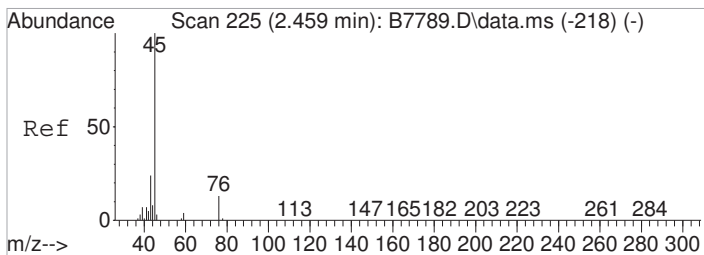
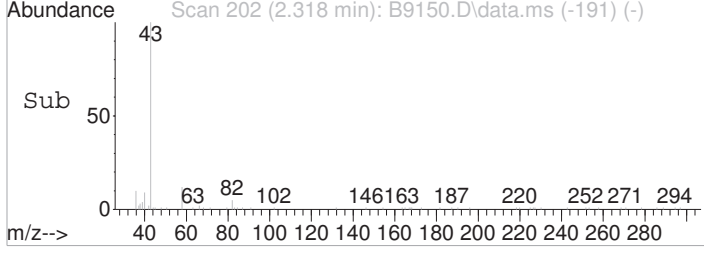
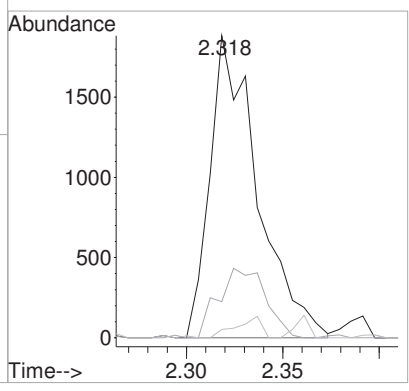
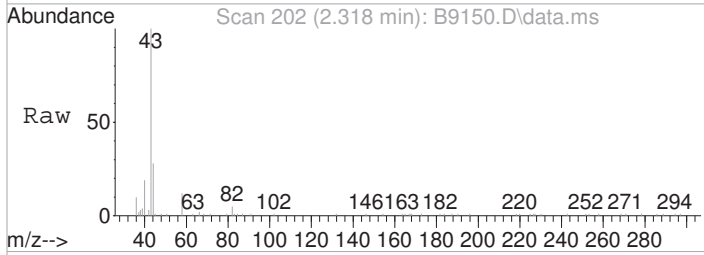
Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9150.D
Acq On : 20 Mar 2023 6:03 pm
Operator : F.NAEGLER
Sample : R2302309-006|1.0
Misc : VCG 6646 T4
ALS Vial : 19 Sample Multiplier: 1
Inst : MSVOA10
Quant Time: Mar 21 09:49:33 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





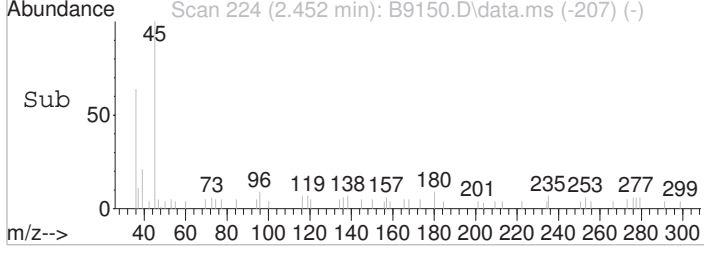
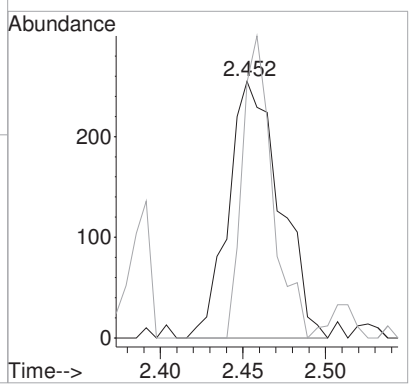
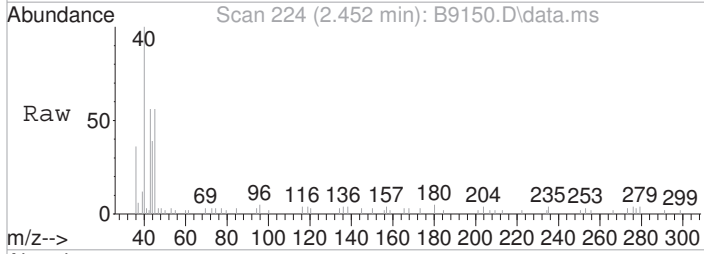
#16
 Acetone
 Concen: 2.01 ug/L
 RT: 2.318 min Scan# 202
 Delta R.T. -0.006 min
 Lab File: B9150.D
 Acq: 20 Mar 2023 6:03 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 11.9 | 8.5 | 48.5 |
| 42 | 2.7 | 0.0 | 29.6 |



#17
 2-Propanol
 Concen: 1.95 ug/L
 RT: 2.452 min Scan# 224
 Delta R.T. -0.006 min
 Lab File: B9150.D
 Acq: 20 Mar 2023 6:03 pm

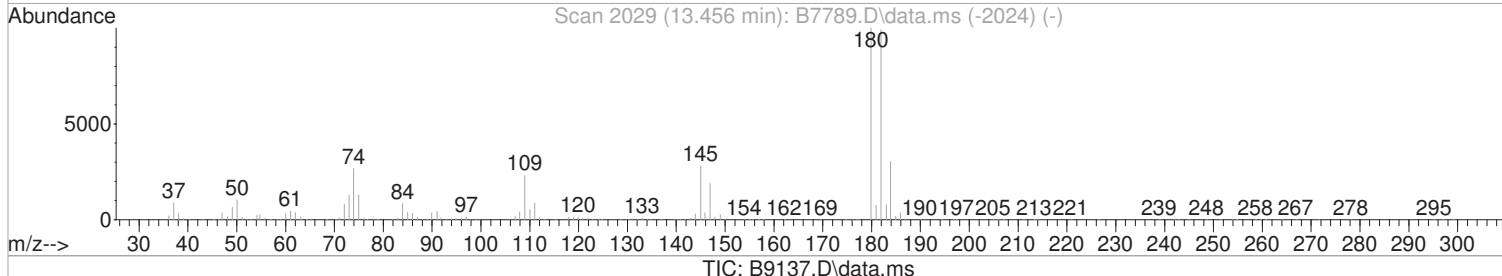
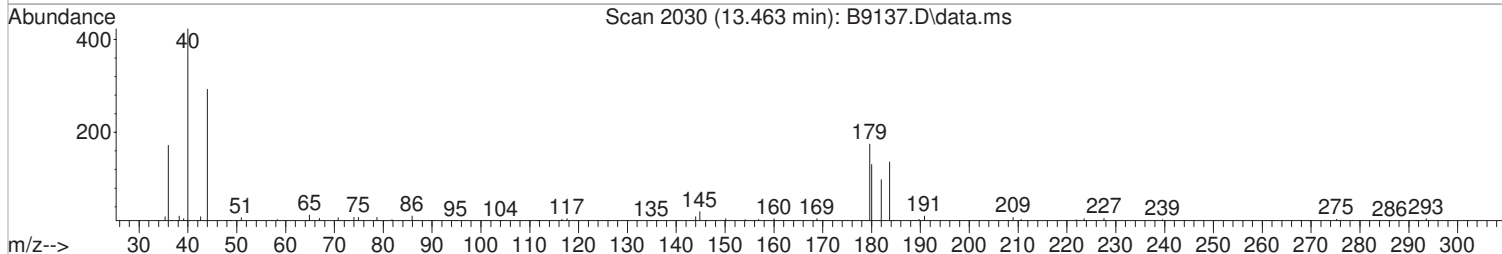
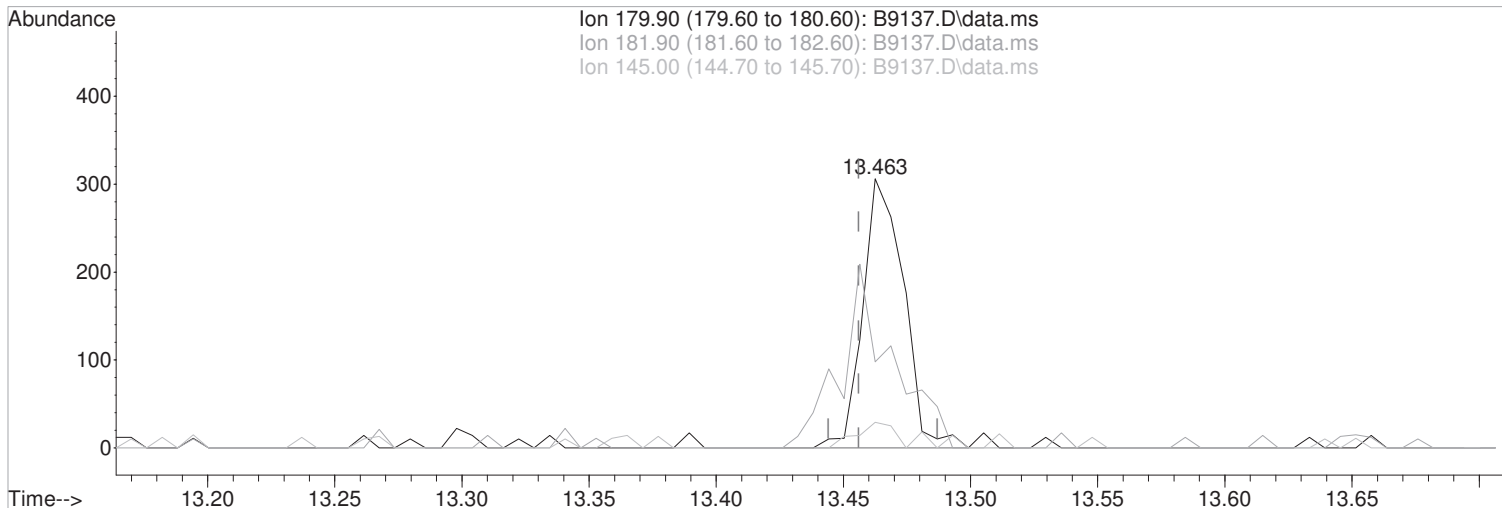
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 100 | | |
| 43 | 99.6 | 3.9 | 43.9# |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9137.D
Acq On : 20 Mar 2023 1:03 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:19:34 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



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

13.463min (+0.007) 0.25 ug/L m
response 341

| Ion | Exp% | Act% |
|--------|-------|--------|
| 179.90 | 100 | 100 |
| 181.90 | 99.10 | 56.00# |
| 145.00 | 28.10 | 16.57 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

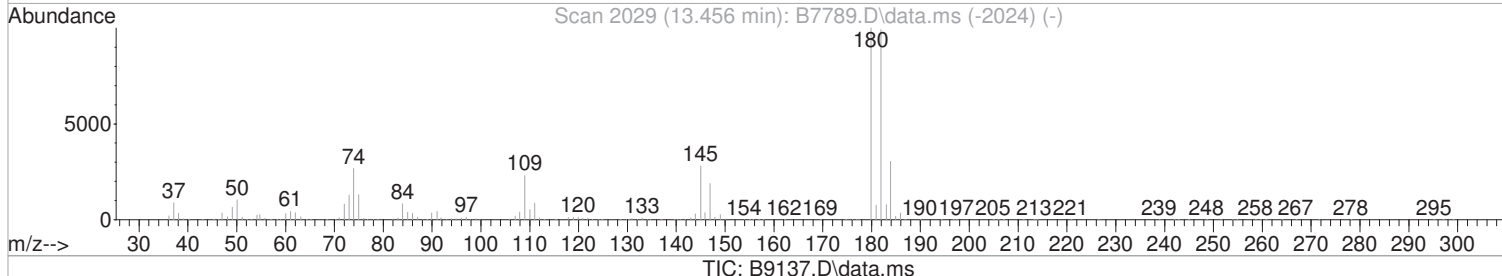
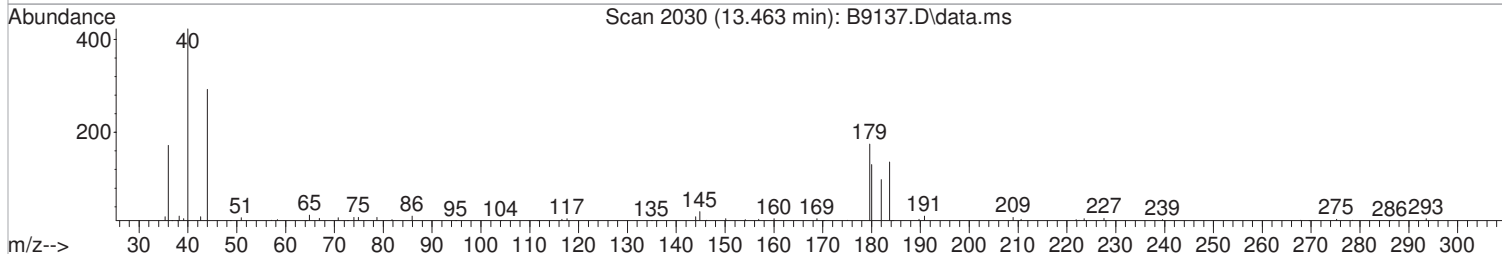
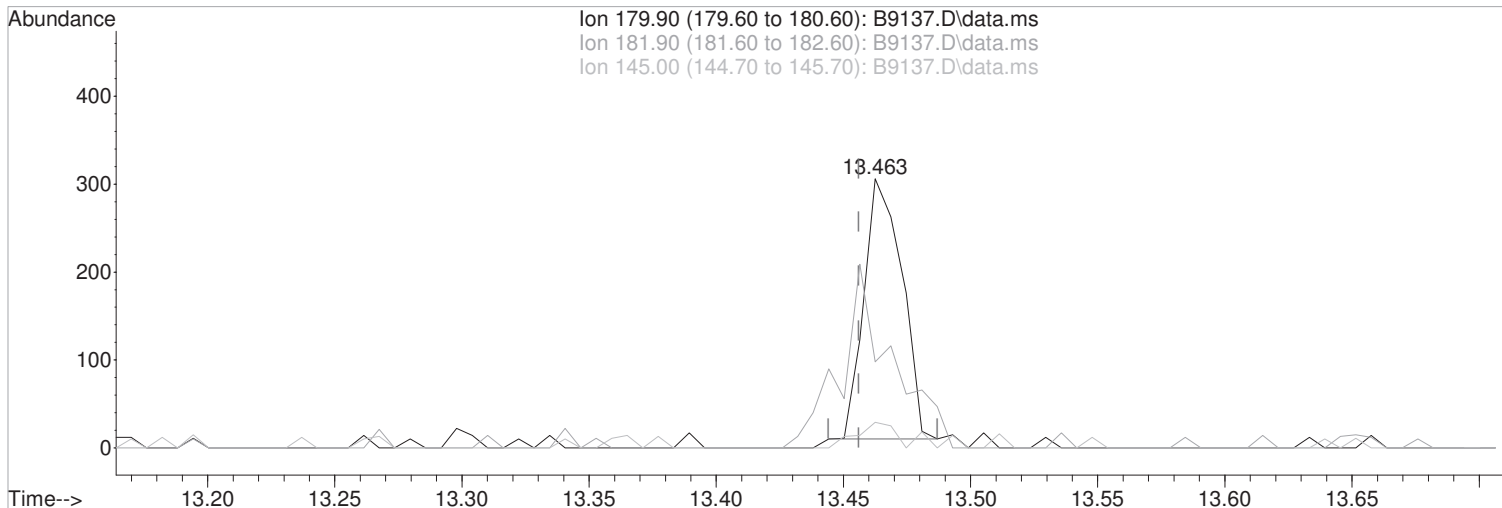
Poor integration.

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9137.D
Acq On : 20 Mar 2023 1:03 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:19:34 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(115) 1,2,4-Tcbenzene (P)
13.463min (+0.007) 0.24 ug/L
response 307

Manual Integration:
Before

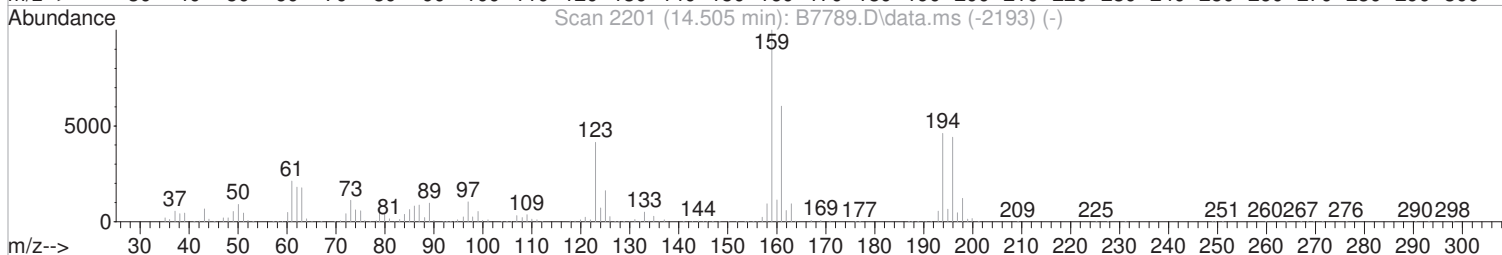
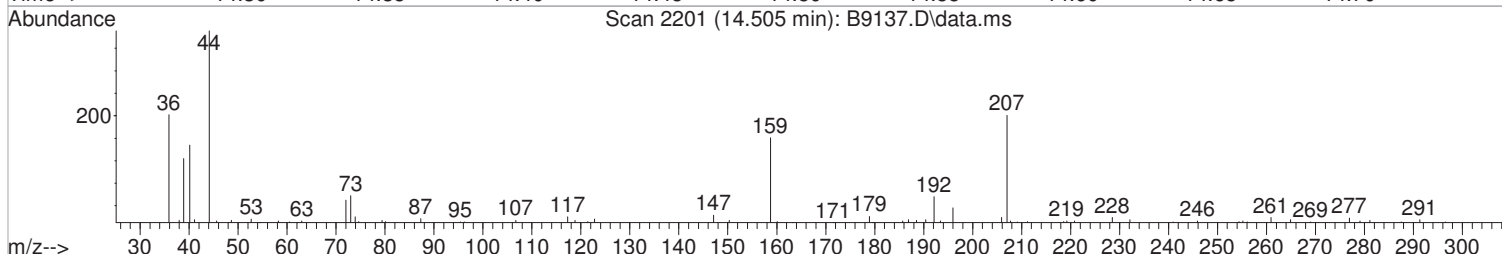
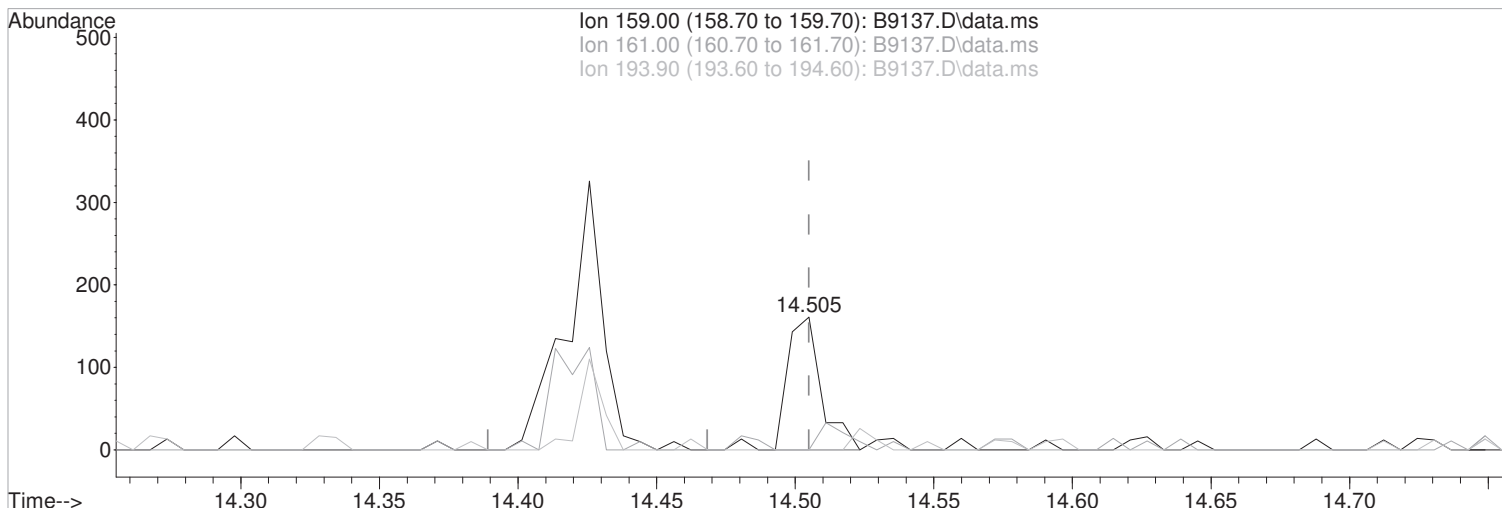
| Ion | Exp% | Act% |
|--------|-------|--------|
| 179.90 | 100 | 100 |
| 181.90 | 99.10 | 32.03# |
| 145.00 | 28.10 | 9.48 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9137.D
Acq On : 20 Mar 2023 1:03 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:19:34 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(120) 2,3,6-Trichlorotoluene
14.505min (-0.000) 0.82 ug/L m
response 135

Manual Integration:
After
Wrong peak selected.

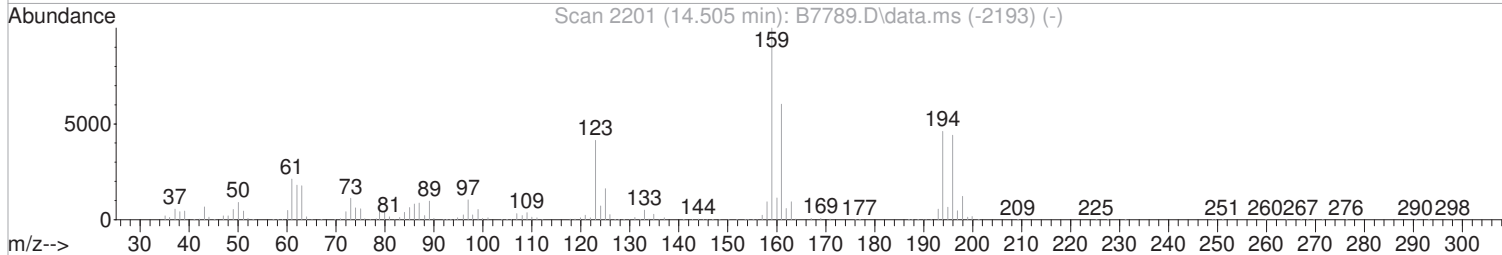
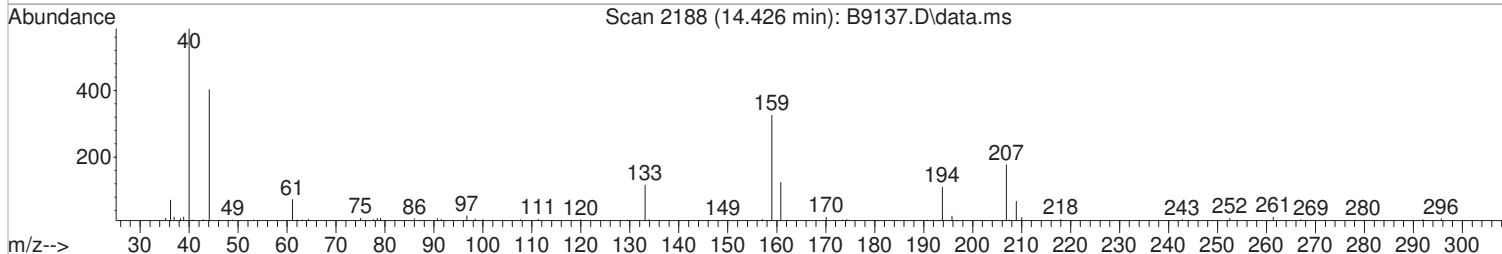
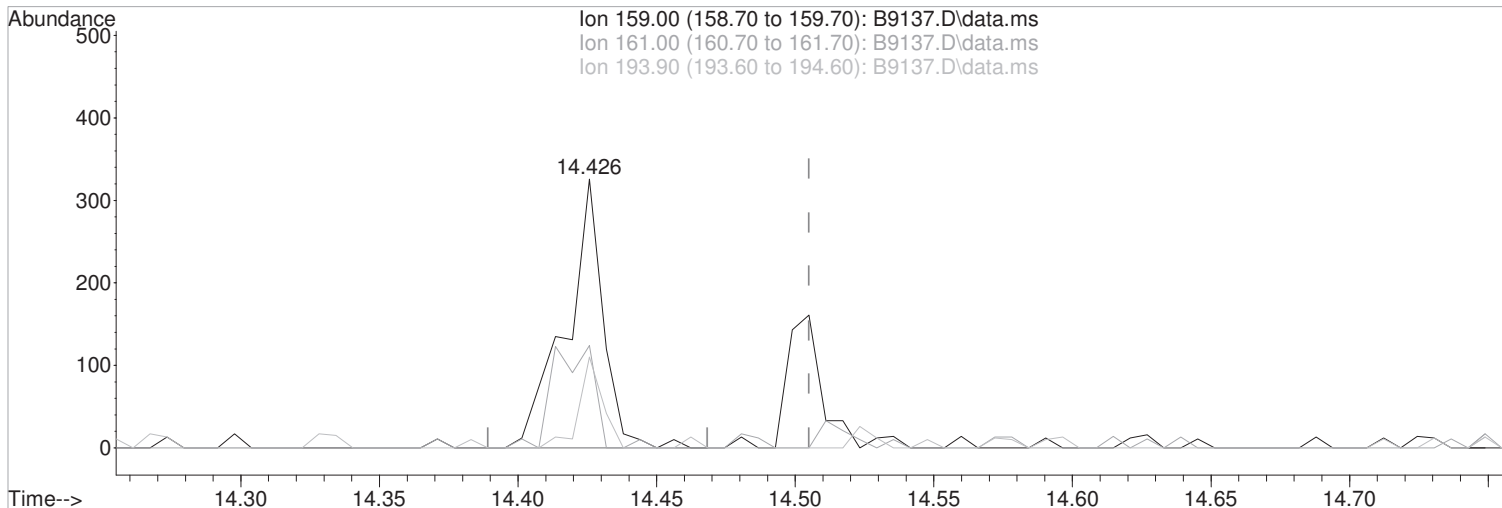
| Ion | Exp% | Act% |
|--------|-------|-------|
| 159.00 | 100 | 100 |
| 161.00 | 60.40 | 0.00# |
| 193.90 | 46.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9137.D
Acq On : 20 Mar 2023 1:03 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:19:34 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9137.D\data.ms

(120) 2,3,6-Trichlorotoluene
14.426min (-0.079) 0.93 ug/L
response 305

Manual Integration:
Before

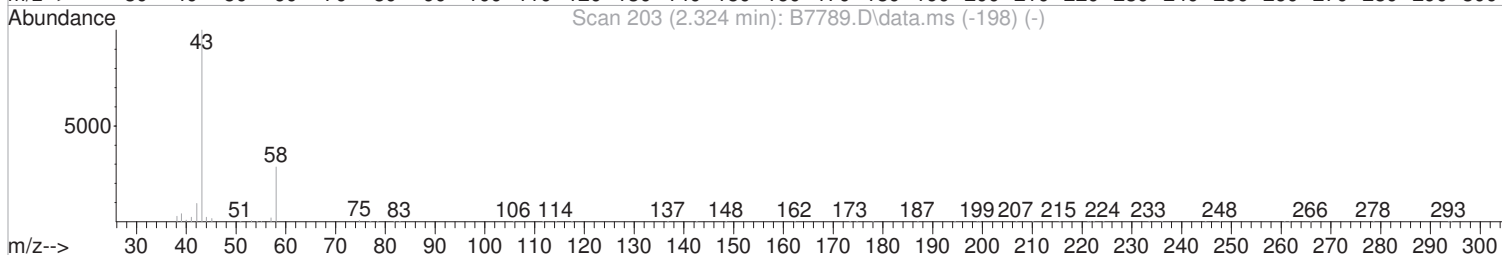
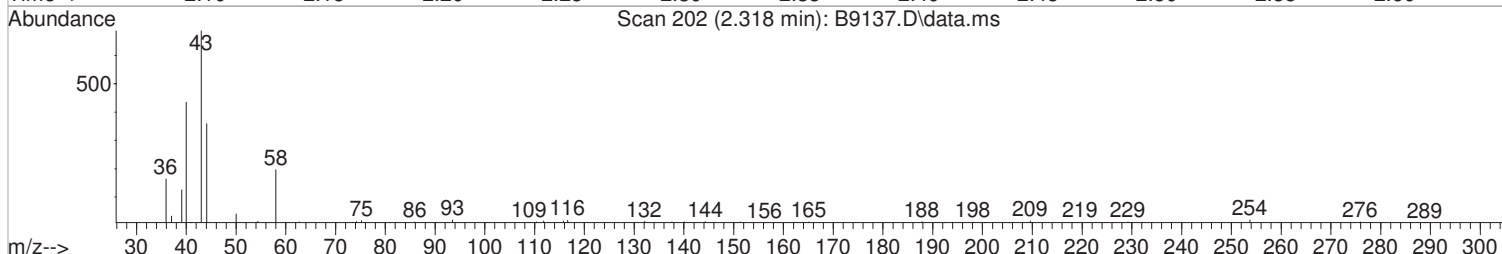
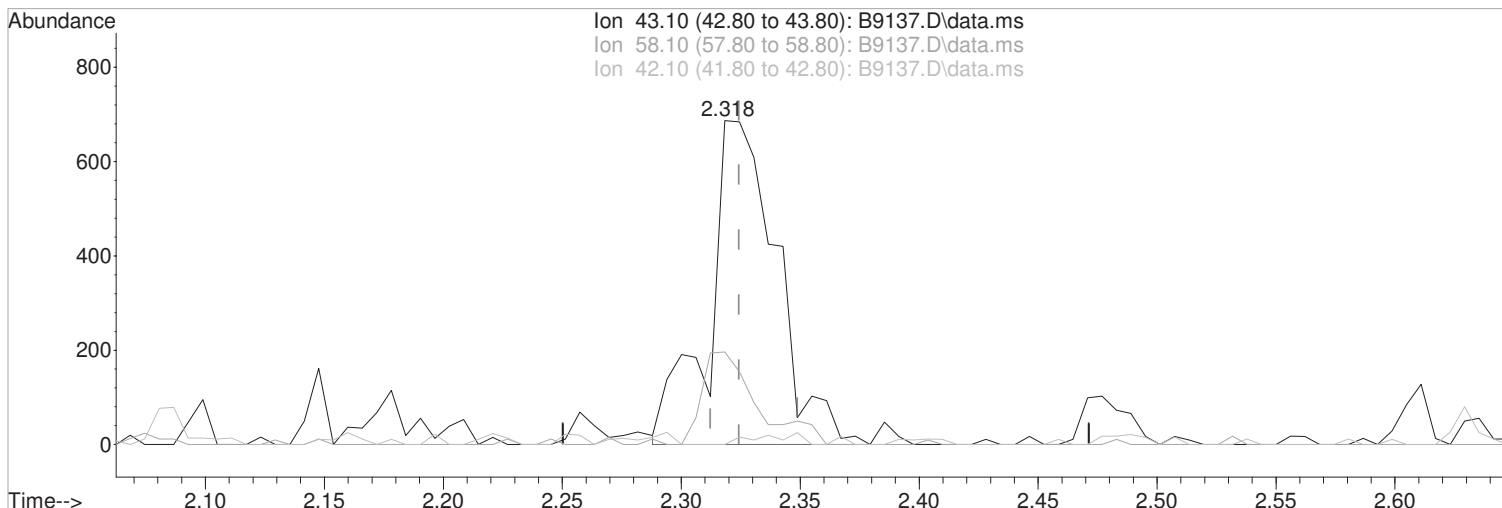
| Ion | Exp% | Act% |
|--------|-------|--------|
| 159.00 | 100 | 100 |
| 161.00 | 60.40 | 38.04# |
| 193.90 | 46.10 | 33.74 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9137.D
Acq On : 20 Mar 2023 1:03 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:19:34 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(16) Acetone (P)
2.318min (-0.006) 0.84 ug/L m
response 1363

Manual Integration:
After
Poor integration.

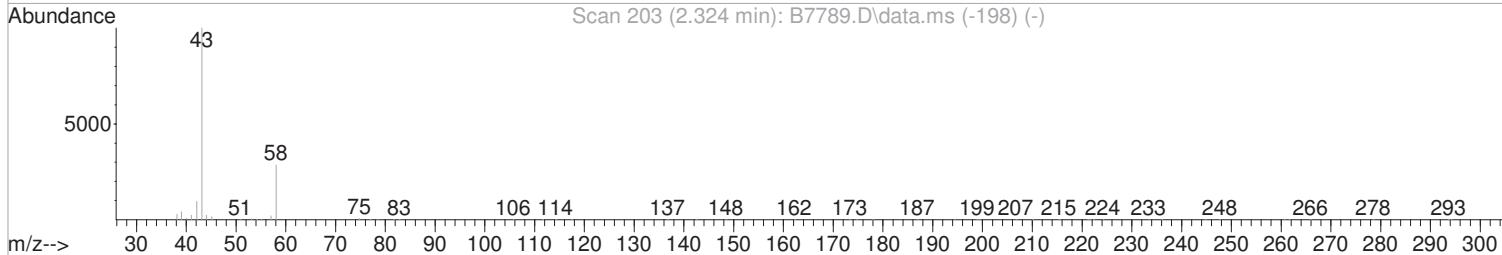
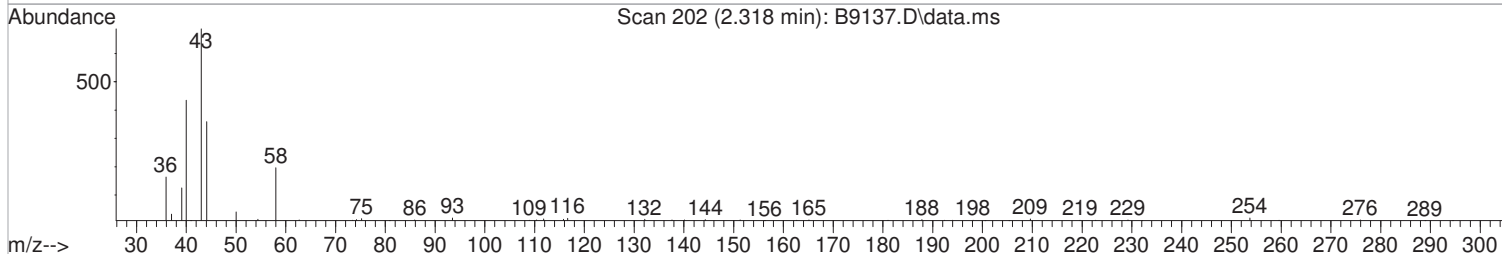
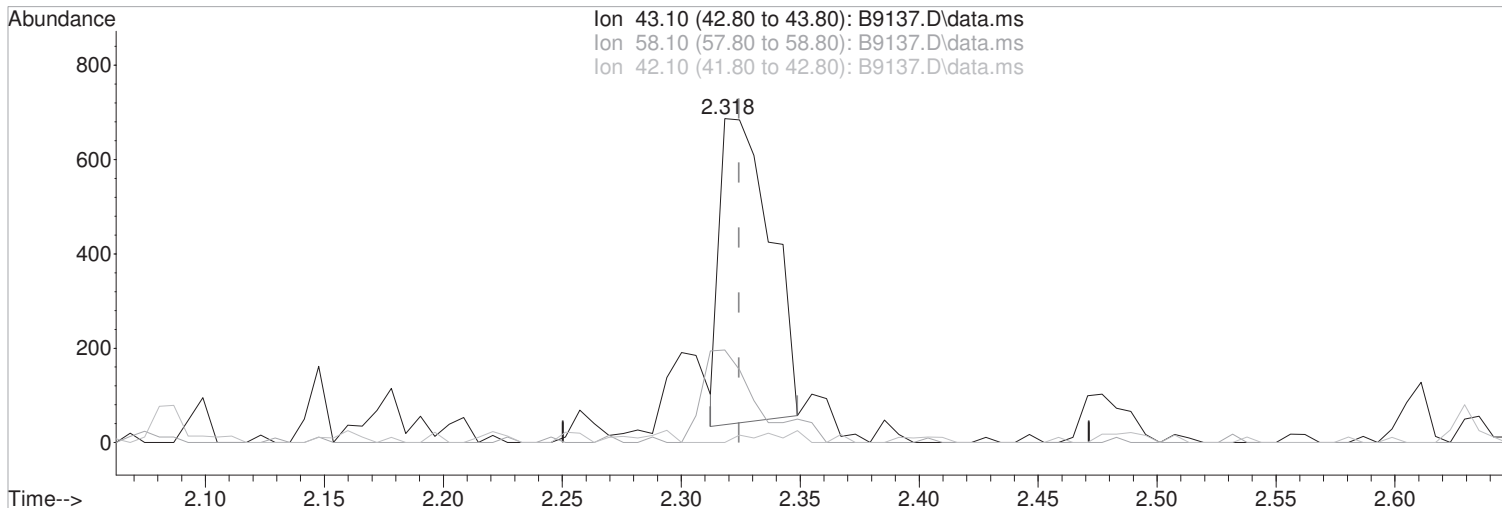
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 58.10 | 28.50 | 28.53 |
| 42.10 | 9.60 | 0.00 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9137.D
Acq On : 20 Mar 2023 1:03 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:19:34 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(16) Acetone (P)
2.318min (-0.006) 0.59 ug/L
response 954

Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 58.10 | 28.50 | 28.53 |
| 42.10 | 9.60 | 0.00 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9137.D
 Acq On : 20 Mar 2023 1:03 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP Inst : MSVOA10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 09:24:22 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

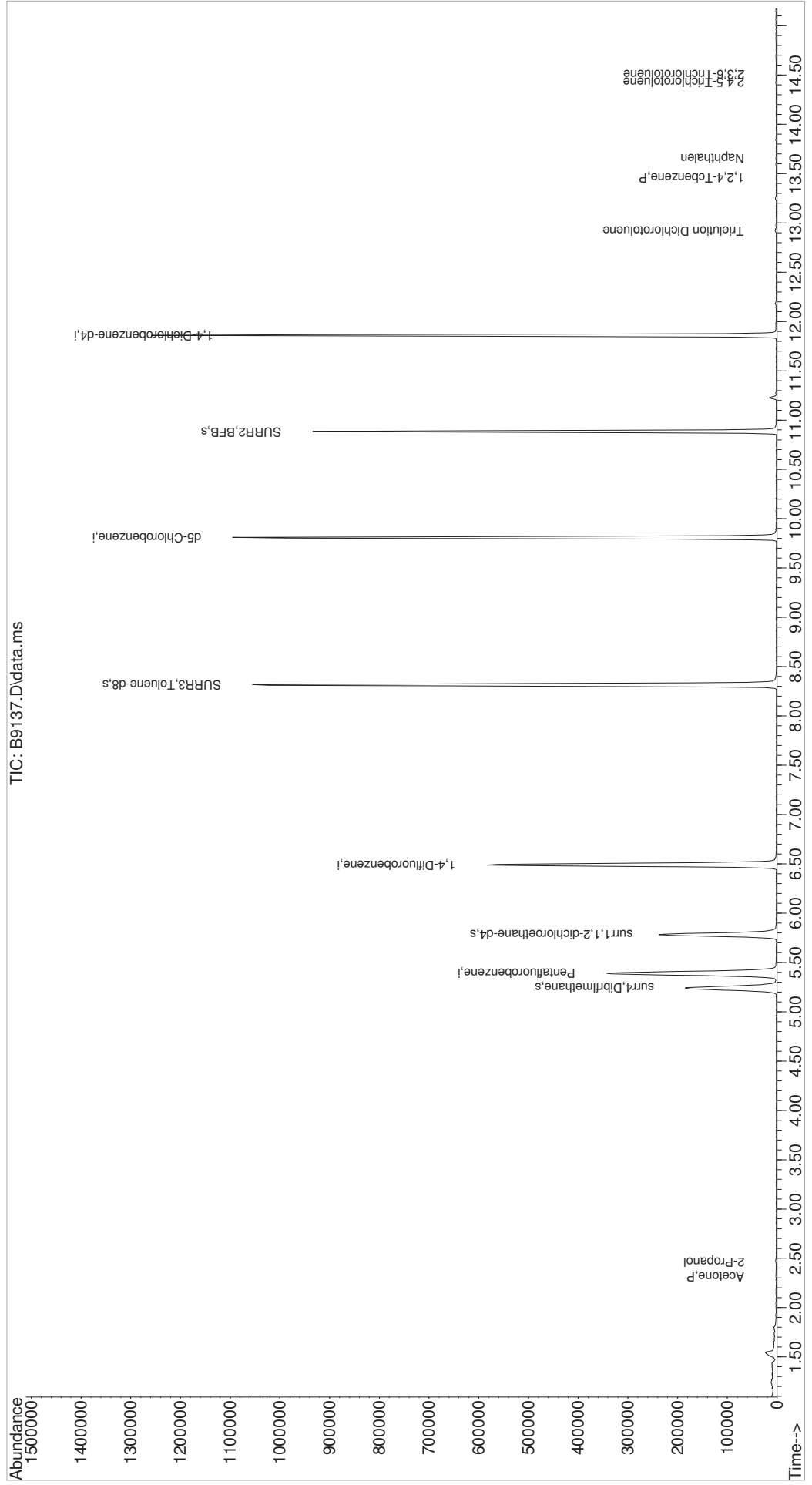
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|----------------|------------|-----------|----------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 336634 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 526099 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 473159 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 233636 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 161578 | 47.44 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 94.88% | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 198261 | 50.09 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 100.18% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 624770 | 47.15 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 94.30% | | |
| 70) SURR2,BFB | 10.884 | 95 | 225101 | 48.12 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 96.24% | | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.593 | 64 | 434 | Below Cal | Qvalue # | 77 |
| 16) Acetone | 2.318 | 43 | 1363m | 0.84 | ug/L | |
| 17) 2-Propanol | 2.465 | 45 | 306 | 1.06 | ug/L | 60 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 1189 | 0.21 | ug/L | 87 |
| 115) 1,2,4-Tcbenzene | 13.463 | 180 | 341m | 0.25 | ug/L | |
| 117) Naphthalen | 13.652 | 128 | 748 | 0.51 | ug/L | 81 |
| 119) 2,4,5-Trichlorotoluene | 14.426 | 159 | 305 | 1.04 | ug/L | 80 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 135m | 0.82 | ug/L | |

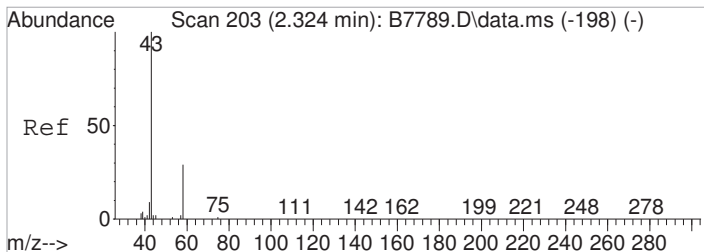
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9137.D
Acq On : 20 Mar 2023 1:03 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

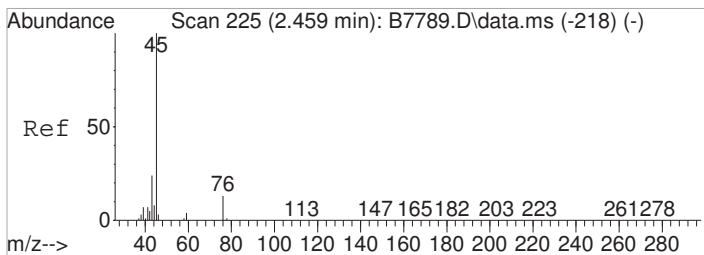
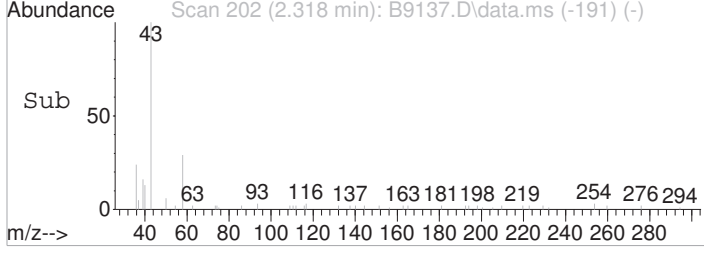
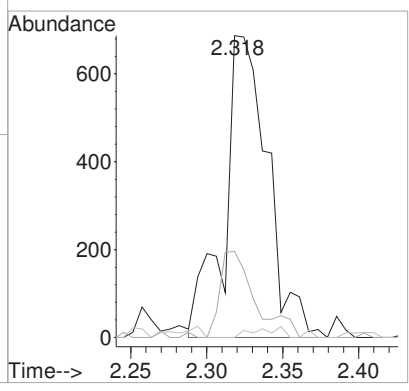
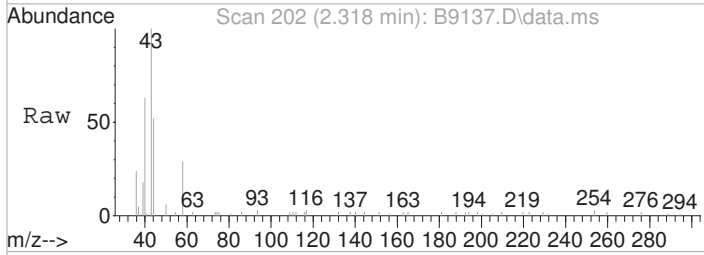
Quant Time: Mar 21 09:24:22 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





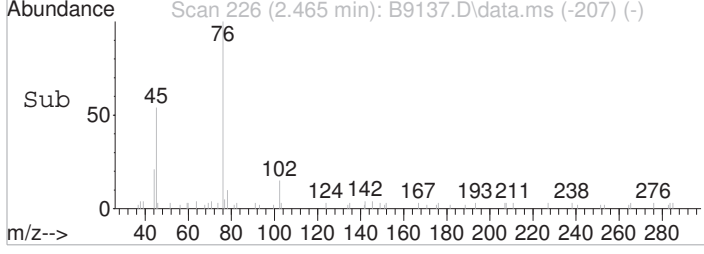
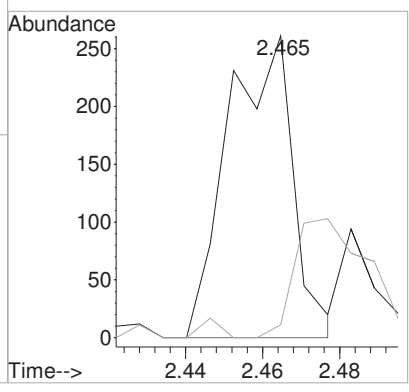
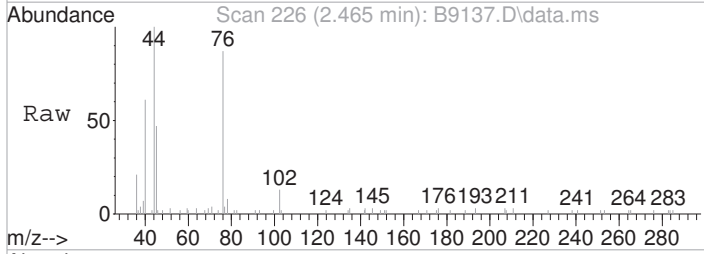
#16
 Acetone
 Concen: 0.84 ug/L m
 RT: 2.318 min Scan# 202
 Delta R.T. -0.006 min
 Lab File: B9137.D
 Acq: 20 Mar 2023 1:03 pm

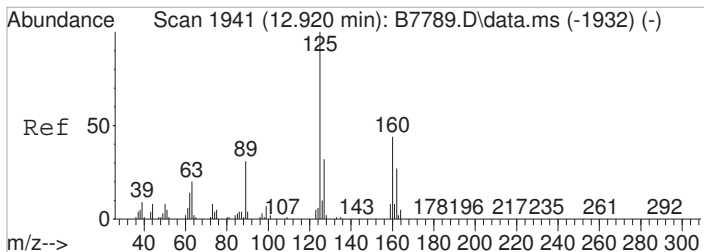
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1363 | | |
| 58 | 28.5 | 8.5 | 48.5 |
| 42 | 0.0 | 0.0 | 29.6 |



#17
 2-Propanol
 Concen: 1.06 ug/L
 RT: 2.465 min Scan# 226
 Delta R.T. 0.006 min
 Lab File: B9137.D
 Acq: 20 Mar 2023 1:03 pm

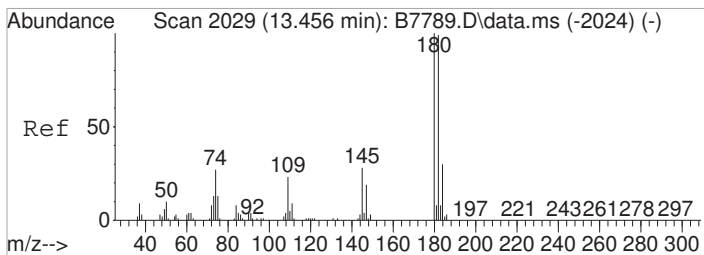
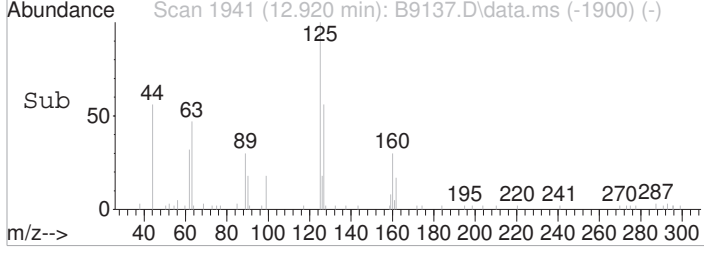
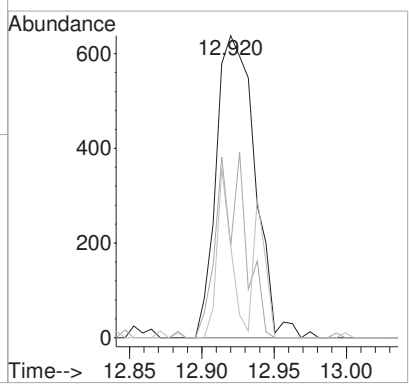
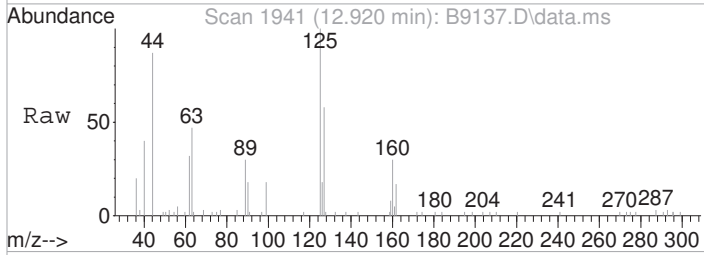
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 306 | | |
| 43 | 4.2 | 3.9 | 43.9 |





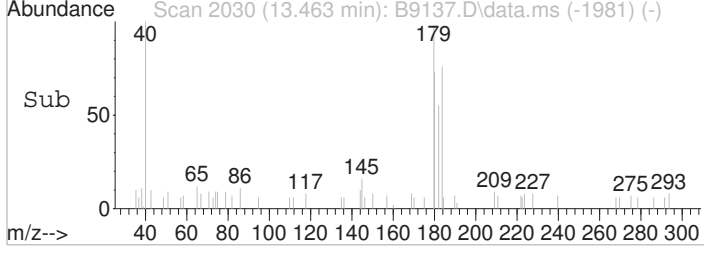
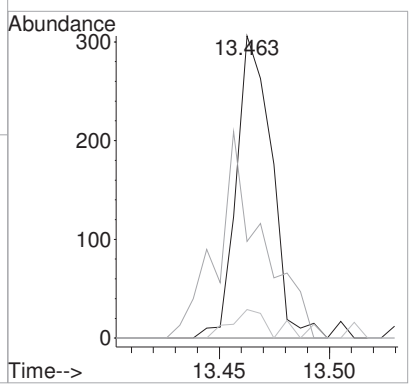
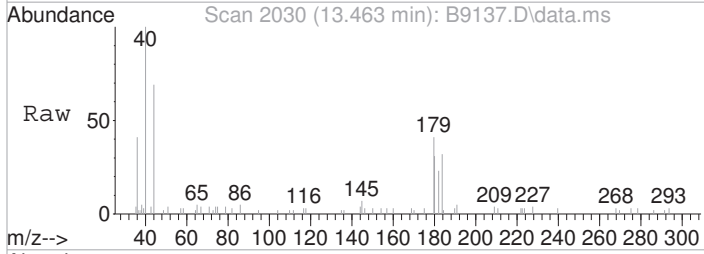
#112
 Trielution Dichlorotoluene
 Concen: 0.21 ug/L
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: B9137.D
 Acq: 20 Mar 2023 1:03 pm

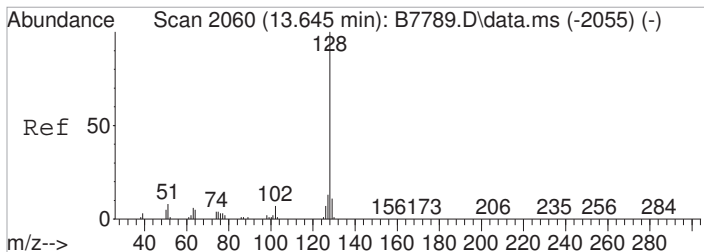
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 1189 | | |
| 160 | 30.4 | 24.4 | 64.4 |
| 89 | 30.3 | 10.5 | 50.5 |



#115
 1,2,4-Tcbenzene
 Concen: 0.25 ug/L m
 RT: 13.463 min Scan# 2030
 Delta R.T. 0.007 min
 Lab File: B9137.D
 Acq: 20 Mar 2023 1:03 pm

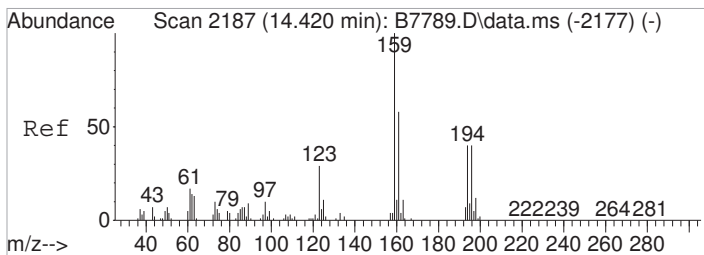
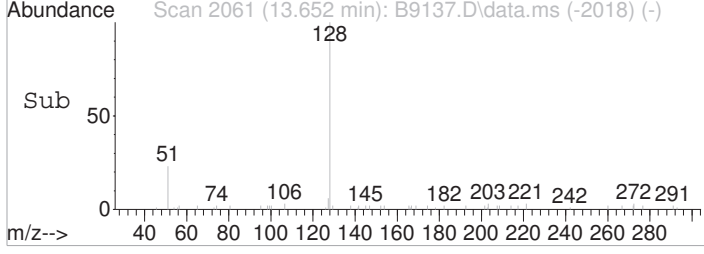
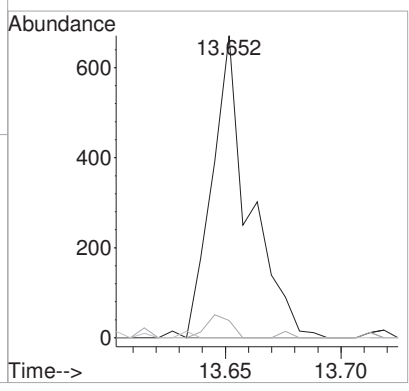
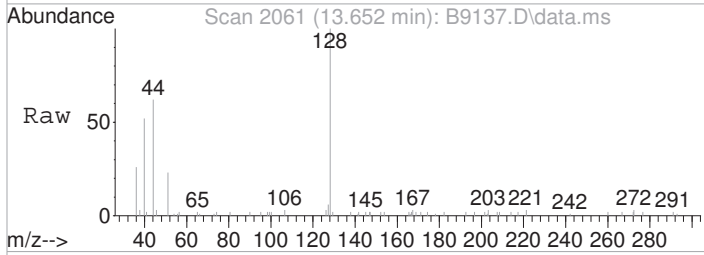
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 180 | 341 | | |
| 182 | 56.0 | 79.1 | 119.1# |
| 145 | 16.6 | 8.1 | 48.1 |





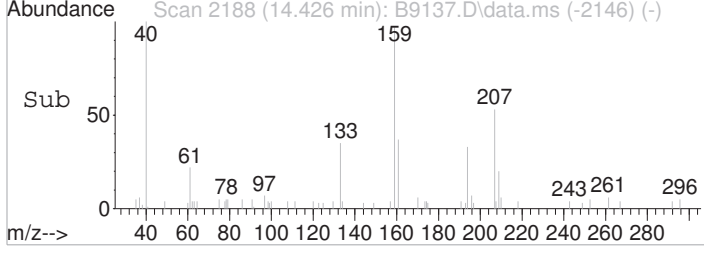
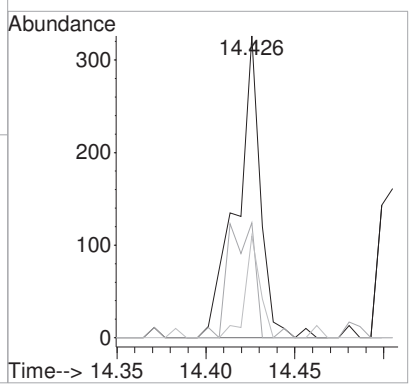
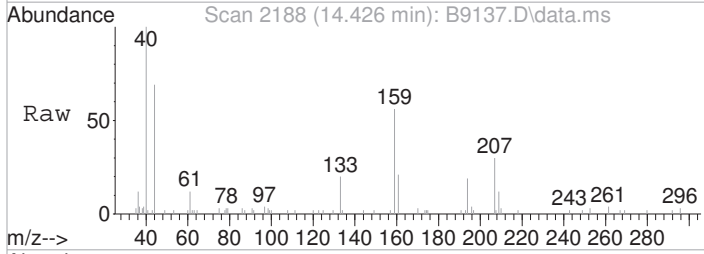
#117
 Naphthalen
 Concen: 0.51 ug/L
 RT: 13.652 min Scan# 2061
 Delta R.T. 0.007 min
 Lab File: B9137.D
 Acq: 20 Mar 2023 1:03 pm

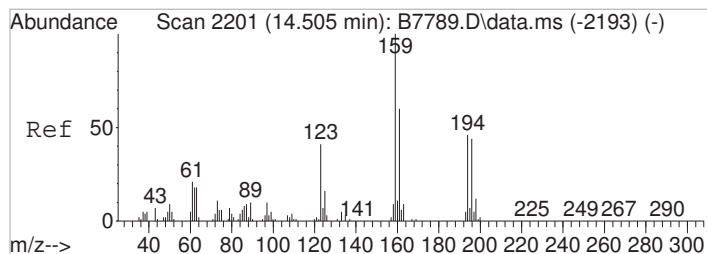
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 100 | | |
| 127 | 5.7 | 0.0 | 33.1 |
| 102 | 0.0 | 0.0 | 27.1 |



#119
 2,4,5-Trichlorotoluene
 Concen: 1.04 ug/L
 RT: 14.426 min Scan# 2188
 Delta R.T. 0.007 min
 Lab File: B9137.D
 Acq: 20 Mar 2023 1:03 pm

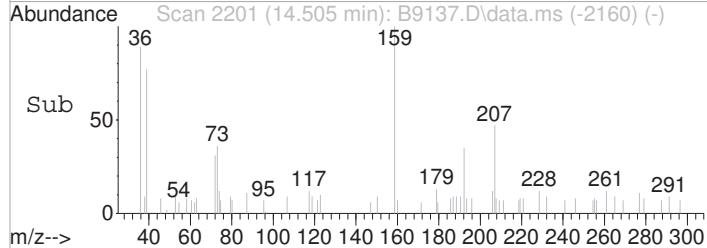
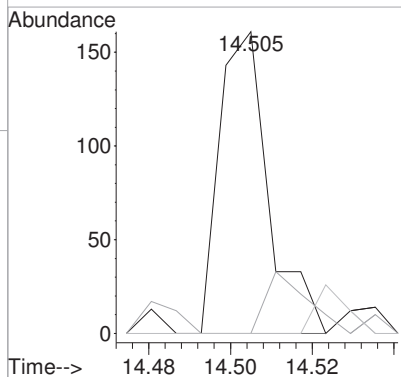
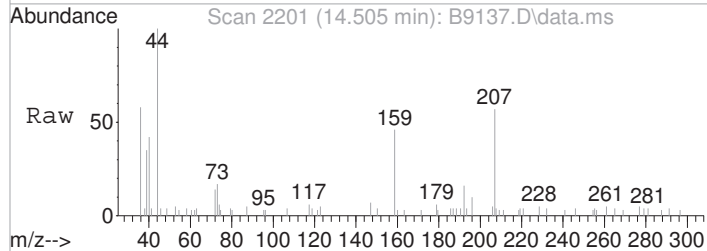
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 159 | 100 | | |
| 161 | 38.0 | 37.7 | 77.7 |
| 194 | 33.7 | 19.7 | 59.7 |





#120
 2,3,6-Trichlorotoluene
 Concen: 0.82 ug/L m
 RT: 14.505 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: B9137.D
 Acq: 20 Mar 2023 1:03 pm

| Tgt Ion | 159 | Resp | 135 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 159 | 100 | | |
| 161 | 0.0 | 40.4 | 80.4# |
| 194 | 0.0 | 26.1 | 66.1# |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9134.D
 Acq On : 20 Mar 2023 11:33 am
 Operator : F.NAEGLER
 Sample : LCS-FP Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 20 11:49:29 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 347417 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 539543 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 504465 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 268630 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|--------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.238 | 113 | 166394 | 47.63 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 95.26% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 202162 | 49.80 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 99.60% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 639236 | 47.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 94.08% | | |
| 70) SURR2,BFB | 10.884 | 95 | 235344 | 49.06 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 98.12% | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 2) Chlorodifluoromethane | 1.154 | 51 | 73625 | 15.87 | ug/L | 99 |
| 3) Dichlorodifluoromethane | 1.148 | 85 | 49065 | 15.20 | ug/L | 90 |
| 4) Chloromethane | 1.276 | 50 | 97819 | 19.78 | ug/L | 96 |
| 5) Vinyl Chloride | 1.355 | 62 | 76690 | 15.45 | ug/L | 98 |
| 6) Bromomethane | 1.581 | 94 | 54000 | 18.10 | ug/L | 99 |
| 7) Chloroethane | 1.660 | 64 | 37431 | 14.83 | ug/L | 97 |
| 8) Freon 21 | 1.806 | 67 | 80657 | 13.59 | ug/L | 96 |
| 9) Trichlorofluoromethane | 1.855 | 101 | 84868 | 17.91 | ug/L | 99 |
| 10) Diethyl Ether | 2.087 | 59 | 55295 | 17.34 | ug/L | 98 |
| 11) Freon 123a | 2.093 | 67 | 66115 | 17.46 | ug/L | 92 |
| 12) Freon 123 | 2.148 | 83 | 88720 | 20.17 | ug/L | 94 |
| 13) Acrolein | 2.184 | 56 | 30828 | 35.85 | ug/L | 97 |
| 14) 1,1-Dicethene | 2.282 | 96 | 46762 | 17.01 | ug/L | 98 |
| 15) Freon 113 | 2.282 | 101 | 47286 | 16.95 | ug/L | 90 |
| 16) Acetone | 2.318 | 43 | 33694 | 20.10 | ug/L | 99 |
| 17) 2-Propanol | 2.452 | 45 | 116519 | 389.69 | ug/L | 98 |
| 18) Iodomethane | 2.416 | 142 | 63800 | 14.93 | ug/L | 99 |
| 19) Carbon Disulfide | 2.477 | 76 | 142723 | 16.53 | ug/L | 99 |
| 20) Acetonitrile | 2.580 | 41 | 66256 | 101.77 | ug/L | 99 |
| 21) Allyl Chloride | 2.611 | 76 | 28232 | 20.06 | ug/L # | 92 |
| 22) Methyl Acetate | 2.635 | 43 | 97212 | 21.83 | ug/L | 96 |
| 23) Methylene Chloride | 2.733 | 84 | 53863 | 15.80 | ug/L # | 86 |
| 24) TBA | 2.855 | 59 | 158299 | 379.16 | ug/L | 85 |
| 25) Acrylonitrile | 2.983 | 53 | 178207 | 95.67 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 3.032 | 73 | 166315 | 18.40 | ug/L | 98 |
| 27) trans-1,2-Dichloroethene | 3.025 | 96 | 52651 | 17.46 | ug/L | 95 |
| 28) 1,1-Dicethane | 3.525 | 63 | 105373 | 17.88 | ug/L | 98 |
| 29) Vinyl Acetate | 3.617 | 86 | 7447 | 18.20 | ug/L # | 65 |
| 30) DIPE | 3.653 | 45 | 233234 | 17.17 | ug/L | 96 |
| 31) 2-Chloro-1,3-Butadiene | 3.647 | 53 | 105401 | 18.88 | ug/L | 97 |
| 32) ETBE | 4.184 | 59 | 153966 | 17.05 | ug/L | 96 |
| 33) 2,2-Dichloropropane | 4.367 | 77 | 55298 | 20.66 | ug/L | 96 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 61839 | 17.61 | ug/L | 87 |
| 35) 2-Butanone | 4.415 | 43 | 50963 | 18.39 | ug/L | 96 |
| 36) Propionitrile | 4.501 | 54 | 71157 | 96.67 | ug/L | 93 |
| 37) Bromochloromethane | 4.769 | 130 | 43226 | 17.09 | ug/L | 93 |
| 38) Methacrylonitrile | 4.763 | 67 | 30724 | 17.74 | ug/L # | 85 |
| 39) Tetrahydrofuran | 4.860 | 42 | 31139 | 19.54 | ug/L | 98 |
| 40) Chloroform | 4.952 | 83 | 98080 | 17.26 | ug/L | 97 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9134.D
 Acq On : 20 Mar 2023 11:33 am
 Operator : F.NAEGLER
 Sample : LCS-FP Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 20 11:49:29 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 5.251 | 97 | 75802 | 18.27 | ug/L | 97 |
| 43) Cyclohexane | 5.342 | 41 | 67918 | 16.93 | ug/L | 88 |
| 45) Carbontetrachloride | 5.531 | 117 | 61886 | 18.16 | ug/L | 99 |
| 46) 1,1-Dichloropropene | 5.543 | 75 | 68351 | 17.01 | ug/L | 95 |
| 48) Benzene | 5.866 | 78 | 218757 | 17.03 | ug/L | 96 |
| 49) 1,2-Dichloroethane | 5.897 | 62 | 93322 | 18.19 | ug/L | 98 |
| 50) Iso-Butyl Alcohol | 5.879 | 43 | 83349 | 413.32 | ug/L | 97 |
| 51) TAME | 6.104 | 73 | 131756 | 16.51 | ug/L | 98 |
| 52) n-Heptane | 6.360 | 43 | 81490 | 18.75 | ug/L | 93 |
| 53) 1-Butanol | 6.848 | 56 | 115224 | 1111.25 | ug/L | 88 |
| 54) Trichloroethene | 6.817 | 130 | 60993 | 16.76 | ug/L | 91 |
| 55) Methylcyclohexane | 7.061 | 55 | 75904 | 16.49 | ug/L | 95 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 64353 | 18.37 | ug/L | 99 |
| 57) Dibromomethane | 7.244 | 93 | 40061 | 17.66 | ug/L | 99 |
| 58) 1,4-Dioxane | 7.305 | 88 | 20987 | 339.47 | ug/L | 89 |
| 59) Methyl Methacrylate | 7.330 | 69 | 47770 | 19.27 | ug/L | 86 |
| 60) Bromodichloromethane | 7.470 | 83 | 74445 | 17.22 | ug/L | 95 |
| 61) 2-Nitropropane | 7.756 | 41 | 38697 | 41.09 | ug/L | 94 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 81539 | 18.89 | ug/L | 97 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 94734 | 17.61 | ug/L | 98 |
| 66) Toluene | 8.390 | 91 | 245923 | 17.43 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.659 | 75 | 67204 | 22.25 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.799 | 69 | 77994 | 17.94 | ug/L | 93 |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 57881 | 17.25 | ug/L | 97 |
| 72) Tetrachloroethene | 8.982 | 164 | 43952 | 16.43 | ug/L | 98 |
| 73) 2-Hexanone | 9.140 | 43 | 67422 | 17.52 | ug/L | 96 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 97106 | 16.87 | ug/L | 97 |
| 75) Dibromochloromethane | 9.244 | 129 | 63530 | 18.55 | ug/L | 95 |
| 76) N-Butyl Acetate | 9.299 | 43 | 134182 | 17.62 | ug/L | 96 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 60608 | 17.97 | ug/L | 98 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 82482 | 15.76 | ug/L | 97 |
| 79) Chlorobenzene | 9.835 | 112 | 167343 | 17.23 | ug/L | 96 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 71522 | 15.76 | ug/L | 95 |
| 81) 1,1,1,2-Tetrachloroethane | 9.920 | 131 | 57649 | 19.07 | ug/L | 94 |
| 82) Ethylbenzene | 9.957 | 106 | 85693 | 17.15 | ug/L | 99 |
| 83) (m+p)Xylene | 10.067 | 106 | 212646 | 34.42 | ug/L | 96 |
| 84) o-Xylene | 10.426 | 106 | 106804 | 17.39 | ug/L | 97 |
| 85) Styrene | 10.439 | 104 | 181505 | 17.50 | ug/L | 96 |
| 86) Bromoform | 10.591 | 173 | 40076 | 18.12 | ug/L | 91 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 82292 | 16.69 | ug/L | 99 |
| 88) Isopropylbenzene | 10.762 | 105 | 256429 | 17.56 | ug/L | 99 |
| 89) Cyclohexanone | 10.823 | 55 | 63216 | 85.26 | ug/L | 98 |
| 90) trans-1,4-Dichloro-2-B... | 11.067 | 53 | 21082 | 23.23 | ug/L | 88 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 84998 | 17.54 | ug/L | 98 |
| 93) Bromobenzene | 11.006 | 156 | 72554 | 15.65 | ug/L | 97 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 26086 | 16.95 | ug/L | 93 |
| 95) n-Propylbenzene | 11.115 | 91 | 305366 | 17.61 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.176 | 91 | 188054 | 17.41 | ug/L | 95 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 185424 | 16.63 | ug/L | 97 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 217985 | 17.48 | ug/L | 98 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 227315 | 17.28 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.542 | 119 | 198485 | 17.75 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 220313 | 17.46 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 58627 | 16.20 | ug/L | 97 |
| 103) sec-Butylbenzene | 11.725 | 105 | 266000 | 17.35 | ug/L | 99 |
| 104) p-Isopropyltoluene | 11.847 | 119 | 234971 | 17.00 | ug/L | 99 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9134.D
 Acq On : 20 Mar 2023 11:33 am
 Operator : F.NAEGLER
 Sample : LCS-FP Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 20 11:49:29 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

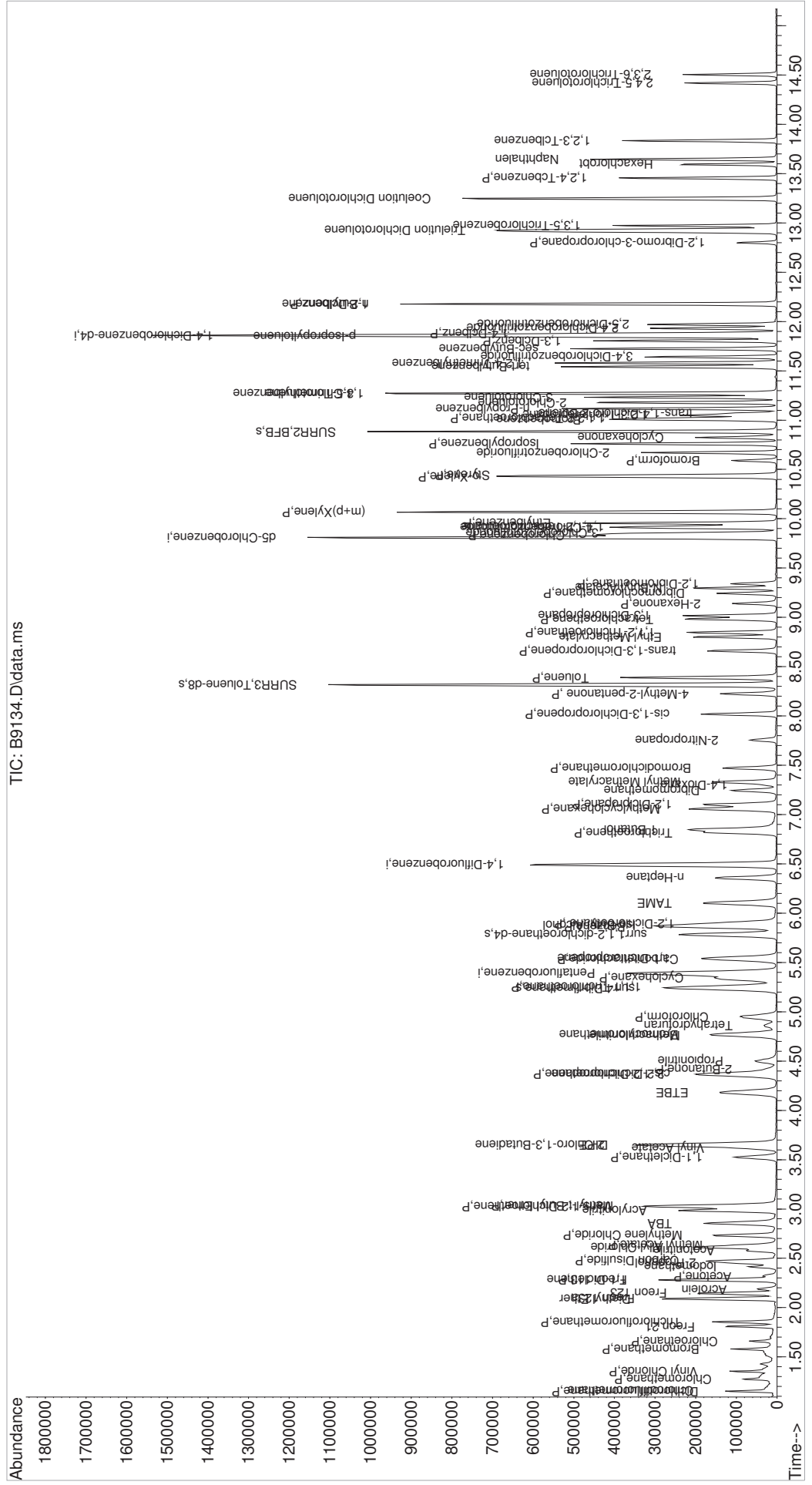
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-------|-------|-----------|
| 105) 1,3-Dclbenz | 11.804 | 146 | 138408 | 17.17 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 146513 | 17.26 | ug/L | 96 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 55340 | 16.40 | ug/L | 98 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 61881 | 16.55 | ug/L | 94 |
| 109) n-Butylbenzene | 12.176 | 91 | 195161 | 17.21 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.176 | 146 | 142443 | 17.16 | ug/L | 98 |
| 111) 1,2-Dibromo-3-chloropr... | 12.798 | 157 | 18128 | 18.45 | ug/L | 95 |
| 112) Trielution Dichlorotol... | 12.926 | 125 | 345691 | 53.96 | ug/L | 96 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 96666 | 17.76 | ug/L | 97 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 258131 | 36.99 | ug/L | 100 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 90411 | 17.92 | ug/L | 98 |
| 116) Hexachlorobt | 13.597 | 225 | 32191 | 17.08 | ug/L | 93 |
| 117) Naphthalen | 13.645 | 128 | 271961 | 19.74 | ug/L | 98 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 89752 | 17.66 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 46097 | 24.13 | ug/L | 96 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 43369 | 23.99 | ug/L | 97 |

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

Data Path : I:\ACQDATA\msvoa10\data\032023\
 Data File : B9134.D
 Acq On : 20 Mar 2023 11:33 am
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 11:49:29 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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 | 50.000 | 50.000 | 0.0 | 113 | 0.00 |
| 2 | Chlorodifluoromethane | 50.000 | 50.218 | -0.4 | 111 | 0.00 |
| 3 P | Dichlorodifluoromethane | 50.000 | 51.818 | -3.6 | 115 | 0.00 |
| 4 P | Chloromethane | 50.000 | 49.247 | 1.5 | 116 | 0.00 |
| 5 P | Vinyl Chloride | 50.000 | 48.604 | 2.8 | 117 | 0.00 |
| 6 P | Bromomethane | 50.000 | 44.469 | 11.1 | 120 | 0.00 |
| 7 P | Chloroethane | 50.000 | 43.646 | 12.7 | 101 | 0.00 |
| 8 | Freon 21 | 50.000 | 48.320 | 3.4 | 109 | 0.00 |
| 9 P | Trichlorofluoromethane | 50.000 | 50.948 | -1.9 | 126 | 0.00 |
| 10 | Diethyl Ether | 50.000 | 49.204 | 1.6 | 114 | 0.00 |
| 11 | Freon 123a | 50.000 | 48.863 | 2.3 | 109 | 0.00 |
| 12 | Freon 123 | 50.000 | 49.326 | 1.3 | 112 | 0.00 |
| 13 | Acrolein | 250.000 | 219.029 | 12.4 | 102 | 0.00 |
| 14 | 1,1-Dicethene | 50.000 | 48.312 | 3.4 | 116 | 0.00 |
| 15 P | Freon 113 | 50.000 | 50.667 | -1.3 | 128 | 0.00 |
| 16 P | Acetone | 50.000 | 48.550 | 2.9 | 115 | 0.00 |
| 17 | 2-Propanol | 1000.000 | 955.759 | 4.4 | 108 | 0.00 |
| 18 | Iodomethane | 50.000 | 48.585 | 2.8 | 112 | 0.00 |
| 19 P | Carbon Disulfide | 50.000 | 48.891 | 2.2 | 124 | 0.00 |
| 20 | Acetonitrile | 250.000 | 275.834 | -10.3 | 111 | 0.00 |
| 21 | Allyl Chloride | 50.000 | 50.217 | -0.4 | 122 | 0.00 |
| 22 P | Methyl Acetate | 50.000 | 53.892 | -7.8 | 124 | 0.00 |
| 23 P | Methylene Chloride | 50.000 | 43.812 | 12.4 | 109 | 0.00 |
| 24 | TBA | 1000.000 | 907.591 | 9.2 | 103 | 0.00 |
| 25 | Acrylonitrile | 250.000 | 245.071 | 2.0 | 110 | 0.00 |
| 26 P | Methyl-t-Butyl Ether | 50.000 | 48.073 | 3.9 | 107 | 0.00 |
| 27 P | trans-1,2-Dichloroethene | 50.000 | 48.174 | 3.7 | 115 | 0.00 |
| 28 P | 1,1-Dicethane | 50.000 | 47.391 | 5.2 | 116 | 0.00 |
| 29 | Vinyl Acetate | 50.000 | 50.467 | -0.9 | 109 | 0.00 |
| 30 | DIPE | 50.000 | 47.595 | 4.8 | 101 | 0.00 |
| 31 | 2-Chloro-1,3-Butadiene | 50.000 | 55.992 | -12.0 | 134 | 0.00 |
| 32 | ETBE | 50.000 | 49.073 | 1.9 | 106 | 0.00 |
| 33 | 2,2-Dichloropropane | 50.000 | 59.299 | -18.6 | 141 | 0.00 |
| 34 P | cis-1,2-Dichloroethene | 50.000 | 47.440 | 5.1 | 114 | -0.01 |
| 35 P | 2-Butanone | 50.000 | 47.179 | 5.6 | 108 | 0.00 |
| 36 | Propionitrile | 250.000 | 248.294 | 0.7 | 107 | -0.01 |
| 37 | Bromochloromethane | 50.000 | 46.261 | 7.5 | 111 | 0.00 |
| 38 | Methacrylonitrile | 50.000 | 44.949 | 10.1 | 104 | 0.00 |
| 39 | Tetrahydrofuran | 50.000 | 47.133 | 5.7 | 104 | -0.01 |
| 40 P | Chloroform | 50.000 | 47.005 | 6.0 | 114 | 0.00 |
| 41 P | 1,1,1-Trichloroethane | 50.000 | 49.537 | 0.9 | 120 | 0.00 |
| 42 i | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 116 | 0.00 |
| 43 P | Cyclohexane | 50.000 | 50.192 | -0.4 | 119 | 0.00 |
| 44 s | surr4,Dibrflmethane | 50.000 | 46.738 | 6.5 | 111 | 0.00 |
| 45 P | Carbontetrachloride | 50.000 | 53.003 | -6.0 | 130 | -0.01 |
| 46 | 1,1-Dichloropropene | 50.000 | 48.118 | 3.8 | 120 | 0.00 |
| 47 s | surr1,1,2-dichloroethane-d4 | 50.000 | 47.134 | 5.7 | 112 | 0.00 |
| 48 P | Benzene | 50.000 | 45.677 | 8.6 | 111 | 0.00 |
| 49 P | 1,2-Dichloroethane | 50.000 | 47.743 | 4.5 | 112 | 0.00 |
| 50 | Iso-Butyl Alcohol | 1000.000 | 975.844 | 2.4 | 108 | 0.00 |
| 51 | TAME | 50.000 | 44.925 | 10.2 | 101 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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 | 50.000 | 54.320 | -8.6 | 145 | 0.00 |
| 53 | 1-Butanol | 2500.000 | 2496.092 | 0.2 | 104 | 0.00 |
| 54 P | Trichloroethene | 50.000 | 45.239 | 9.5 | 114 | 0.00 |
| 55 P | Methylcyclohexane | 50.000 | 50.571 | -1.1 | 117 | 0.00 |
| 56 P | 1,2-Diclp propane | 50.000 | 48.399 | 3.2 | 111 | 0.00 |
| 57 | Dibromomethane | 50.000 | 45.716 | 8.6 | 110 | 0.00 |
| 58 | 1,4-Dioxane | 1000.000 | 894.593 | 10.5 | 107 | -0.01 |
| 59 | Methyl Methacrylate | 50.000 | 47.401 | 5.2 | 105 | 0.00 |
| 60 P | Bromodichloromethane | 50.000 | 47.459 | 5.1 | 113 | 0.00 |
| 61 | 2-Nitropropane | 100.000 | 121.333 | -21.3# | 129 | 0.00 |
| 62 | 2-Chloroethylvinyl Ether | 50.000 | 62.352 | -24.7# | 145 | 0.00 |
| 63 P | cis-1,3-Dichloropropene | 50.000 | 50.800 | -1.6 | 118 | 0.00 |
| 64 P | 4-Methyl-2-pentanone | 50.000 | 46.021 | 8.0 | 107 | 0.00 |
| 65 s | SURR3,Toluene-d8 | 50.000 | 45.270 | 9.5 | 108 | 0.00 |
| 66 P | Toluene | 50.000 | 47.049 | 5.9 | 115 | 0.00 |
| 67 P | trans-1,3-Dichloropropene | 50.000 | 54.705 | -9.4 | 120 | 0.00 |
| 68 | Ethyl Methacrylate | 50.000 | 48.616 | 2.8 | 106 | 0.00 |
| 69 P | 1,1,2-Trichloroethane | 50.000 | 45.060 | 9.9 | 107 | 0.00 |
| 70 s | SURR2,BFB | 50.000 | 48.651 | 2.7 | 114 | 0.00 |
| 71 i | d5-Chlorobenzene | 50.000 | 50.000 | 0.0 | 118 | 0.00 |
| 72 P | Tetrachloroethene | 50.000 | 47.334 | 5.3 | 119 | 0.00 |
| 73 P | 2-Hexanone | 50.000 | 44.298 | 11.4 | 101 | 0.00 |
| 74 | 1,3-Dichloropropane | 50.000 | 44.261 | 11.5 | 109 | 0.00 |
| 75 P | Dibromochloromethane | 50.000 | 50.043 | -0.1 | 110 | 0.00 |
| 76 | N-Butyl Acetate | 50.000 | 46.269 | 7.5 | 103 | 0.00 |
| 77 P | 1,2-Dibromoethane | 50.000 | 47.962 | 4.1 | 110 | 0.00 |
| 78 | 3-Chlorobenzotrifluoride | 50.000 | 44.956 | 10.1 | 104 | 0.00 |
| 79 P | Chlorobenzene | 50.000 | 45.881 | 8.2 | 116 | 0.00 |
| 80 | 4-Chlorobenzotrifluoride | 50.000 | 45.518 | 9.0 | 101 | 0.00 |
| 81 | 1,1,1,2-Tetrachloroethane | 50.000 | 52.406 | -4.8 | 121 | 0.00 |
| 82 P | Ethylbenzene | 50.000 | 45.883 | 8.2 | 117 | 0.00 |
| 83 P | (m+p)Xylene | 100.000 | 91.517 | 8.5 | 116 | 0.00 |
| 84 P | o-Xylene | 50.000 | 45.224 | 9.6 | 114 | 0.00 |
| 85 P | Styrene | 50.000 | 46.574 | 6.9 | 112 | 0.00 |
| 86 P | Bromoform | 50.000 | 50.198 | -0.4 | 116 | 0.00 |
| 87 | 2-Chlorobenzotrifluoride | 50.000 | 46.135 | 7.7 | 102 | 0.00 |
| 88 P | Isopropylbenzene | 50.000 | 45.361 | 9.3 | 115 | 0.00 |
| 89 | Cyclohexanone | 1000.000 | 717.520 | 28.2# | 80 | 0.00 |
| 90 | trans-1,4-Dichloro-2-Butene | 50.000 | 54.715 | -9.4 | 124 | 0.00 |
| 91 i | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 122 | 0.00 |
| 92 P | 1,1,2,2-Tetrachloroethane | 50.000 | 44.187 | 11.6 | 111 | 0.00 |
| 93 | Bromobenzene | 50.000 | 41.590 | 16.8 | 110 | 0.00 |
| 94 | 1,2,3-Trichloropropane | 50.000 | 43.015 | 14.0 | 112 | 0.00 |
| 95 | n-Propylbenzene | 50.000 | 44.991 | 10.0 | 120 | 0.00 |
| 96 | 2-Chlorotoluene | 50.000 | 43.275 | 13.5 | 116 | 0.00 |
| 97 | 3-Chlorotoluene | 50.000 | 43.041 | 13.9 | 99 | 0.00 |
| 98 | 4-Chlorotoluene | 50.000 | 45.410 | 9.2 | 122 | 0.00 |
| 99 | 1,3,5-Trimethylbenzene | 50.000 | 44.279 | 11.4 | 118 | 0.00 |
| 100 | tert-Butylbenzene | 50.000 | 43.437 | 13.1 | 117 | 0.00 |
| 101 | 1,2,4-Trimethylbenzene | 50.000 | 45.296 | 9.4 | 116 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV Inst : MSVOA10
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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-Dichlorobenzotrifluorid | 50.000 | 44.368 | 11.3 | 104 | 0.00 |
| 103 | sec-Butylbenzene | 50.000 | 44.031 | 11.9 | 118 | 0.00 |
| 104 | p-Isopropyltoluene | 50.000 | 44.137 | 11.7 | 118 | 0.00 |
| 105 P | 1,3-Dclbenz | 50.000 | 44.247 | 11.5 | 114 | 0.00 |
| 106 P | 1,4-Dclbenz | 50.000 | 43.021 | 14.0 | 115 | 0.00 |
| 107 | 2,4-Dichlorobenzotrifluorid | 50.000 | 44.168 | 11.7 | 107 | 0.00 |
| 108 | 2,5-Dichlorobenzotrifluorid | 50.000 | 45.356 | 9.3 | 107 | 0.00 |
| 109 | n-Butylbenzene | 50.000 | 45.923 | 8.2 | 122 | 0.00 |
| 110 P | 1,2-Dclbenz | 50.000 | 43.133 | 13.7 | 110 | 0.00 |
| 111 P | 1,2-Dibromo-3-chloropropane | 50.000 | 48.773 | 2.5 | 114 | 0.00 |
| 112 | Trielution Dichlorotoluene | 150.000 | 141.194 | 5.9 | 105 | 0.00 |
| 113 | 1,3,5-Trichlorobenzene | 50.000 | 45.843 | 8.3 | 104 | 0.00 |
| 114 | Coelution Dichlorotoluene | 100.000 | 96.067 | 3.9 | 106 | 0.00 |
| 115 P | 1,2,4-Tcbenzene | 50.000 | 46.575 | 6.8 | 115 | 0.00 |
| 116 | Hexachlorobt | 50.000 | 44.981 | 10.0 | 128 | 0.00 |
| 117 | Naphthalen | 50.000 | 46.834 | 6.3 | 110 | 0.00 |
| 118 | 1,2,3-Tclbenzene | 50.000 | 45.512 | 9.0 | 113 | 0.00 |
| 119 | 2,4,5-Trichlorotoluene | 50.000 | 57.685 | -15.4 | 121 | 0.00 |
| 120 | 2,3,6-Trichlorotoluene | 50.000 | 59.085 | -18.2 | 127 | 0.00 |

(#) = Out of Range

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

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 340113 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 530207 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 497877 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 281754 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|--------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.239 | 113 | 160442 | 46.74 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 93.48% | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 188032 | 47.13 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 94.26% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 604555 | 45.27 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 90.54% | | |
| 70) SURR2,BFB | 10.884 | 95 | 229352 | 48.65 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 97.30% | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 2) Chlorodifluoromethane | 1.154 | 51 | 228079 | 50.22 | ug/L | 98 |
| 3) Dichlorodifluoromethane | 1.148 | 85 | 163740 | 51.82 | ug/L | 97 |
| 4) Chloromethane | 1.276 | 50 | 238403 | 49.25 | ug/L | 94 |
| 5) Vinyl Chloride | 1.355 | 62 | 236227 | 48.60 | ug/L | 98 |
| 6) Bromomethane | 1.581 | 94 | 129861 | 44.47 | ug/L | 98 |
| 7) Chloroethane | 1.660 | 64 | 106082 | 43.65 | ug/L | 98 |
| 8) Freon 21 | 1.806 | 67 | 280758 | 48.32 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.855 | 101 | 236371 | 50.95 | ug/L | 99 |
| 10) Diethyl Ether | 2.087 | 59 | 153617 | 49.20 | ug/L | 94 |
| 11) Freon 123a | 2.093 | 67 | 181164 | 48.86 | ug/L | 88 |
| 12) Freon 123 | 2.142 | 83 | 212426 | 49.33 | ug/L | 95 |
| 13) Acrolein | 2.190 | 56 | 184374 | 219.03 | ug/L | 98 |
| 14) 1,1-Dicethene | 2.282 | 96 | 130026 | 48.31 | ug/L | 94 |
| 15) Freon 113 | 2.282 | 101 | 138349 | 50.67 | ug/L | 96 |
| 16) Acetone | 2.318 | 43 | 79681 | 48.55 | ug/L | 97 |
| 17) 2-Propanol | 2.453 | 45 | 279767 | 955.76 | ug/L | 98 |
| 18) Iodomethane | 2.416 | 142 | 203282 | 48.59 | ug/L | 98 |
| 19) Carbon Disulfide | 2.477 | 76 | 413370 | 48.89 | ug/L | 100 |
| 20) Acetonitrile | 2.574 | 41 | 175807 | 275.83 | ug/L | 96 |
| 21) Allyl Chloride | 2.611 | 76 | 69187 | 50.22 | ug/L | 98 |
| 22) Methyl Acetate | 2.635 | 43 | 234967 | 53.89 | ug/L | 95 |
| 23) Methylene Chloride | 2.733 | 84 | 146192 | 43.81 | ug/L | 94 |
| 24) TBA | 2.855 | 59 | 370948 | 907.59 | ug/L | 88 |
| 25) Acrylonitrile | 2.983 | 53 | 446916 | 245.07 | ug/L | 97 |
| 26) Methyl-t-Butyl Ether | 3.032 | 73 | 425389 | 48.07 | ug/L | 97 |
| 27) trans-1,2-Dichloroethene | 3.026 | 96 | 142196 | 48.17 | ug/L | 95 |
| 28) 1,1-Dicethane | 3.525 | 63 | 273348 | 47.39 | ug/L | 98 |
| 29) Vinyl Acetate | 3.617 | 86 | 20215 | 50.47 | ug/L # | 40 |
| 30) DIPE | 3.647 | 45 | 632816 | 47.59 | ug/L | 98 |
| 31) 2-Chloro-1,3-Butadiene | 3.647 | 53 | 305999 | 55.99 | ug/L | 97 |
| 32) ETBE | 4.184 | 59 | 433792 | 49.07 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.361 | 77 | 155373 | 59.30 | ug/L | 98 |
| 34) cis-1,2-Dichloroethene | 4.367 | 96 | 163133 | 47.44 | ug/L | 89 |
| 35) 2-Butanone | 4.409 | 43 | 128029 | 47.18 | ug/L | 97 |
| 36) Propionitrile | 4.495 | 54 | 178920 | 248.29 | ug/L | 93 |
| 37) Bromochloromethane | 4.769 | 130 | 114577 | 46.26 | ug/L | 98 |
| 38) Methacrylonitrile | 4.769 | 67 | 76203 | 44.95 | ug/L # | 80 |
| 39) Tetrahydrofuran | 4.848 | 42 | 73546 | 47.13 | ug/L | 98 |
| 40) Chloroform | 4.946 | 83 | 261416 | 47.00 | ug/L | 97 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.251 | 97 | 201221 | 49.54 | ug/L | 98 |
| 43) Cyclohexane | 5.336 | 41 | 197909 | 50.19 | ug/L | 95 |
| 45) Carbontetrachloride | 5.525 | 117 | 177502 | 53.00 | ug/L | 98 |
| 46) 1,1-Dichloropropene | 5.543 | 75 | 190037 | 48.12 | ug/L | 96 |
| 48) Benzene | 5.866 | 78 | 576486 | 45.68 | ug/L | 96 |
| 49) 1,2-Dichloroethane | 5.903 | 62 | 240761 | 47.74 | ug/L | 96 |
| 50) Iso-Butyl Alcohol | 5.879 | 43 | 209028 | 975.84 | ug/L | 100 |
| 51) TAME | 6.104 | 73 | 352365 | 44.93 | ug/L | 97 |
| 52) n-Heptane | 6.360 | 43 | 232036 | 54.32 | ug/L | 94 |
| 53) 1-Butanol | 6.848 | 56 | 284741 | 2496.09 | ug/L | 95 |
| 54) Trichloroethene | 6.817 | 130 | 161765 | 45.24 | ug/L | 94 |
| 55) Methylcyclohexane | 7.061 | 55 | 228775 | 50.57 | ug/L | 90 |
| 56) 1,2-Diclpropane | 7.098 | 63 | 166585 | 48.40 | ug/L | 99 |
| 57) Dibromomethane | 7.244 | 93 | 101920 | 45.72 | ug/L | 95 |
| 58) 1,4-Dioxane | 7.299 | 88 | 54350 | 894.59 | ug/L | 90 |
| 59) Methyl Methacrylate | 7.330 | 69 | 115490 | 47.40 | ug/L # | 83 |
| 60) Bromodichloromethane | 7.470 | 83 | 201662 | 47.46 | ug/L | 96 |
| 61) 2-Nitropropane | 7.756 | 41 | 112294 | 121.33 | ug/L | 90 |
| 62) 2-Chloroethylvinyl Ether | 7.878 | 63 | 93015 | 62.35 | ug/L | 98 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 215485 | 50.80 | ug/L | 97 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 243258 | 46.02 | ug/L | 97 |
| 66) Toluene | 8.390 | 91 | 652285 | 47.05 | ug/L | 97 |
| 67) trans-1,3-Dichloropropene | 8.659 | 75 | 180811 | 54.70 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.799 | 69 | 207751 | 48.62 | ug/L | 95 |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 148577 | 45.06 | ug/L | 96 |
| 72) Tetrachloroethene | 8.982 | 164 | 124943 | 47.33 | ug/L | 95 |
| 73) 2-Hexanone | 9.140 | 43 | 168232 | 44.30 | ug/L | 98 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 251400 | 44.26 | ug/L | 98 |
| 75) Dibromochloromethane | 9.244 | 129 | 169147 | 50.04 | ug/L | 96 |
| 76) N-Butyl Acetate | 9.293 | 43 | 347847 | 46.27 | ug/L | 97 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 159620 | 47.96 | ug/L | 97 |
| 78) 3-Chlorobenzotrifluoride | 9.854 | 180 | 232242 | 44.96 | ug/L | 98 |
| 79) Chlorobenzene | 9.835 | 112 | 439872 | 45.88 | ug/L | 97 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 203854 | 45.52 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.921 | 131 | 156372 | 52.41 | ug/L | 97 |
| 82) Ethylbenzene | 9.957 | 106 | 226248 | 45.88 | ug/L | 97 |
| 83) (m+p)Xylene | 10.067 | 106 | 558046 | 91.52 | ug/L | 100 |
| 84) o-Xylene | 10.427 | 106 | 274152 | 45.22 | ug/L | 99 |
| 85) Styrene | 10.439 | 104 | 476779 | 46.57 | ug/L | 99 |
| 86) Bromoform | 10.591 | 173 | 109553 | 50.20 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 224535 | 46.14 | ug/L | 93 |
| 88) Isopropylbenzene | 10.762 | 105 | 653865 | 45.36 | ug/L | 99 |
| 89) Cyclohexanone | 10.823 | 55 | 525084 | 717.52 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 11.067 | 53 | 49015 | 54.72 | ug/L | 88 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 224643 | 44.19 | ug/L | 99 |
| 93) Bromobenzene | 11.006 | 156 | 202249 | 41.59 | ug/L | 99 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 69435 | 43.01 | ug/L # | 89 |
| 95) n-Propylbenzene | 11.115 | 91 | 818458 | 44.99 | ug/L | 97 |
| 96) 2-Chlorotoluene | 11.183 | 91 | 490290 | 43.27 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 503232 | 43.04 | ug/L | 98 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 593989 | 45.41 | ug/L | 98 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 610875 | 44.28 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.542 | 119 | 509441 | 43.44 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 599451 | 45.30 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.640 | 214 | 168407 | 44.37 | ug/L | 97 |
| 103) sec-Butylbenzene | 11.725 | 105 | 708220 | 44.03 | ug/L | 100 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV Inst : MSVOA10
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

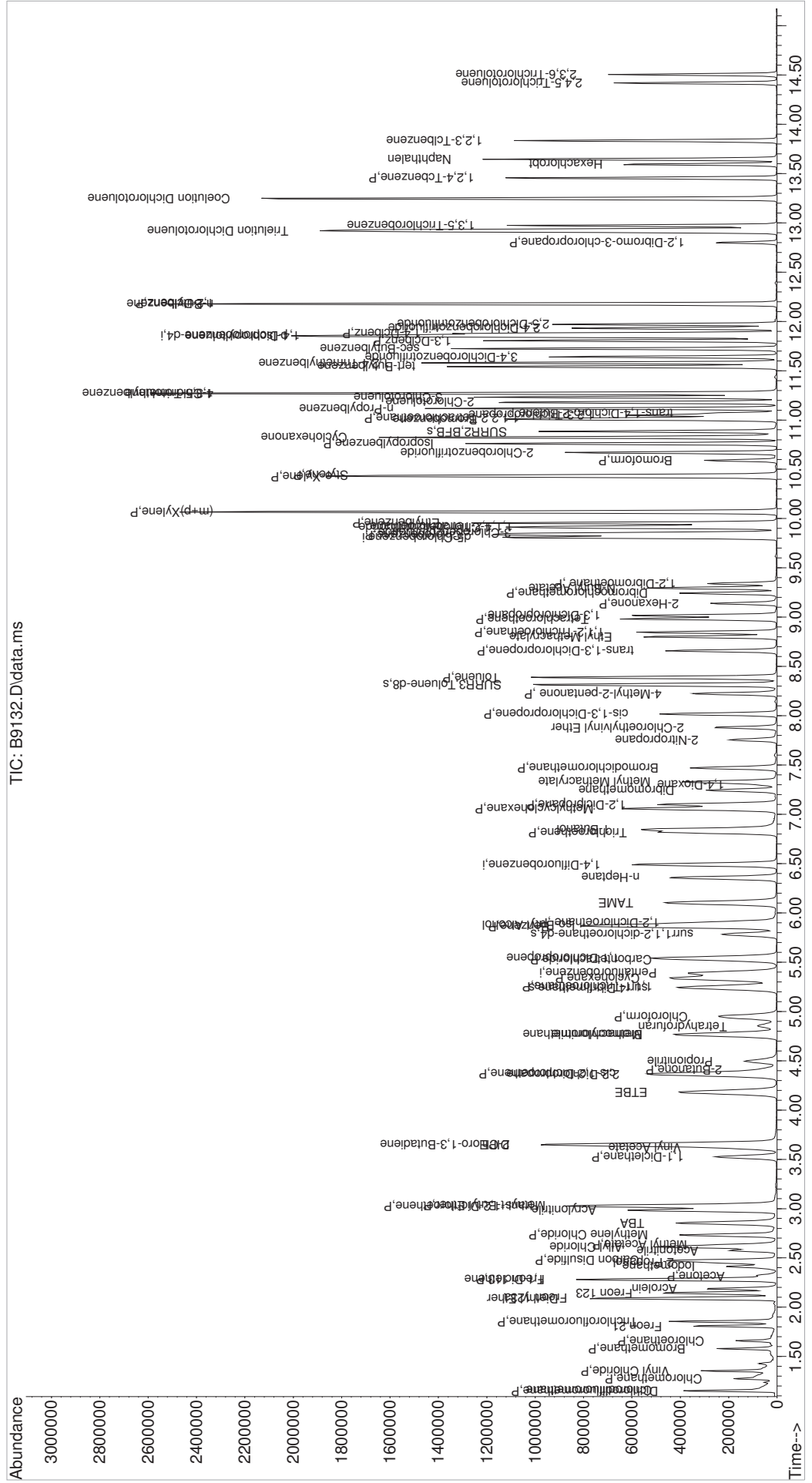
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 640031 | 44.14 | ug/L | 99 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 374199 | 44.25 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.878 | 146 | 382981 | 43.02 | ug/L | 100 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 156311 | 44.17 | ug/L | 100 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 177860 | 45.36 | ug/L | 97 |
| 109) n-Butylbenzene | 12.176 | 91 | 546129 | 45.92 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 375600 | 43.13 | ug/L | 96 |
| 111) 1,2-Dibromo-3-chloropr... | 12.798 | 157 | 50253 | 48.77 | ug/L | 92 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 948702 | 141.19 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 261660 | 45.84 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 703119 | 96.07 | ug/L | 100 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 258716 | 46.58 | ug/L | 99 |
| 116) Hexachlorobt | 13.597 | 225 | 88894 | 44.98 | ug/L | 97 |
| 117) Naphthalen | 13.645 | 128 | 709248 | 46.83 | ug/L | 100 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 253261 | 45.51 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 134689 | 57.68 | ug/L | 97 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 127685 | 59.09 | ug/L | 95 |

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

Data Path : I:\ACQDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

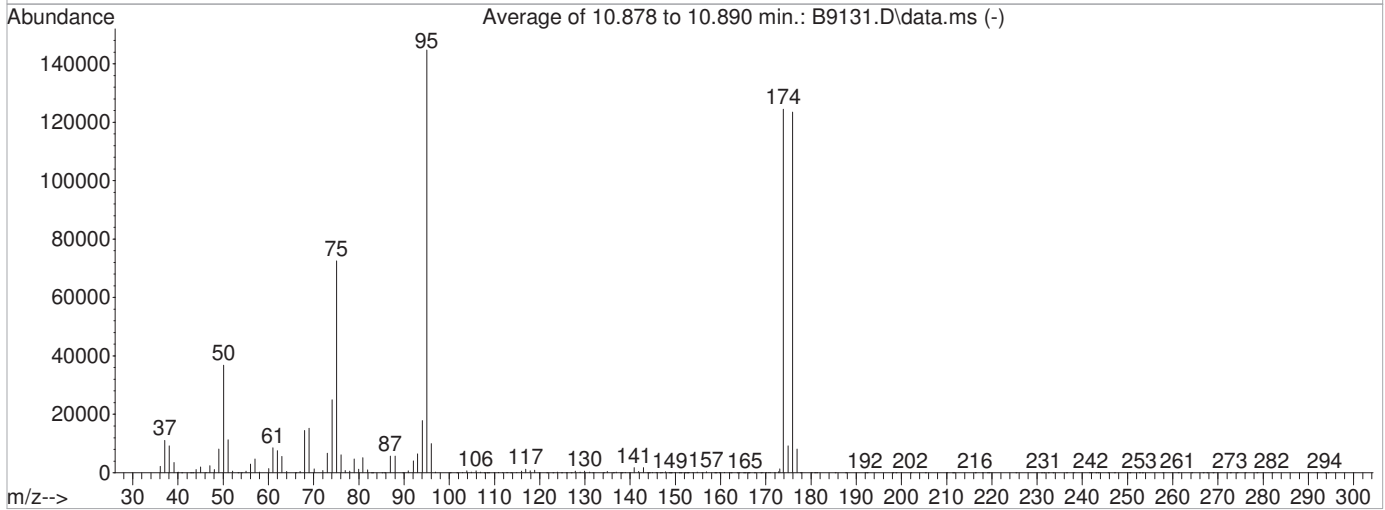
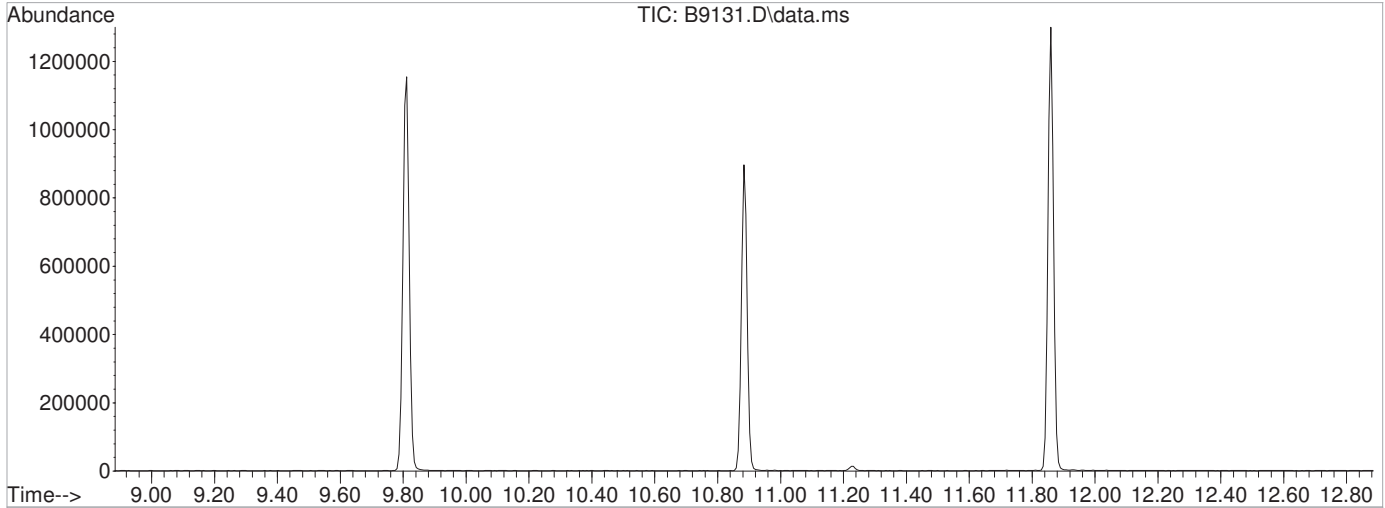
Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9131.D
Acq On : 20 Mar 2023 9:59 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1
Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Tue Jan 24 09:33:07 2023



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1598

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 25.4 | 36824 | PASS |
| 75 | 95 | 30 | 60 | 50.1 | 72491 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 144736 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 9988 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 1340 | PASS |
| 174 | 95 | 50 | 120 | 86.0 | 124416 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 9261 | PASS |
| 176 | 174 | 95 | 101 | 99.2 | 123440 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 8133 | PASS |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7796.D
 Acq On : 23 Jan 2023 9:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 24 09:57:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 301928 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 454748 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 421297 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 233436 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|---------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 144152 | 48.96 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 97.92% | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 167461 | 48.94 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 97.88% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 564073 | 49.25 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 98.50% | | |
| 70) SURR2,BFB | 10.884 | 95 | 206316 | 51.03 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 102.06% | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 164585 | 40.82 | ug/L | 98 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 98324 | 35.05 | ug/L | 93 |
| 4) Chloromethane | 1.282 | 50 | 199445 | 46.41 | ug/L | 98 |
| 5) Vinyl Chloride | 1.361 | 62 | 171273 | 39.70 | ug/L | 96 |
| 6) Bromomethane | 1.581 | 94 | 120256 | 46.39 | ug/L | 95 |
| 7) Chloroethane | 1.666 | 64 | 97515 | 45.21 | ug/L | 99 |
| 8) Freon 21 | 1.812 | 67 | 214431 | 41.57 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.861 | 101 | 187545 | 45.54 | ug/L | 99 |
| 10) Diethyl Ether | 2.087 | 59 | 127096 | 45.86 | ug/L | 95 |
| 11) Freon 123a | 2.099 | 67 | 151053 | 45.89 | ug/L | 92 |
| 12) Freon 123 | 2.148 | 83 | 204668 | 53.54 | ug/L | 95 |
| 13) Acrolein | 2.190 | 56 | 63439 | 84.89 | ug/L | 96 |
| 14) 1,1-Dicethene | 2.282 | 96 | 116160 | 48.62 | ug/L | 97 |
| 15) Freon 113 | 2.288 | 101 | 108216 | 44.64 | ug/L | 94 |
| 16) Acetone | 2.325 | 43 | 66758 | 45.82 | ug/L | 97 |
| 17) 2-Propanol | 2.453 | 45 | 254792 | 980.52 | ug/L | 97 |
| 18) Iodomethane | 2.416 | 142 | 154343 | 41.55 | ug/L | 100 |
| 19) Carbon Disulfide | 2.477 | 76 | 313284 | 41.74 | ug/L | 98 |
| 20) Acetonitrile | 2.581 | 41 | 124999 | 220.92 | ug/L | 90 |
| 21) Allyl Chloride | 2.617 | 76 | 64128 | 52.43 | ug/L # | 88 |
| 22) Methyl Acetate | 2.635 | 43 | 156068 | 40.32 | ug/L | 96 |
| 23) Methylene Chloride | 2.739 | 84 | 135141 | 45.62 | ug/L | 94 |
| 24) TBA | 2.855 | 59 | 346027 | 953.69 | ug/L | 96 |
| 25) Acrylonitrile | 2.989 | 53 | 371133 | 229.25 | ug/L | 100 |
| 26) Methyl-t-Butyl Ether | 3.032 | 73 | 396799 | 50.51 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 3.032 | 96 | 129094 | 49.27 | ug/L | 94 |
| 28) 1,1-Dicethane | 3.532 | 63 | 249634 | 48.75 | ug/L | 100 |
| 29) Vinyl Acetate | 3.623 | 86 | 13828 | 38.89 | ug/L # | 56 |
| 30) DIPE | 3.654 | 45 | 533741 | 45.22 | ug/L | 98 |
| 31) 2-Chloro-1,3-Butadiene | 3.654 | 53 | 224033 | 46.18 | ug/L | 100 |
| 32) ETBE | 4.184 | 59 | 355700 | 45.33 | ug/L | 99 |
| 33) 2,2-Dichloropropane | 4.361 | 77 | 111938 | 48.12 | ug/L | 97 |
| 34) cis-1,2-Dichloroethene | 4.379 | 96 | 151097 | 49.50 | ug/L | 95 |
| 35) 2-Butanone | 4.416 | 43 | 104638 | 43.44 | ug/L | 91 |
| 36) Propionitrile | 4.501 | 54 | 153724 | 240.31 | ug/L | 90 |
| 37) Bromochloromethane | 4.769 | 130 | 103408 | 47.03 | ug/L | 96 |
| 38) Methacrylonitrile | 4.775 | 67 | 69420 | 46.13 | ug/L | 96 |
| 39) Tetrahydrofuran | 4.861 | 42 | 67910 | 49.03 | ug/L | 89 |
| 40) Chloroform | 4.952 | 83 | 236378 | 47.88 | ug/L | 96 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7796.D
 Acq On : 23 Jan 2023 9:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 24 09:57:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 183595 | 50.91 | ug/L | 98 |
| 43) Cyclohexane | 5.348 | 41 | 154718 | 45.75 | ug/L | 93 |
| 45) Carbontetrachloride | 5.537 | 117 | 147638 | 51.40 | ug/L | 98 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 157615 | 46.53 | ug/L | 97 |
| 48) Benzene | 5.866 | 78 | 534937 | 49.42 | ug/L | 99 |
| 49) 1,2-Dichloroethane | 5.903 | 62 | 211091 | 48.81 | ug/L | 99 |
| 50) Iso-Butyl Alcohol | 5.879 | 43 | 185575 | 1006.39 | ug/L | 98 |
| 51) TAME | 6.104 | 73 | 340031 | 50.55 | ug/L | 93 |
| 52) n-Heptane | 6.360 | 43 | 166569 | 45.46 | ug/L | 97 |
| 53) 1-Butanol | 6.848 | 56 | 256241 | 2599.25 | ug/L | 98 |
| 54) Trichloroethene | 6.824 | 130 | 154785 | 50.47 | ug/L | 94 |
| 55) Methylcyclohexane | 7.061 | 55 | 180447 | 46.51 | ug/L | 98 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 149878 | 50.77 | ug/L | 97 |
| 57) Dibromomethane | 7.244 | 93 | 93977 | 49.15 | ug/L | 95 |
| 58) 1,4-Dioxane | 7.311 | 88 | 46443 | 891.29 | ug/L | 95 |
| 59) Methyl Methacrylate | 7.330 | 69 | 109687 | 52.49 | ug/L | 88 |
| 60) Bromodichloromethane | 7.470 | 83 | 178661 | 49.02 | ug/L | 97 |
| 61) 2-Nitropropane | 7.756 | 41 | 74730 | 94.14 | ug/L | 91 |
| 62) 2-Chloroethylvinyl Ether | 7.884 | 63 | 62333 | 48.72 | ug/L | 79 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 194922 | 53.58 | ug/L | 100 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 209257 | 46.16 | ug/L | 95 |
| 66) Toluene | 8.390 | 91 | 595680 | 50.10 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.659 | 75 | 161001 | 56.48 | ug/L | 94 |
| 68) Ethyl Methacrylate | 8.799 | 69 | 196657 | 53.66 | ug/L | 97 |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 136883 | 48.40 | ug/L | 99 |
| 72) Tetrachloroethene | 8.982 | 164 | 116212 | 52.03 | ug/L | 98 |
| 73) 2-Hexanone | 9.140 | 43 | 150697 | 46.89 | ug/L | 100 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 228118 | 47.46 | ug/L | 94 |
| 75) Dibromochloromethane | 9.244 | 129 | 151490 | 52.97 | ug/L | 96 |
| 76) N-Butyl Acetate | 9.293 | 43 | 313833 | 49.33 | ug/L | 98 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 143627 | 51.00 | ug/L | 93 |
| 78) 3-Chlorobenzotrifluoride | 9.854 | 180 | 178431 | 40.82 | ug/L | 99 |
| 79) Chlorobenzene | 9.835 | 112 | 374391 | 46.15 | ug/L | 98 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 156405 | 41.27 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.921 | 131 | 129219 | 51.18 | ug/L | 95 |
| 82) Ethylbenzene | 9.957 | 106 | 208479 | 49.96 | ug/L | 98 |
| 83) (m+p)Xylene | 10.067 | 106 | 529834 | 102.68 | ug/L | 96 |
| 84) o-Xylene | 10.427 | 106 | 251010 | 48.93 | ug/L | 97 |
| 85) Styrene | 10.439 | 104 | 457164 | 52.78 | ug/L | 97 |
| 86) Bromoform | 10.591 | 173 | 96607 | 52.31 | ug/L | 97 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 186291 | 45.23 | ug/L | 97 |
| 88) Isopropylbenzene | 10.762 | 105 | 633594 | 51.94 | ug/L | 100 |
| 89) Cyclohexanone | 10.823 | 55 | 945829 | 1527.40 | ug/L | 97 |
| 90) trans-1,4-Dichloro-2-B... | 11.067 | 53 | 43939 | 57.96 | ug/L | 97 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 188290 | 44.70 | ug/L | 97 |
| 93) Bromobenzene | 11.006 | 156 | 188608 | 46.81 | ug/L | 97 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 60823 | 45.48 | ug/L # | 89 |
| 95) n-Propylbenzene | 11.115 | 91 | 745920 | 49.49 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.183 | 91 | 434894 | 46.33 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 412331 | 42.57 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 525337 | 48.47 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 581849 | 50.91 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.542 | 119 | 484461 | 49.86 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 563442 | 51.39 | ug/L | 98 |
| 102) 3,4-Dichlorobenzotrifl... | 11.640 | 214 | 134402 | 42.74 | ug/L | 92 |
| 103) sec-Butylbenzene | 11.725 | 105 | 674357 | 50.60 | ug/L | 99 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7796.D
 Acq On : 23 Jan 2023 9:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 24 09:57:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

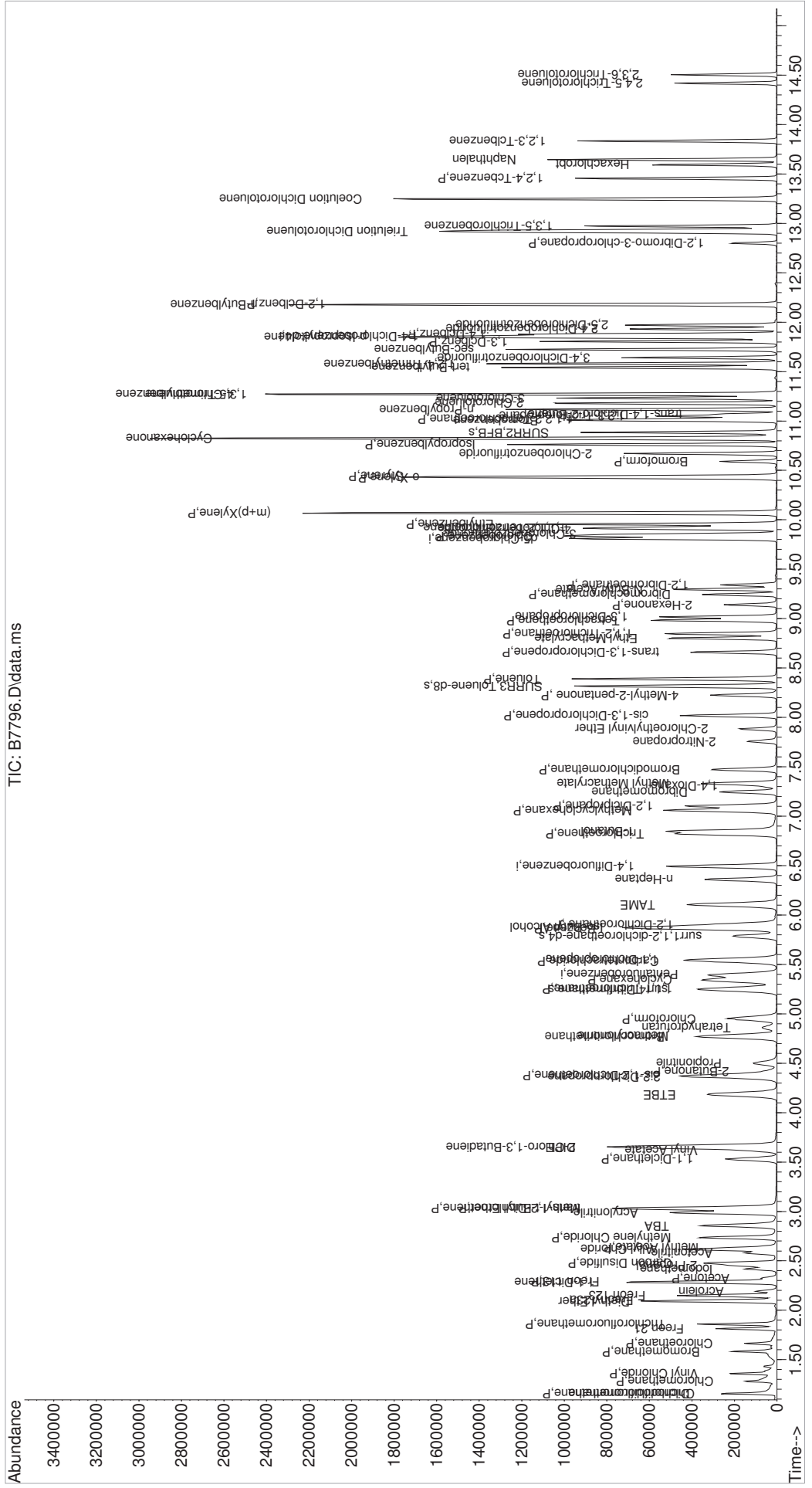
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 619202 | 51.54 | ug/L | 99 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 339371 | 48.43 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.878 | 146 | 344127 | 46.66 | ug/L | 97 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 123805 | 42.22 | ug/L | 97 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 140988 | 43.40 | ug/L | 98 |
| 109) n-Butylbenzene | 12.176 | 91 | 498717 | 50.62 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 338710 | 46.95 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 41107 | 48.15 | ug/L | 88 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 784663 | 140.95 | ug/L | 98 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 219645 | 46.45 | ug/L | 97 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 586452 | 96.71 | ug/L | 99 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 220795 | 47.88 | ug/L | 96 |
| 116) Hexachlorobt | 13.597 | 225 | 80392 | 49.10 | ug/L | 97 |
| 117) Naphthalen | 13.645 | 128 | 633002 | 50.21 | ug/L | 100 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 213268 | 46.22 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 95672 | 50.84 | ug/L | 93 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 91862 | 52.44 | ug/L | 98 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
Data File : B7796.D
Acq On : 23 Jan 2023 9:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA10

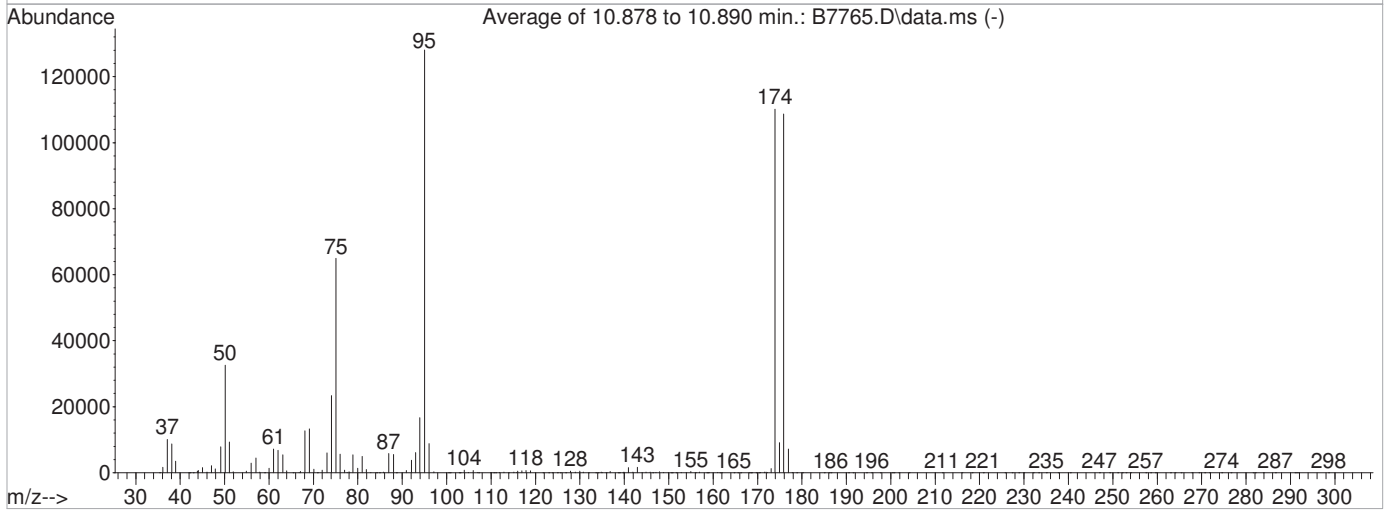
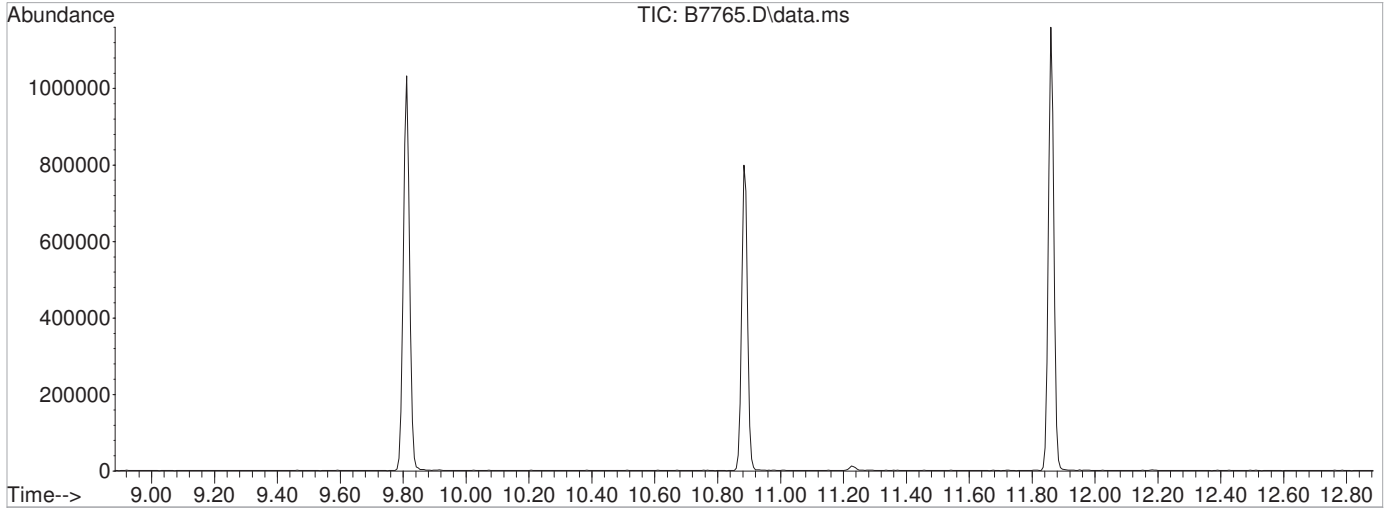
Quant Time: Jan 24 09:57:41 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7765.D
Acq On : 23 Jan 2023 9:44 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1
Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W122022.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Dec 21 12:39:04 2022



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1599

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 25.4 | 32557 | PASS |
| 75 | 95 | 30 | 60 | 50.7 | 64957 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 128064 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 8865 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 1223 | PASS |
| 174 | 95 | 50 | 120 | 86.0 | 110107 | PASS |
| 175 | 174 | 5 | 9 | 8.3 | 9091 | PASS |
| 176 | 174 | 95 | 101 | 98.7 | 108659 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 7145 | PASS |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7766.D
 Acq On : 23 Jan 2023 10:16 am
 Operator : F.NAEGLER
 Sample : ICALBLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 23 14:25:09 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 14:02:42 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|--------|------|----------|-------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 314575 | 50.00 | ug/L | 0.00 |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 462125 | 50.00 | ug/L | 0.00 |
| 7) d5-Chlorobenzene | 9.811 | 117 | 436257 | 50.00 | ug/L | 0.00 |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 211968 | 50.00 | ug/L | 0.00 |

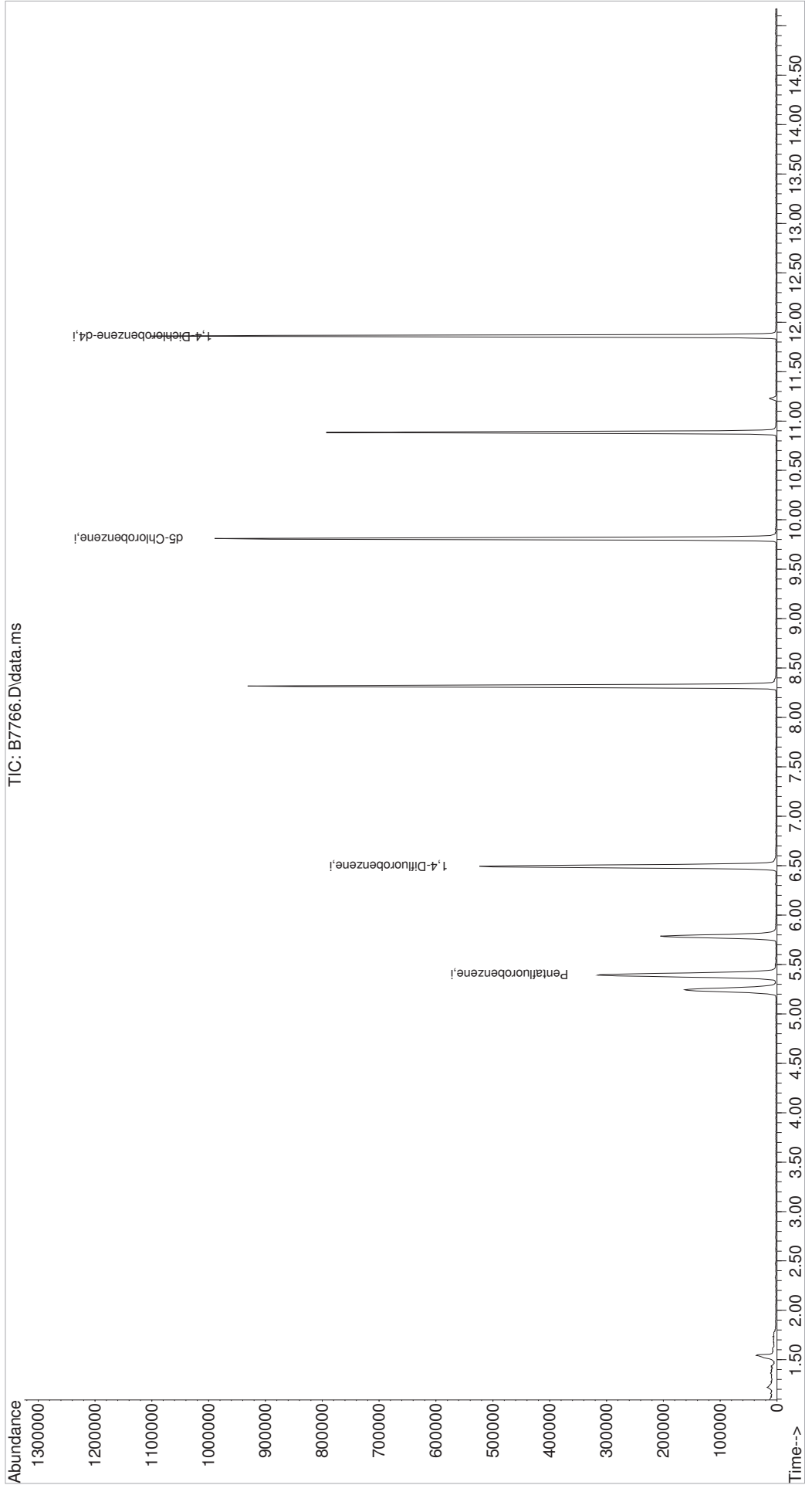
| Target Compounds | Qvalue |
|------------------|--------|
| ----- | |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7766.D
Acq On : 23 Jan 2023 10:16 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 23 14:25:09 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 14:02:42 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7767.D
 Acq On : 23 Jan 2023 10:45 am
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 23 11:14:32 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Wed Jun 08 14:55:50 2022
 Response via : Initial Calibration

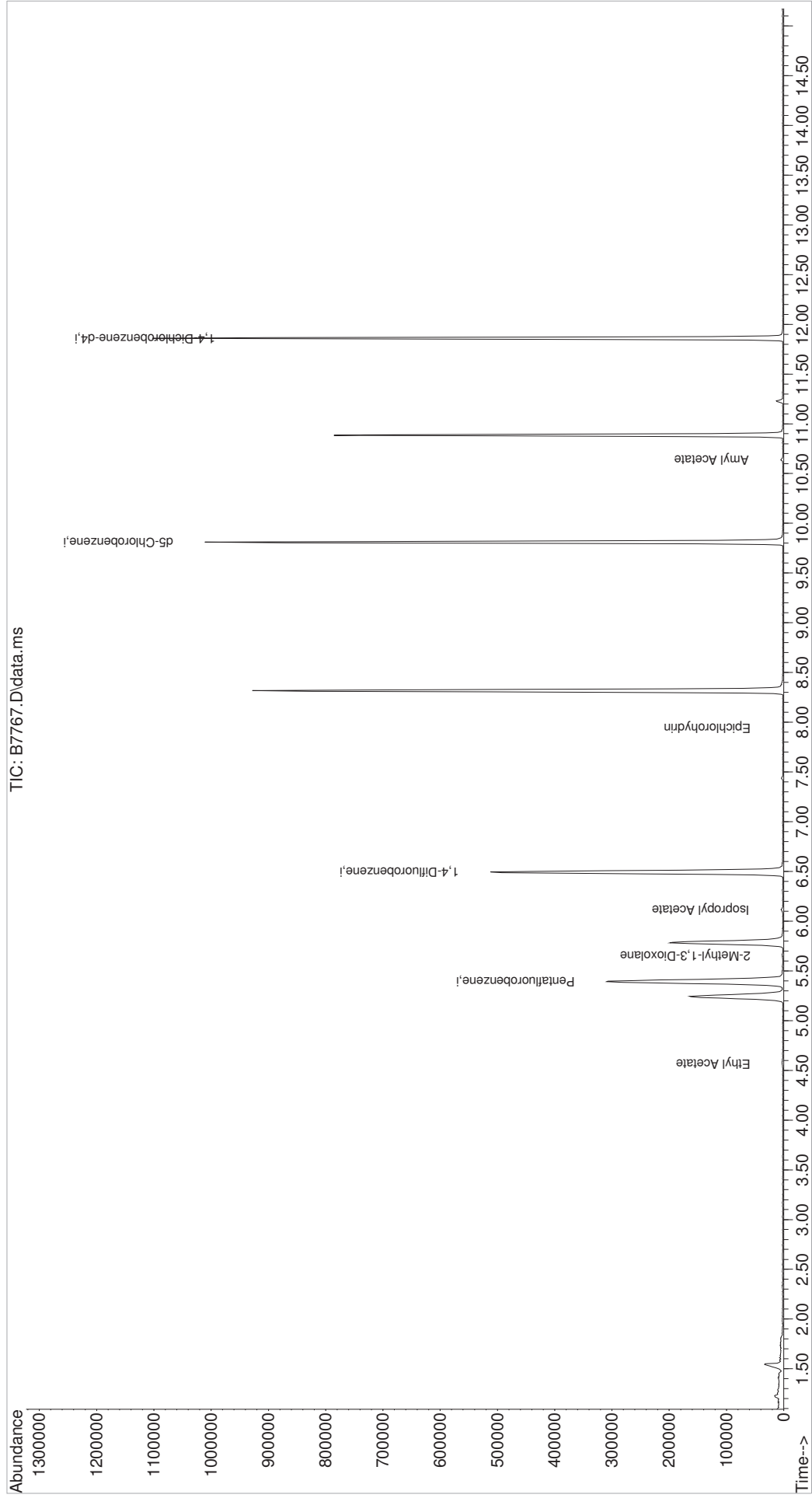
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|-------|--------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 303531 | 50.00 | ug/L | -0.01 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 454235 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 431791 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 210991 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.568 | 43 | 3214 | 0.73 | ug/L | | Qvalue 76 |
| 4) 2-Methyl-1,3-Dioxolane | 5.653 | 73 | 898 | 1.77 | ug/L # | | 57 |
| 5) Isopropyl Acetate | 6.116 | 43 | 2943 | 0.40 | ug/L | | 78 |
| 6) Epichlorohydrin | 7.939 | 57 | 460 | 1.25 | ug/L # | | 61 |
| 8) Amyl Acetate | 10.640 | 43 | 2089 | 0.46 | ug/L | | 89 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7767.D
Acq On : 23 Jan 2023 10:45 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

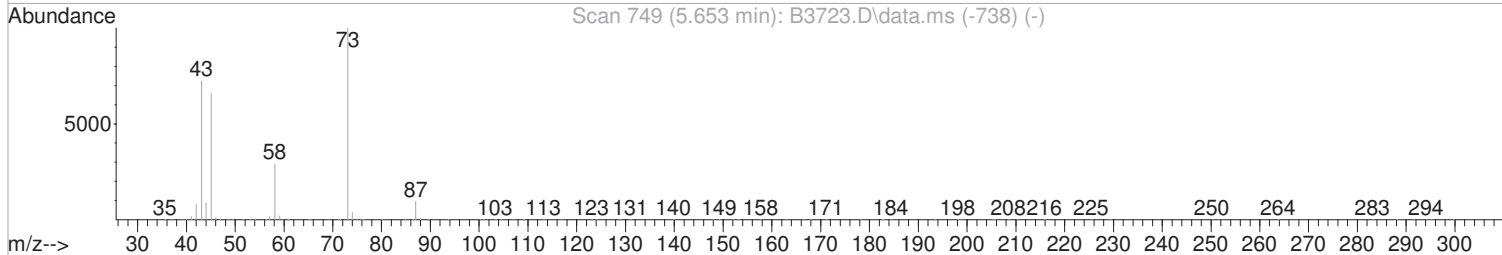
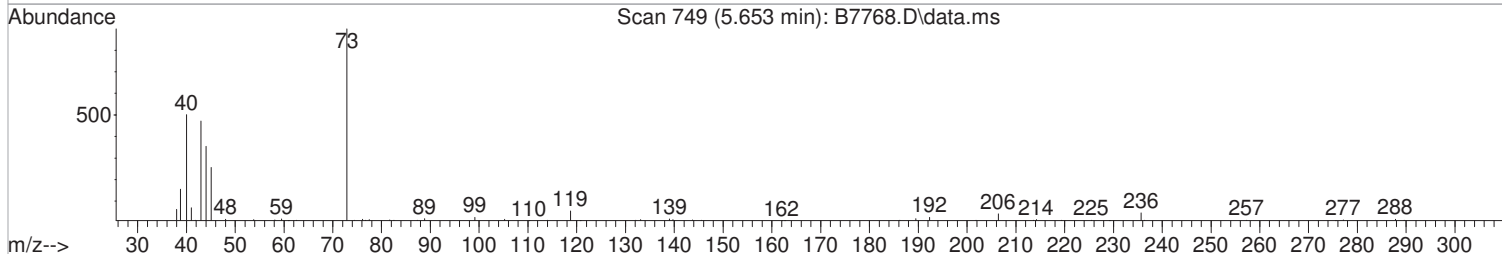
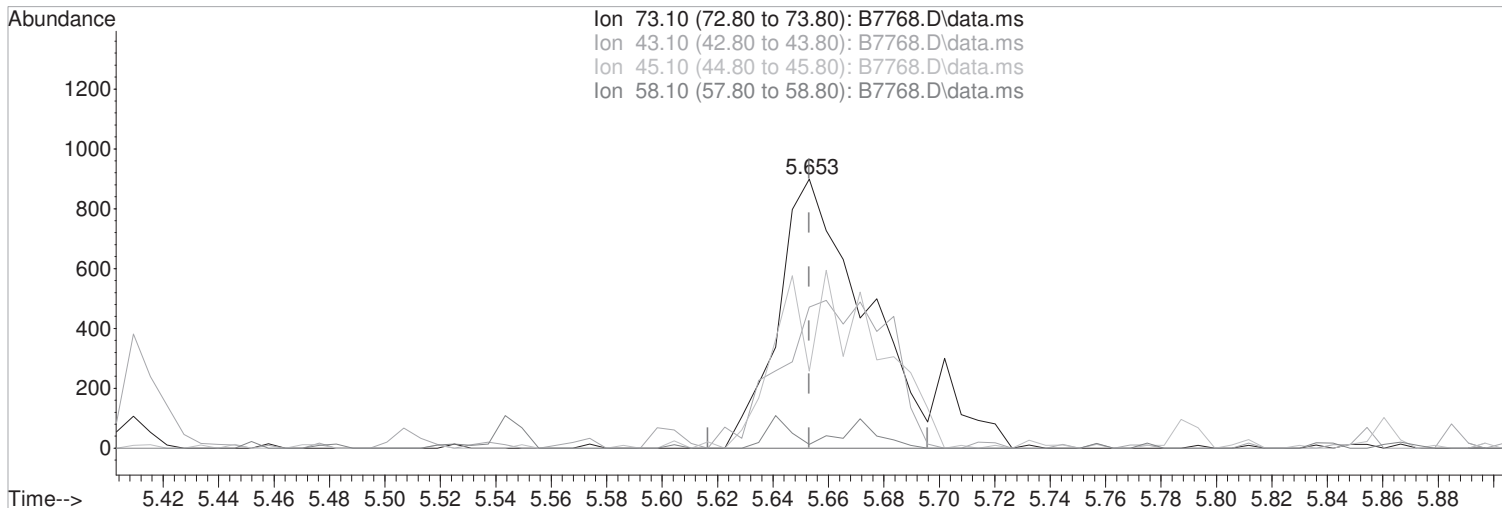
Quant Time: Jan 23 11:14:32 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jun 08 14:55:50 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7768.D
Acq On : 23 Jan 2023 11:07 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 23 11:27:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 11:15:08 2023
Response via : Initial Calibration



TIC: B7768.D\data.ms

(4) 2-Methyl-1,3-Dioxolane
5.653min (+0.000) 4.32 ug/L m
response 2143

Manual Integration:
After
Poor integration.

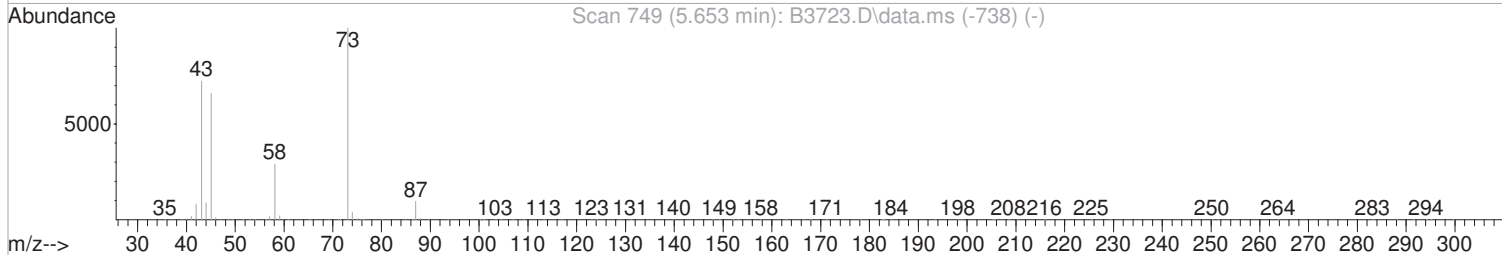
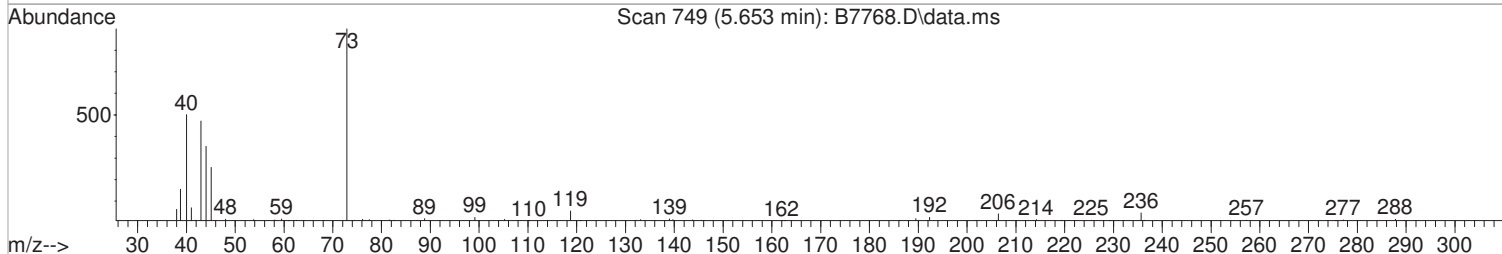
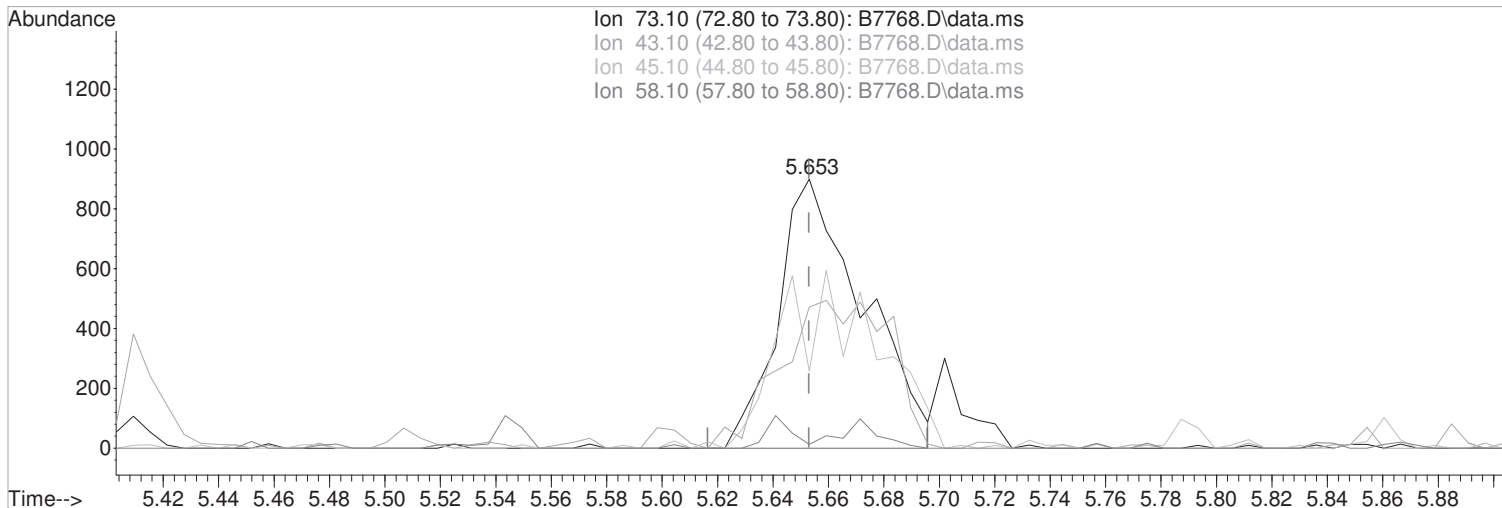
| Ion | Exp% | Act% |
|-------|-------|--------|
| 73.10 | 100 | 100 |
| 43.10 | 72.40 | 52.39# |
| 45.10 | 66.00 | 28.59# |
| 58.10 | 29.00 | 1.45# |

01/23/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7768.D
Acq On : 23 Jan 2023 11:07 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 23 11:27:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 11:15:08 2023
Response via : Initial Calibration



TIC: B7768.D\data.ms

(4) 2-Methyl-1,3-Dioxolane
5.653min (+0.000) 3.89 ug/L
response 1929

Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|-------|--------|
| 73.10 | 100 | 100 |
| 43.10 | 72.40 | 52.39# |
| 45.10 | 66.00 | 28.59# |
| 58.10 | 29.00 | 1.45# |

01/23/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7768.D
 Acq On : 23 Jan 2023 11:07 am
 Operator : F.NAEGLER
 Sample : 1 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

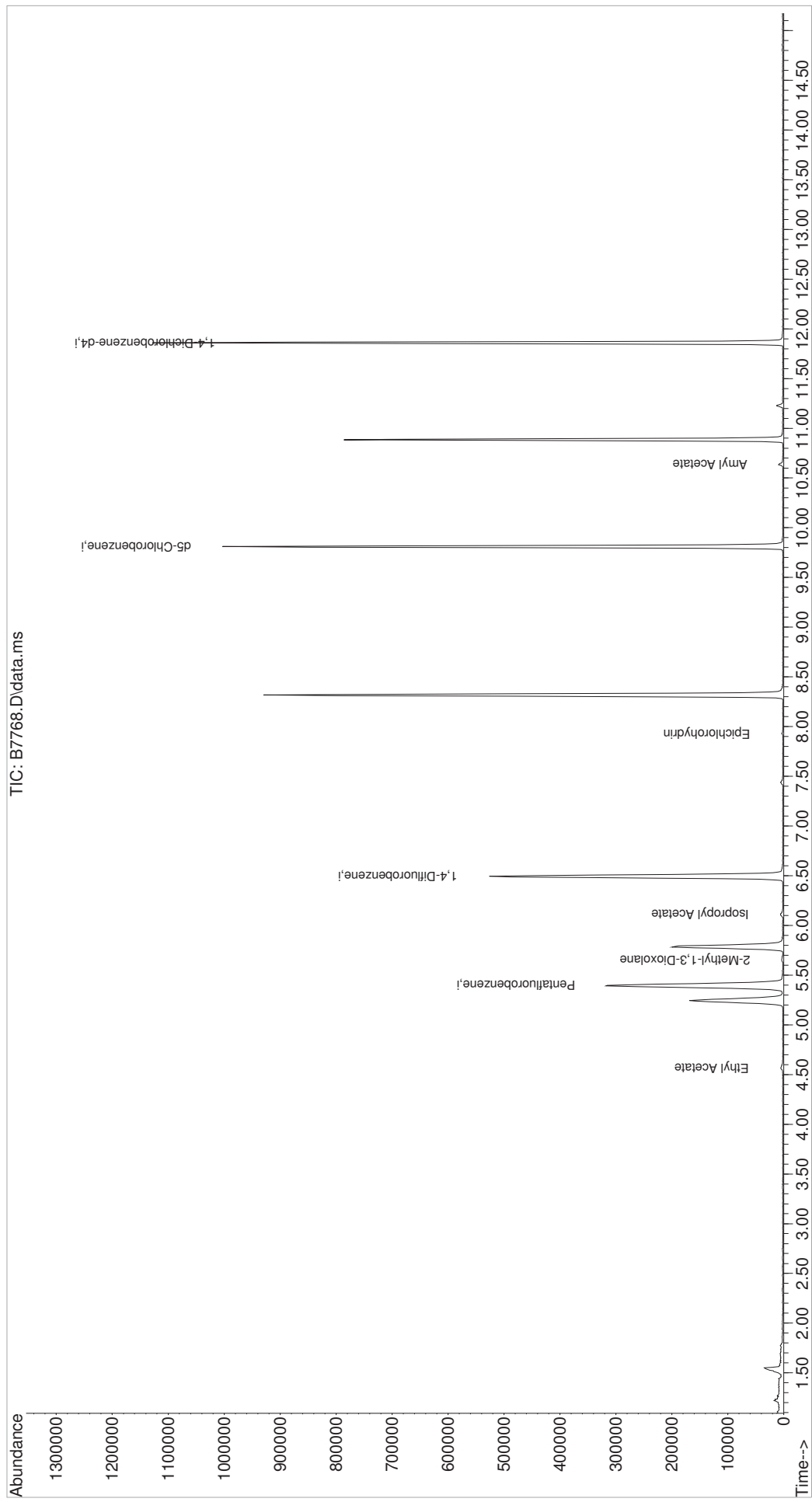
Quant Time: Jan 23 11:27:49 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 11:15:08 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|-------|--------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 305750 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 455291 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 426178 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 210780 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.568 | 43 | 6757 | 1.57 | ug/L | | Qvalue 93 |
| 4) 2-Methyl-1,3-Dioxolane | 5.653 | 73 | 2143m | 4.32 | ug/L | | |
| 5) Isopropyl Acetate | 6.116 | 43 | 5303 | 0.74 | ug/L | | 97 |
| 6) Epichlorohydrin | 7.927 | 57 | 1161 | 3.43 | ug/L # | | 63 |
| 8) Amyl Acetate | 10.640 | 43 | 4507 | 0.98 | ug/L | | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7768.D
Acq On : 23 Jan 2023 11:07 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10
Quant Time: Jan 23 11:27:49 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 11:15:08 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7769.D
 Acq On : 23 Jan 2023 11:28 am
 Operator : F.NAEGLER
 Sample : 2 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

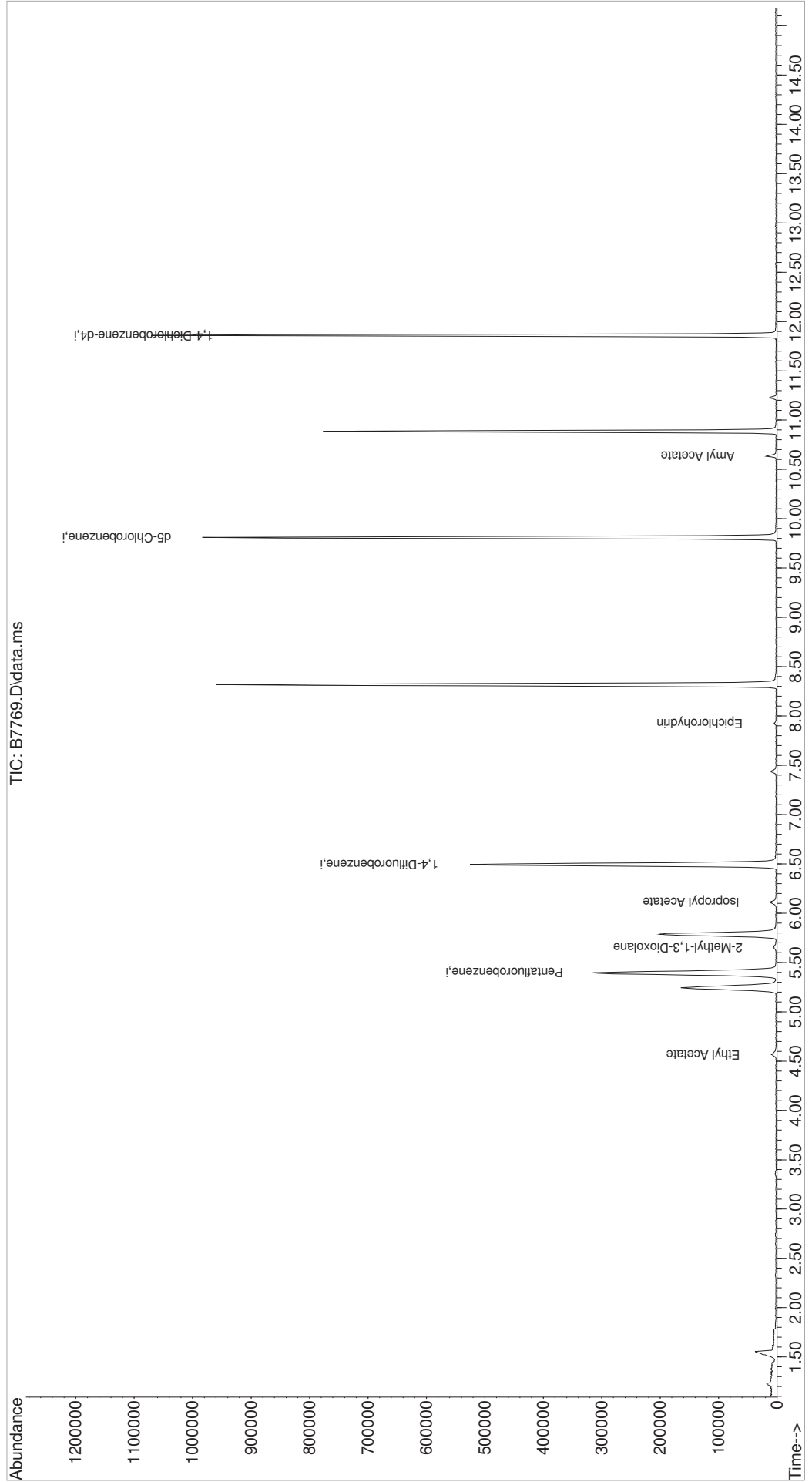
Quant Time: Jan 23 11:50:20 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 11:28:18 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|-------|--------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 303736 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 458195 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 419922 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 206858 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.568 | 43 | 13696 | 3.26 | ug/L | | Qvalue 98 |
| 4) 2-Methyl-1,3-Dioxolane | 5.653 | 73 | 3447 | 7.15 | ug/L | | 90 |
| 5) Isopropyl Acetate | 6.116 | 43 | 11809 | 1.67 | ug/L | | 90 |
| 6) Epichlorohydrin | 7.927 | 57 | 2367 | 7.16 | ug/L # | | 88 |
| 8) Amyl Acetate | 10.634 | 43 | 8587 | 1.85 | ug/L | | 96 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7769.D
Acq On : 23 Jan 2023 11:28 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 23 11:50:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 11:28:18 2023
Response via : Initial Calibration



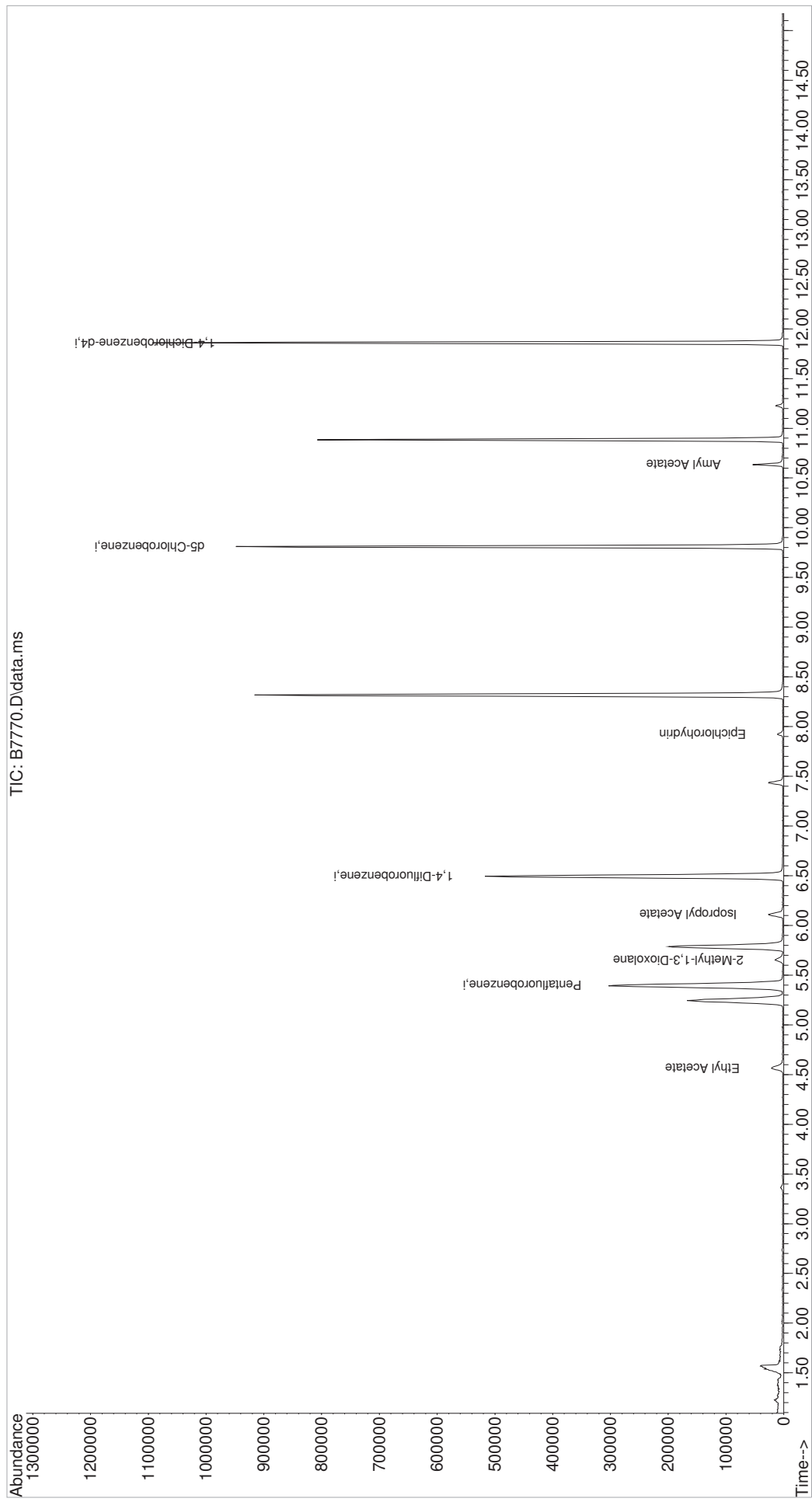
Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7770.D
 Acq On : 23 Jan 2023 11:50 am
 Operator : F.NAEGLER
 Sample : 5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 23 12:40:32 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 11:50:44 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|-------|-------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 292358 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 444227 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 411615 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 203245 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.562 | 43 | 36547 | 9.21 | ug/L | | Qvalue 97 |
| 4) 2-Methyl-1,3-Dioxolane | 5.653 | 73 | 10506 | 23.19 | ug/L | | 87 |
| 5) Isopropyl Acetate | 6.110 | 43 | 30045 | 4.45 | ug/L | | 96 |
| 6) Epichlorohydrin | 7.927 | 57 | 6637 | 21.34 | ug/L | | 99 |
| 8) Amyl Acetate | 10.634 | 43 | 23997 | 5.16 | ug/L | | 95 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7770.D
 Acq On : 23 Jan 2023 11:50 am
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 Inst : MSVOA10
 Quant Time: Jan 23 12:40:32 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 11:50:44 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7771.D
 Acq On : 23 Jan 2023 12:12 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

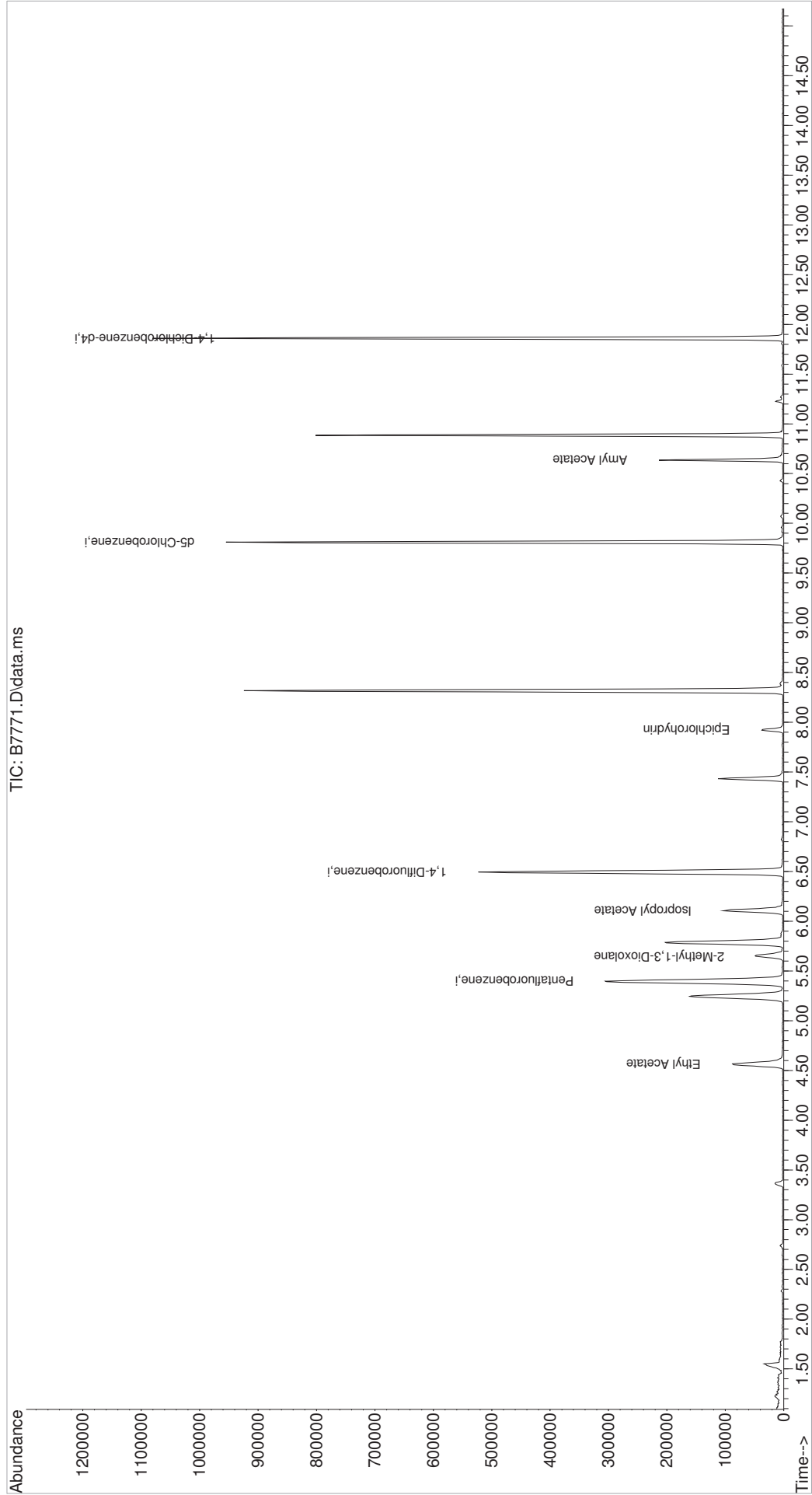
Quant Time: Jan 23 12:41:03 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 12:40:59 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|-------|-------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 299905 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 450462 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 409757 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 202584 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.568 | 43 | 155396 | 38.68 | ug/L | | Qvalue 98 |
| 4) 2-Methyl-1,3-Dioxolane | 5.647 | 73 | 39699 | 89.13 | ug/L | | 96 |
| 5) Isopropyl Acetate | 6.104 | 43 | 124971 | 18.39 | ug/L | | 100 |
| 6) Epichlorohydrin | 7.921 | 57 | 28253 | 91.50 | ug/L | | 94 |
| 8) Amyl Acetate | 10.634 | 43 | 105159 | 21.95 | ug/L | | 97 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7771.D
Acq On : 23 Jan 2023 12:12 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Jan 23 12:41:03 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 12:40:59 2023
Response via : Initial Calibration

Inst : MSVOA10



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7772.D
 Acq On : 23 Jan 2023 12:34 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 23 13:05:31 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 12:41:28 2023
 Response via : Initial Calibration

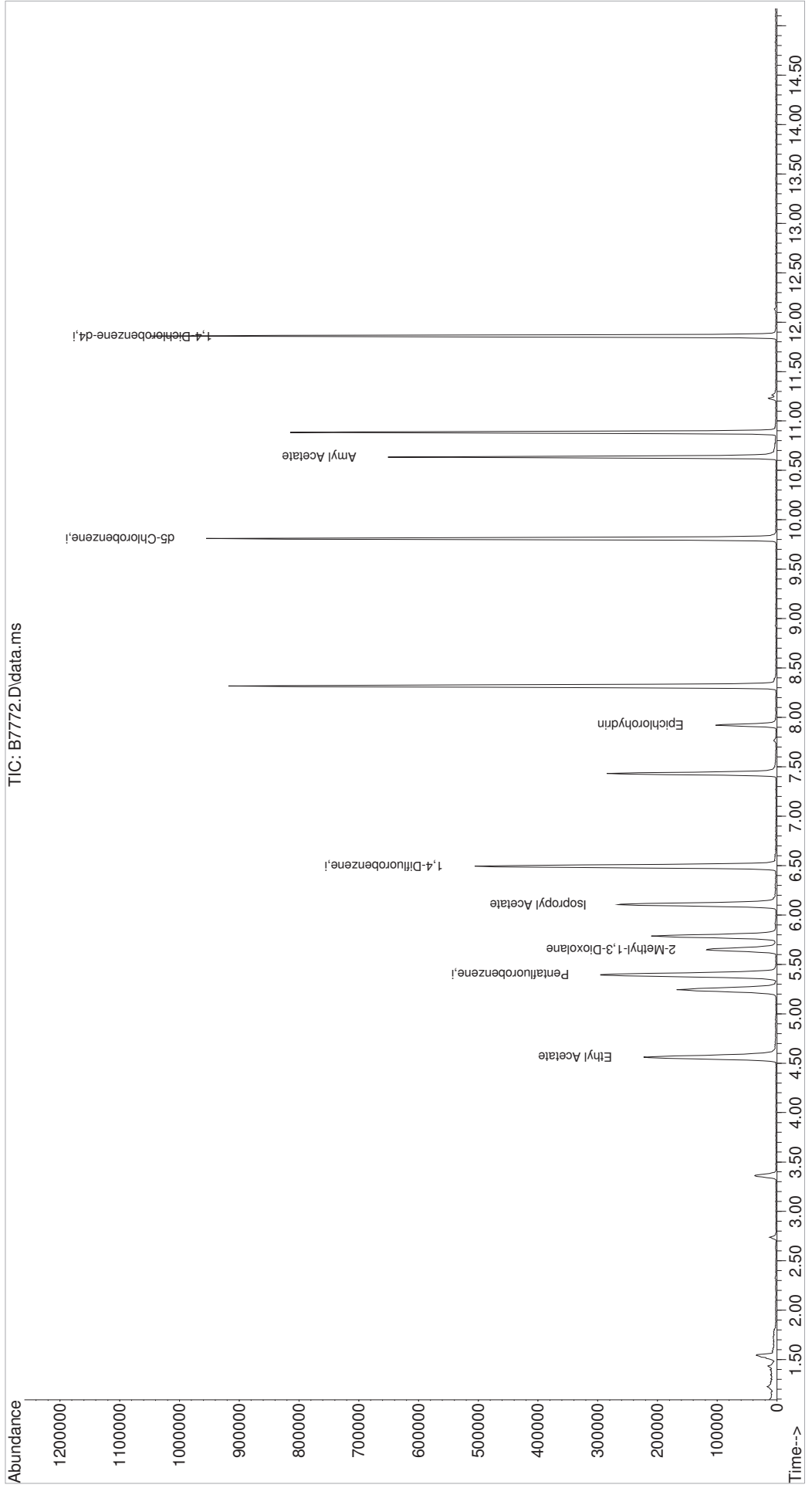
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|--------|-------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 287894 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 446652 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 407418 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 197492 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.562 | 43 | 390787 | 102.23 | ug/L | | Qvalue 98 |
| 4) 2-Methyl-1,3-Dioxolane | 5.653 | 73 | 101177 | 232.39 | ug/L | | 91 |
| 5) Isopropyl Acetate | 6.104 | 43 | 332228 | 49.69 | ug/L | | 98 |
| 6) Epichlorohydrin | 7.921 | 57 | 70276 | 233.79 | ug/L | | 100 |
| 8) Amyl Acetate | 10.634 | 43 | 303631 | 61.45 | ug/L | | 98 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7772.D
Acq On : 23 Jan 2023 12:34 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 23 13:05:31 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 12:41:28 2023
Response via : Initial Calibration



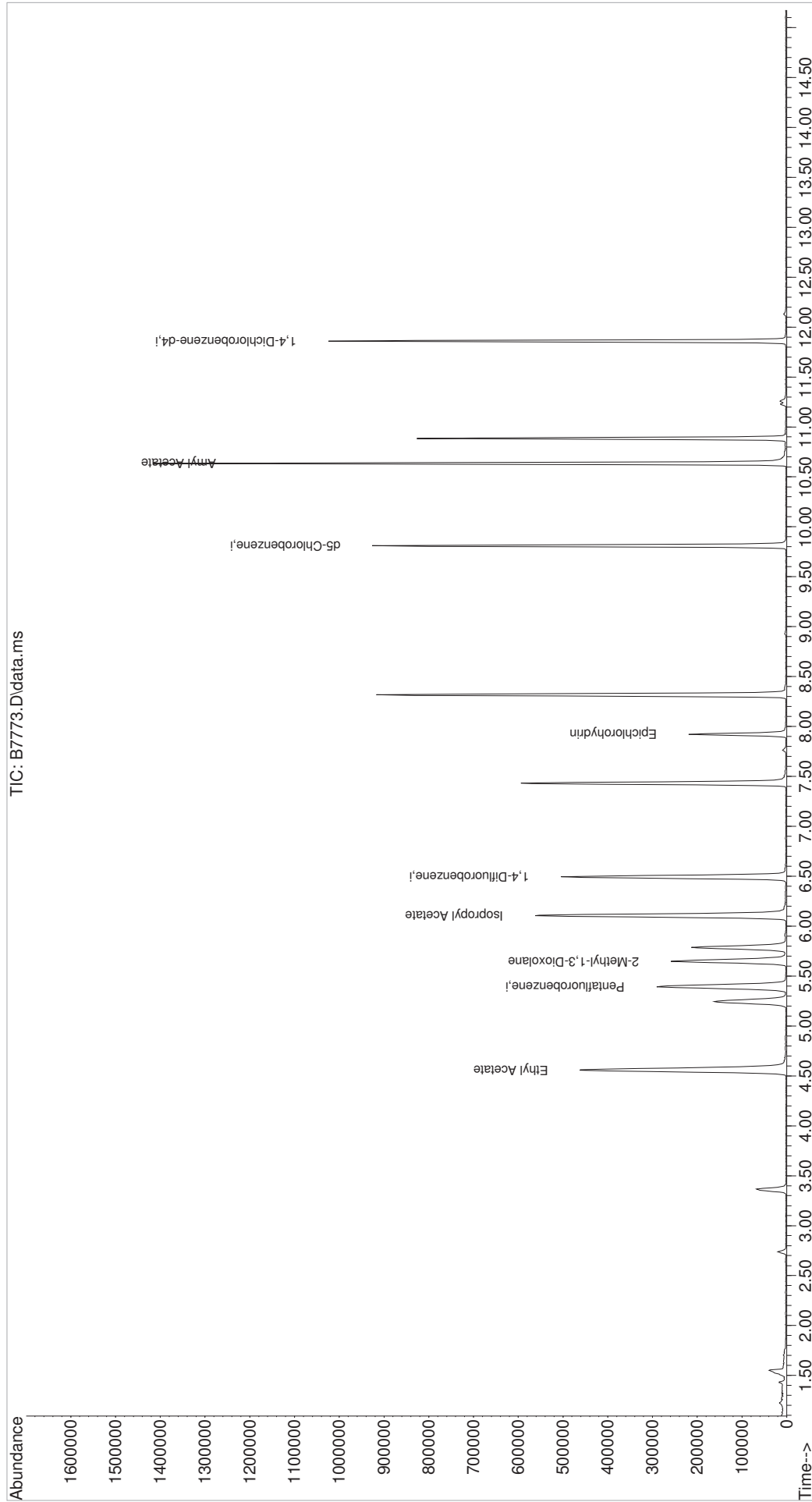
Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7773.D
 Acq On : 23 Jan 2023 12:56 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 23 13:29:24 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 13:05:57 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|--------|-------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 286766 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 435367 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 399194 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 198423 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.556 | 43 | 817667 | 216.58 | ug/L | | Qvalue 97 |
| 4) 2-Methyl-1,3-Dioxolane | 5.647 | 73 | 214569 | 514.67 | ug/L | | 97 |
| 5) Isopropyl Acetate | 6.104 | 43 | 707737 | 109.62 | ug/L | | 98 |
| 6) Epichlorohydrin | 7.921 | 57 | 148193 | 519.48 | ug/L | | 100 |
| 8) Amyl Acetate | 10.634 | 43 | 656021 | 130.58 | ug/L | | 100 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7773.D
 Acq On : 23 Jan 2023 12:56 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 Inst : MSVOA10
 Quant Time: Jan 23 13:29:24 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 13:05:57 2023
 Response via : Initial Calibration



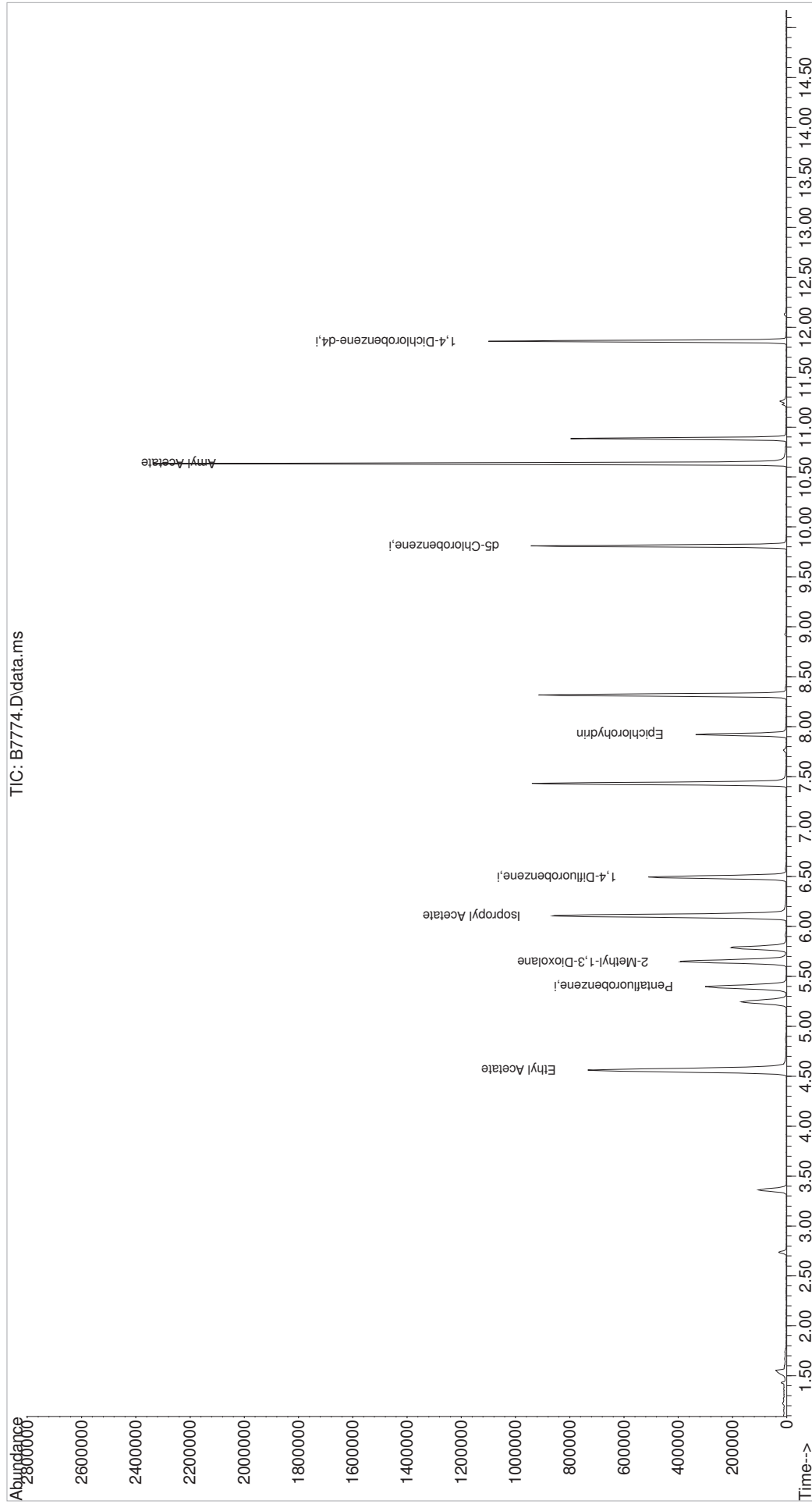
Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7774.D
 Acq On : 23 Jan 2023 1:18 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 23 13:34:47 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 13:29:47 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|--------|-------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 289829 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 440332 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 405818 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 205771 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.562 | 43 | 1263306 | 332.64 | ug/L | | Qvalue 97 |
| 4) 2-Methyl-1,3-Dioxolane | 5.647 | 73 | 335765 | 805.18 | ug/L | | 97 |
| 5) Isopropyl Acetate | 6.104 | 43 | 1099291 | 169.76 | ug/L | | 98 |
| 6) Epichlorohydrin | 7.921 | 57 | 242275 | 861.61 | ug/L | | 98 |
| 8) Amyl Acetate | 10.634 | 43 | 1057647 | 201.10 | ug/L | | 100 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7774.D
 Acq On : 23 Jan 2023 1:18 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 Inst : MSVOA10
 Quant Time: Jan 23 13:34:47 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 13:29:47 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7775.D
 Acq On : 23 Jan 2023 1:40 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

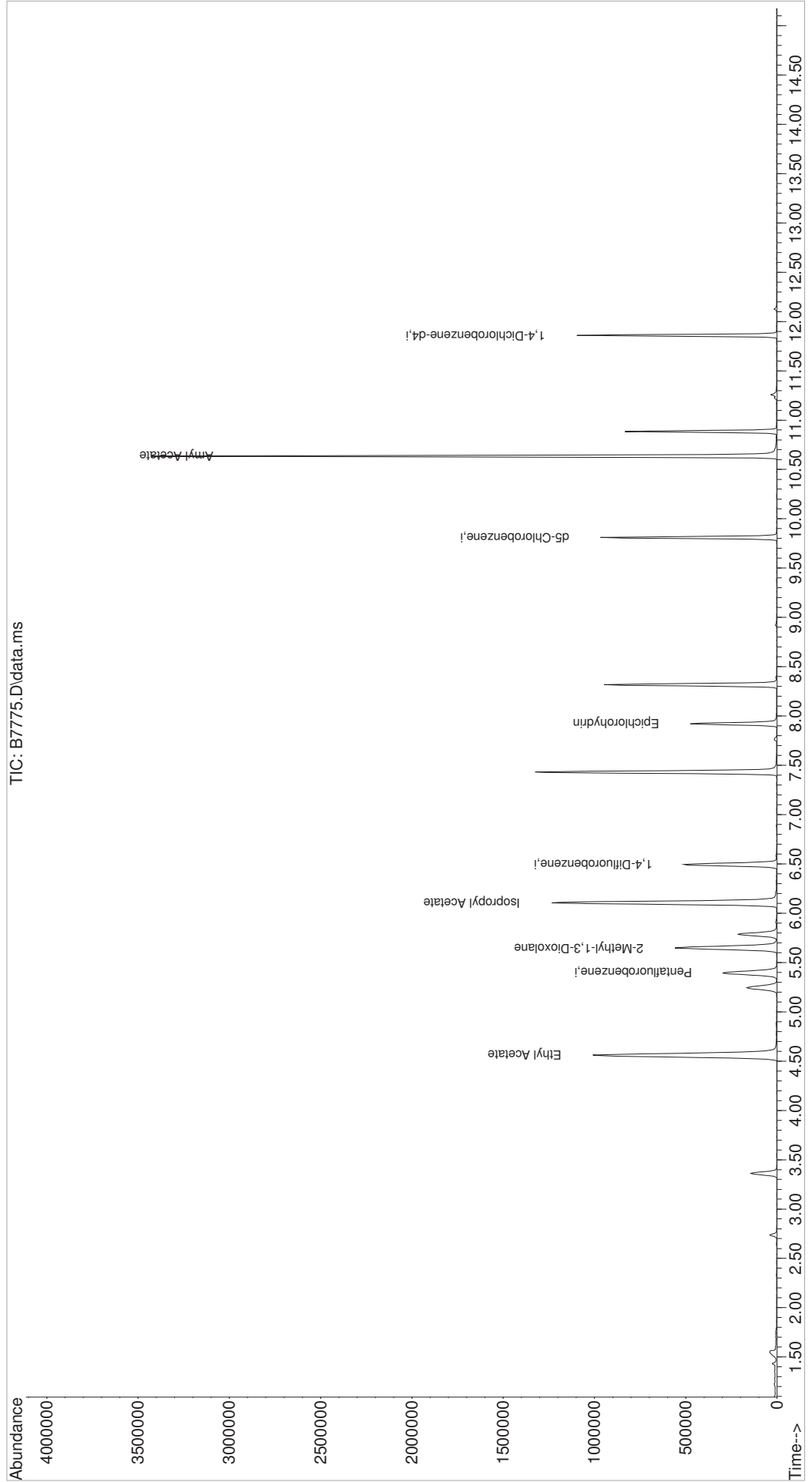
Quant Time: Jan 23 14:02:27 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 13:35:12 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|---------|-------|-----------|-----------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 290513 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 444284 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 409980 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 213086 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.562 | 43 | 1763517 | 467.03 | ug/L | | Qvalue 98 |
| 4) 2-Methyl-1,3-Dioxolane | 5.647 | 73 | 467530 | 1126.73 | ug/L | | 95 |
| 5) Isopropyl Acetate | 6.104 | 43 | 1544448 | 238.55 | ug/L | | 98 |
| 6) Epichlorohydrin | 7.921 | 57 | 341159 | 1230.57 | ug/L | | 96 |
| 8) Amyl Acetate | 10.634 | 43 | 1511213 | 277.60 | ug/L | | 99 |

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

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7775.D
Acq On : 23 Jan 2023 1:40 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 23 14:02:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 13:35:12 2023
Response via : Initial Calibration



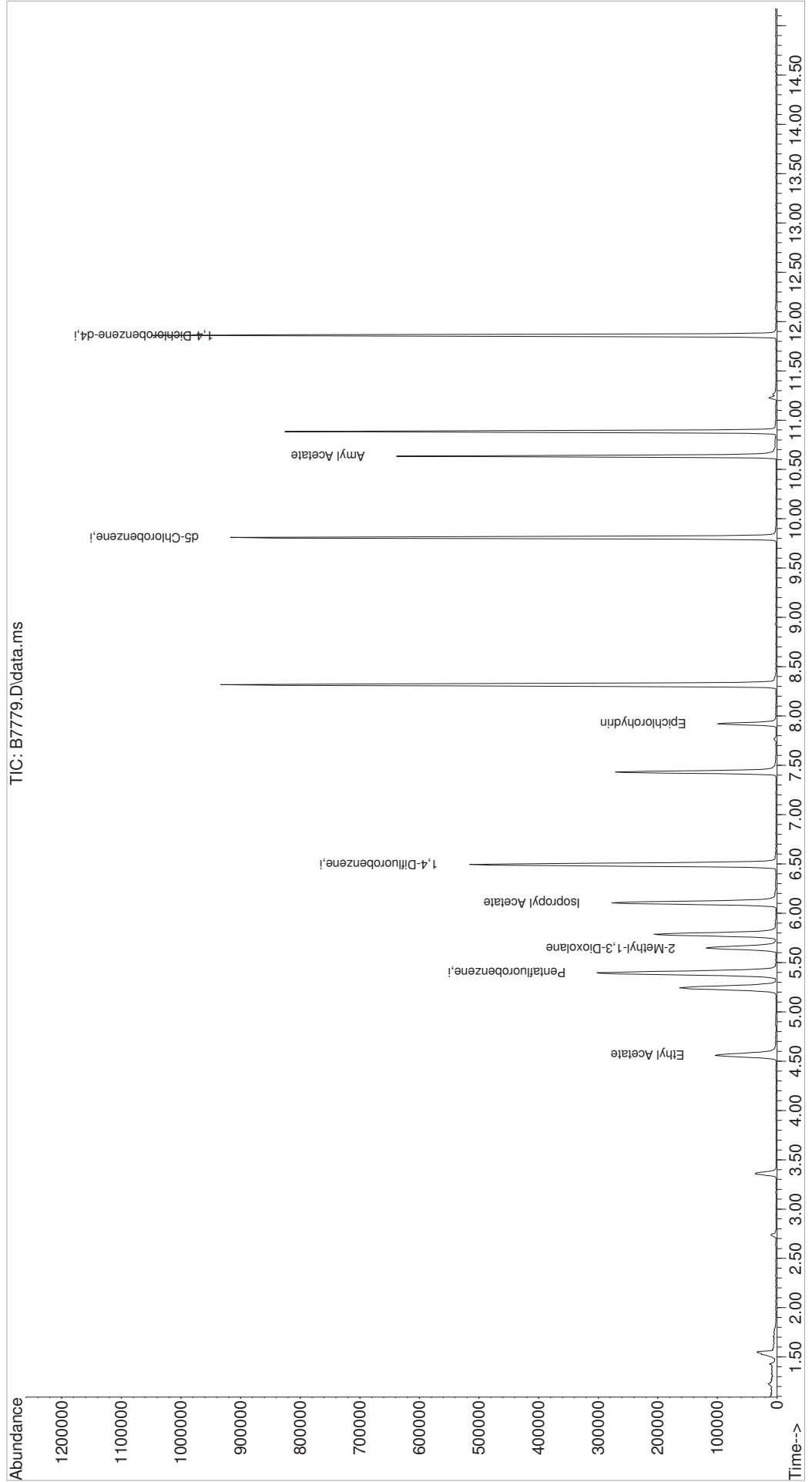
Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7779.D
 Acq On : 23 Jan 2023 3:07 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 23 15:35:27 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Mon Jan 23 14:02:42 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|---------------------------|--------|------|----------|--------|-------|-----------|--------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 292080 | 50.00 | ug/L | 0.00 | |
| 3) 1,4-Difluorobenzene | 6.494 | 114 | 451743 | 50.00 | ug/L | 0.00 | |
| 7) d5-Chlorobenzene | 9.811 | 117 | 399443 | 50.00 | ug/L | 0.00 | |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 199565 | 50.00 | ug/L | 0.00 | |
| Target Compounds | | | | | | | |
| 2) Ethyl Acetate | 4.562 | 43 | 180646 | 48.03 | ug/L | 97 | 96.1% |
| 4) 2-Methyl-1,3-Dioxolane | 5.647 | 73 | 101339 | 244.05 | ug/L | 97 | 97.6% |
| 5) Isopropyl Acetate | 6.104 | 43 | 350237 | 53.66 | ug/L | 99 | 107.3% |
| 6) Epichlorohydrin | 7.921 | 57 | 71239 | 259.56 | ug/L | 96 | 103.8% |
| 8) Amyl Acetate | 10.634 | 43 | 294139 | 54.27 | ug/L | 98 | 108.5% |

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

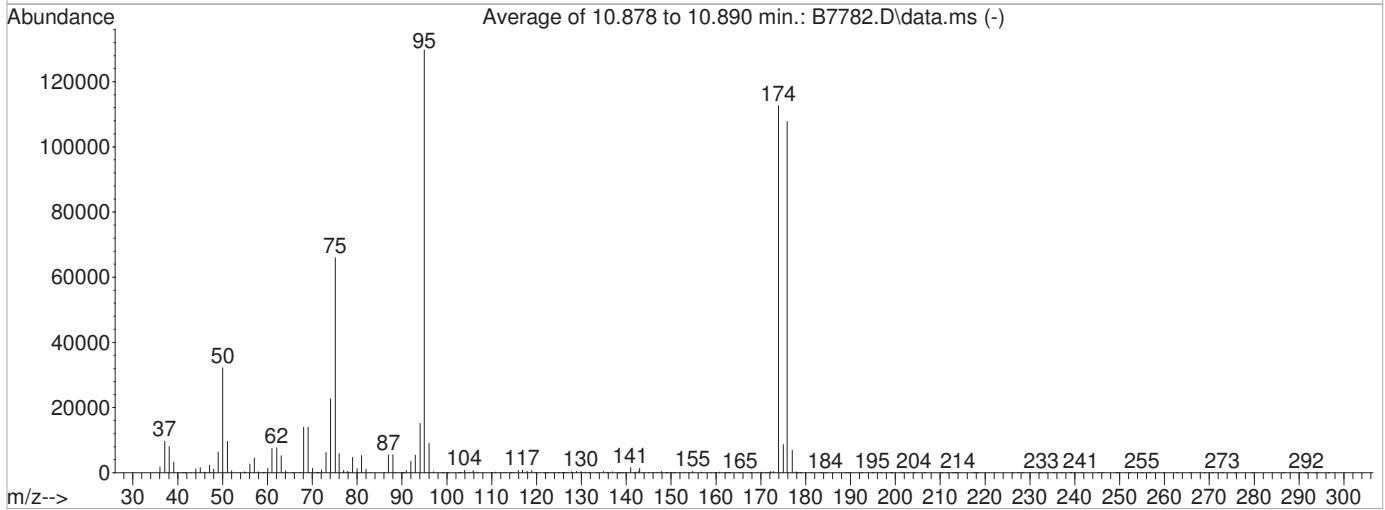
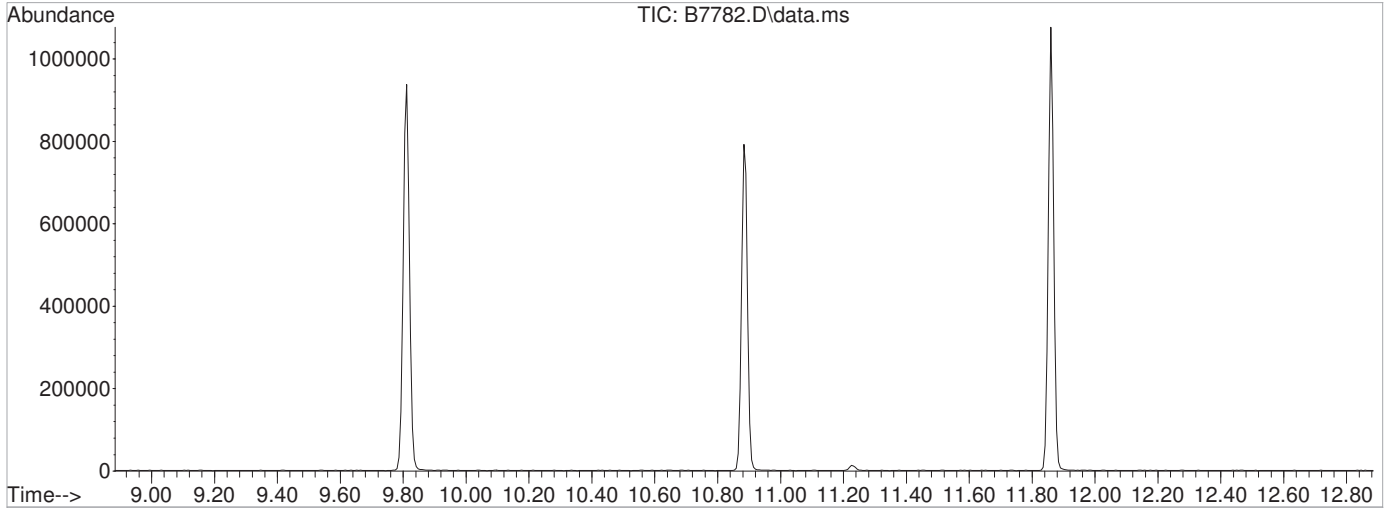
Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7779.D
Acq On : 23 Jan 2023 3:07 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1
Inst : MSVOA10
Quant Time: Jan 23 15:35:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 14:02:42 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7782.D
Acq On : 23 Jan 2023 4:15 pm
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Dec 21 12:39:04 2022



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1600

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 24.8 | 32213 | PASS |
| 75 | 95 | 30 | 60 | 50.8 | 65944 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 129717 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 9059 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 439 | PASS |
| 174 | 95 | 50 | 120 | 86.8 | 112611 | PASS |
| 175 | 174 | 5 | 9 | 7.7 | 8657 | PASS |
| 176 | 174 | 95 | 101 | 95.8 | 107829 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 6848 | PASS |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7783.D
 Acq On : 23 Jan 2023 4:48 pm
 Operator : F.NAEGLER
 Sample : ICALBLK Inst : MSVOA10
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 24 09:56:03 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

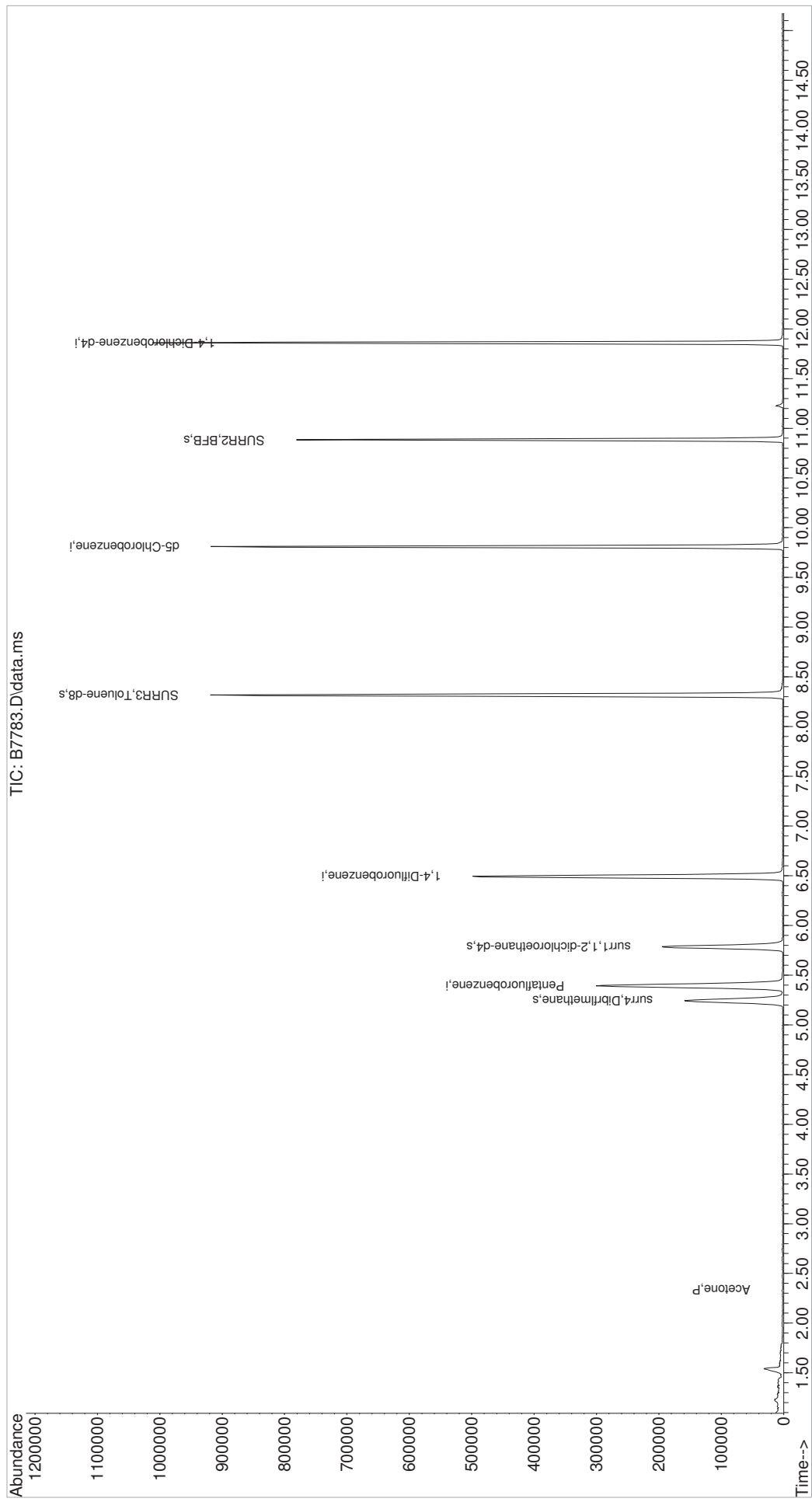
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 290857 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 438906 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 398595 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 195774 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 134971 | 47.50 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 95.00% | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 162217 | 49.12 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 98.24% | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 536661 | 48.55 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 97.10% | |
| 70) SURR2,BFB | 10.884 | 95 | 182883 | 46.86 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 93.72% | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.696 | 64 | 689 | Below Cal | Qvalue # | 50 |
| 16) Acetone | 2.337 | 43 | 965 | 0.69 ug/L | | 75 |

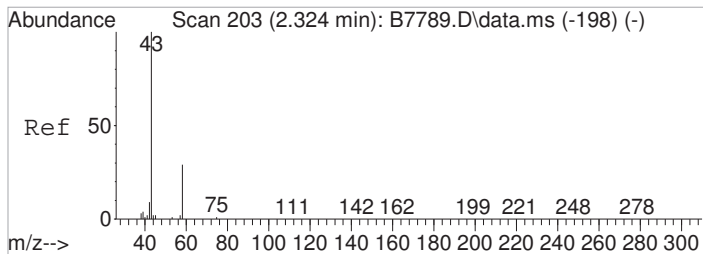
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQDATA\msvoa10\data\012323\
Data File : B7783.D
Acq On : 23 Jan 2023 4:48 pm
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA10

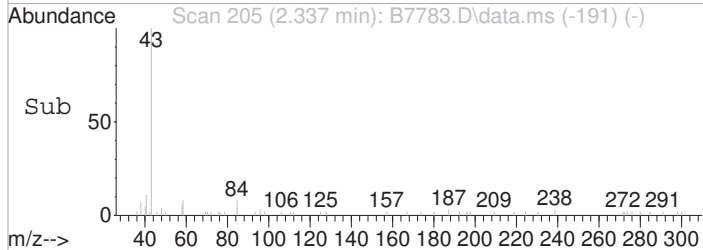
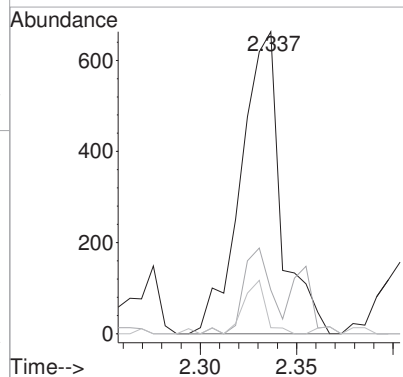
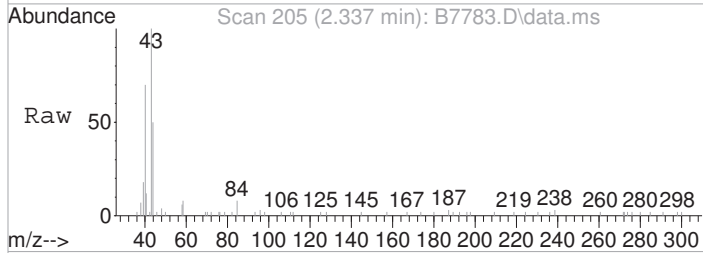
Quant Time: Jan 24 09:56:03 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





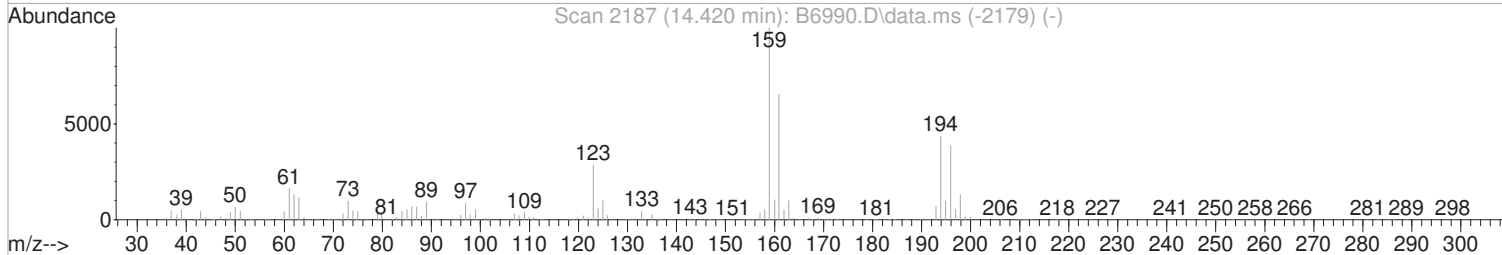
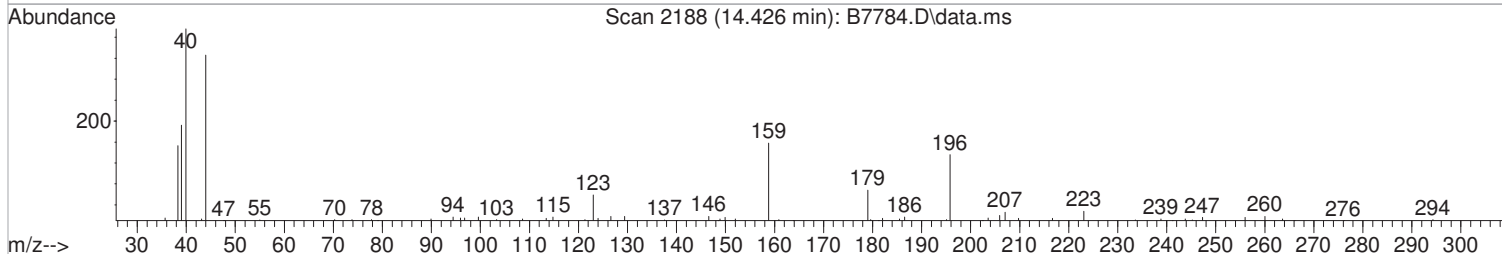
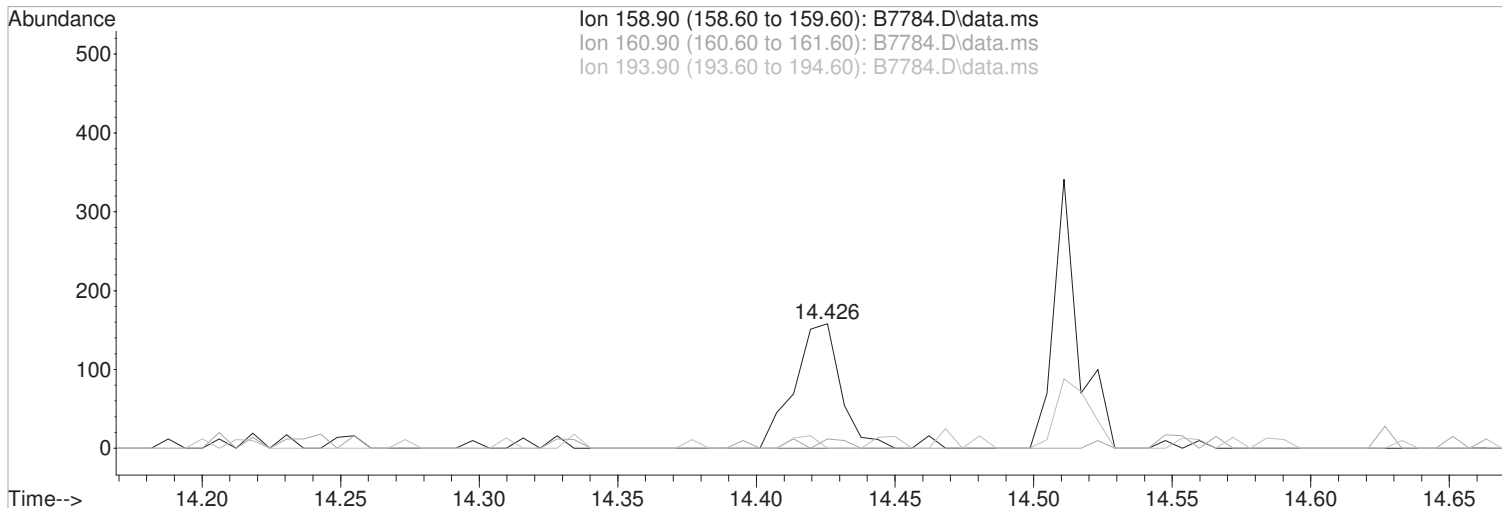
#16
 Acetone
 Concen: 0.69 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. 0.012 min
 Lab File: B7783.D
 Acq: 23 Jan 2023 4:48 pm

| Tgt Ion | 43 | Resp | 965 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 43 | 100 | | |
| 58 | 14.5 | 8.5 | 48.5 |
| 42 | 2.0 | 0.0 | 29.6 |



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(119) 2,4,5-Trichlorotoluene
14.426min (+0.007) 0.12 ug/L m
response 184

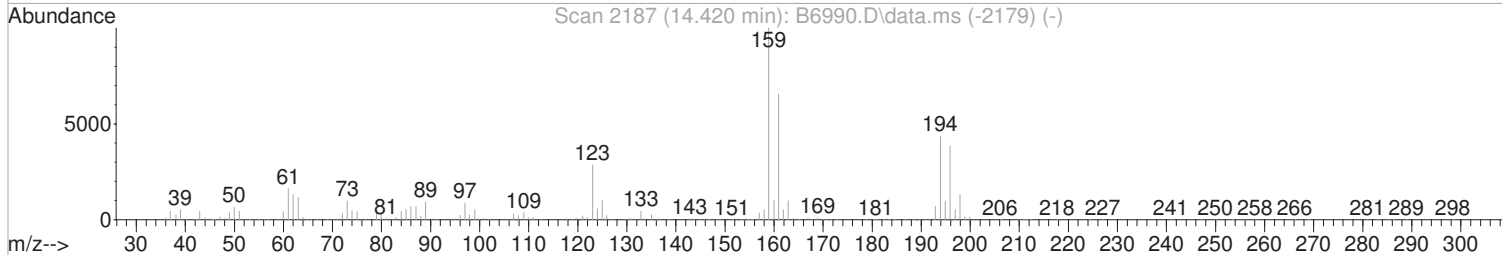
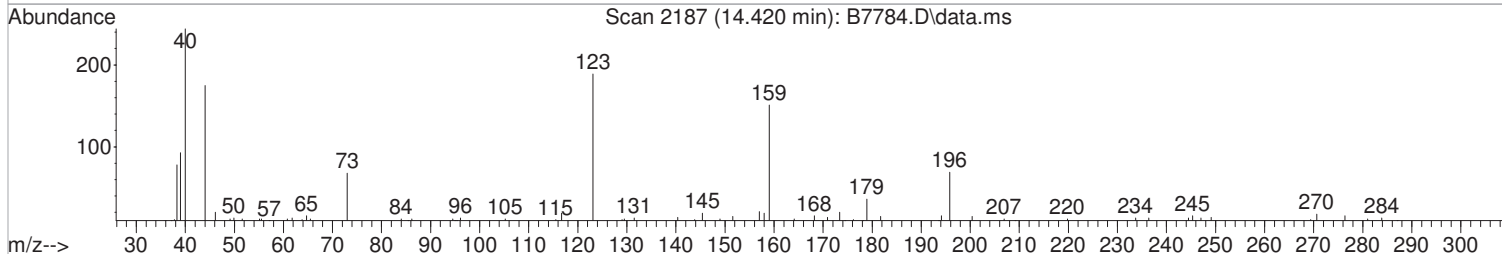
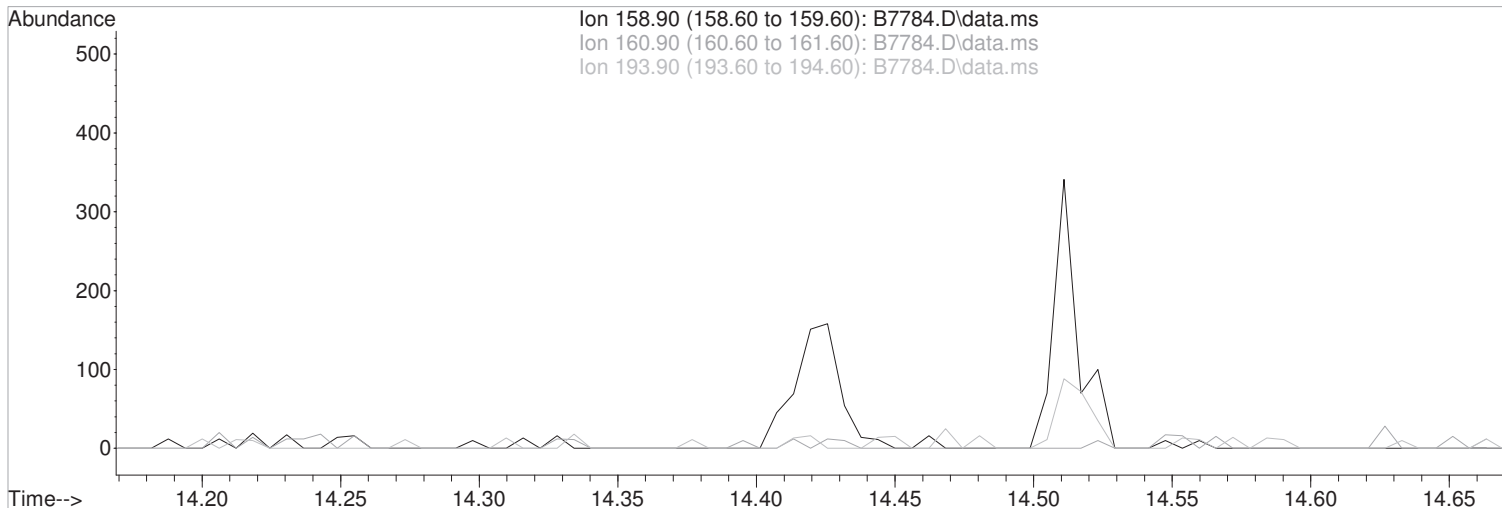
Manual Integration:
After
Peak not found.

| Ion | Exp% | Act% |
|--------|-------|-------|
| 158.90 | 100 | 100 |
| 160.90 | 65.40 | 7.59# |
| 193.90 | 43.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(119) 2,4,5-Trichlorotoluene
14.419min (-14.419) 0.00 ug/L
response 0

Manual Integration:
Before

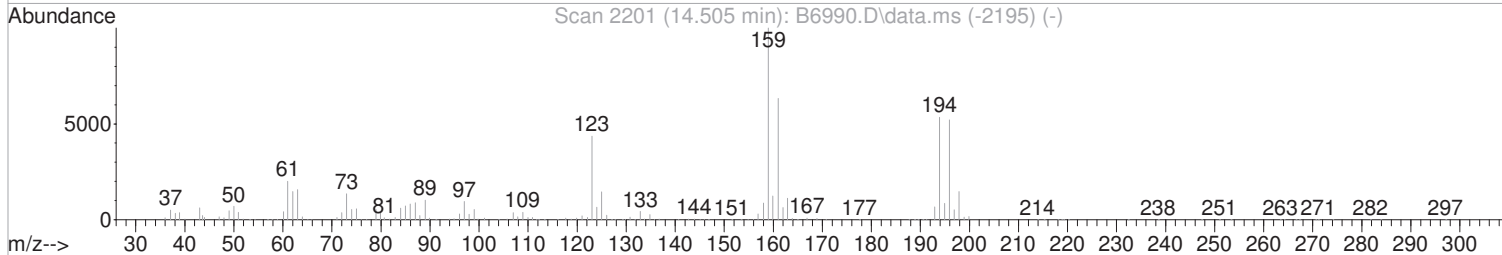
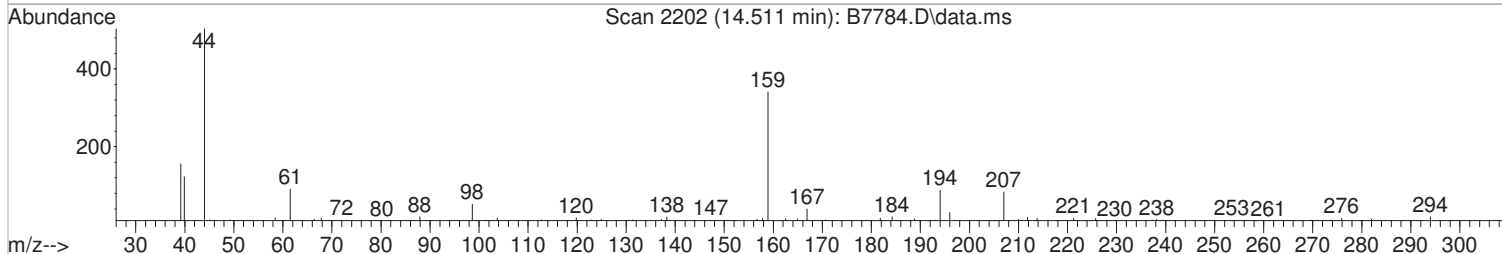
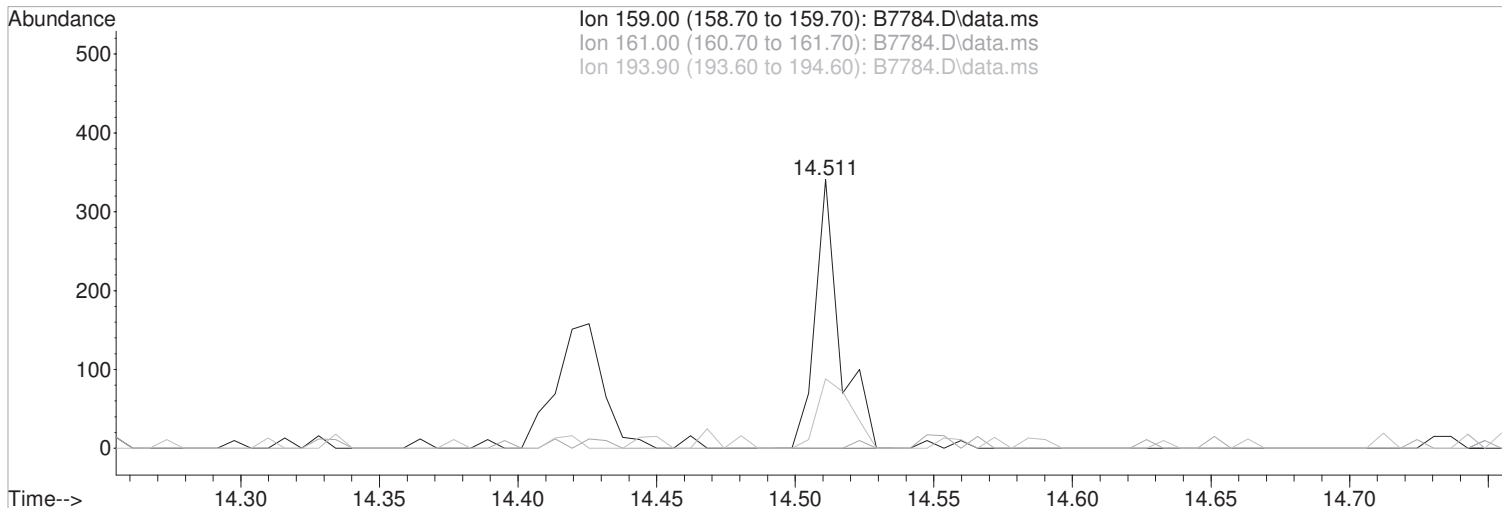
| Ion | Exp% | Act% |
|--------|-------|-------|
| 158.90 | 100 | 0.00 |
| 160.90 | 65.40 | 0.00# |
| 193.90 | 43.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.511min (+0.006) 0.15 ug/L m
response 213

| Ion | Exp% | Act% |
|--------|-------|--------|
| 159.00 | 100 | 100 |
| 161.00 | 63.20 | 0.00# |
| 193.90 | 53.50 | 25.81# |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

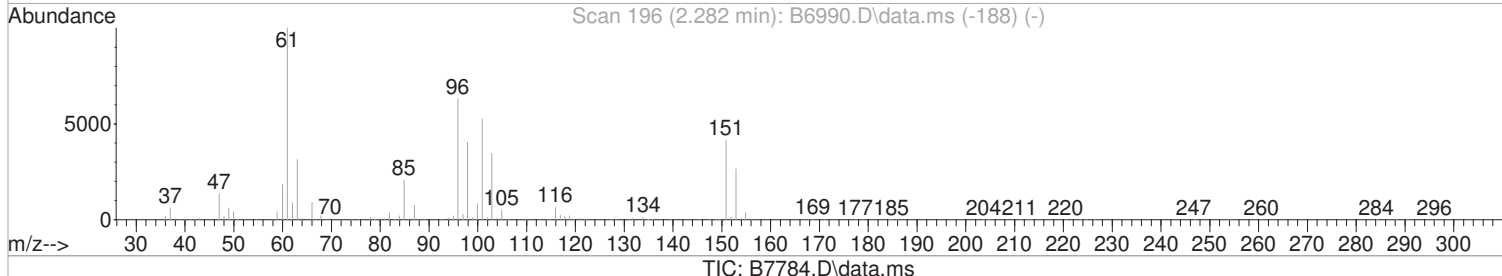
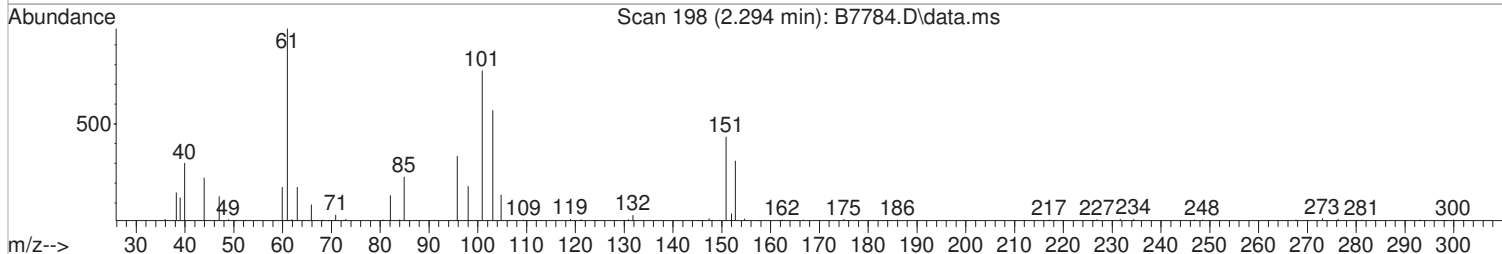
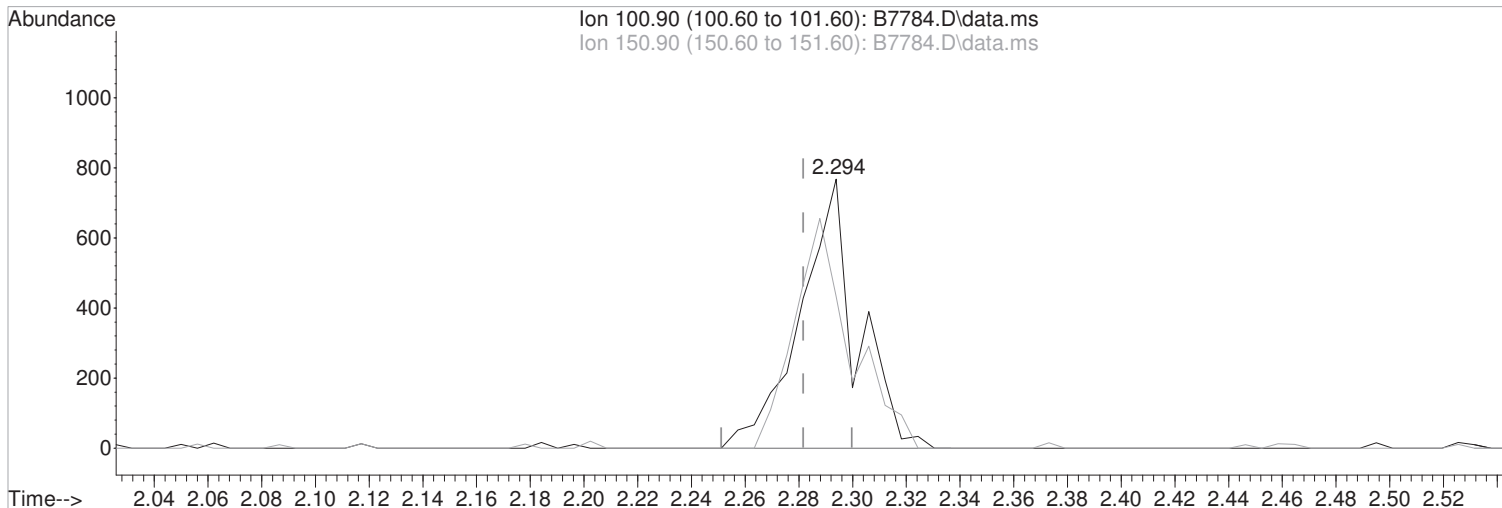
After

Peak not found.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7784.D
 Acq On : 23 Jan 2023 5:10 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:00:45 2023
 Response via : Initial Calibration



(15) Freon 113 (P)
 2.294min (+0.012) 0.47 ug/L m
 response 1125

Manual Integration:
 After
 Poor integration.

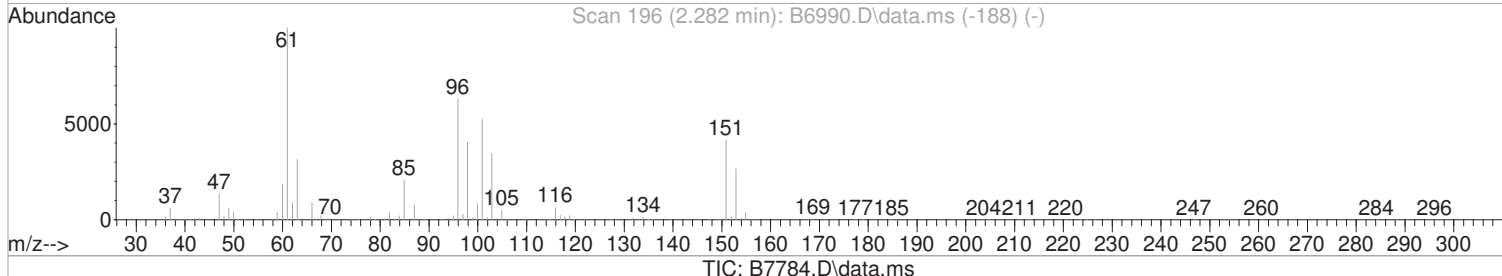
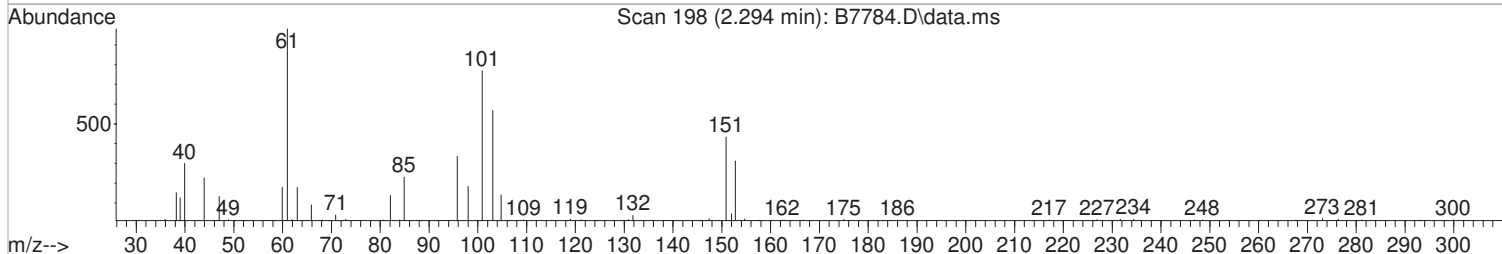
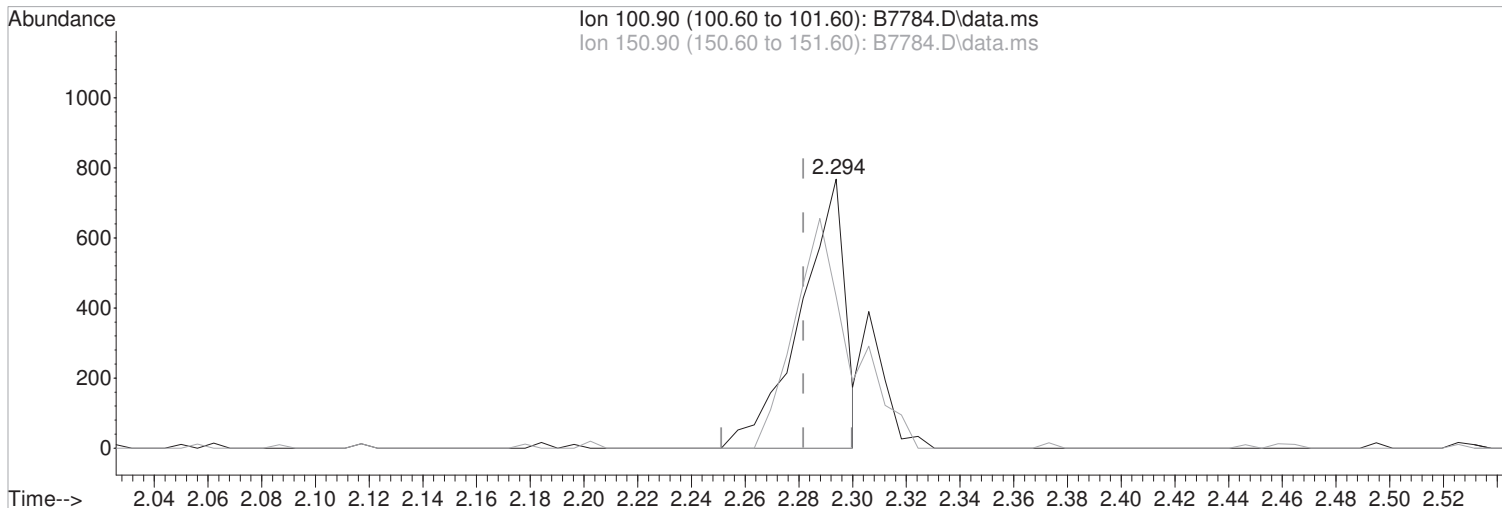
| Ion | Exp% | Act% |
|--------|-------|--------|
| 100.90 | 100 | 100 |
| 150.90 | 79.00 | 56.38# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(15) Freon 113 (P)
2.294min (+0.012) 0.37 ug/L
response 890

Manual Integration:
Before

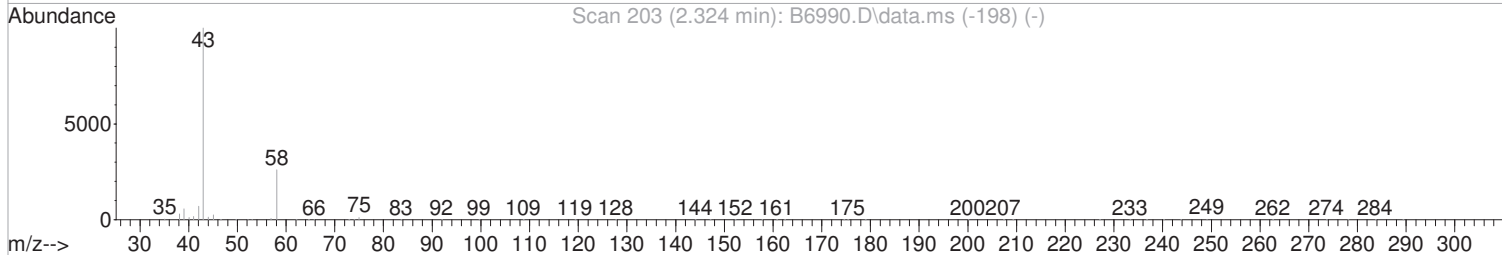
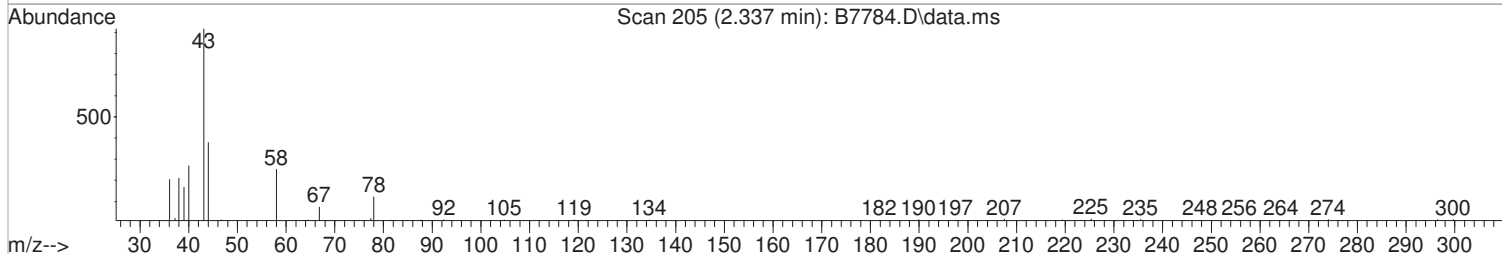
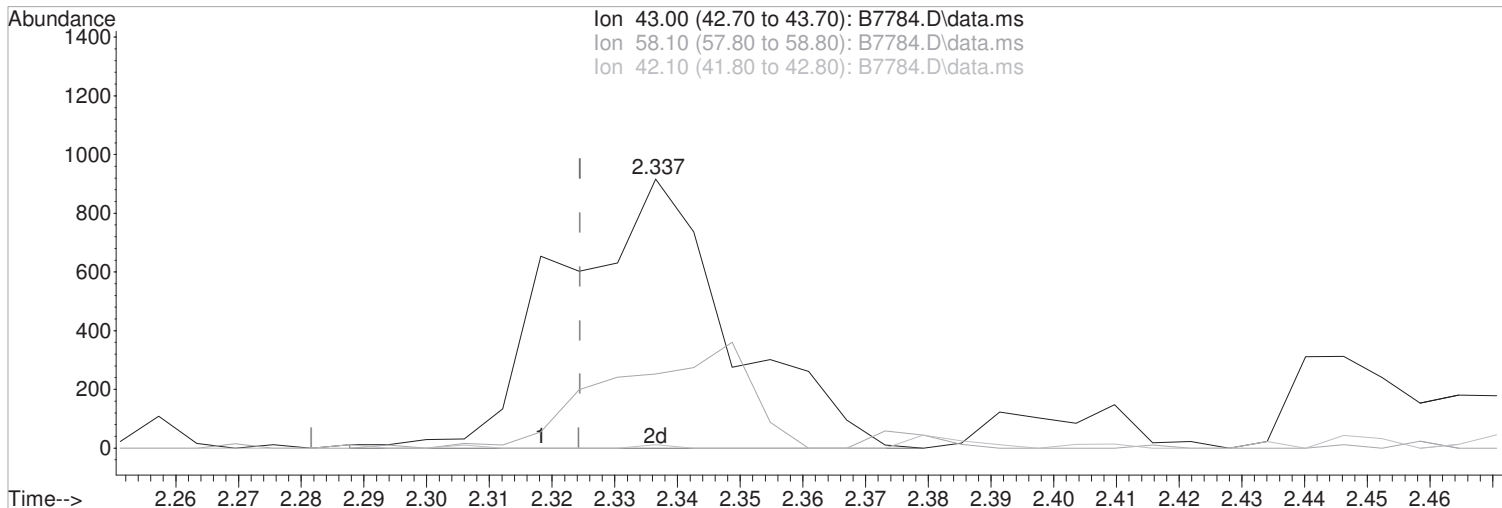
| Ion | Exp% | Act% |
|--------|-------|--------|
| 100.90 | 100 | 100 |
| 150.90 | 79.00 | 56.38# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(16) Acetone (P)
2.337min (+0.012) 1.37 ug/L m
response 1715

Manual Integration:
After
Poor integration.

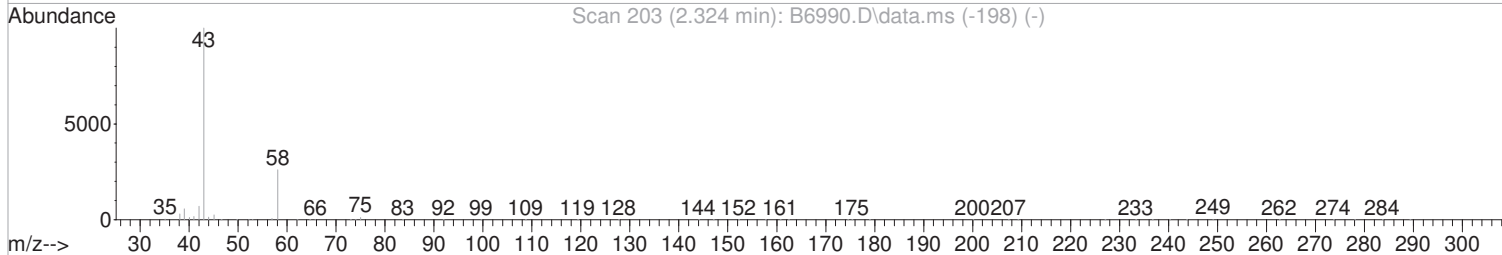
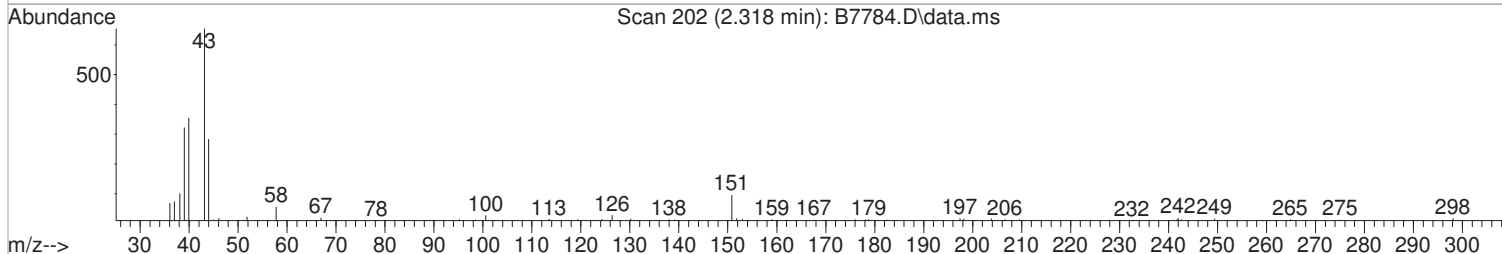
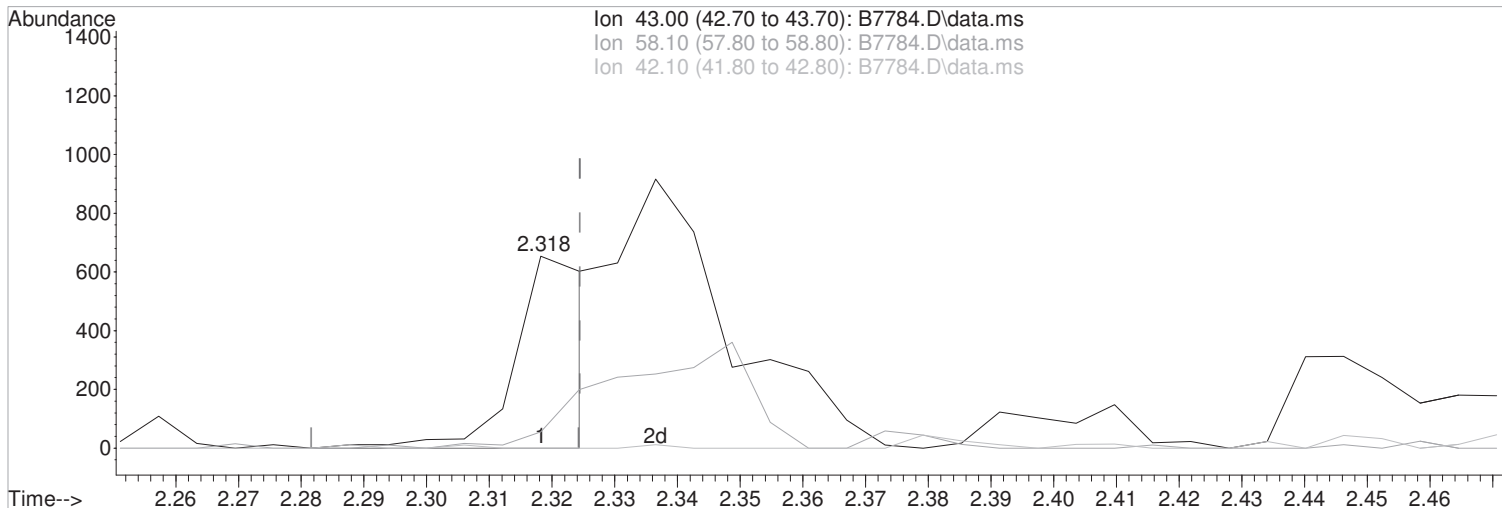
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 58.10 | 25.40 | 27.51 |
| 42.10 | 6.90 | 1.31 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(16) Acetone (P)
2.318min (-0.006) 0.43 ug/L
response 539

Manual Integration:
Before

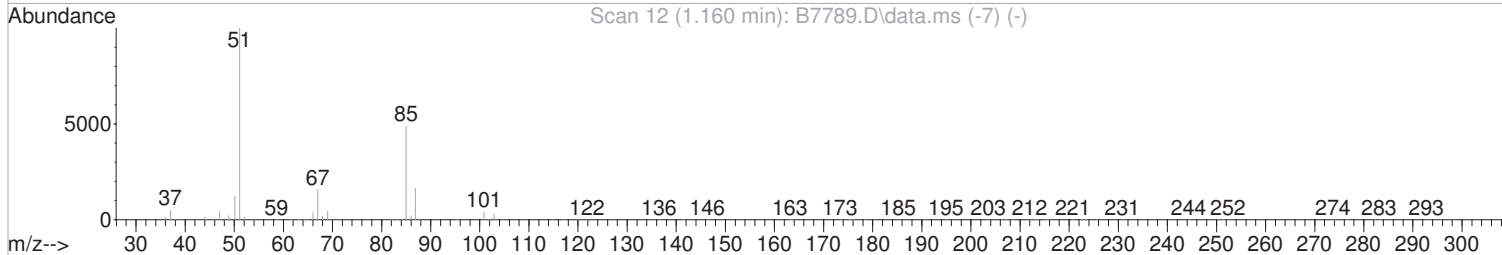
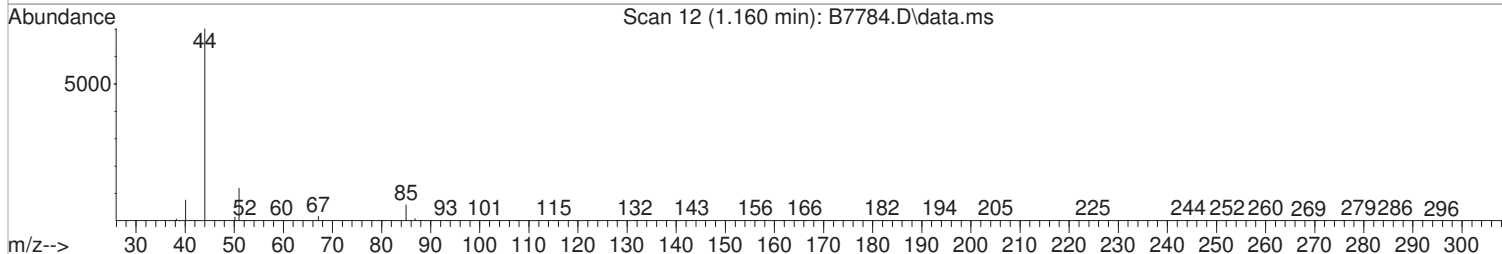
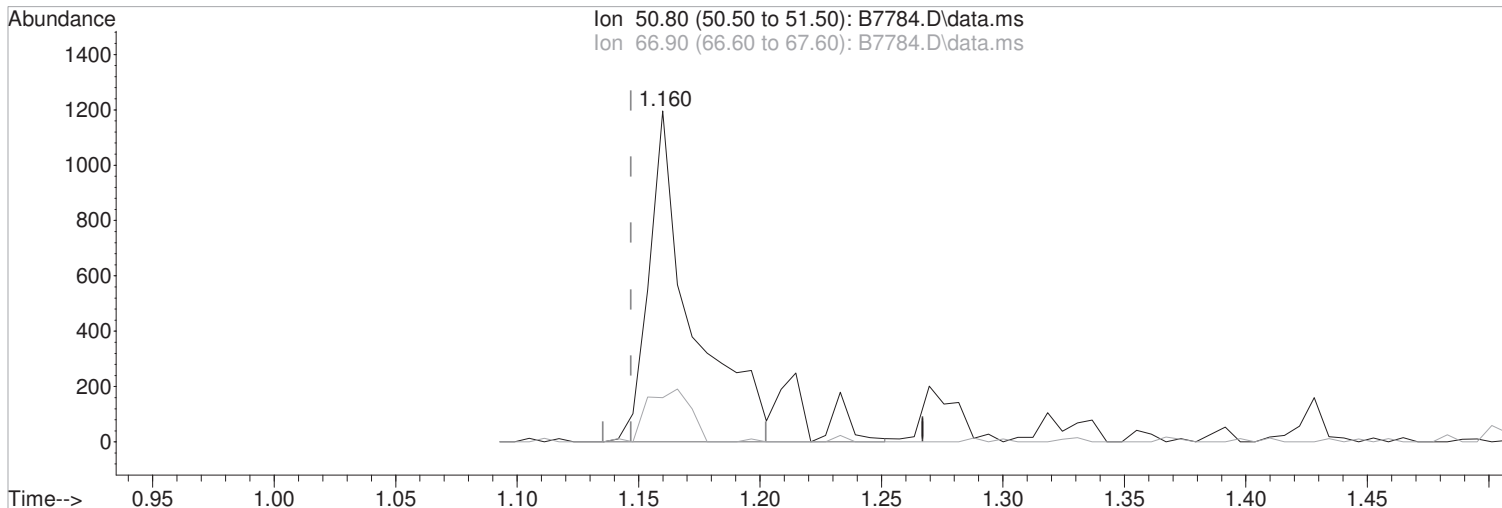
| Ion | Exp% | Act% |
|-------|-------|------|
| 43.00 | 100 | 100 |
| 58.10 | 25.40 | 8.41 |
| 42.10 | 6.90 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:08:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(2) Chlorodifluoromethane
1.160min (+0.013) 0.44 ug/L m
response 1716

Manual Integration:
After
Poor integration.

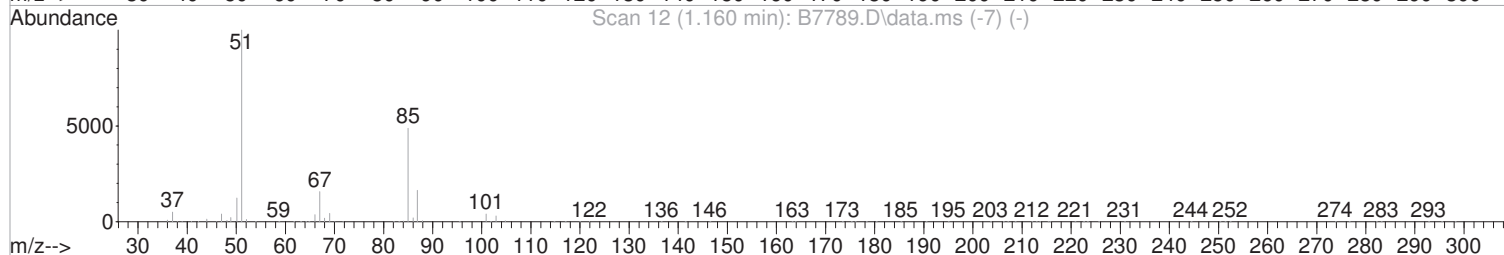
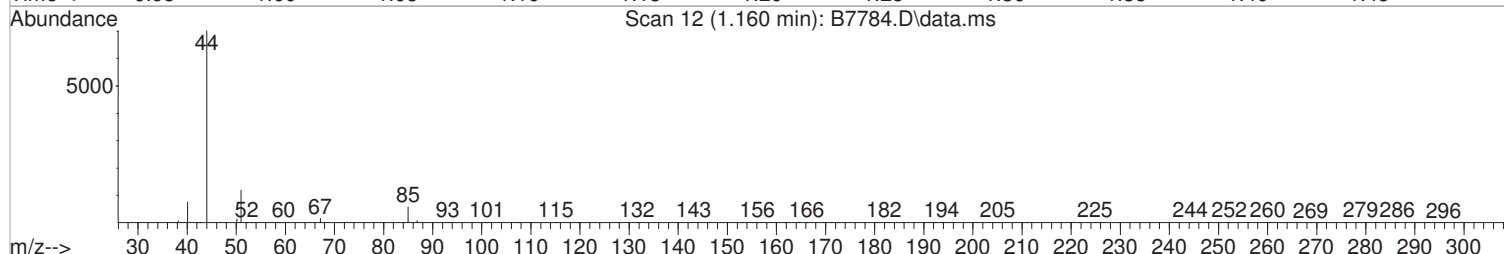
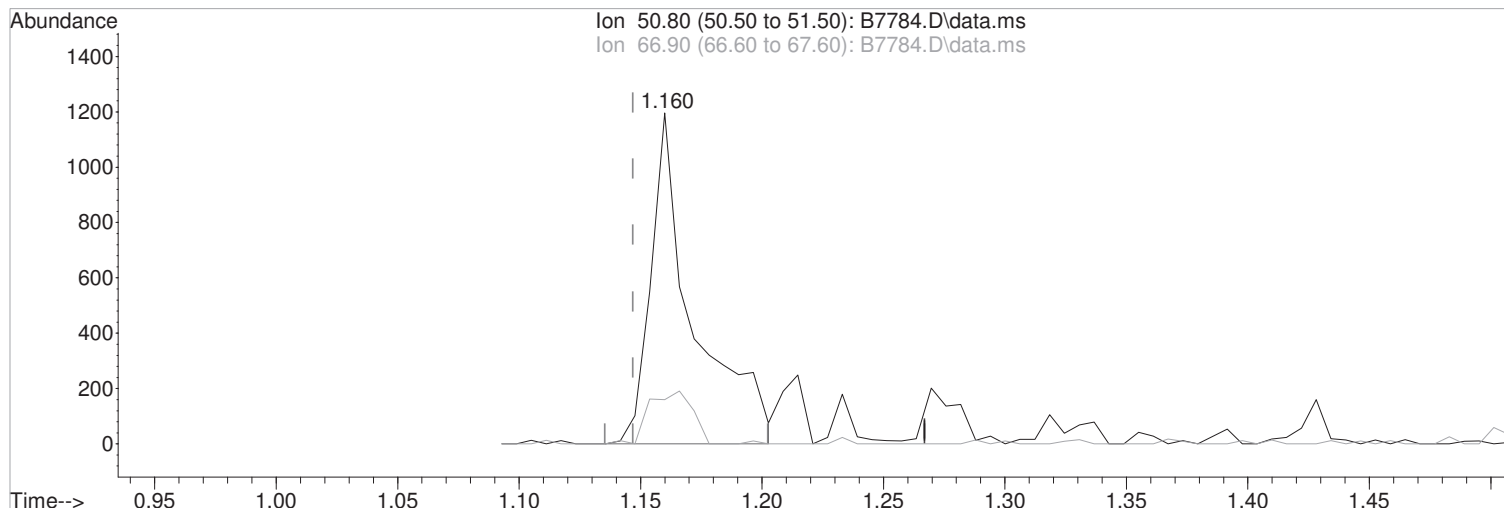
| Ion | Exp% | Act% |
|-------|-------|-------|
| 50.80 | 100 | 100 |
| 66.90 | 12.90 | 13.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:08:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(2) Chlorodifluoromethane
1.160min (+0.013) 0.37 ug/L
response 1461

Manual Integration:
Before

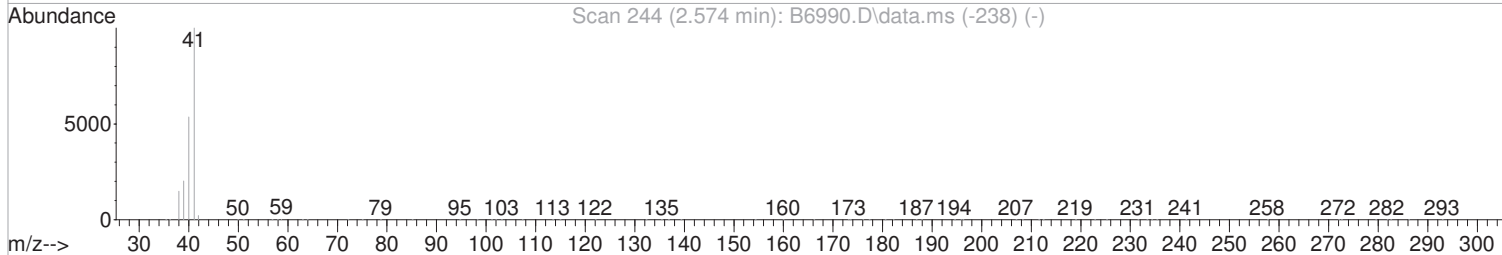
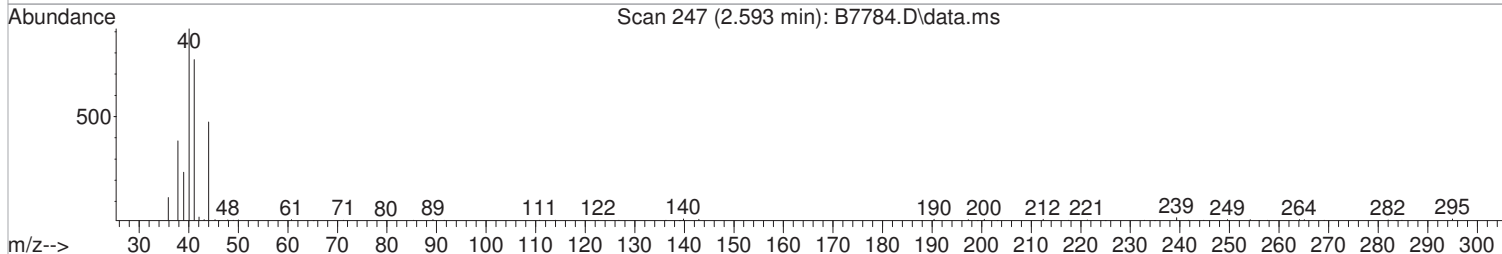
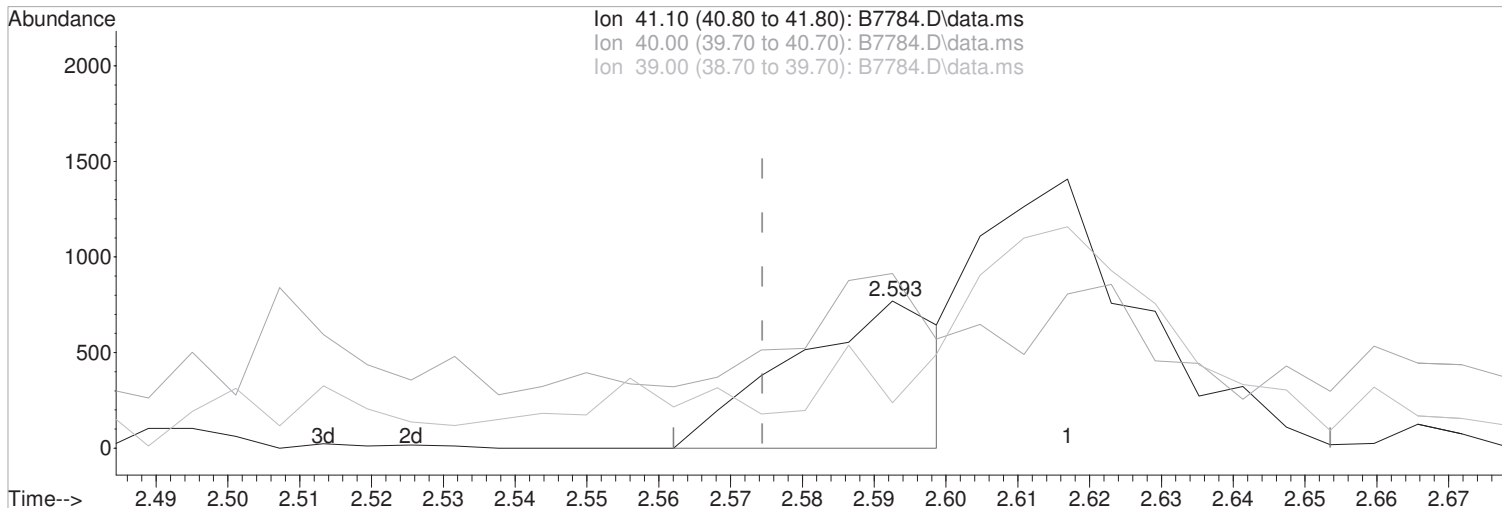
| Ion | Exp% | Act% |
|-------|-------|-------|
| 50.80 | 100 | 100 |
| 66.90 | 12.90 | 13.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(20) Acetonitrile
2.593min (+0.018) 2.39 ug/L m
response 1120

Manual Integration:

After

Poor integration.

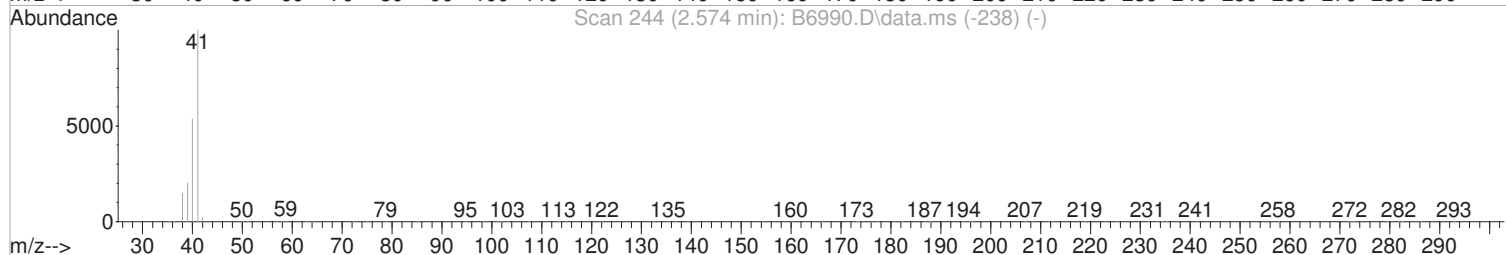
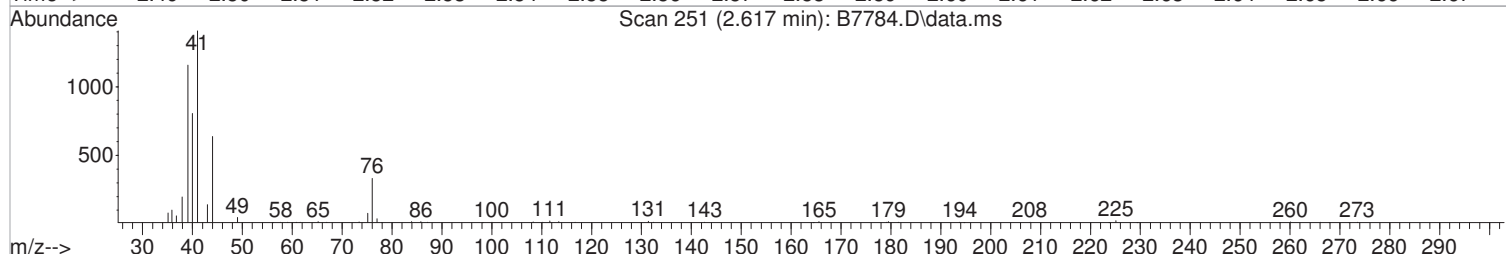
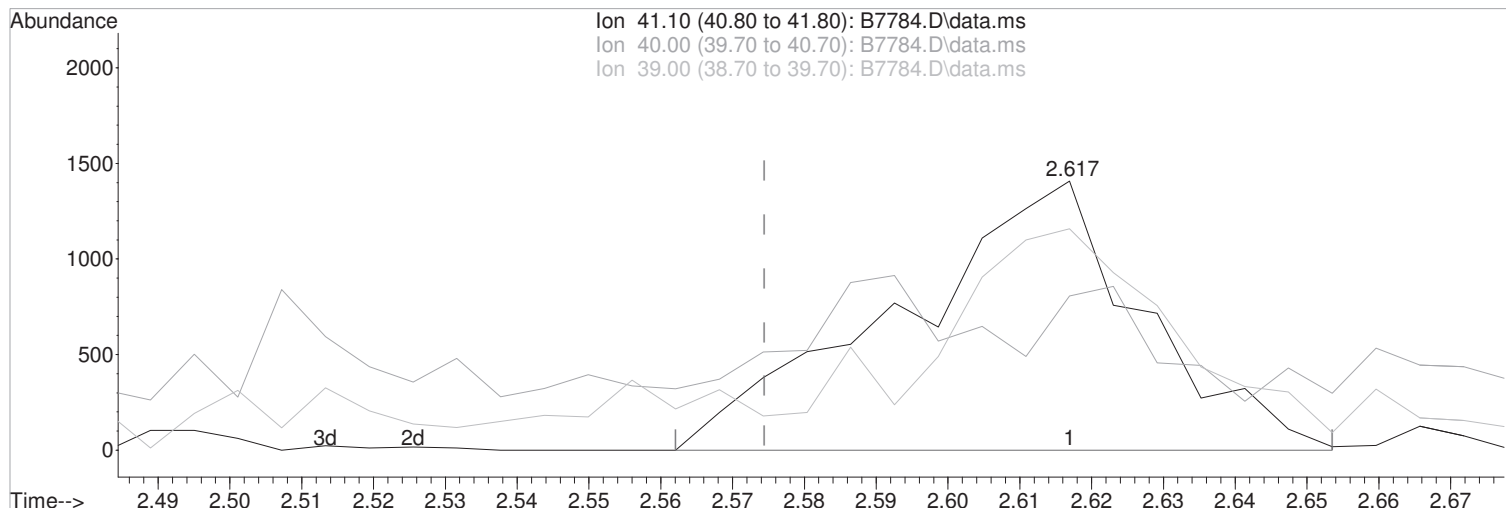
01/24/23

| Ion | Exp% | Act% |
|-------|-------|---------|
| 41.10 | 100 | 100 |
| 40.00 | 53.90 | 118.73# |
| 39.00 | 20.80 | 30.95 |
| 0.00 | 0.00 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

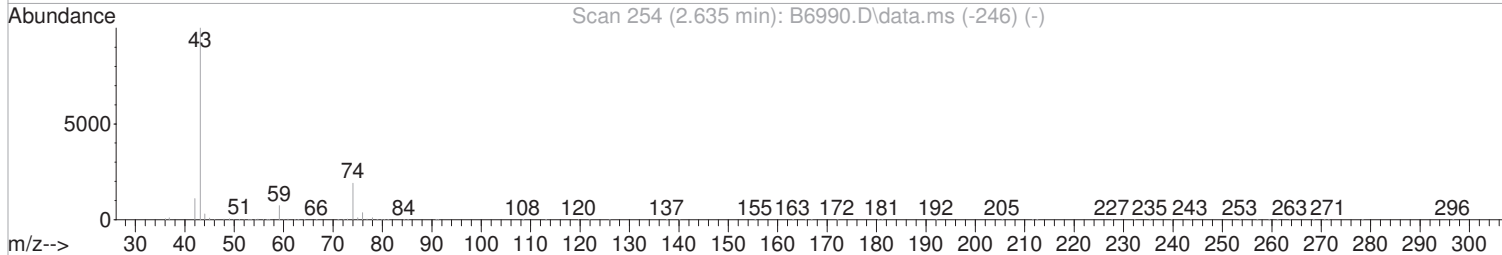
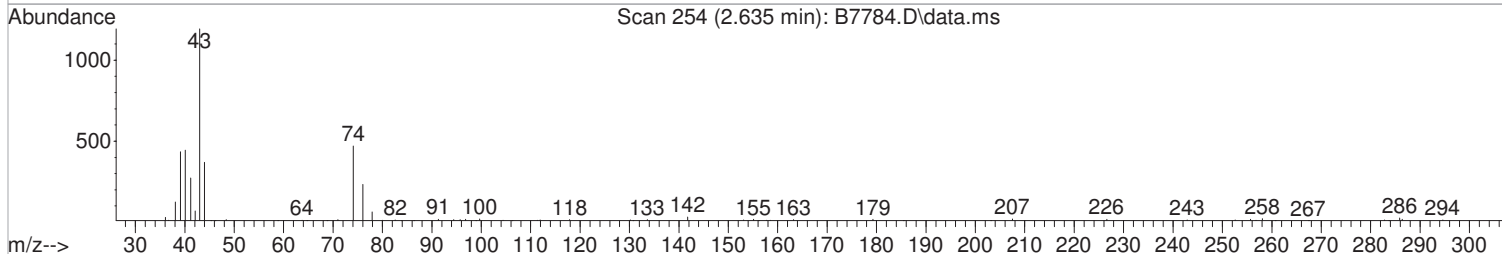
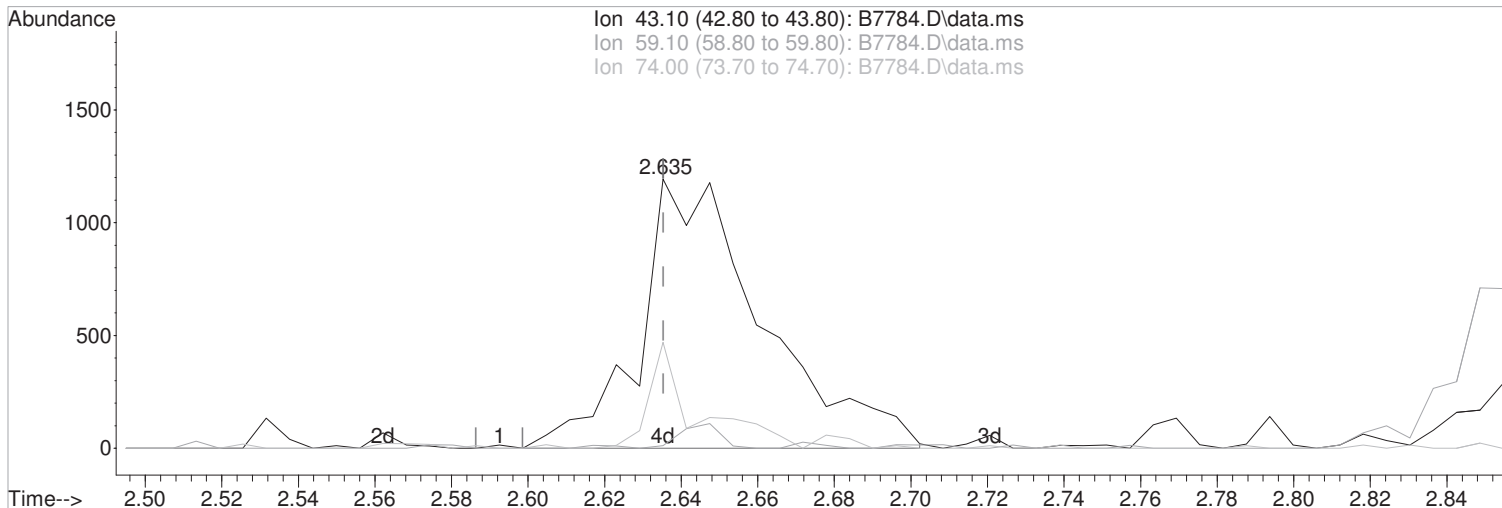
(20) Acetonitrile
2.617min (+0.042) 7.05 ug/L
response 3307
Ion Exp% Act%
41.10 100 100
40.00 53.90 57.29
39.00 20.80 82.30#
0.00 0.00 0.00

Manual Integration:
Before
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(22) Methyl Acetate (P)

2.635min (-0.000) 0.84 ug/L m

response 2666

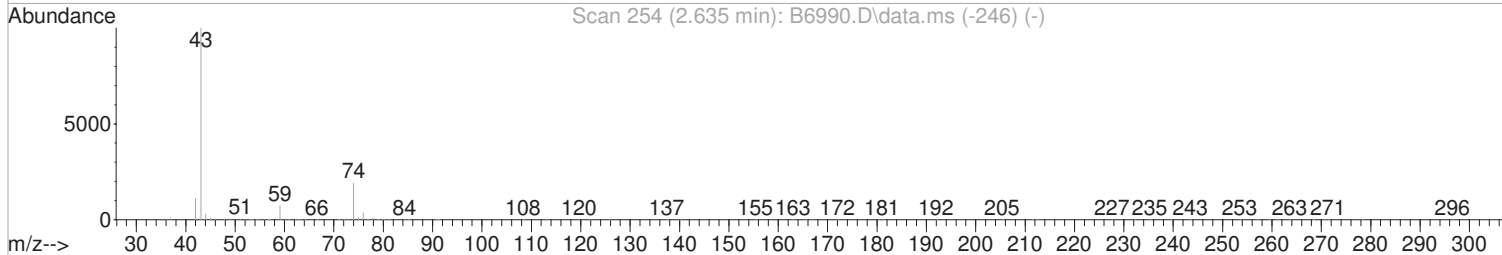
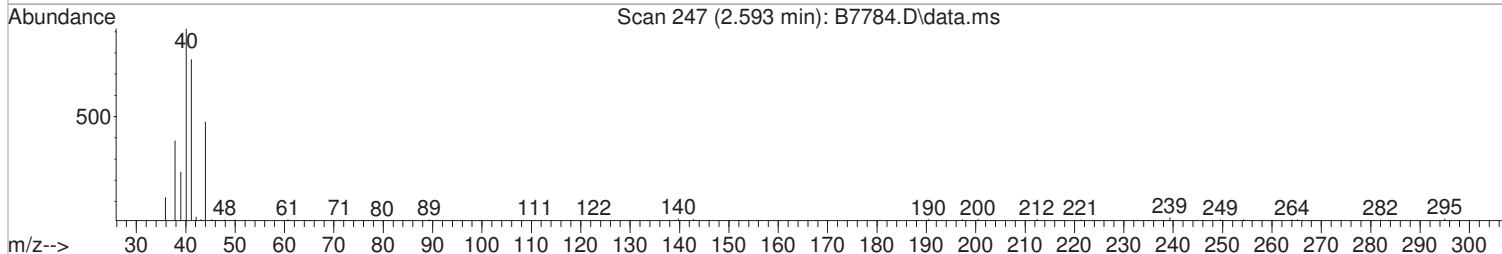
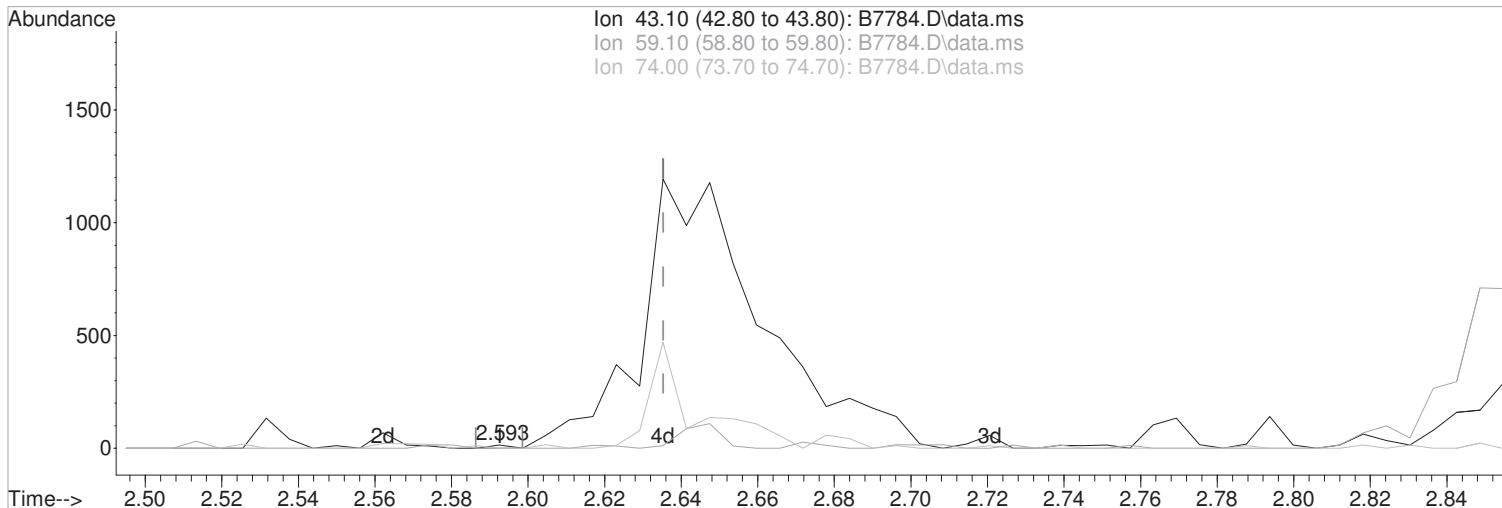
| Ion | Exp% | Act% |
|-------|-------|--------|
| 43.10 | 100 | 100 |
| 59.10 | 7.20 | 0.92 |
| 74.00 | 18.90 | 39.40# |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(22) Methyl Acetate (P)

2.593min (-0.043) 0.00 ug/L

response 5

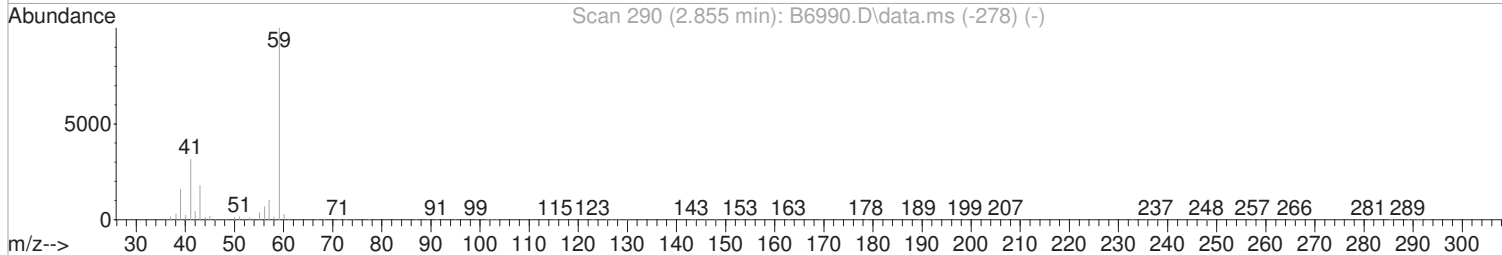
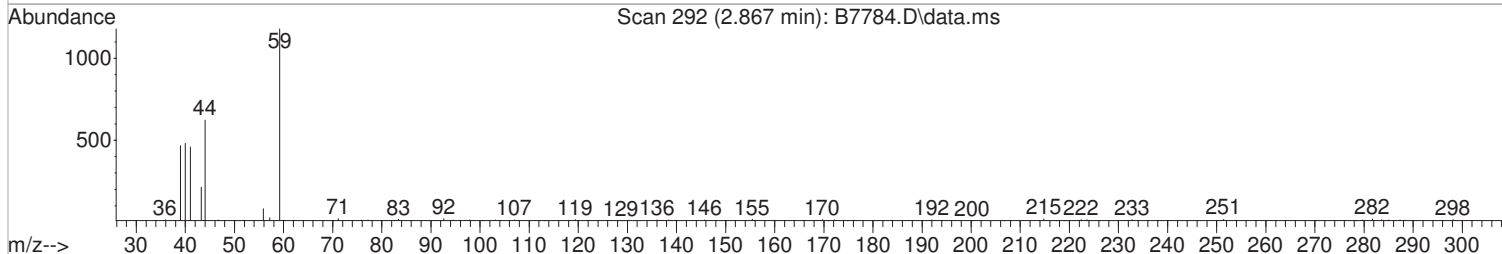
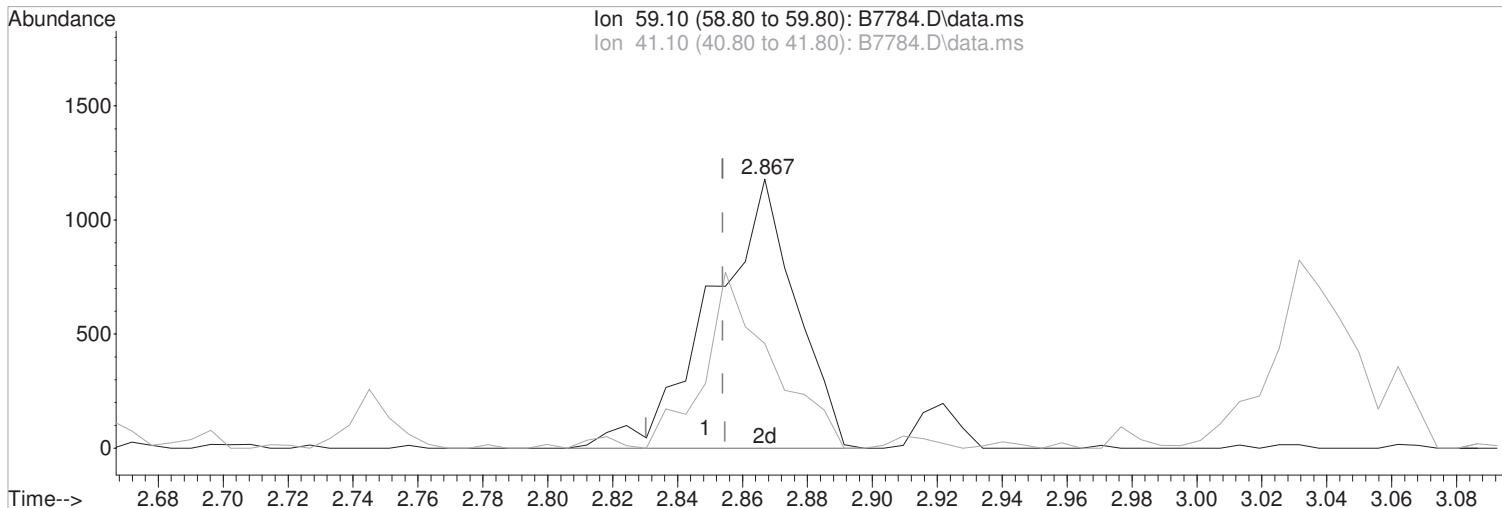
| Ion | Exp% | Act% |
|-------|-------|------|
| 43.10 | 100 | 100 |
| 59.10 | 7.20 | 0.00 |
| 74.00 | 18.90 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
Before
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(24) TBA
2.867min (+0.013) 7.49 ug/L m
response 2134

Manual Integration:
After
Poor integration.

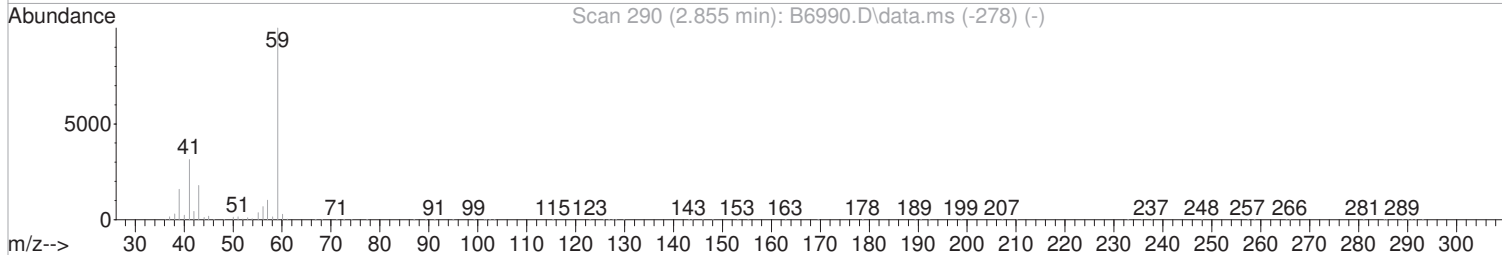
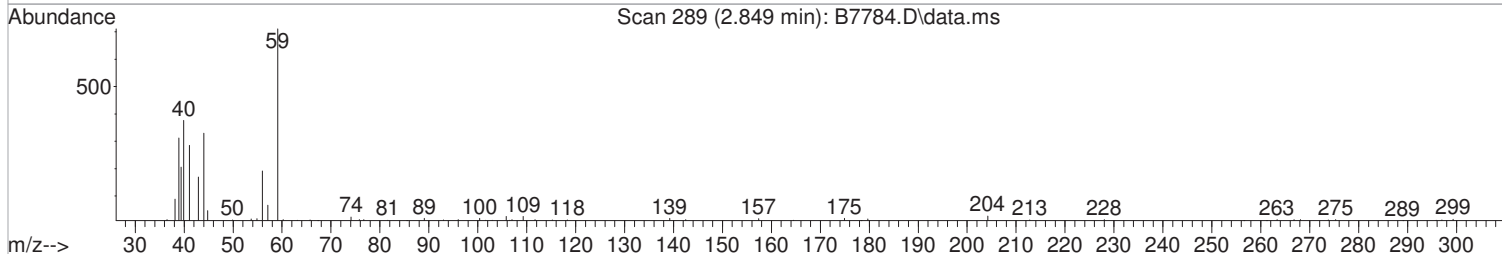
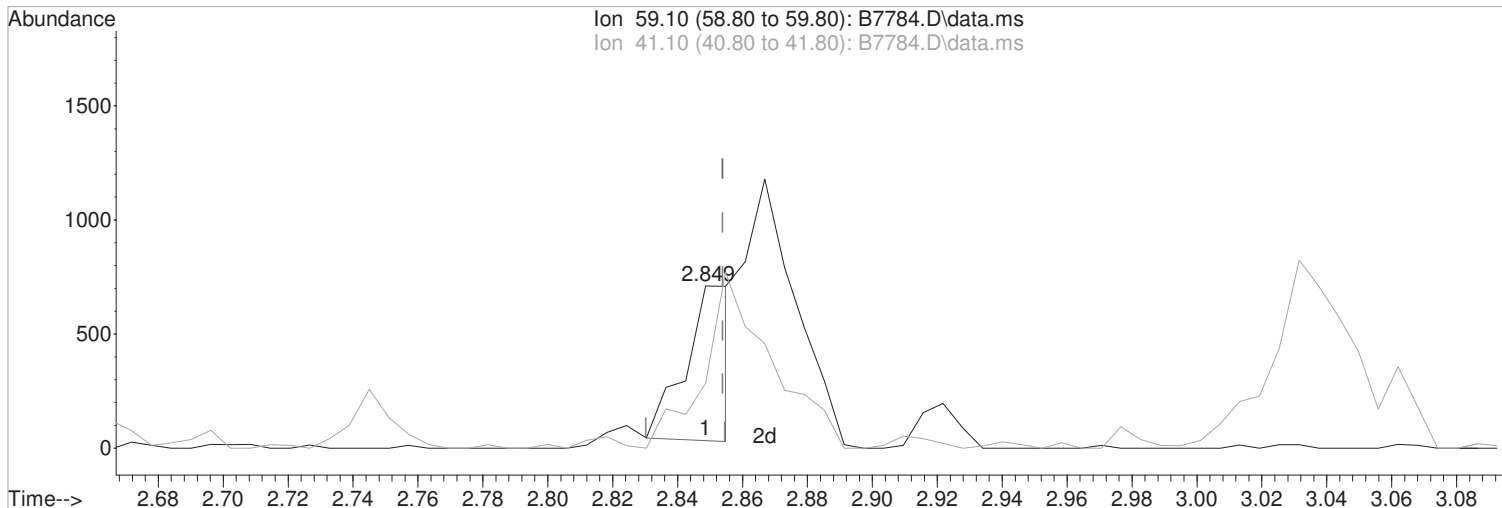
| Ion | Exp% | Act% |
|-------|-------|-------|
| 59.10 | 100 | 100 |
| 41.10 | 31.90 | 38.93 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(24) TBA
2.849min (-0.005) 2.35 ug/L
response 670

Manual Integration:
Before

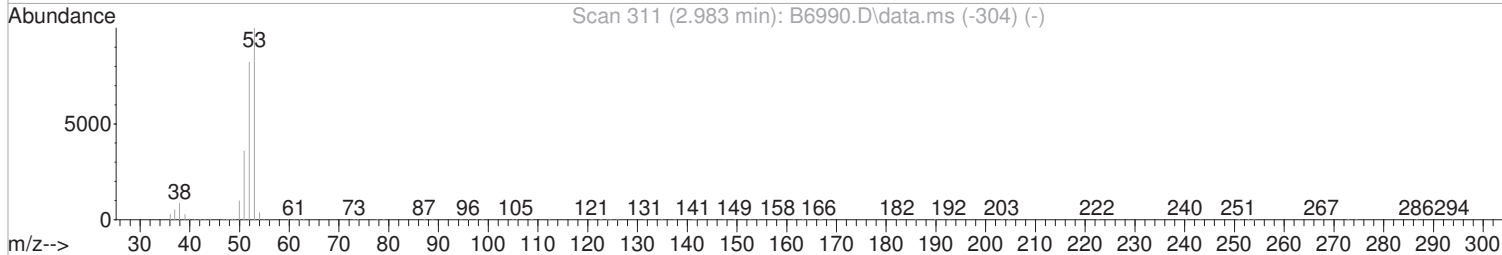
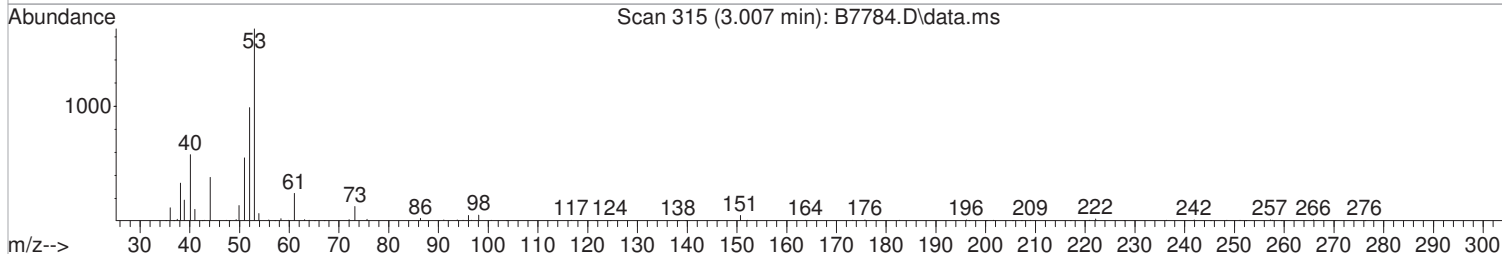
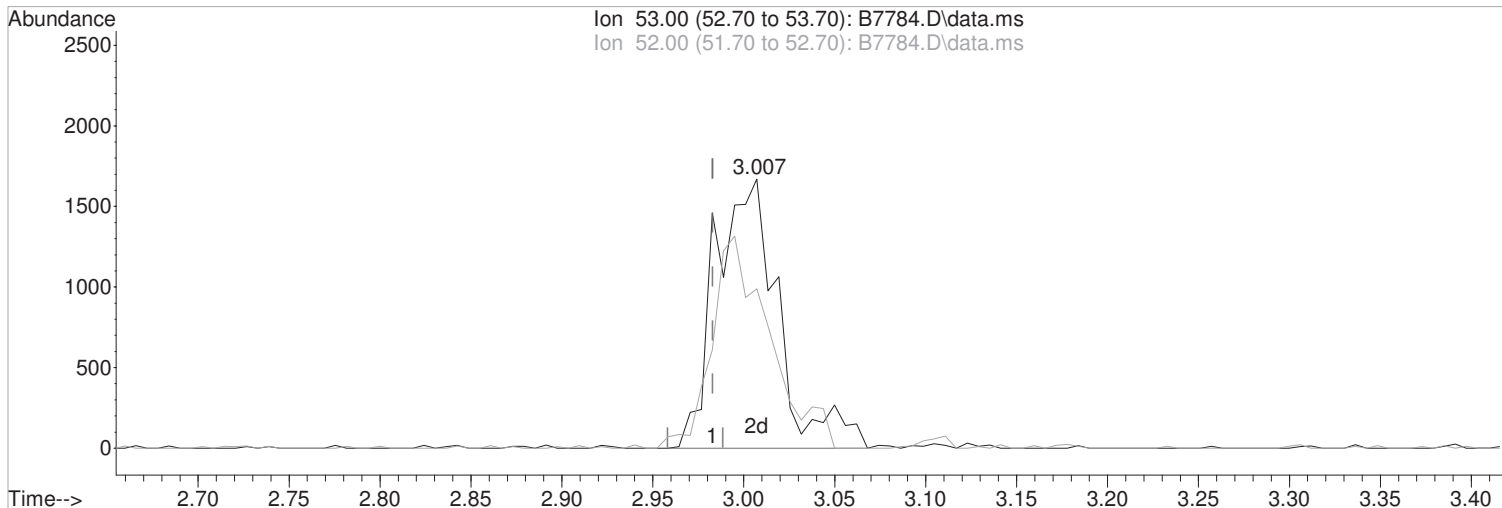
| Ion | Exp% | Act% |
|-------|-------|-------|
| 59.10 | 100 | 100 |
| 41.10 | 31.90 | 40.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(25) Acrylonitrile
3.007min (+0.024) 3.28 ug/L m
response 4007

Manual Integration:
After
Poor integration.

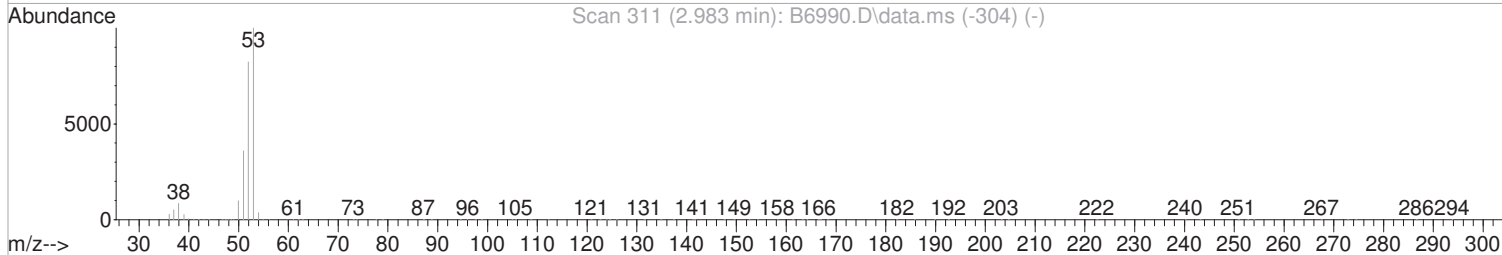
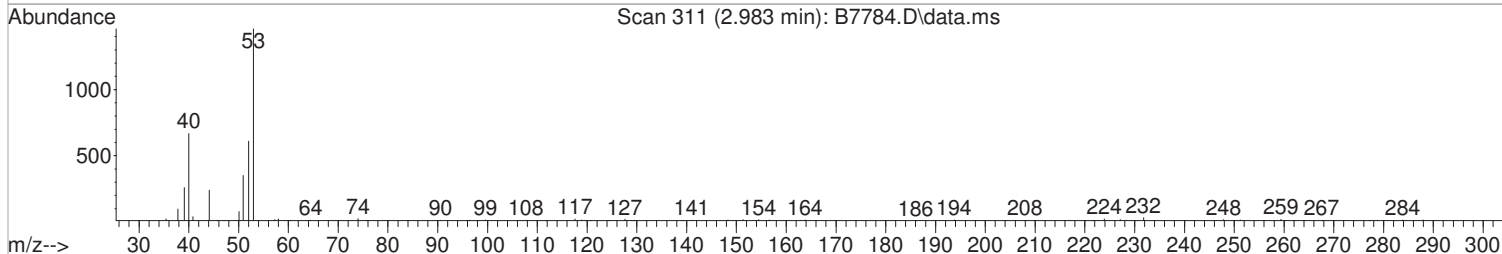
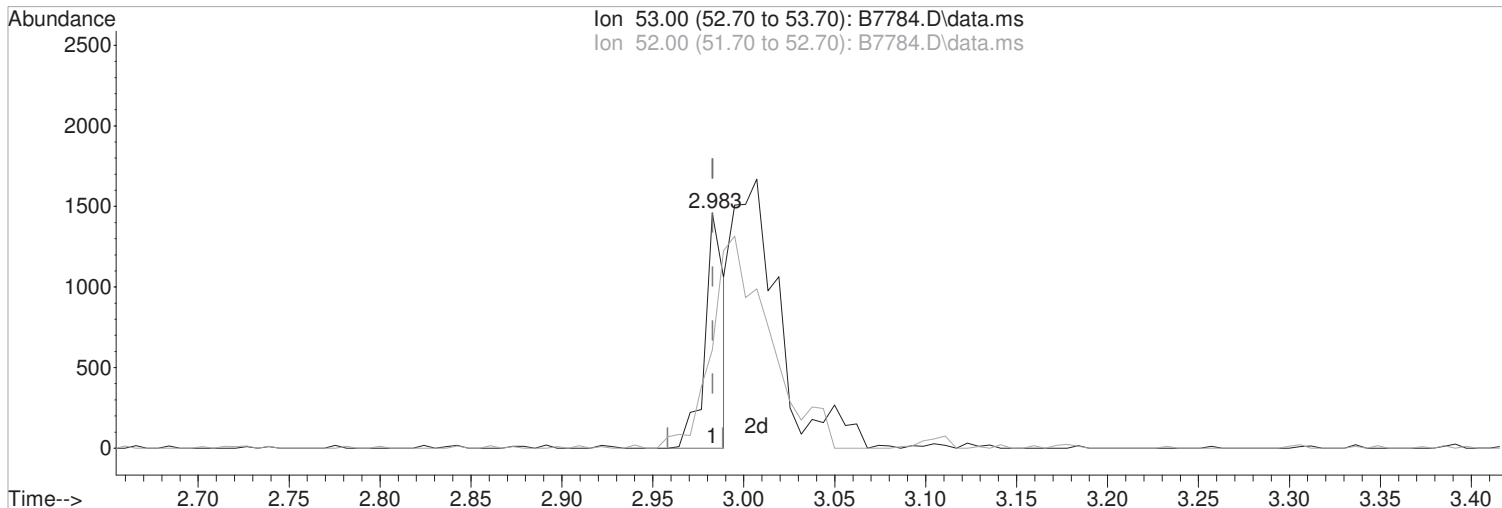
| Ion | Exp% | Act% |
|-------|-------|--------|
| 53.00 | 100 | 100 |
| 52.00 | 82.20 | 59.20# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(25) Acrylonitrile
2.983min (-0.000) 0.90 ug/L
response 1094

Manual Integration:
Before

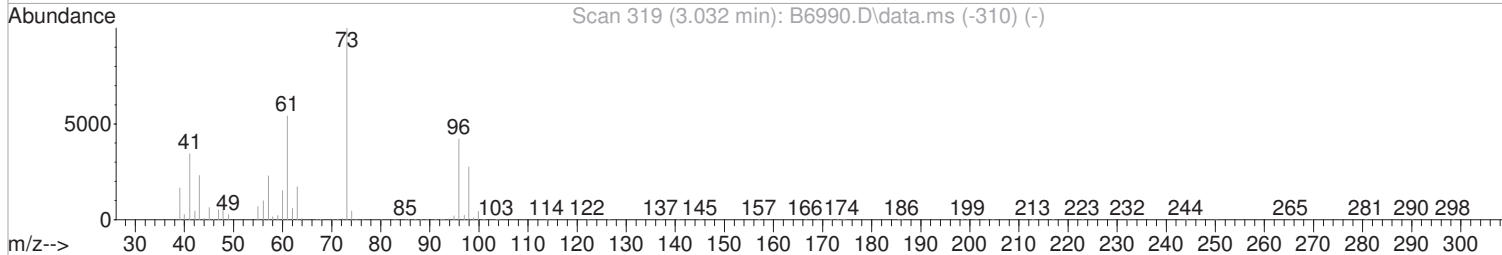
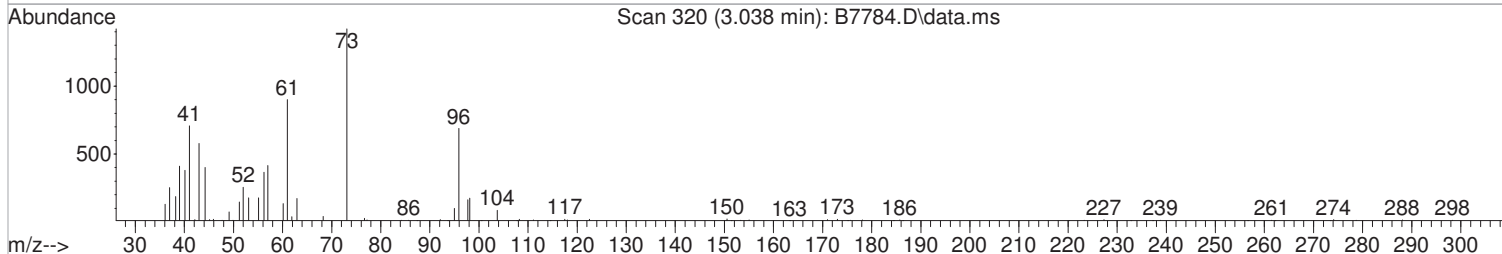
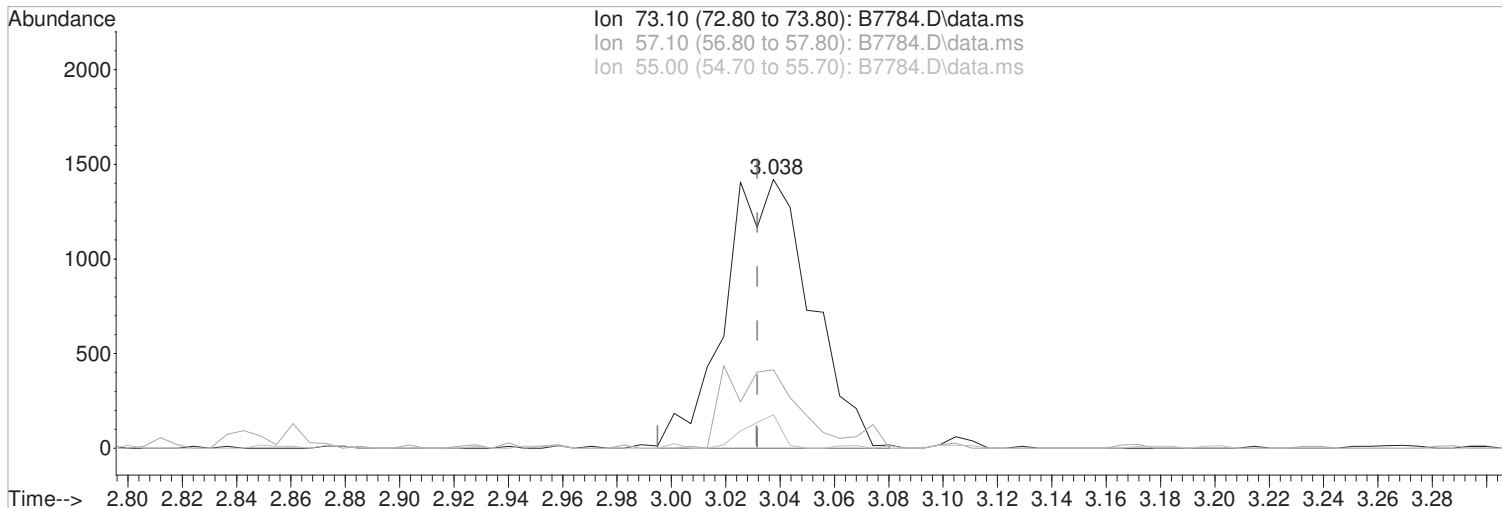
| Ion | Exp% | Act% |
|-------|-------|--------|
| 53.00 | 100 | 100 |
| 52.00 | 82.20 | 41.81# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(26) Methyl-t-Butyl Ether (P)

3.038min (+0.006) 0.47 ug/L m

response 3133

| Ion | Exp% | Act% |
|-------|-------|-------|
| 73.10 | 100 | 100 |
| 57.10 | 23.00 | 29.20 |
| 55.00 | 7.00 | 12.46 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

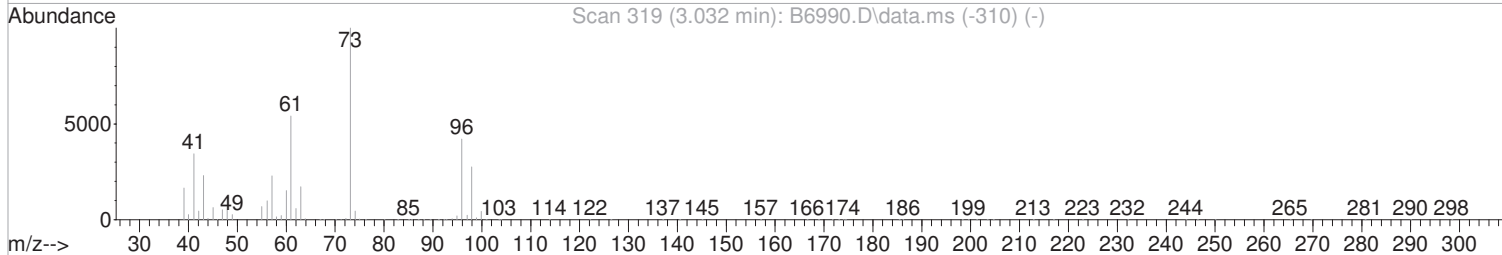
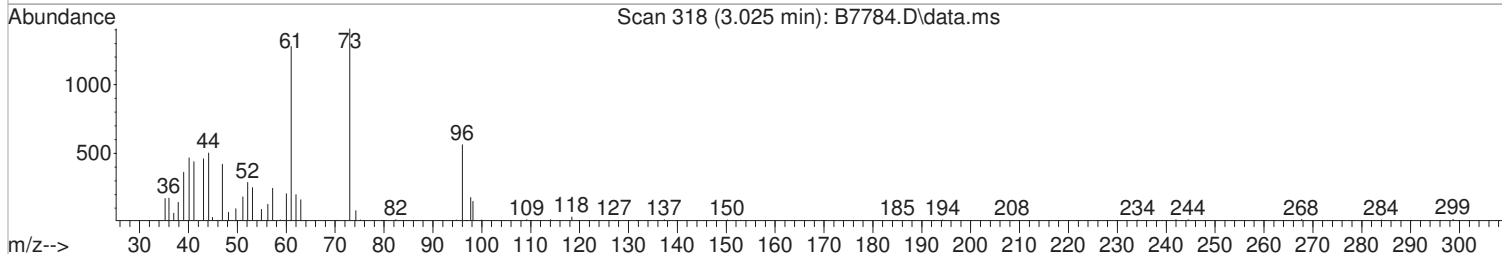
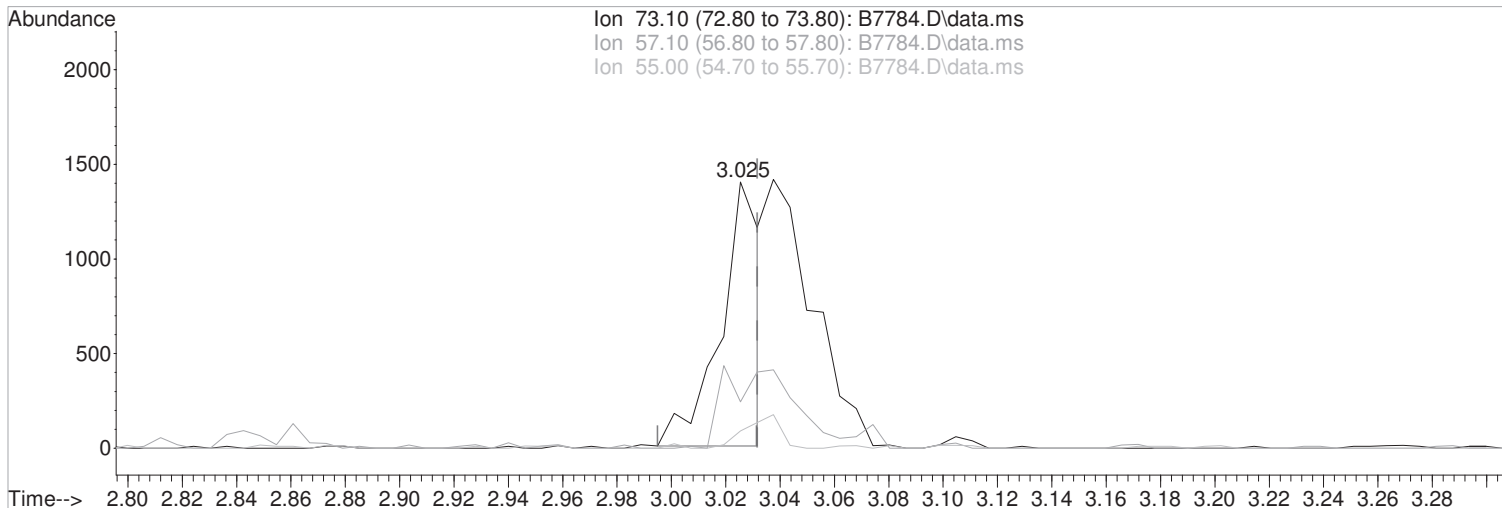
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(26) Methyl-t-Butyl Ether (P)

Manual Integration:

3.025min (-0.006) 0.21 ug/L

Before

response 1403

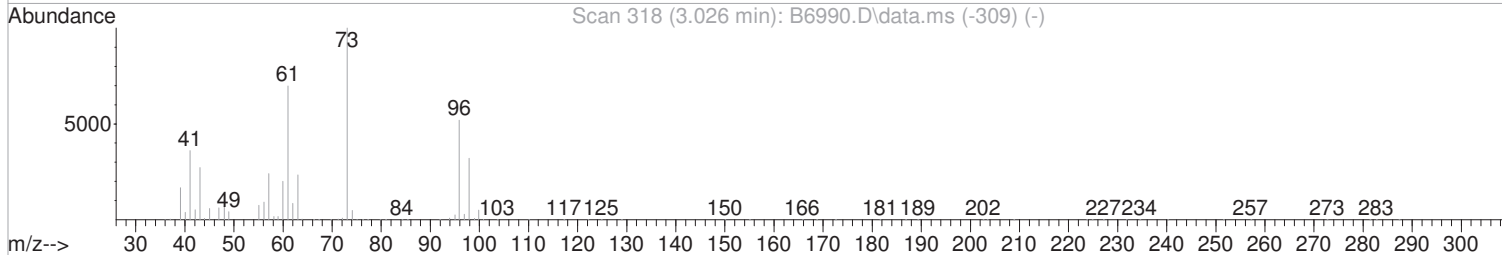
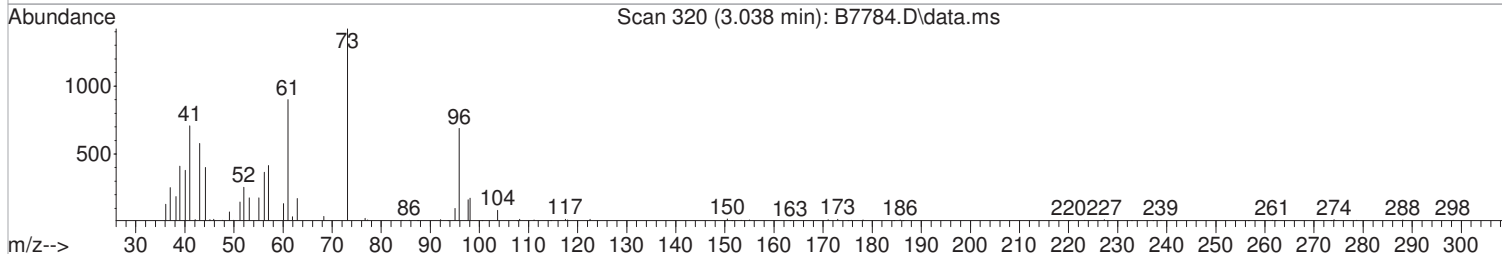
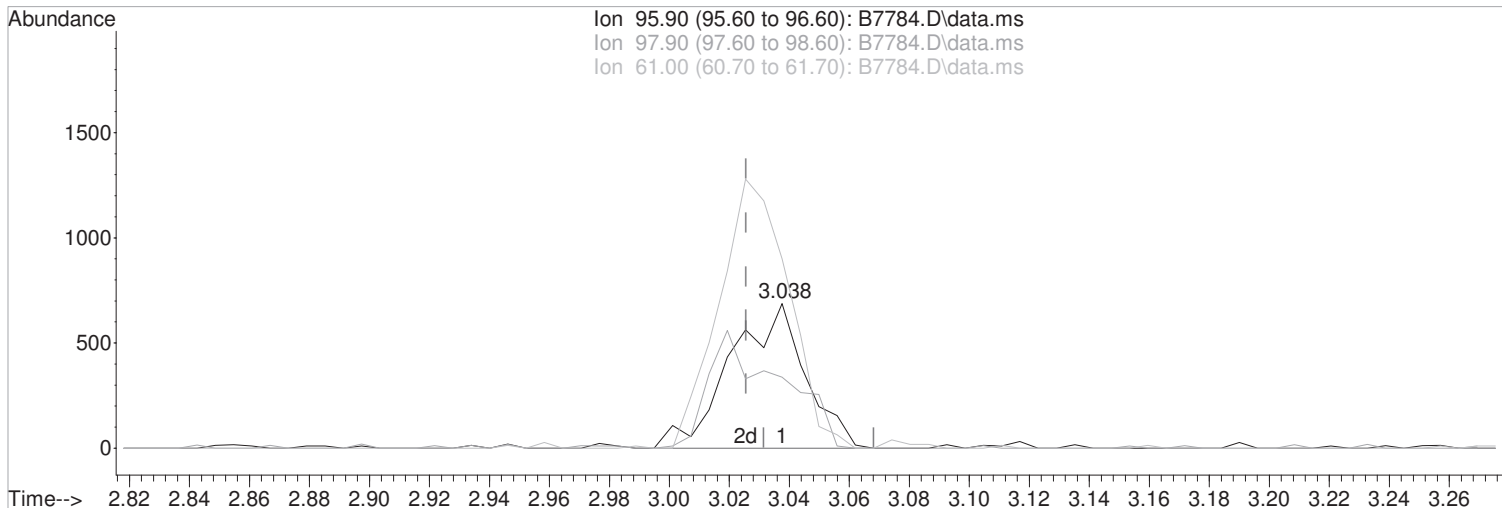
| Ion | Exp% | Act% |
|-------|-------|-------|
| 73.10 | 100 | 100 |
| 57.10 | 23.00 | 17.50 |
| 55.00 | 7.00 | 6.47 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



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

3.038min (+0.012) 0.49 ug/L m

response 1196

| Ion | Exp% | Act% |
|-------|--------|--------|
| 95.90 | 100 | 100 |
| 97.90 | 61.60 | 25.29# |
| 61.00 | 134.20 | 130.96 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

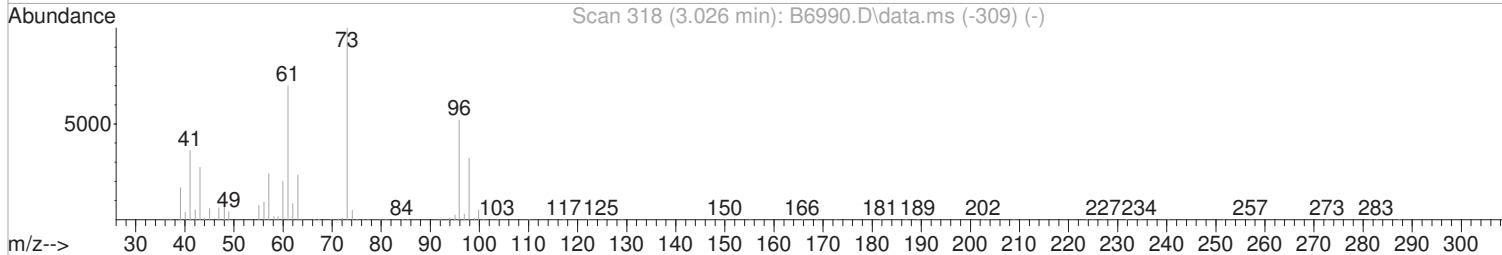
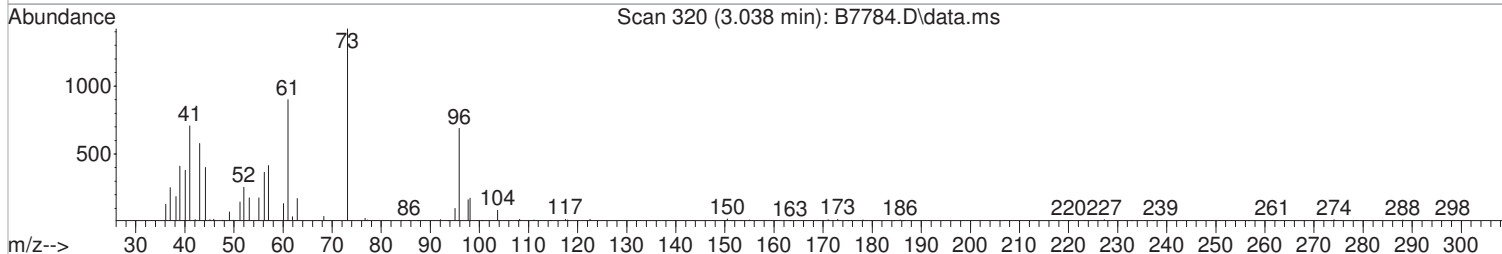
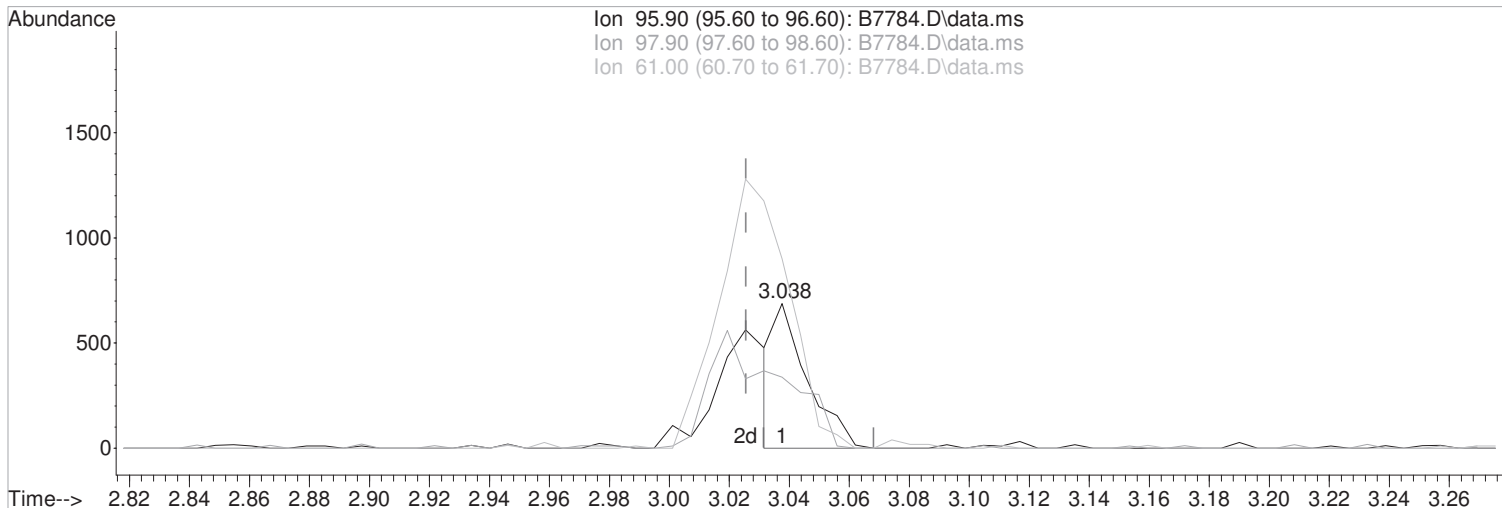
After

Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7784.D
 Acq On : 23 Jan 2023 5:10 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:00:45 2023
 Response via : Initial Calibration



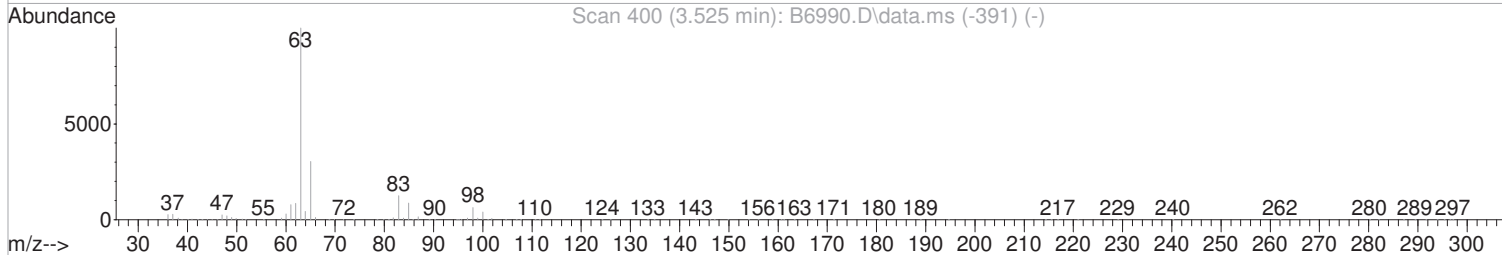
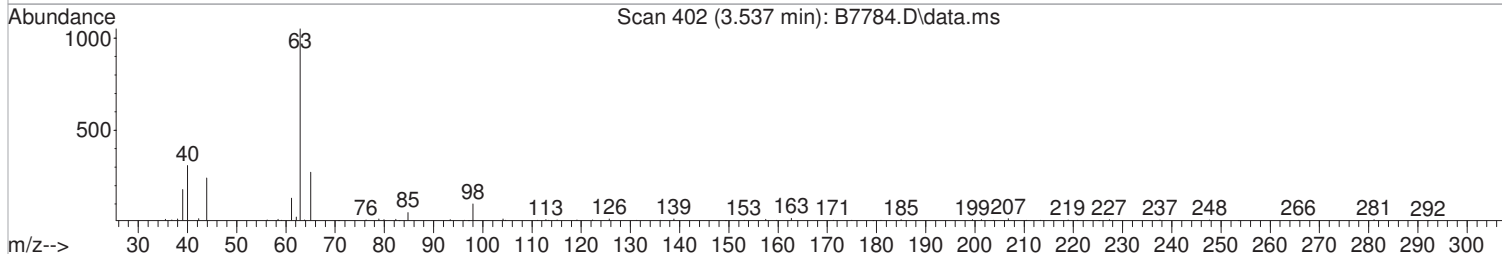
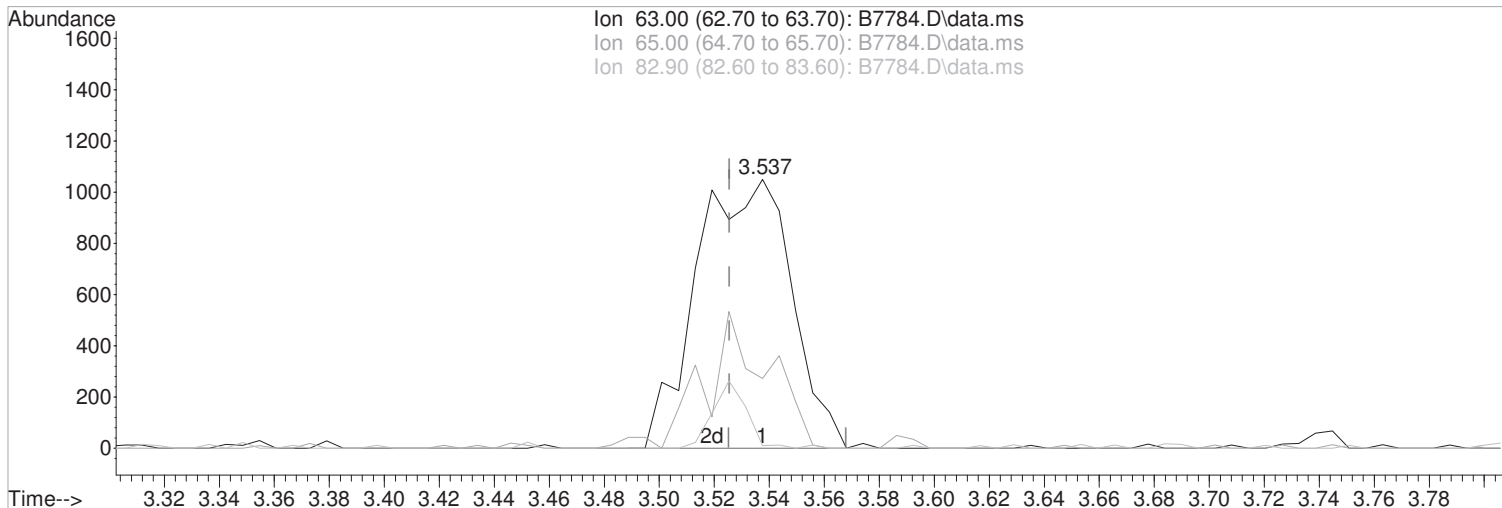
TIC: B7784.D\data.ms

| | |
|-----------------------------------|---------------------|
| (27) trans-1,2-Dichloroethene (P) | Manual Integration: |
| 3.038min (+0.012) 0.22 ug/L | Before |
| response 531 | |
| Ion Exp% Act% | 01/24/23 |
| 95.90 100 100 | |
| 97.90 61.60 48.98 | |
| 61.00 134.20 130.96 | |
| 0.00 0.00 0.00 | |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(28) 1,1-Dicethane (P)
3.537min (+0.012) 0.59 ug/L m
response 2521

Manual Integration:
After
Poor integration.

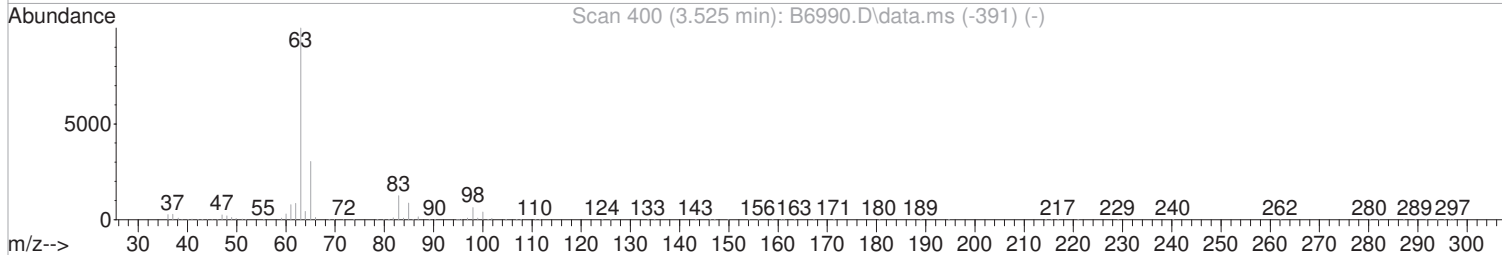
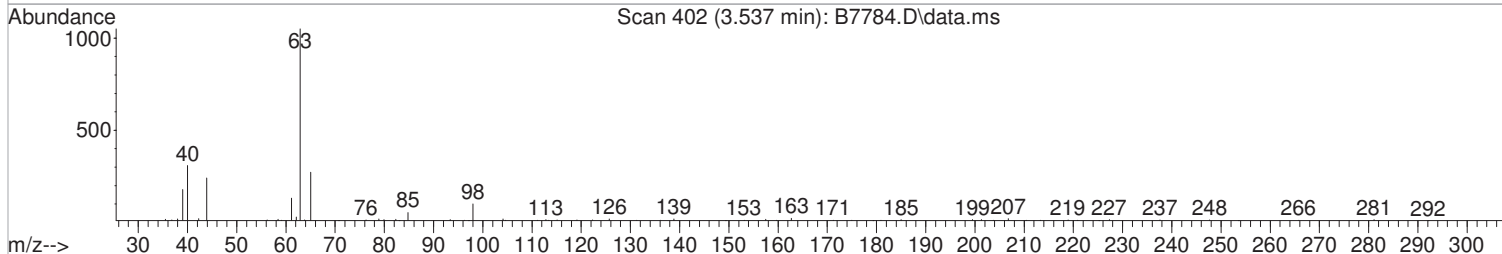
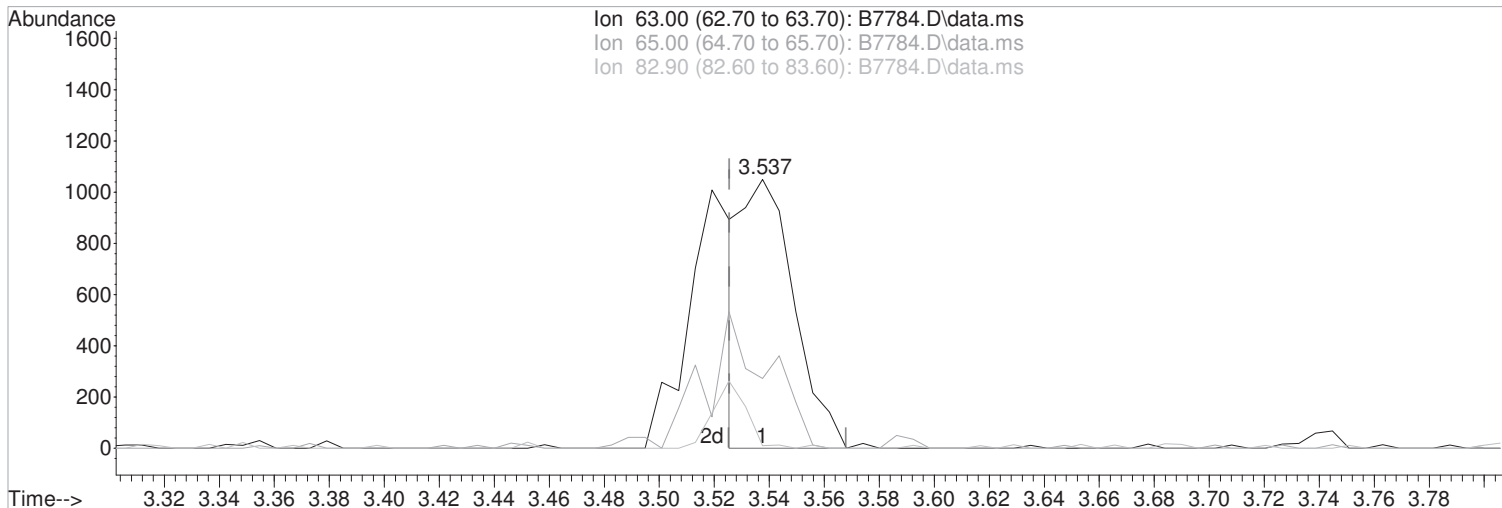
| Ion | Exp% | Act% |
|-------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 30.40 | 26.00 |
| 82.90 | 12.50 | 0.95 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(28) 1,1-Dicethane (P)
3.537min (+0.012) 0.33 ug/L
response 1392

Manual Integration:
Before

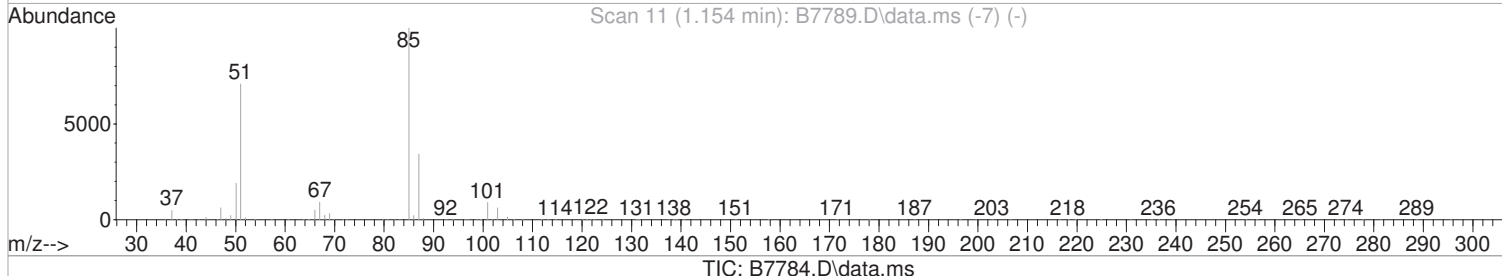
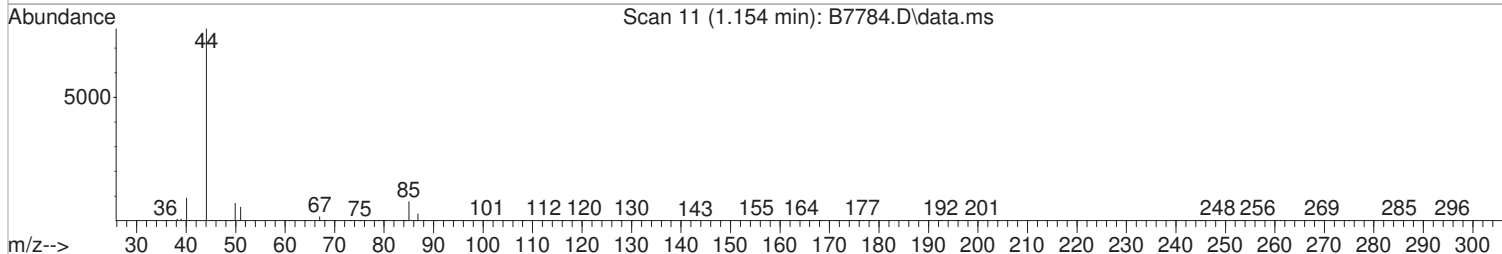
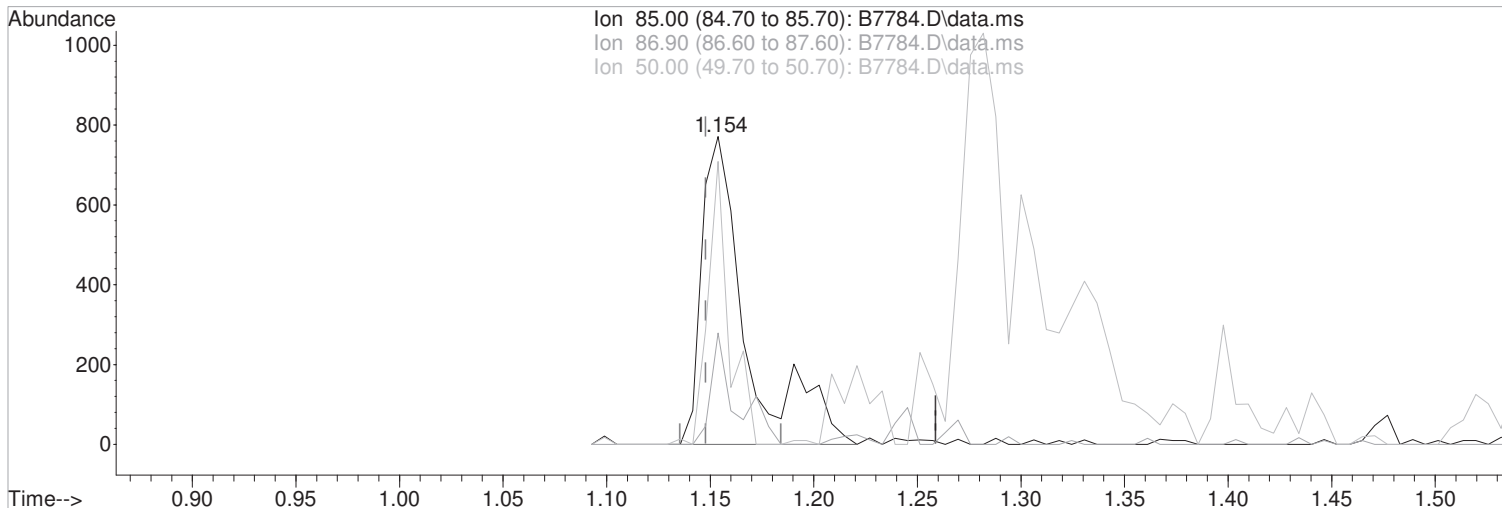
| Ion | Exp% | Act% |
|-------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 30.40 | 26.00 |
| 82.90 | 12.50 | 0.95 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:08:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.154min (+0.006) 0.48 ug/L m
response 1157

| Ion | Exp% | Act% |
|-------|-------|--------|
| 85.00 | 100 | 100 |
| 86.90 | 33.80 | 36.19 |
| 50.00 | 14.40 | 91.96# |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

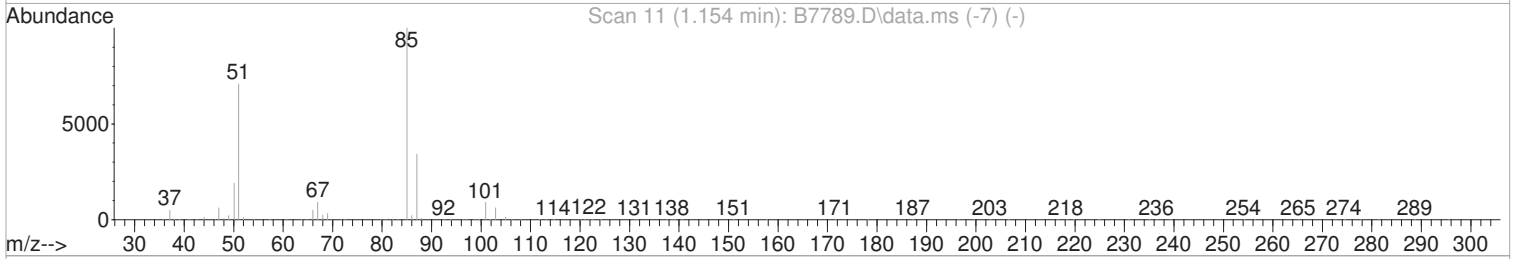
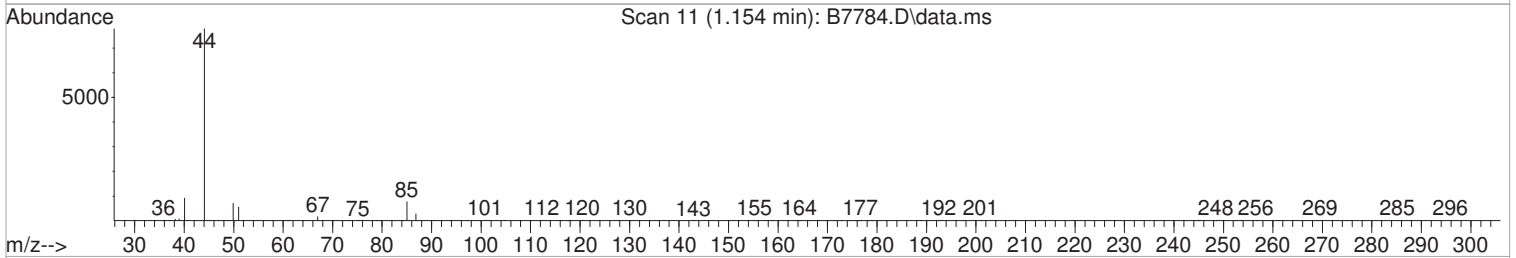
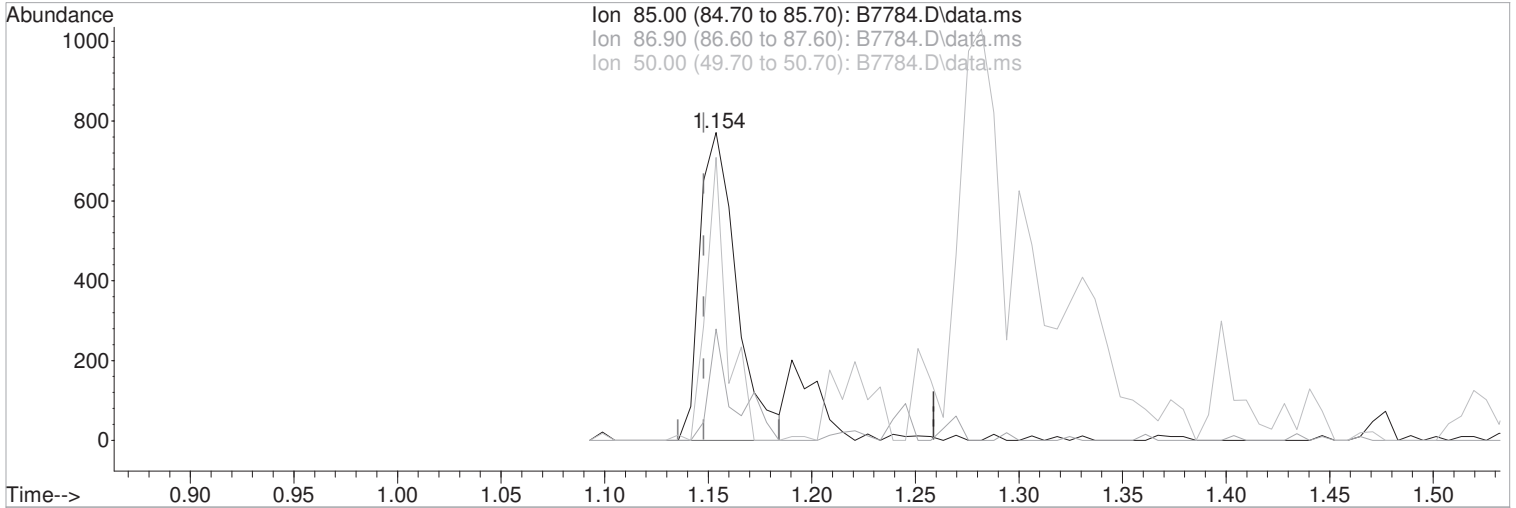
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:08:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.154min (+0.006) 0.39 ug/L

Before

response 955

Ion Exp% Act%

01/24/23

85.00 100 100

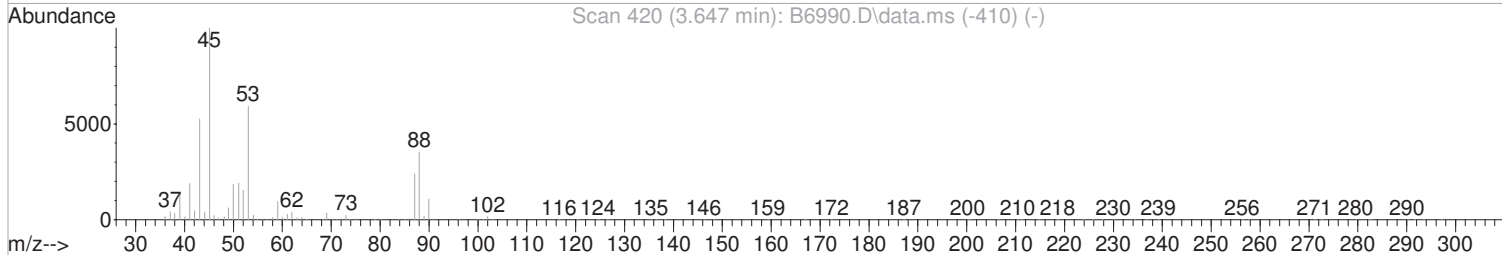
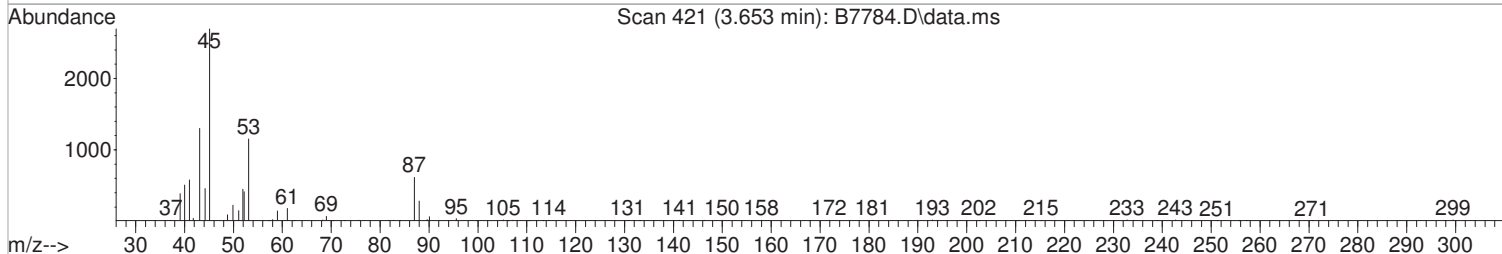
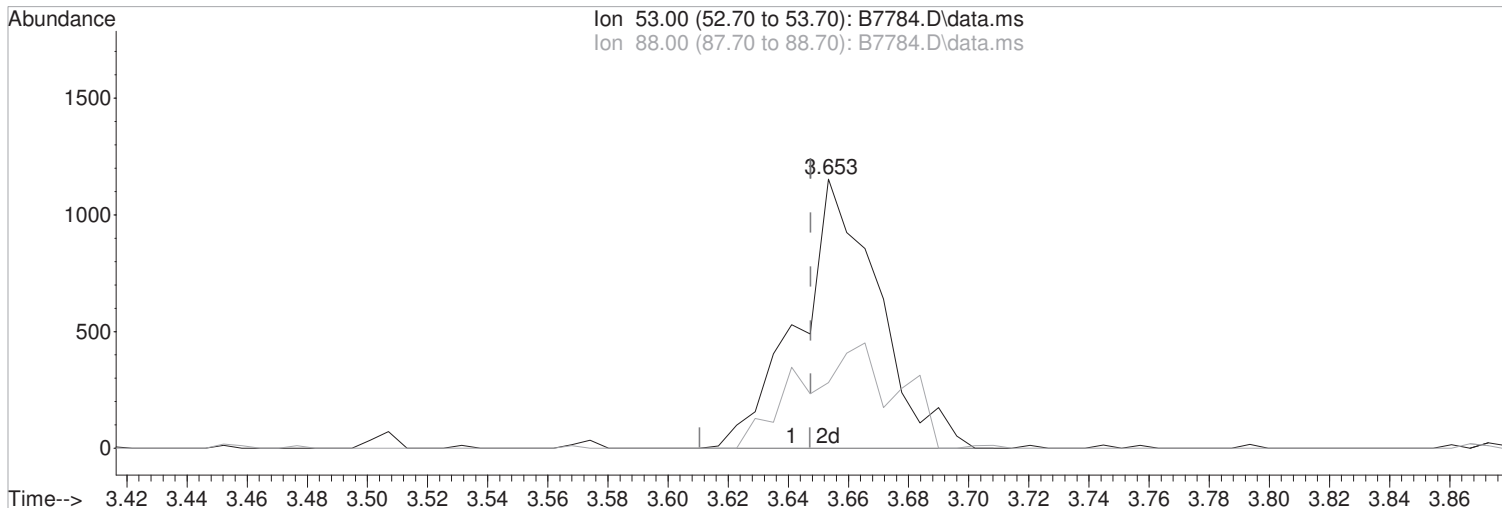
86.90 33.80 36.19

50.00 14.40 91.96#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7784.D
 Acq On : 23 Jan 2023 5:10 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:00:45 2023
 Response via : Initial Calibration



TIC: B7784.D\data.ms

(31) 2-Chloro-1,3-Butadiene
 3.653min (+0.006) 0.54 ug/L m
 response 2135

Manual Integration:
 After
 Poor integration.

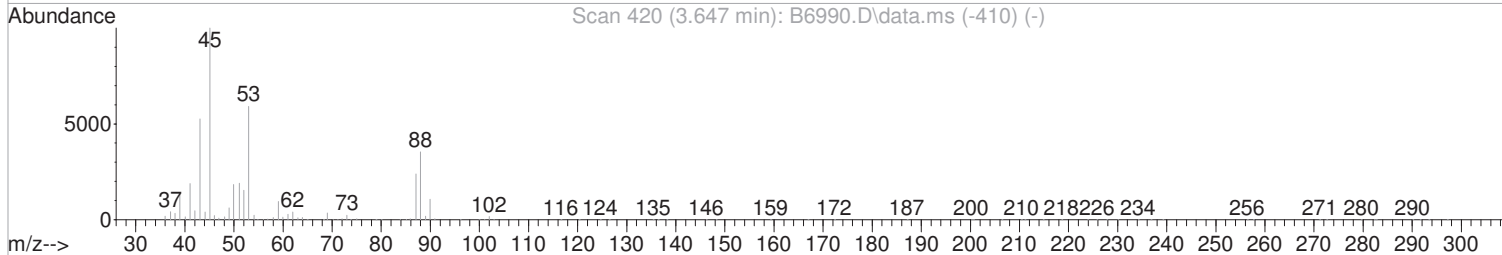
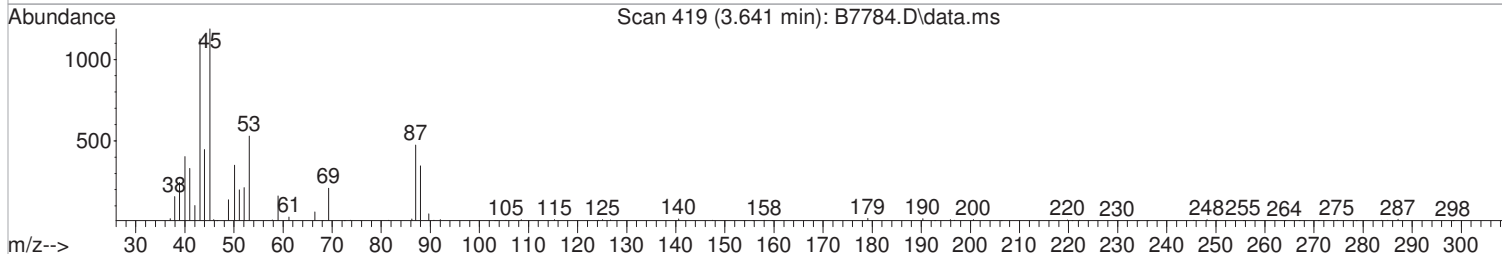
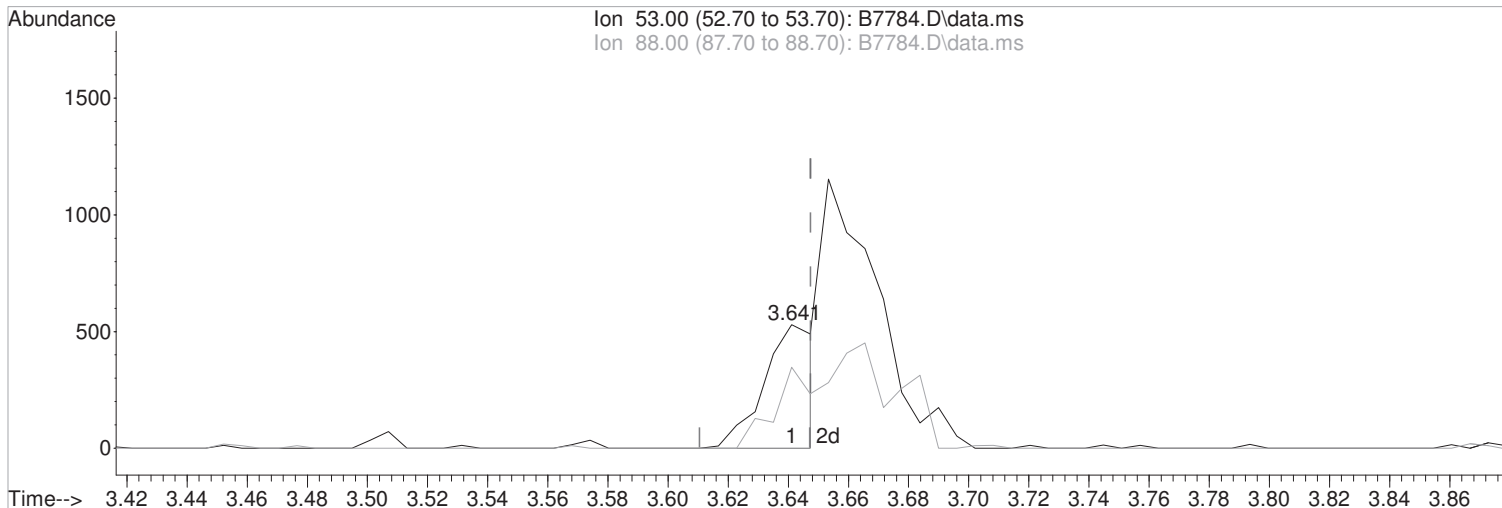
| Ion | Exp% | Act% |
|-------|-------|--------|
| 53.00 | 100 | 100 |
| 88.00 | 60.00 | 24.46# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(31) 2-Chloro-1,3-Butadiene

Manual Integration:

3.641min (-0.006) 0.16 ug/L

Before

response 618

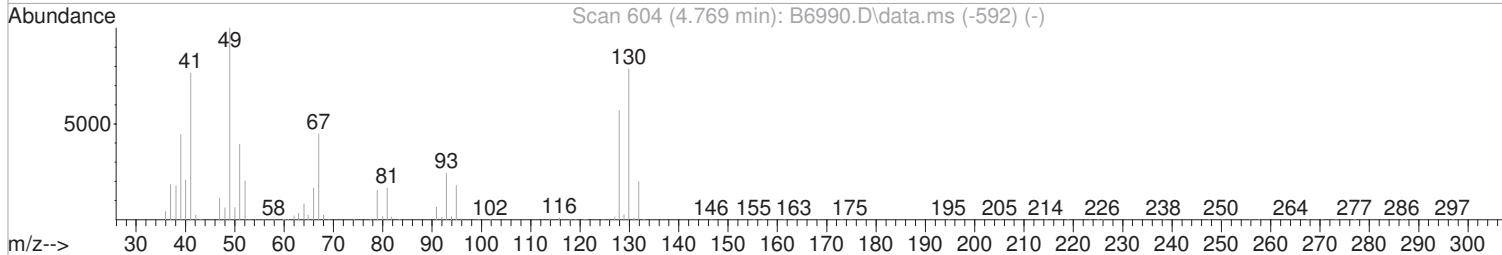
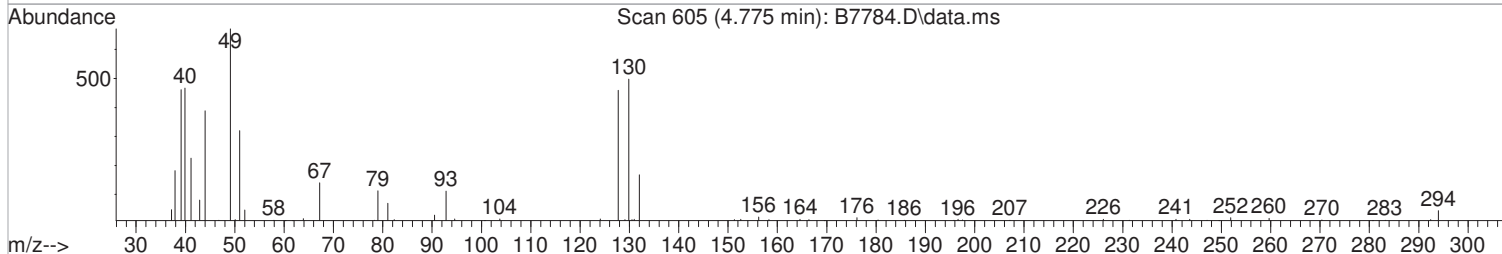
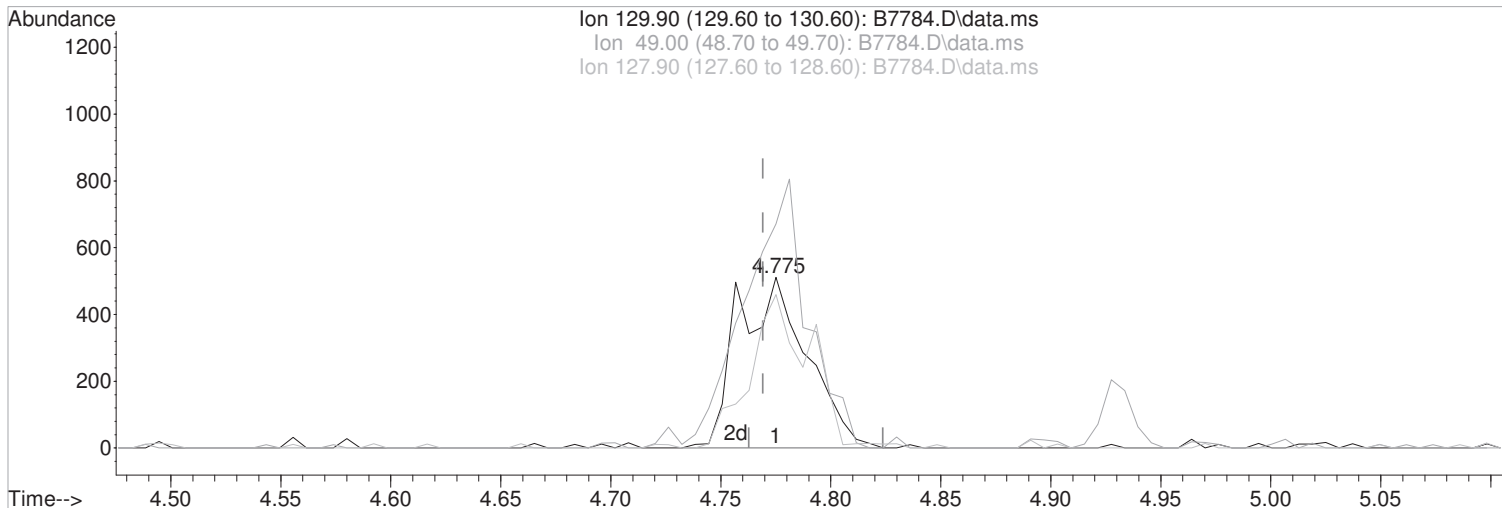
| Ion | Exp% | Act% |
|-------|-------|-------|
| 53.00 | 100 | 100 |
| 88.00 | 60.00 | 65.60 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(37) Bromochloromethane

4.775min (+0.006) 0.56 ug/L m

response 1119

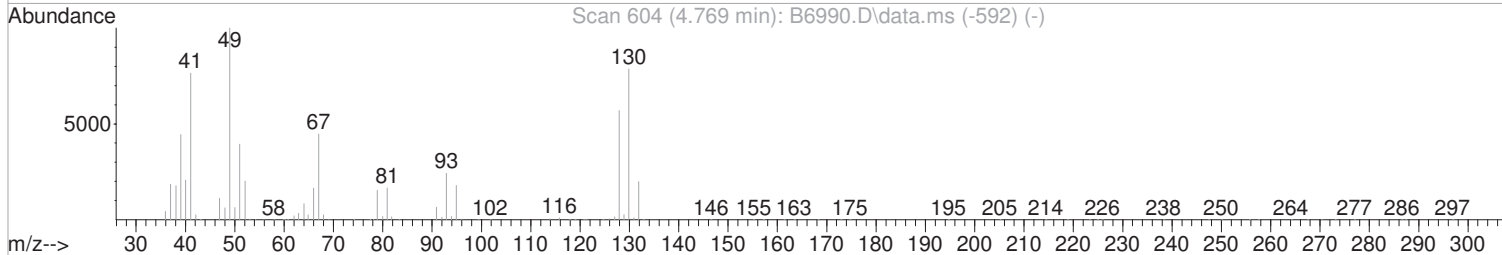
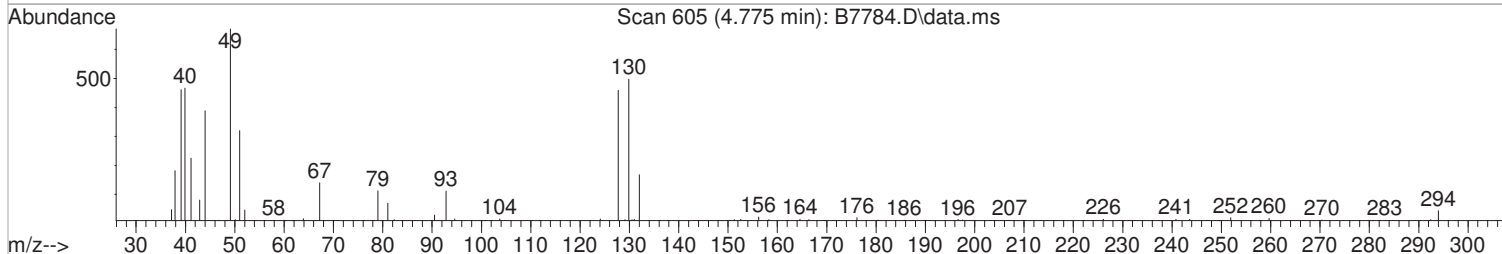
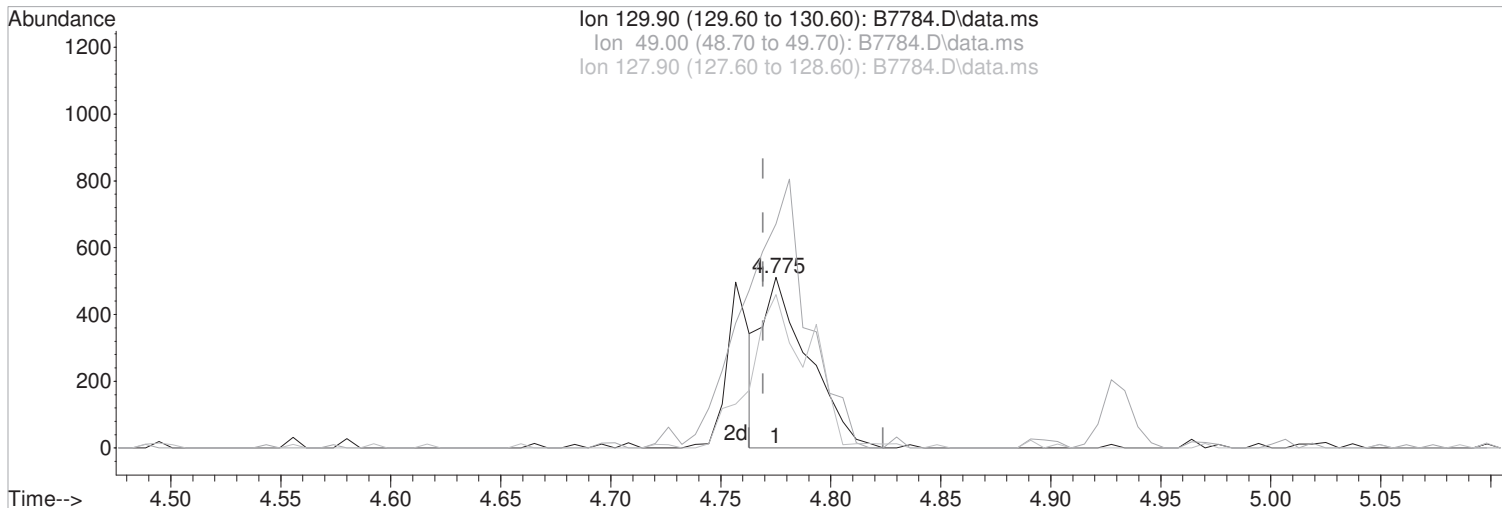
| Ion | Exp% | Act% |
|--------|--------|--------|
| 129.90 | 100 | 100 |
| 49.00 | 127.10 | 134.74 |
| 127.90 | 72.30 | 92.17 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(37) Bromochloromethane
4.775min (+0.006) 0.38 ug/L
response 755

Manual Integration:
Before

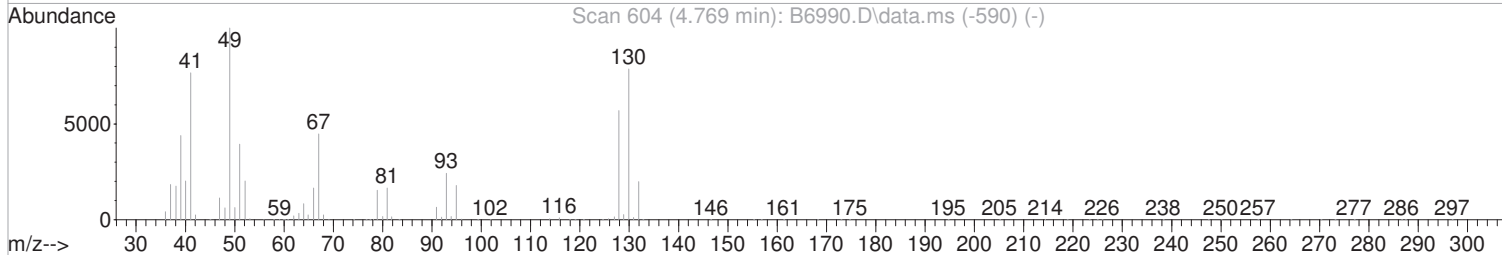
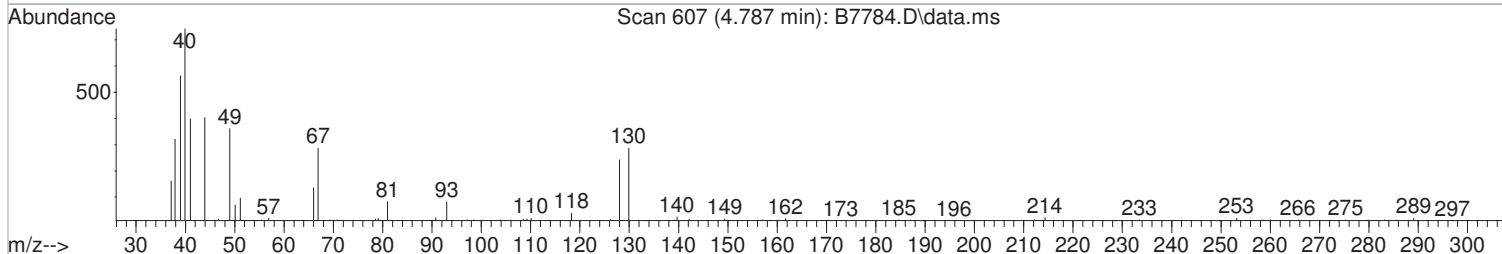
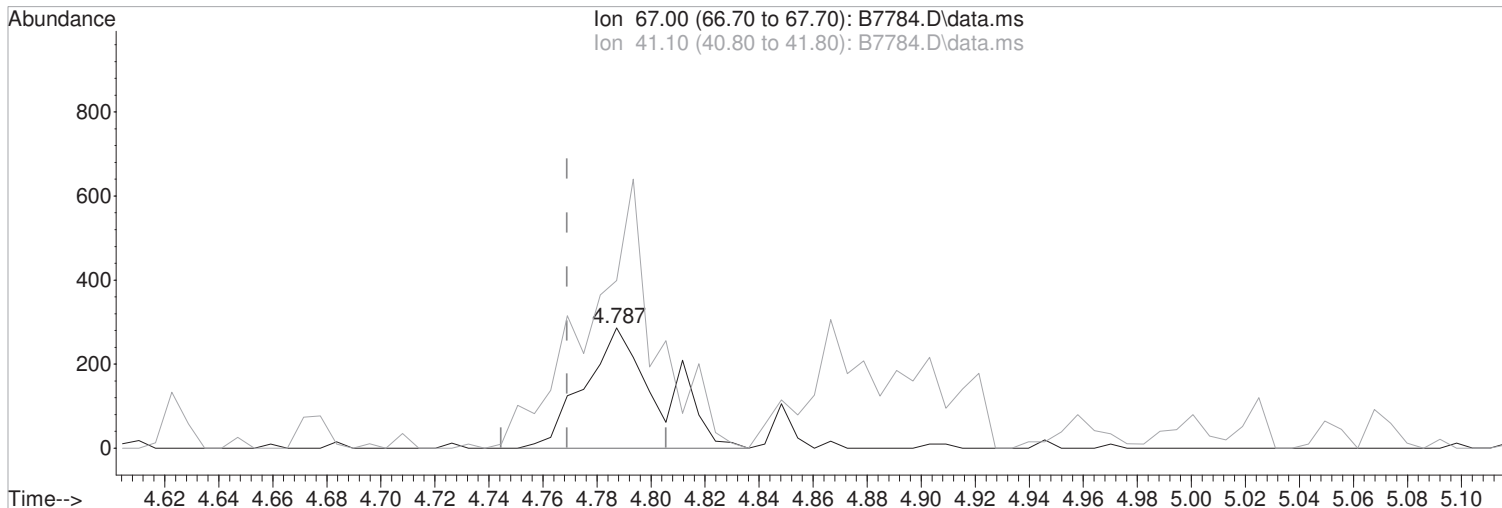
| Ion | Exp% | Act% |
|--------|--------|--------|
| 129.90 | 100 | 100 |
| 49.00 | 127.10 | 131.31 |
| 127.90 | 72.30 | 89.82 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(38) Methacrylonitrile
4.787min (+0.018) 0.47 ug/L m
response 556

Manual Integration:
After
Poor integration.

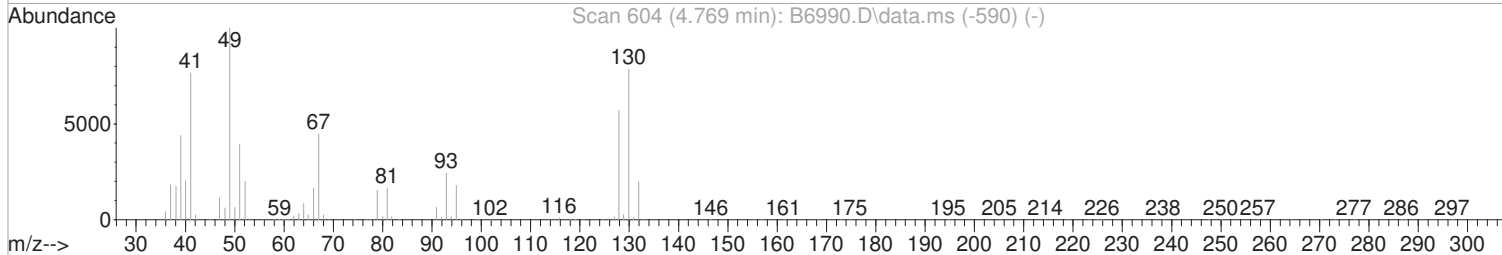
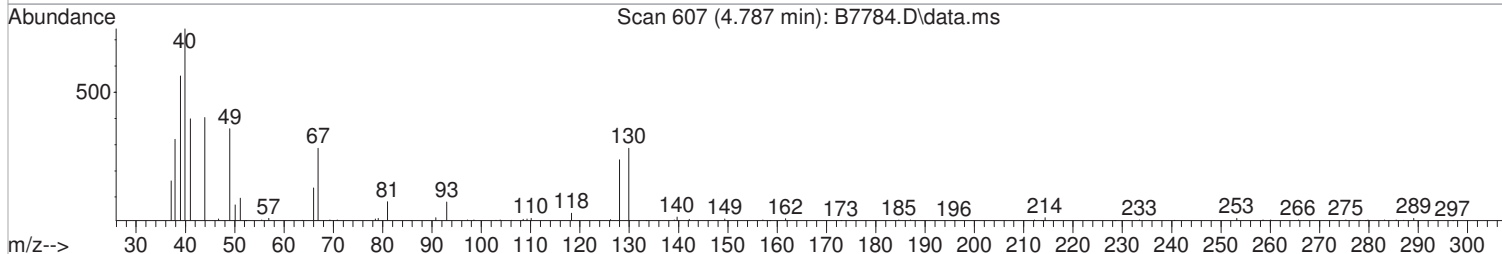
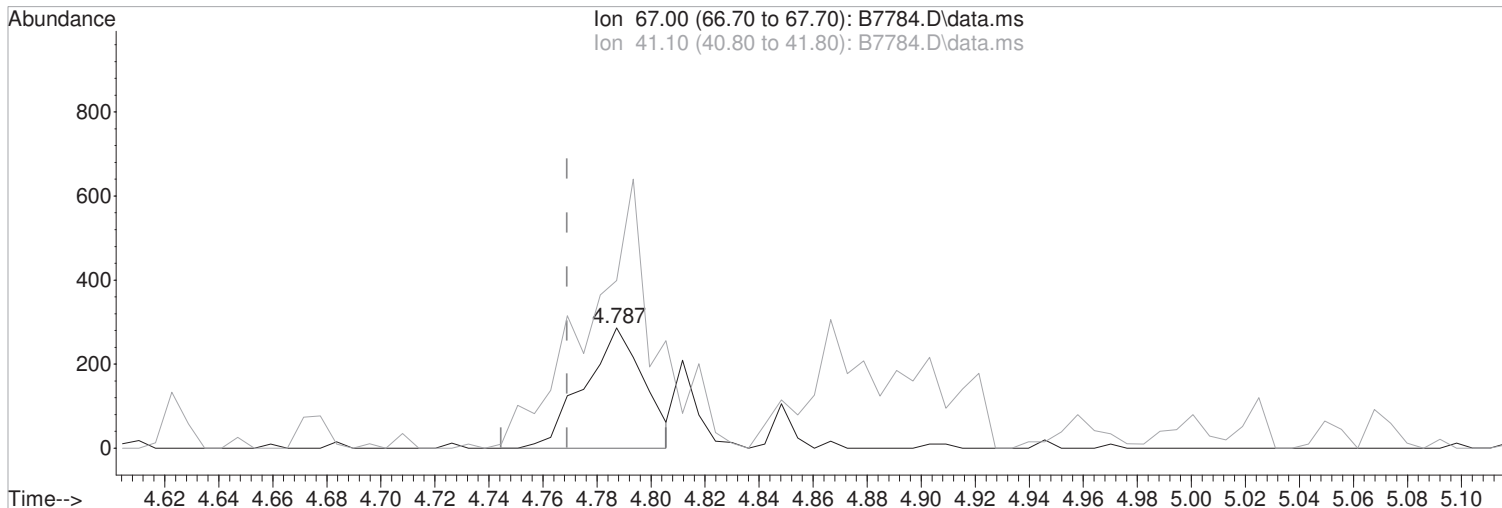
| Ion | Exp% | Act% |
|-------|--------|---------|
| 67.00 | 100 | 100 |
| 41.10 | 171.30 | 139.51# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(38) Methacrylonitrile
4.787min (+0.018) 0.37 ug/L
response 439

Manual Integration:
Before

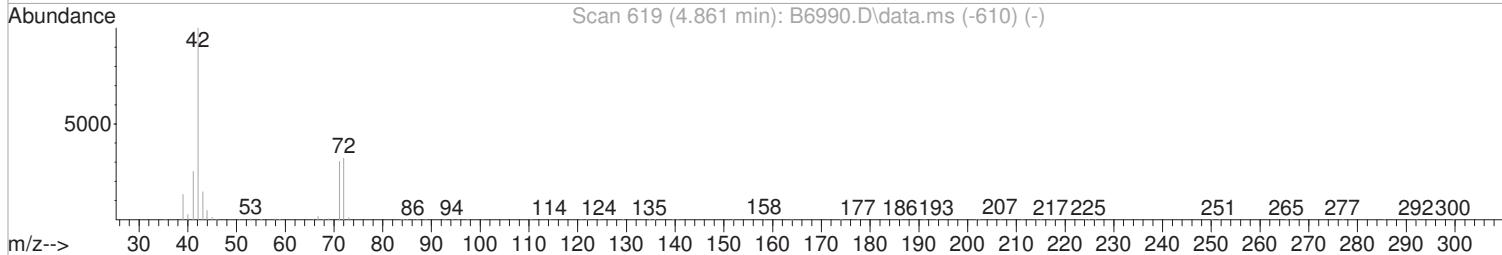
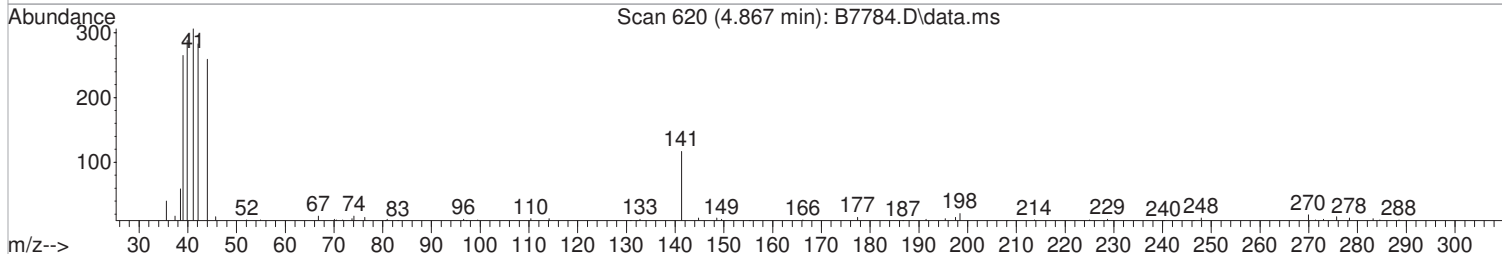
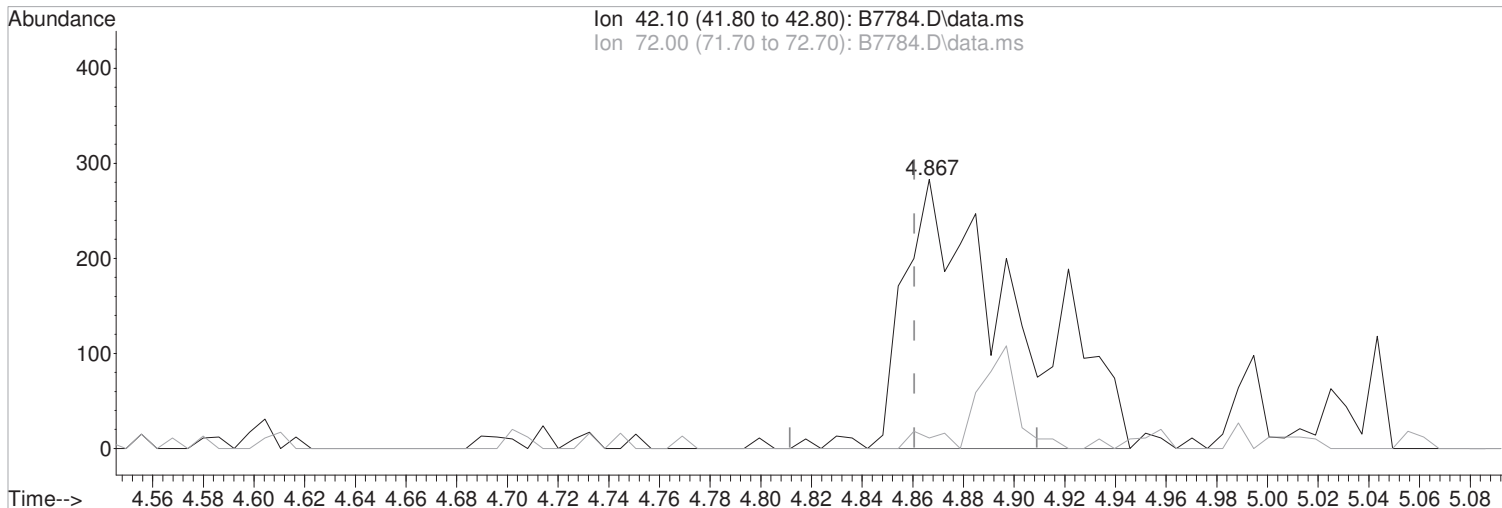
| Ion | Exp% | Act% |
|-------|--------|---------|
| 67.00 | 100 | 100 |
| 41.10 | 171.30 | 139.51# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(39) Tetrahydrofuran
4.867min (+0.006) 0.74 ug/L m
response 863

Manual Integration:
After
Poor integration.

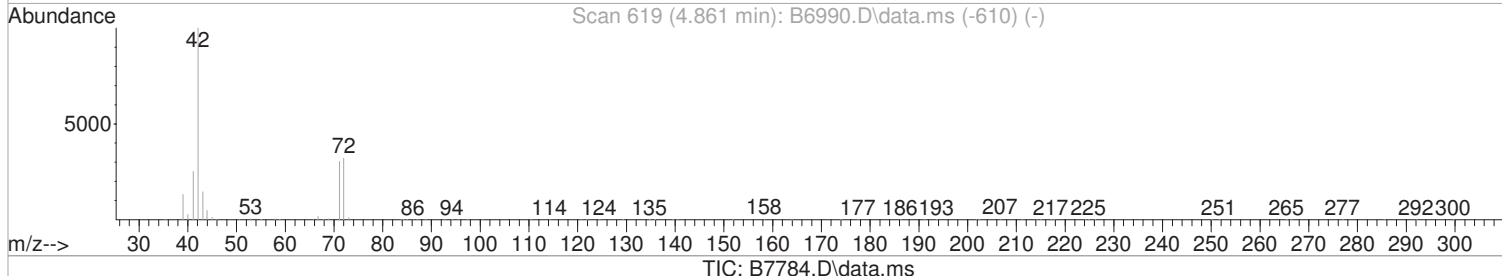
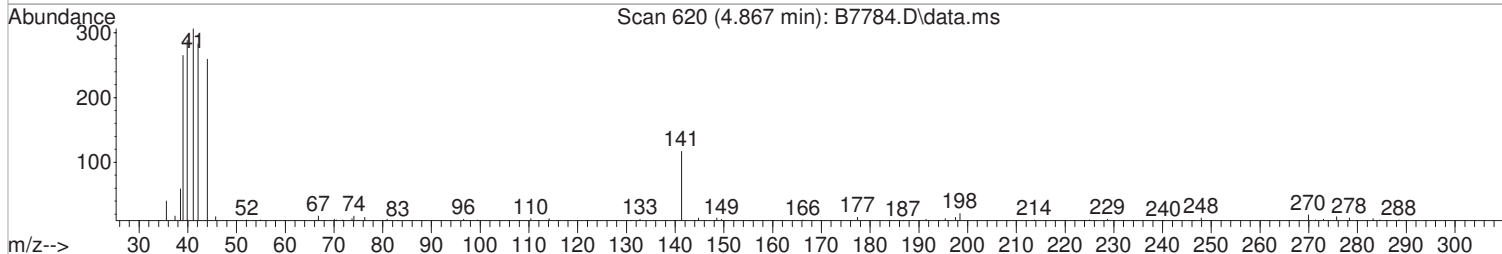
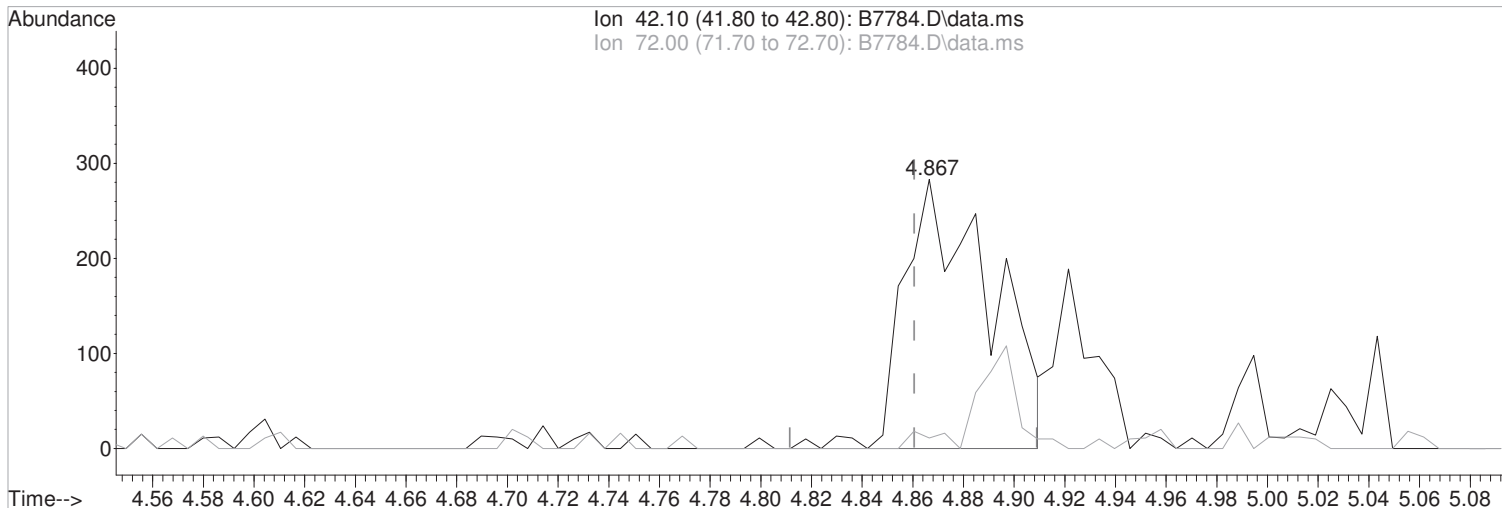
| Ion | Exp% | Act% |
|-------|-------|-------|
| 42.10 | 100 | 100 |
| 72.00 | 31.60 | 3.89# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(39) Tetrahydrofuran
4.867min (+0.006) 0.58 ug/L
response 677

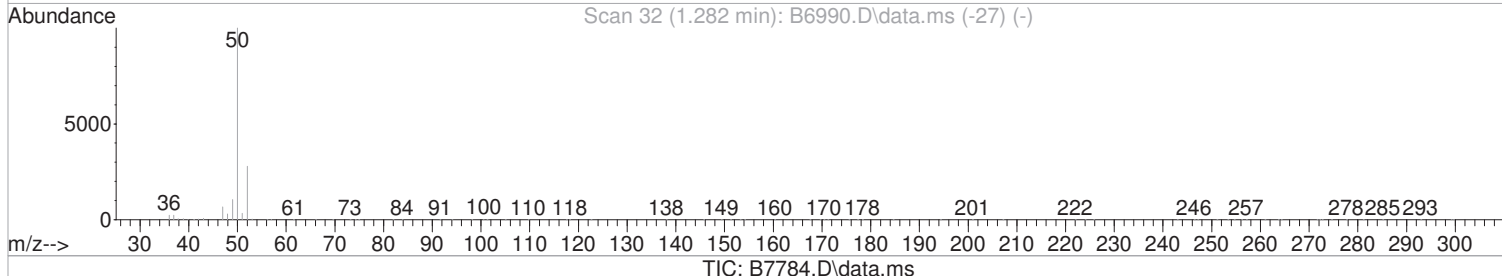
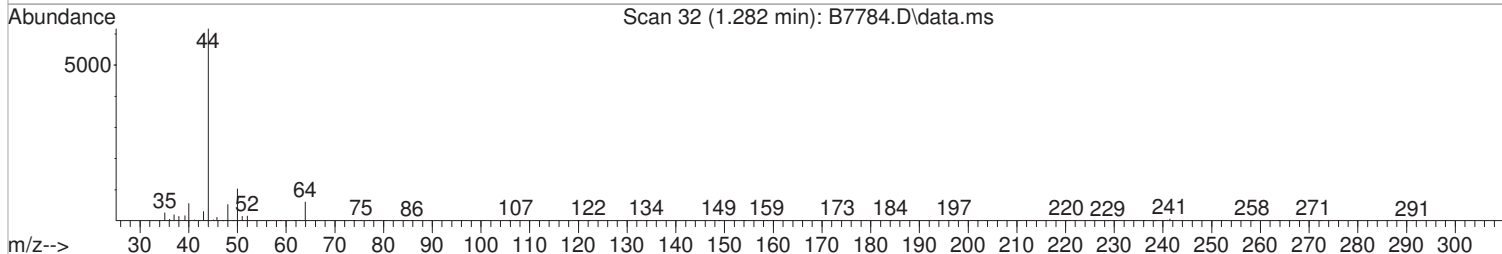
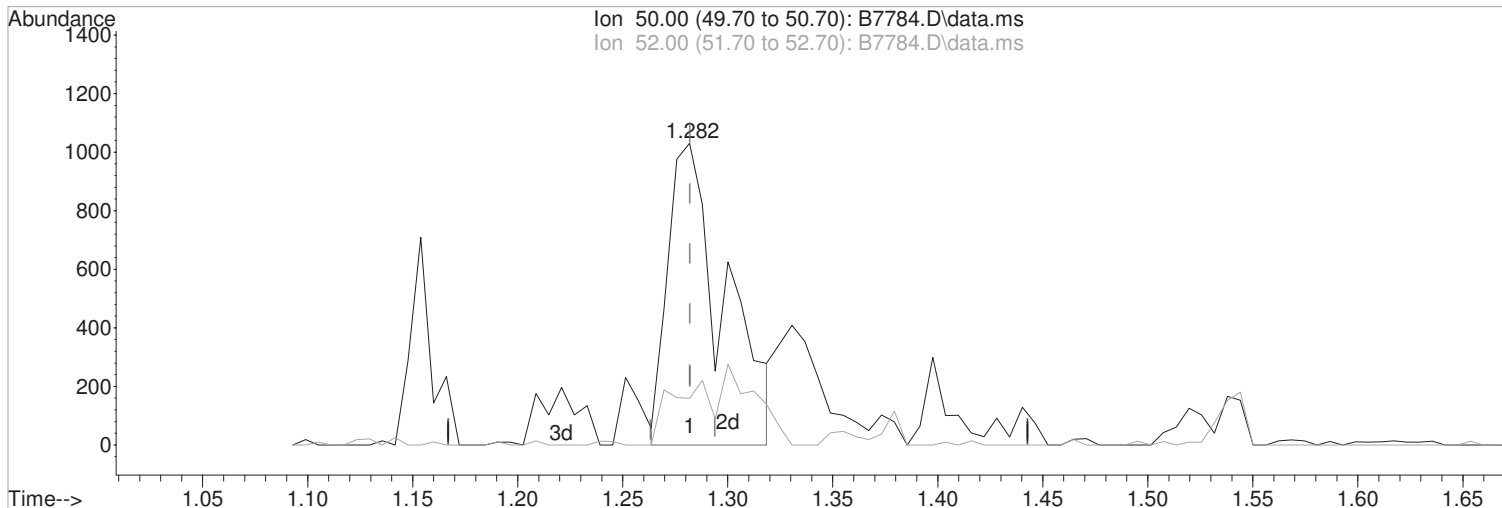
Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|-------|-------|
| 42.10 | 100 | 100 |
| 72.00 | 31.60 | 3.89# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(4) Chloromethane (P)

1.282min (-0.000) 0.57 ug/L m
response 1911

| Ion | Exp% | Act% |
|-------|-------|-------|
| 50.00 | 100 | 100 |
| 52.00 | 27.90 | 15.44 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

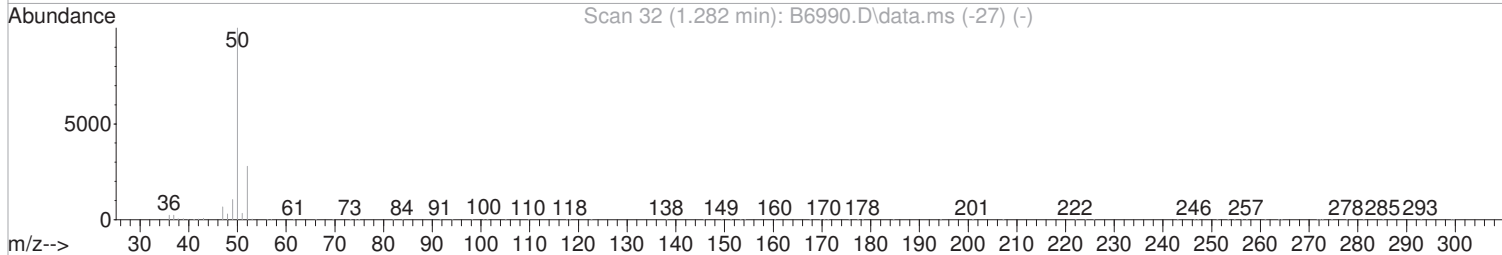
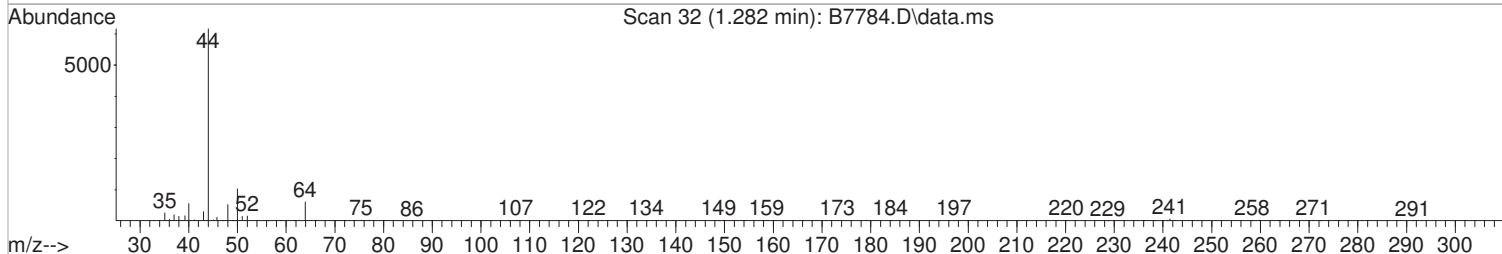
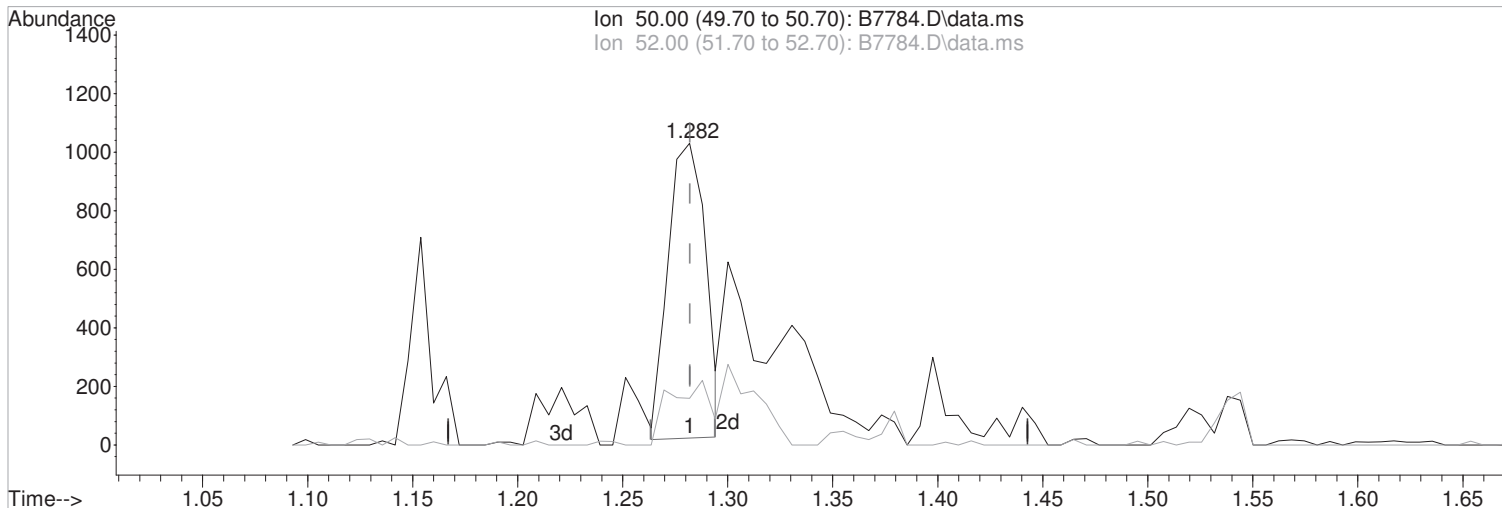
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(4) Chloromethane (P)
1.282min (-0.000) 0.37 ug/L
response 1255

Manual Integration:
Before

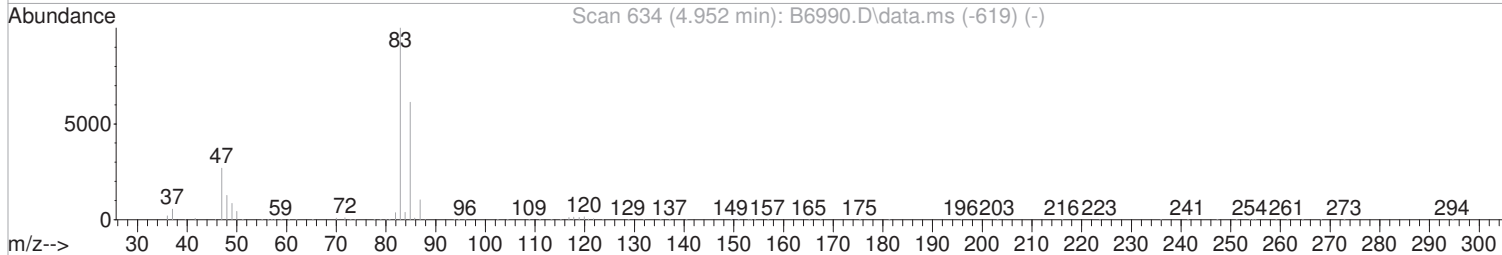
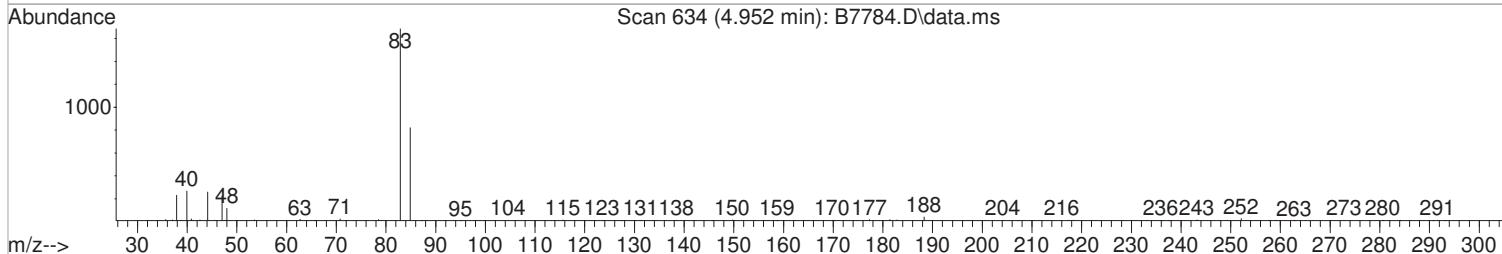
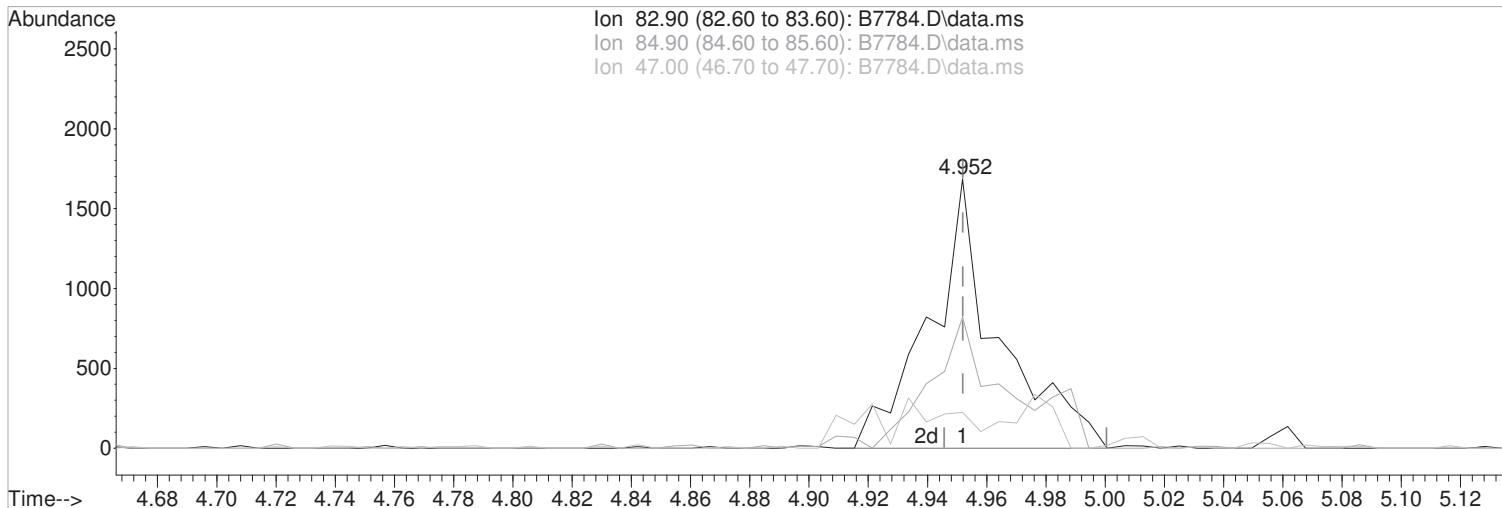
| Ion | Exp% | Act% |
|-------|-------|-------|
| 50.00 | 100 | 100 |
| 52.00 | 27.90 | 15.44 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(40) Chloroform (P)

4.952min (-0.000) 0.60 ug/L m
response 2711

| Ion | Exp% | Act% |
|-------|-------|-------|
| 82.90 | 100 | 100 |
| 84.90 | 61.30 | 48.75 |
| 47.00 | 26.80 | 13.30 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

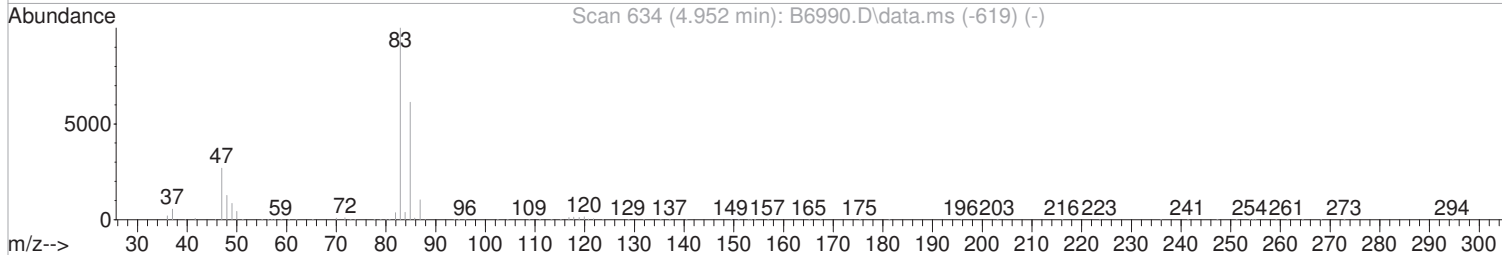
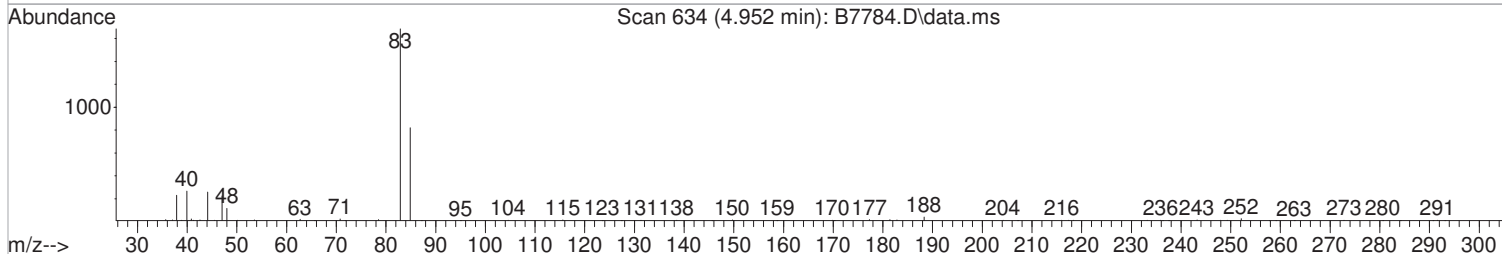
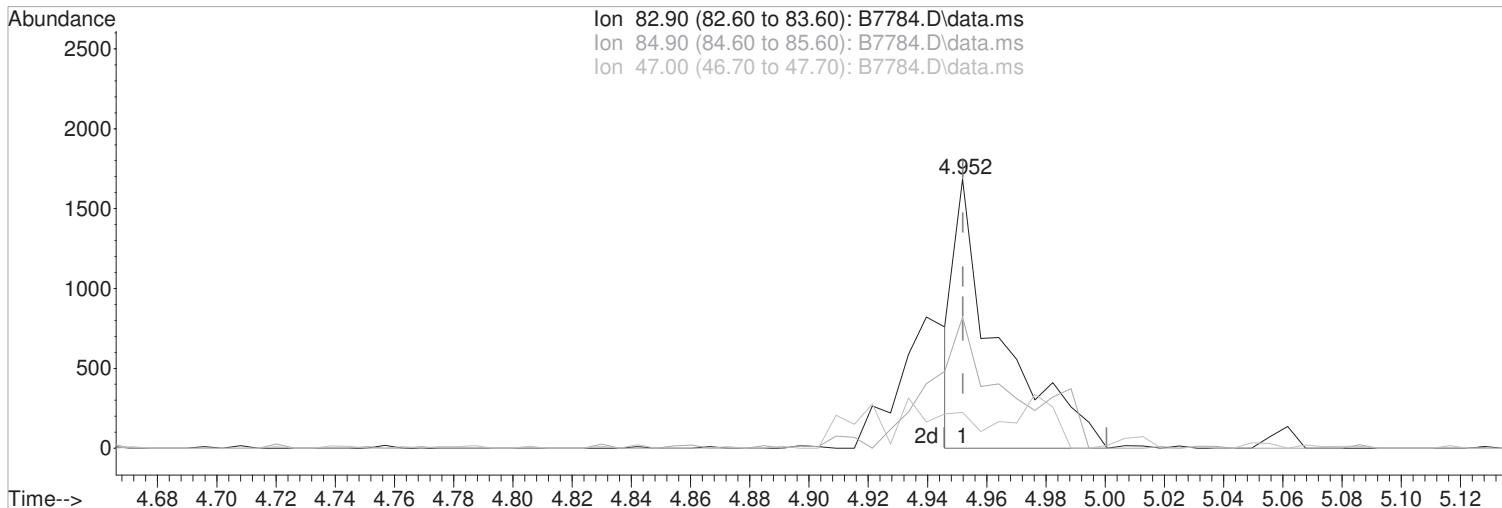
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(40) Chloroform (P)
4.952min (-0.000) 0.39 ug/L
response 1740

Manual Integration:
Before

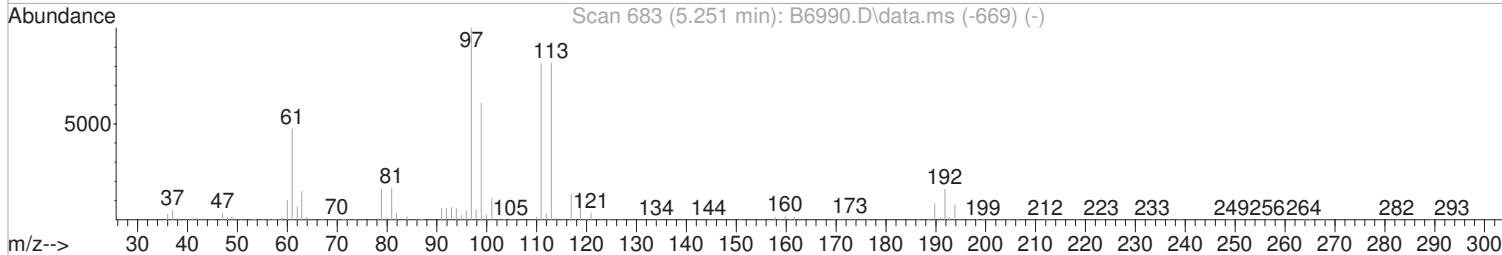
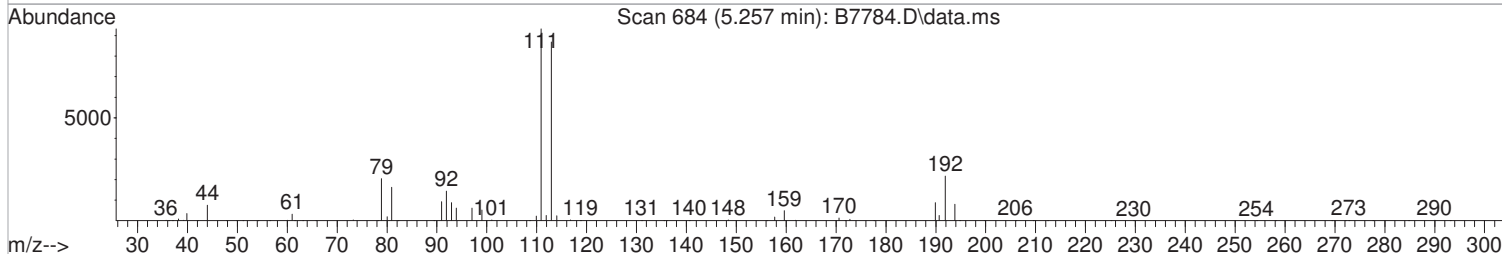
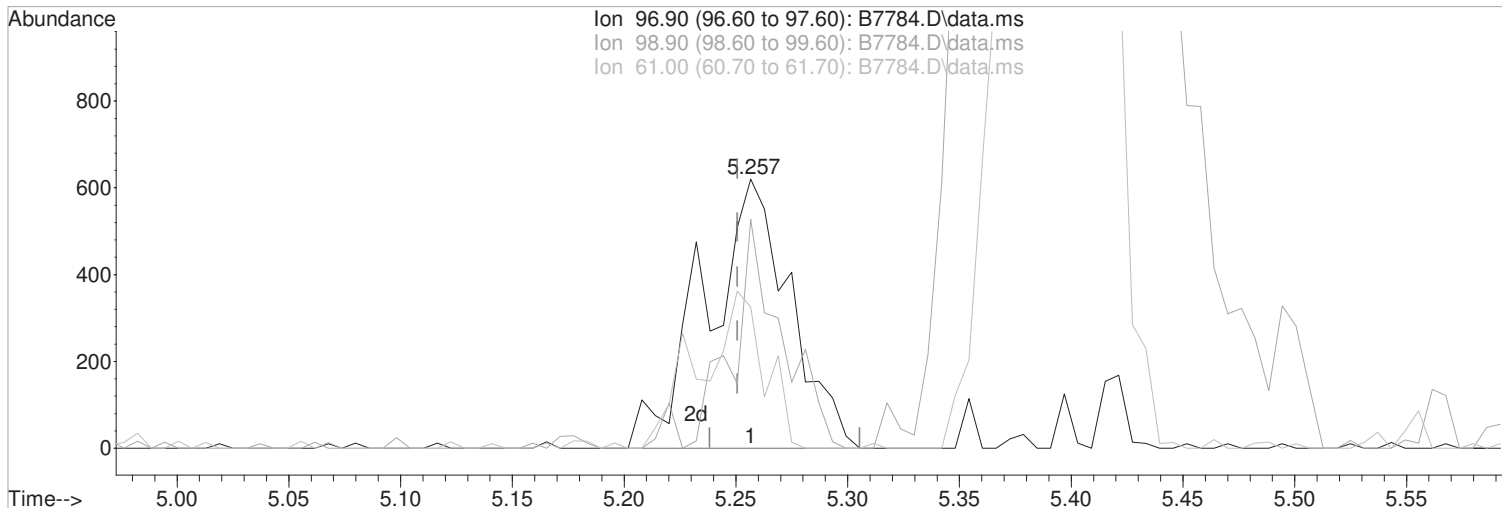
| Ion | Exp% | Act% |
|-------|-------|-------|
| 82.90 | 100 | 100 |
| 84.90 | 61.30 | 48.75 |
| 47.00 | 26.80 | 13.30 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

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

5.257min (+0.006) 0.49 ug/L m
response 1630

| Ion | Exp% | Act% |
|-------|-------|--------|
| 96.90 | 100 | 100 |
| 98.90 | 60.80 | 85.00# |
| 61.00 | 47.40 | 50.81 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

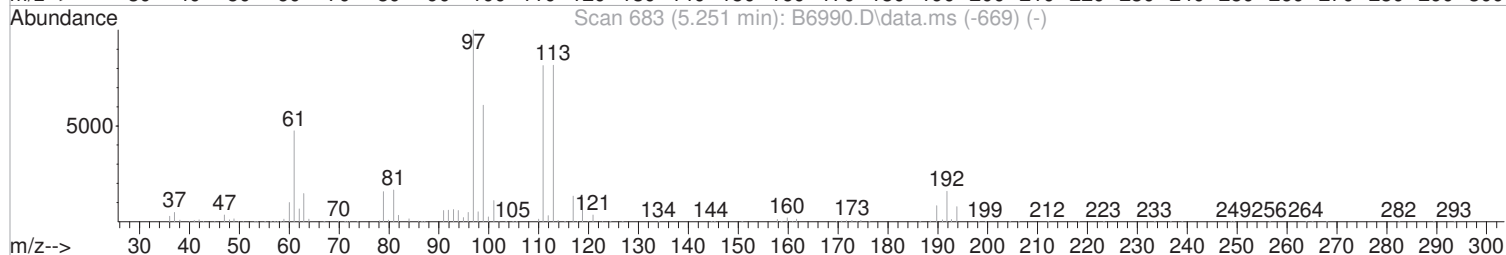
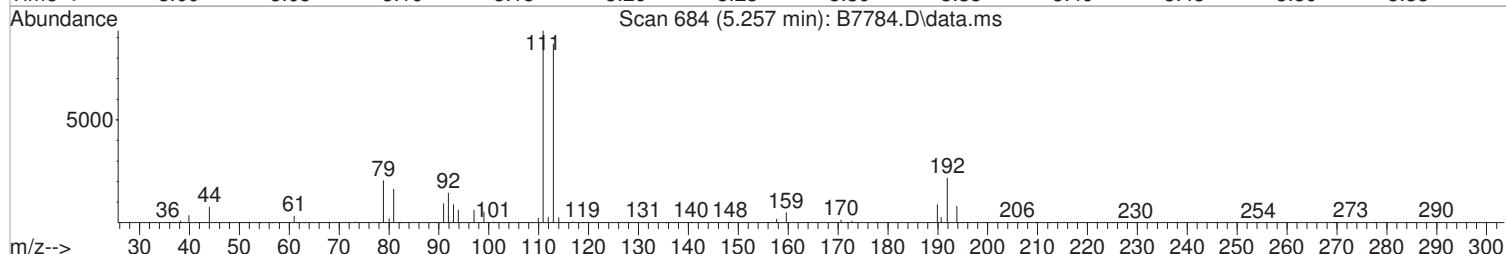
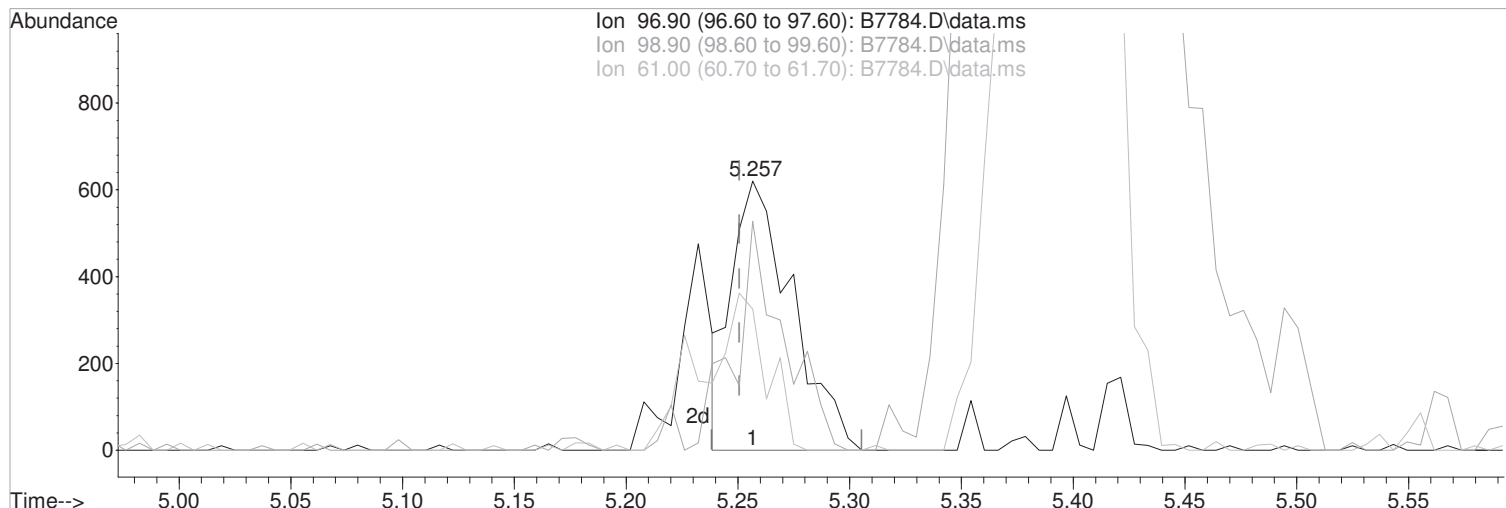
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

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

Manual Integration:

5.257min (+0.006) 0.35 ug/L

Before

response 1164

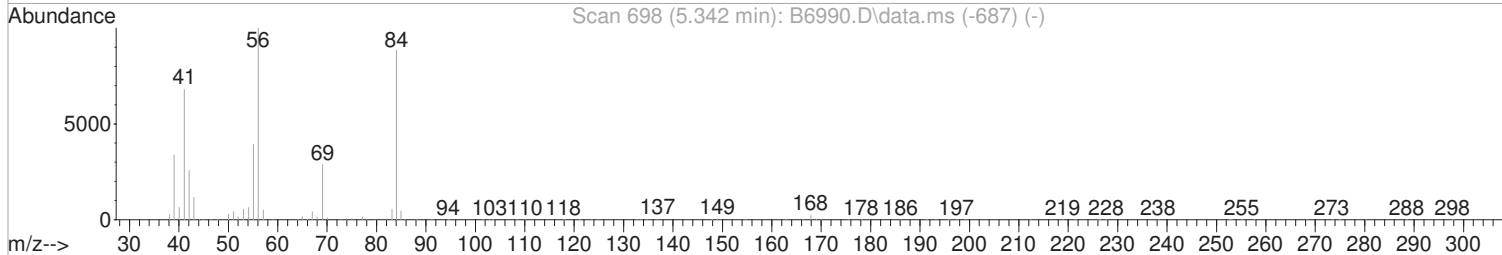
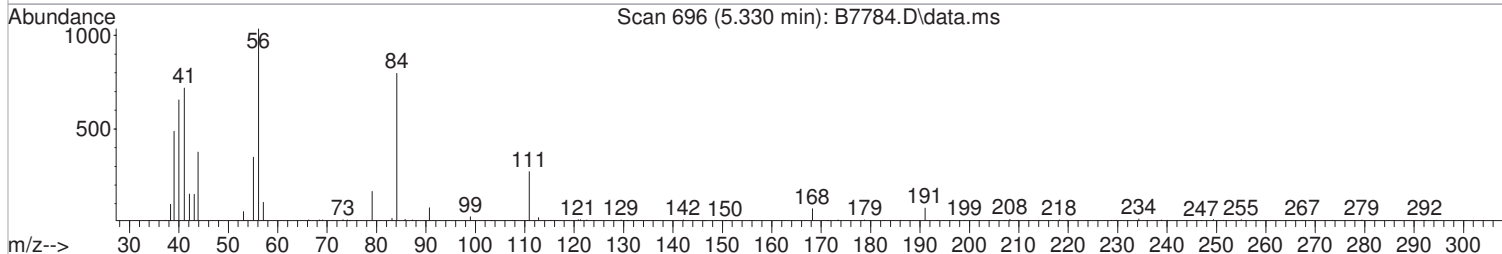
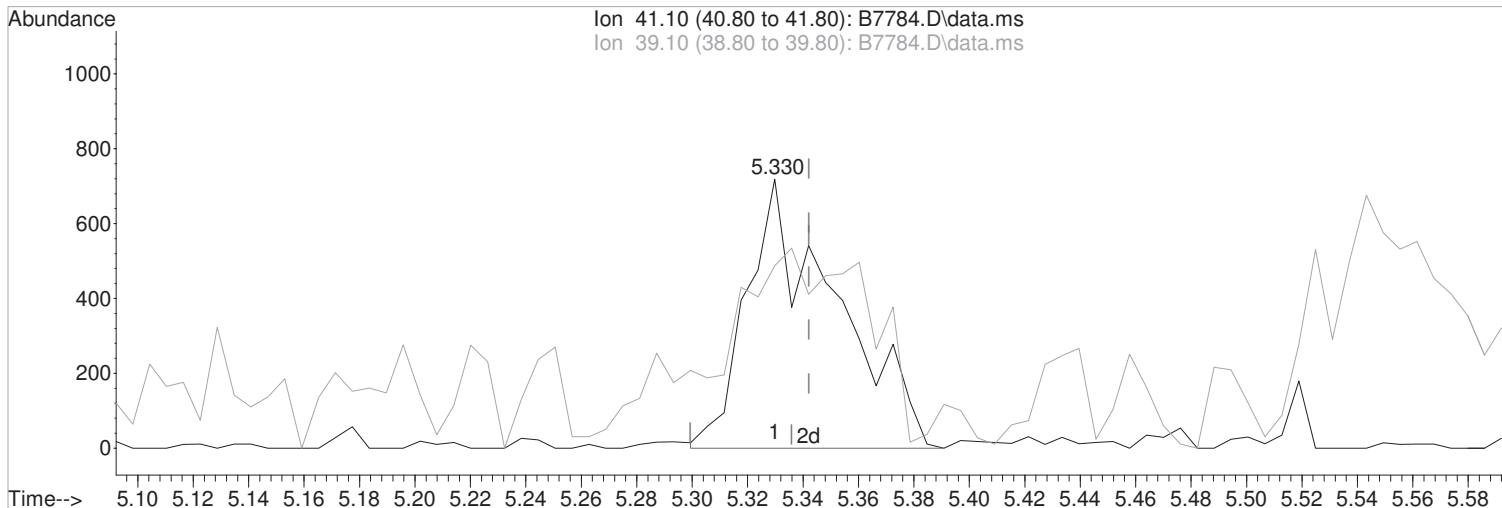
| Ion | Exp% | Act% |
|-------|-------|--------|
| 96.90 | 100 | 100 |
| 98.90 | 60.80 | 85.00# |
| 61.00 | 47.40 | 52.42 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(43) Cyclohexane (P)

5.330min (-0.012) 0.58 ug/L m
response 1599

| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.10 | 100 | 100 |
| 39.10 | 50.70 | 67.73 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

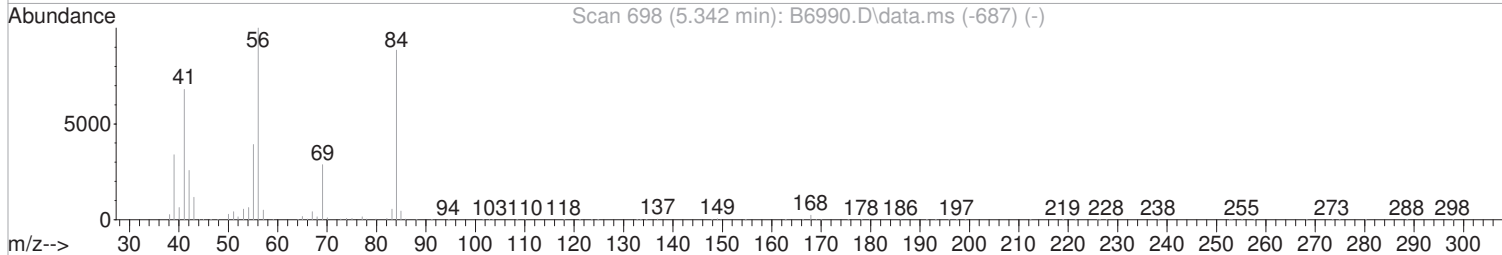
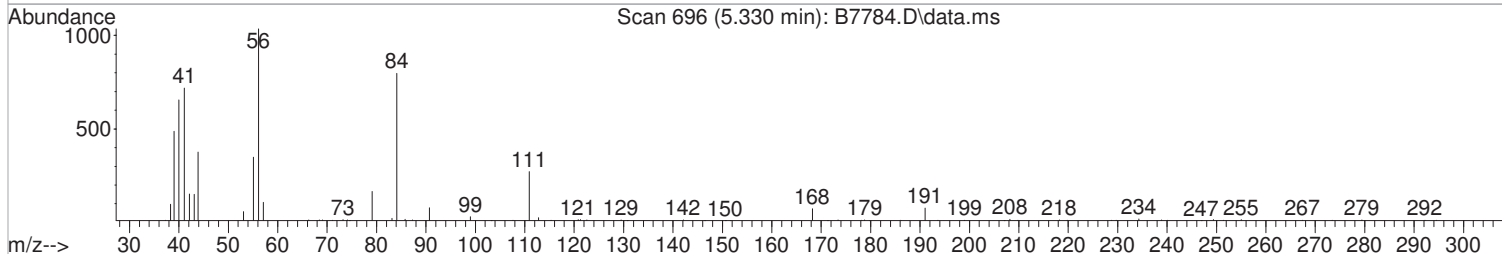
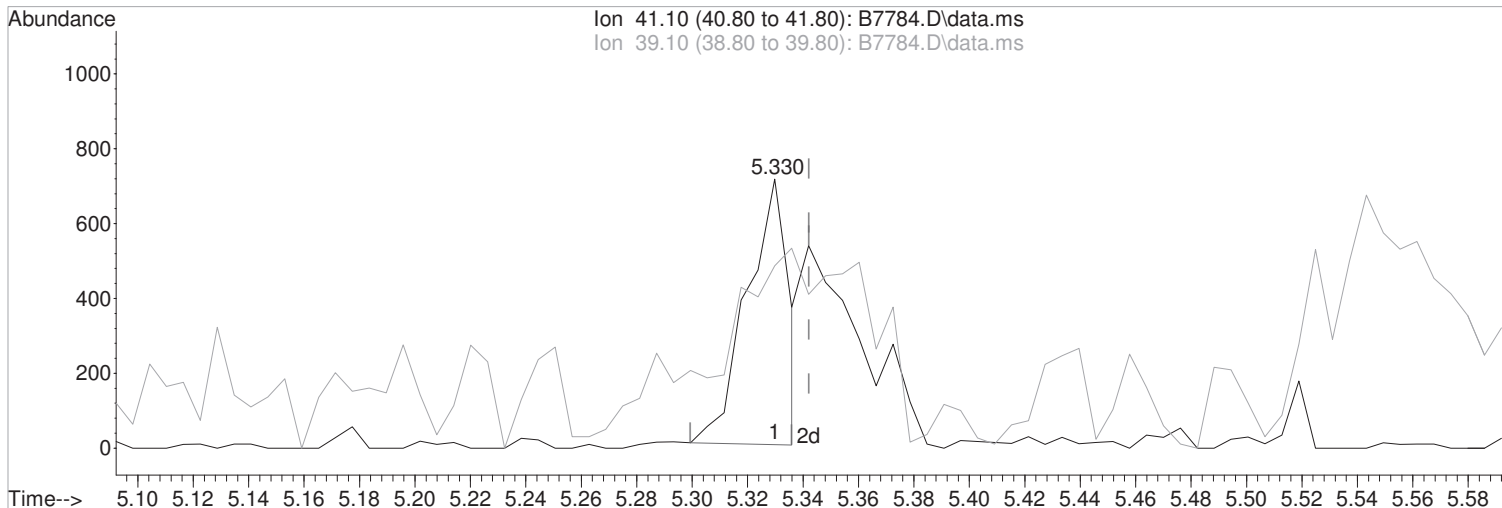
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(43) Cyclohexane (P)
5.330min (-0.012) 0.27 ug/L
response 751

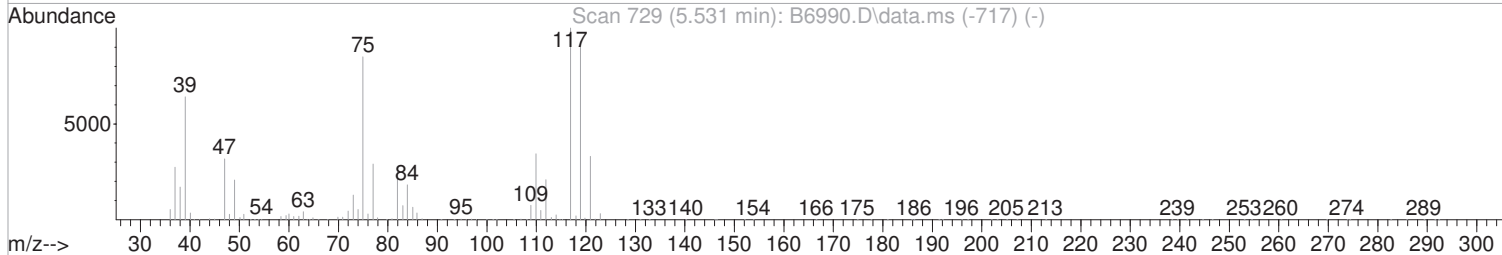
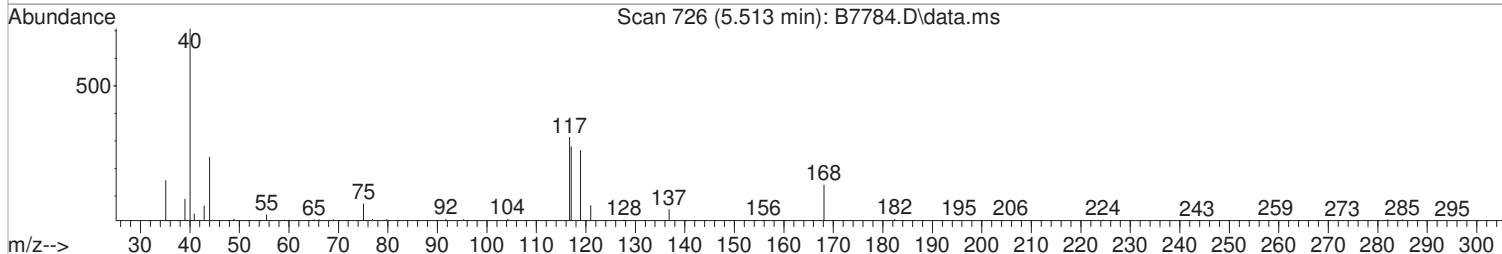
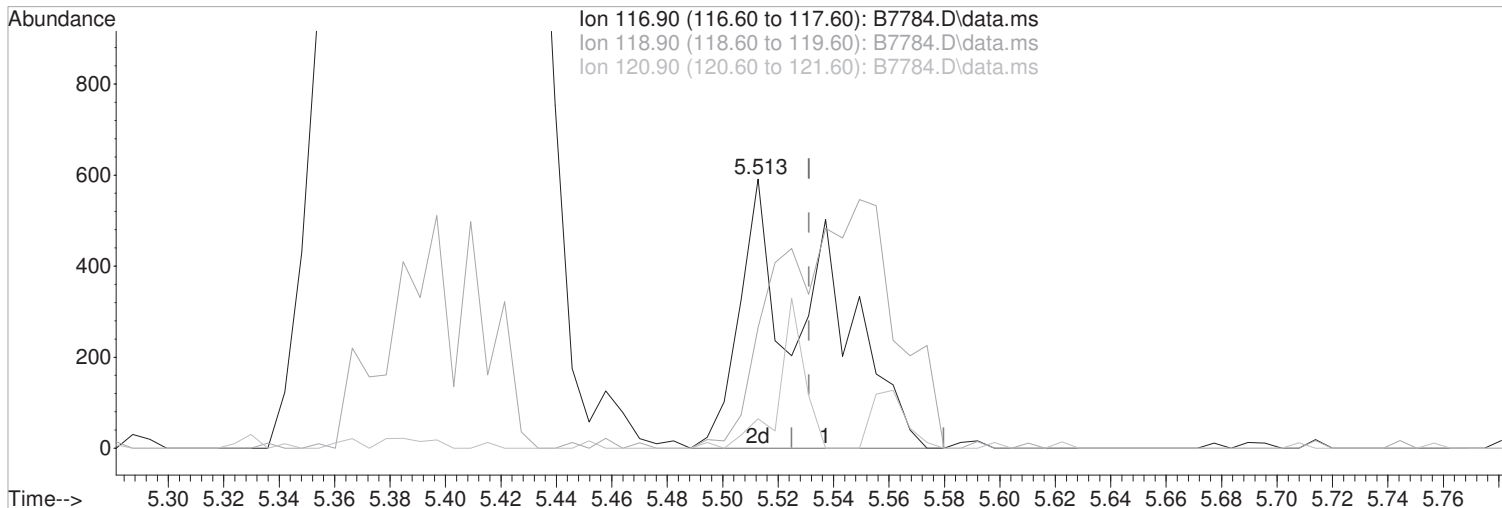
Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.10 | 100 | 100 |
| 39.10 | 50.70 | 67.73 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(45) Carbontetrachloride (P)

5.513min (-0.018) 0.41 ug/L m
response 1153

| Ion | Exp% | Act% |
|--------|-------|-------|
| 116.90 | 100 | 100 |
| 118.90 | 92.90 | 84.94 |
| 120.90 | 33.00 | 20.83 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

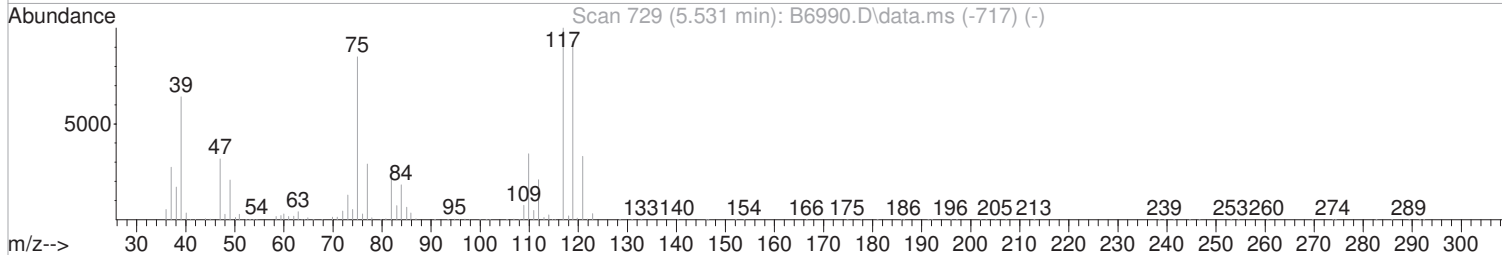
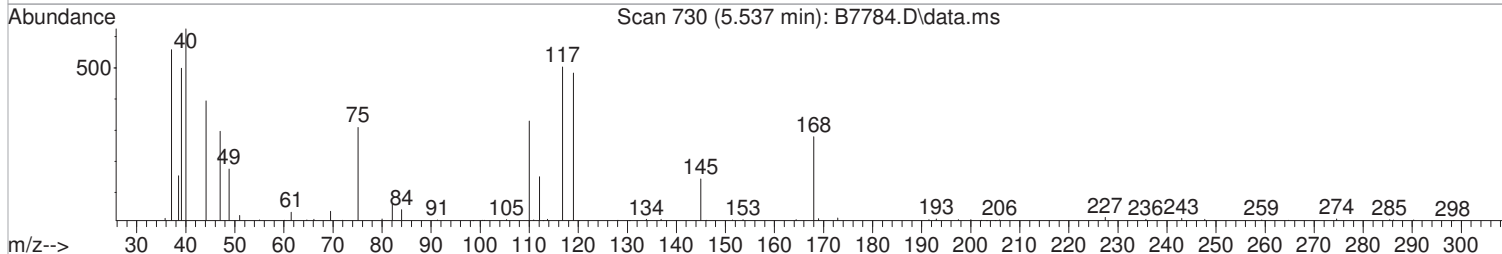
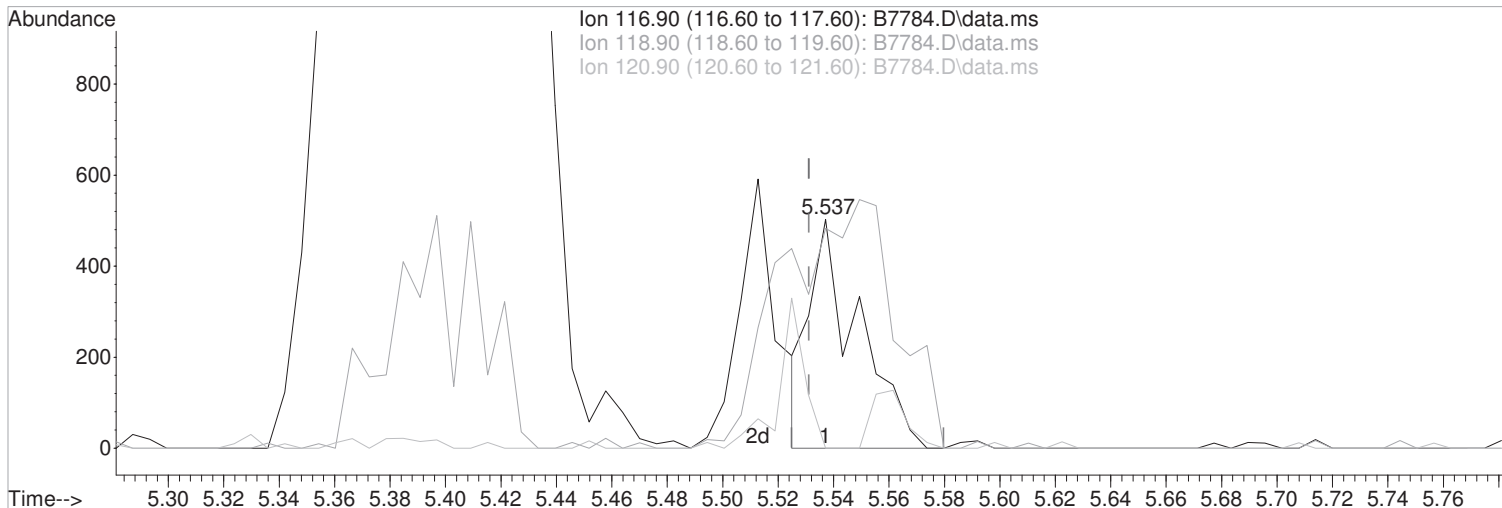
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(45) Carbontetrachloride (P)

Manual Integration:

5.537min (+0.006) 0.22 ug/L

Before

response 611

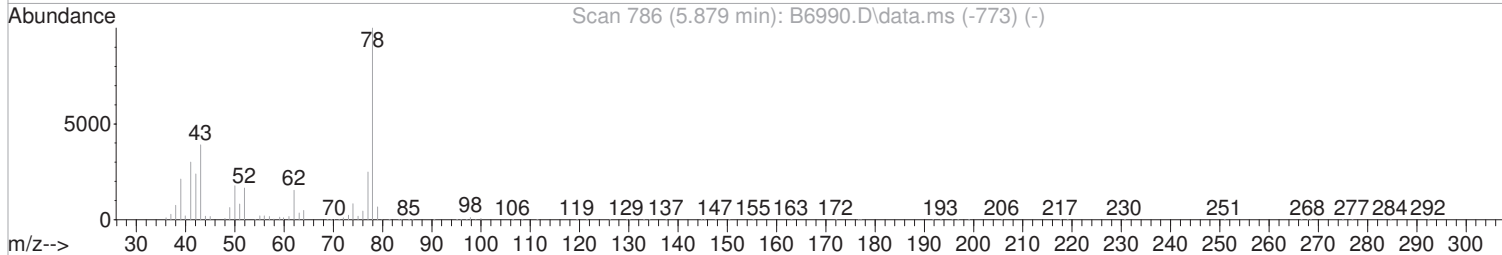
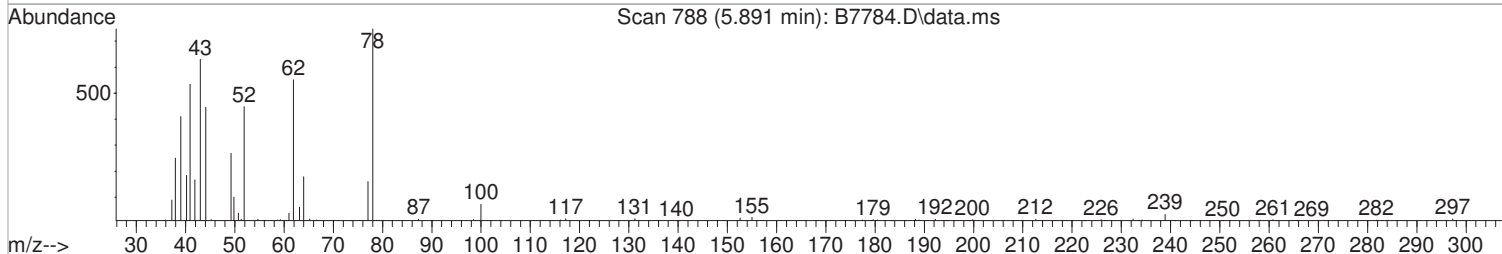
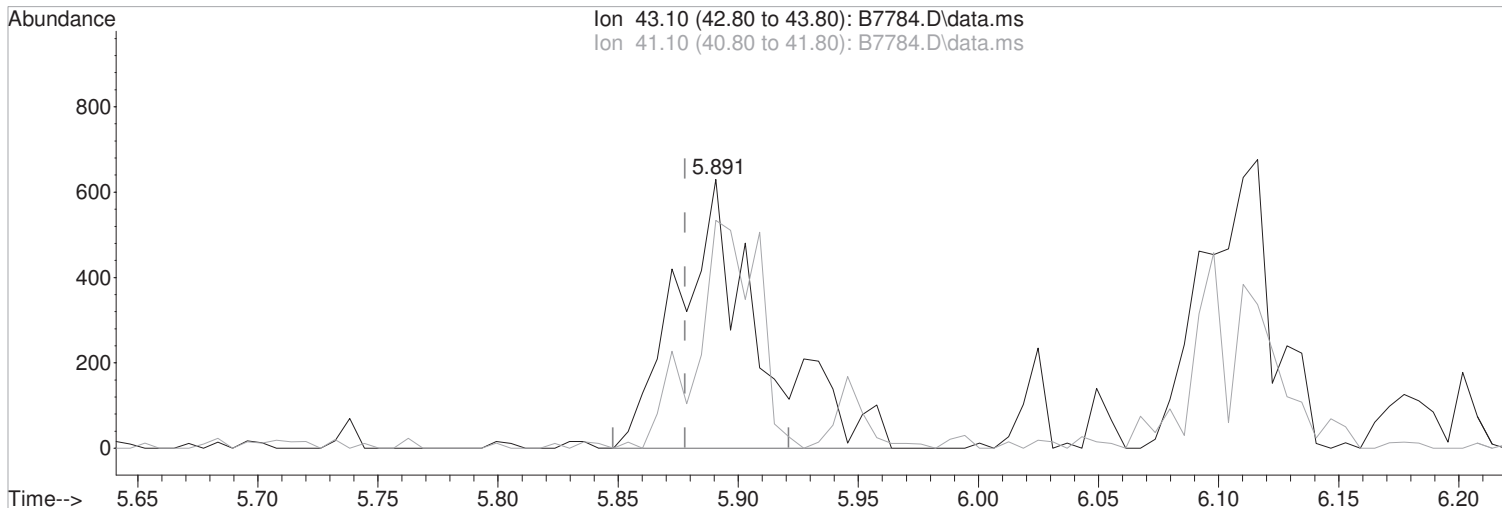
| Ion | Exp% | Act% |
|--------|-------|-------|
| 116.90 | 100 | 100 |
| 118.90 | 92.90 | 96.02 |
| 120.90 | 33.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(50) Iso-Butyl Alcohol
5.891min (+0.013) 10.93 ug/L m
response 1511

Manual Integration:
After
Poor integration.

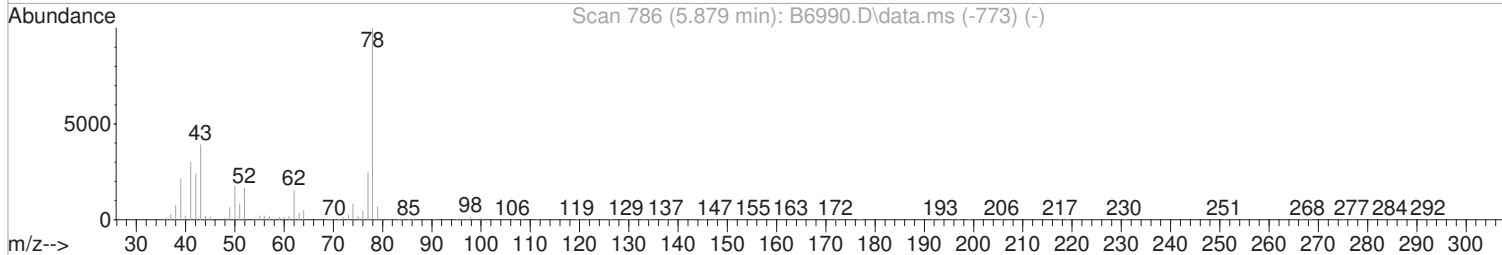
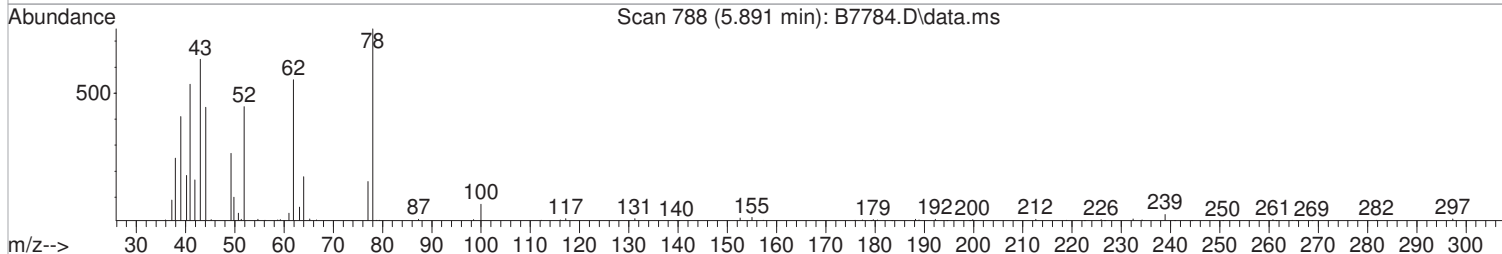
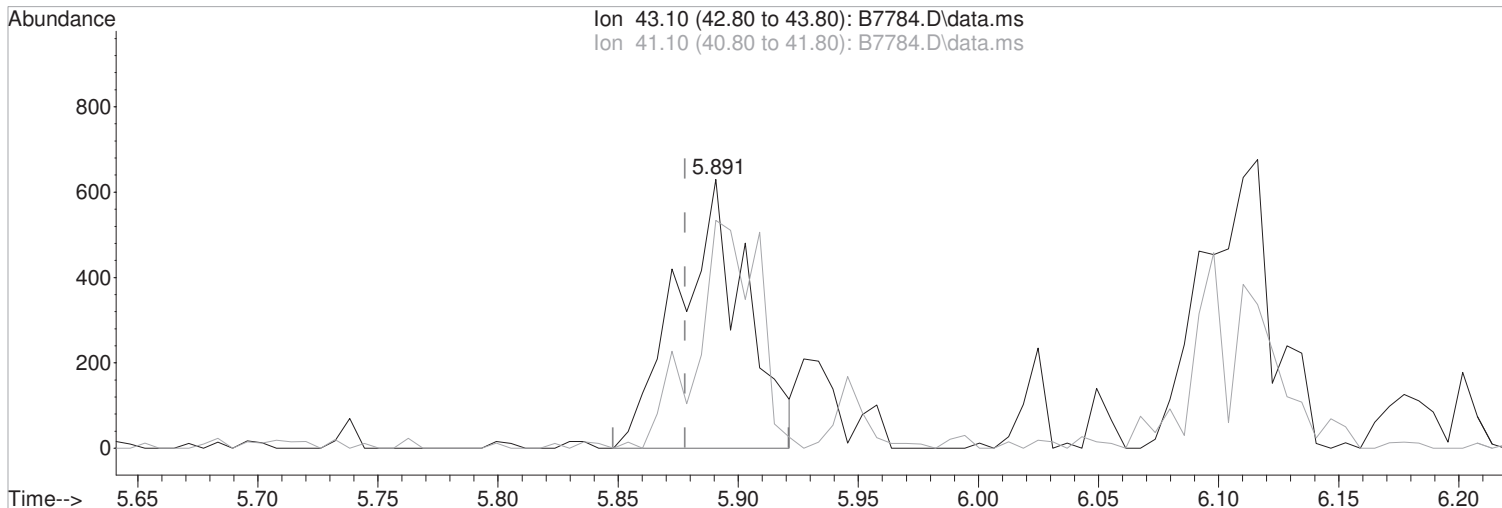
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 41.10 | 77.10 | 84.76 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(50) Iso-Butyl Alcohol
5.891min (+0.013) 8.95 ug/L
response 1238

Manual Integration:
Before

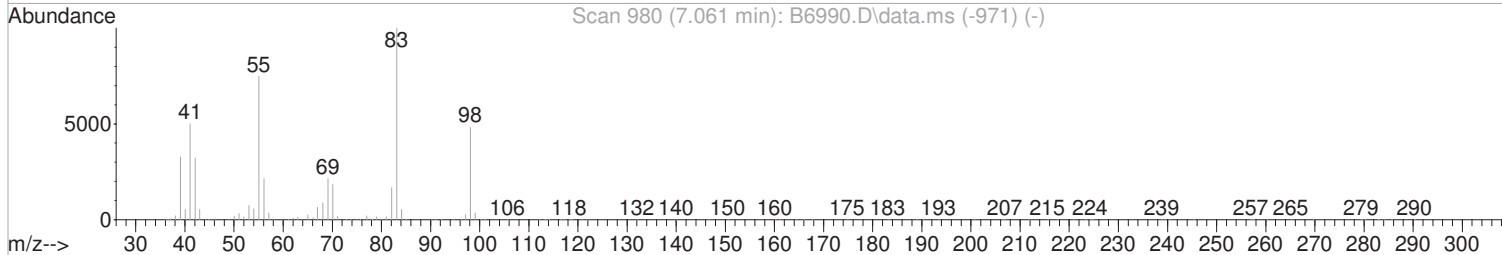
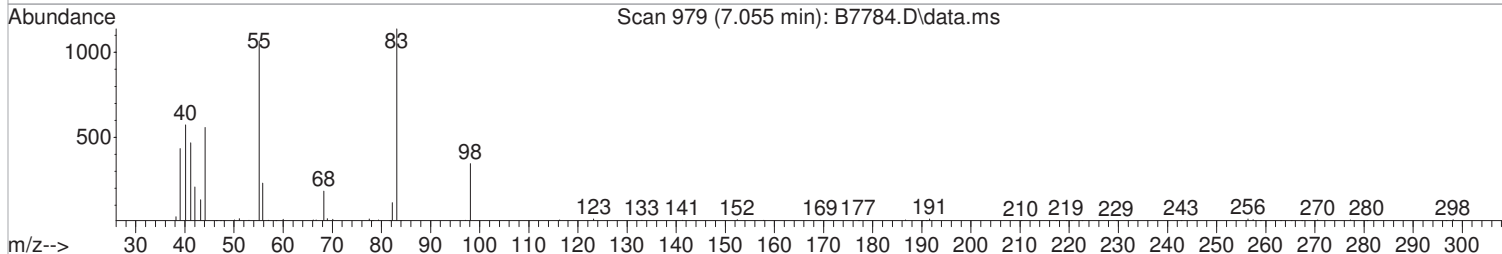
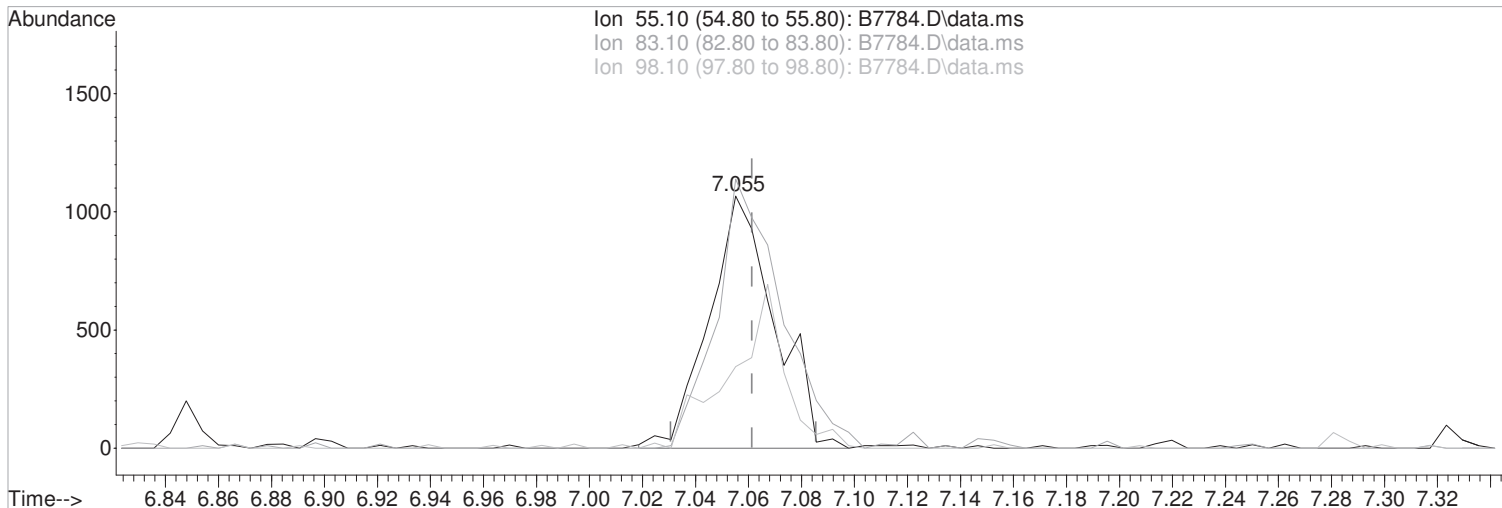
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 41.10 | 77.10 | 84.76 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(55) Methylcyclohexane (P)
7.055min (-0.006) 0.58 ug/L m
response 1841

Manual Integration:
After
Poor integration.

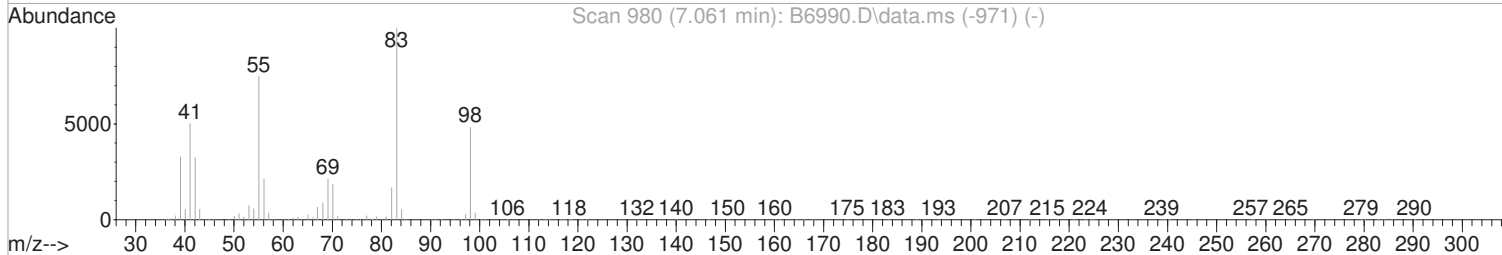
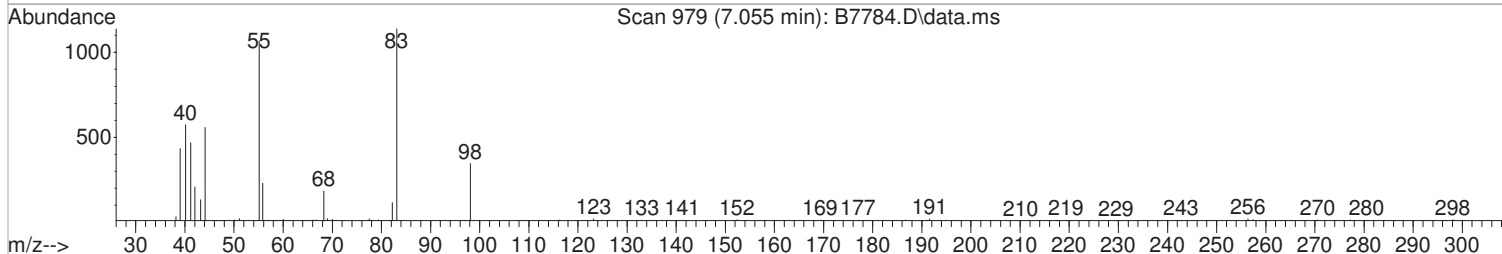
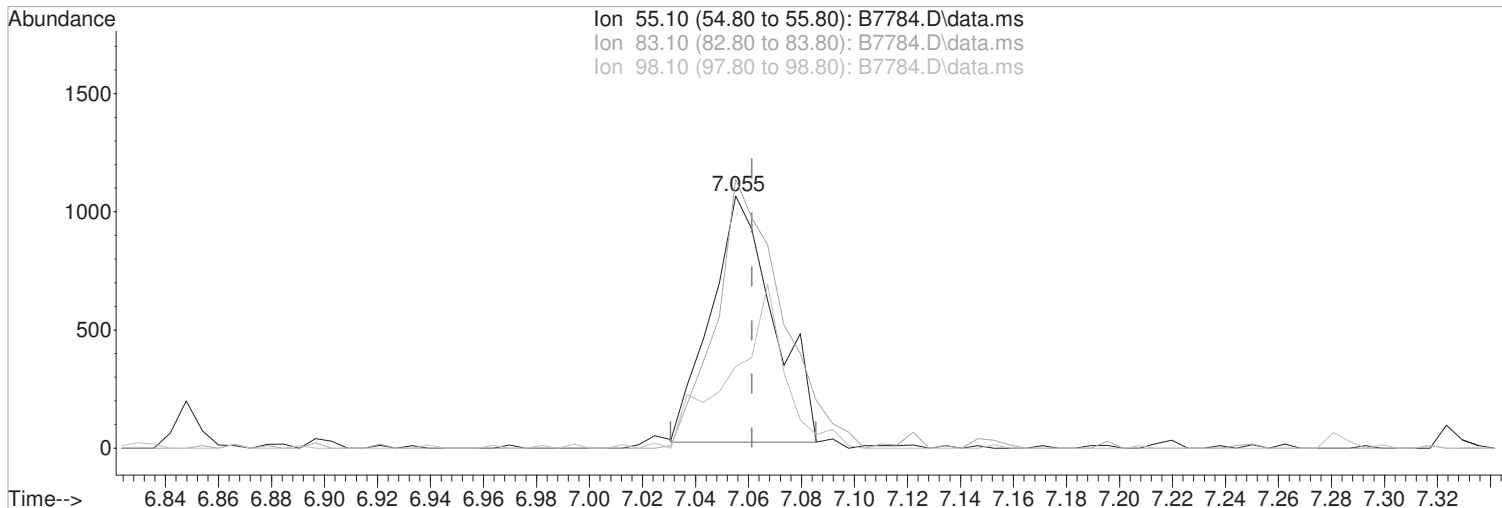
| Ion | Exp% | Act% |
|-------|--------|---------|
| 55.10 | 100 | 100 |
| 83.10 | 133.20 | 106.65# |
| 98.10 | 64.10 | 32.33# |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(55) Methylcyclohexane (P)
7.055min (-0.006) 0.54 ug/L
response 1712

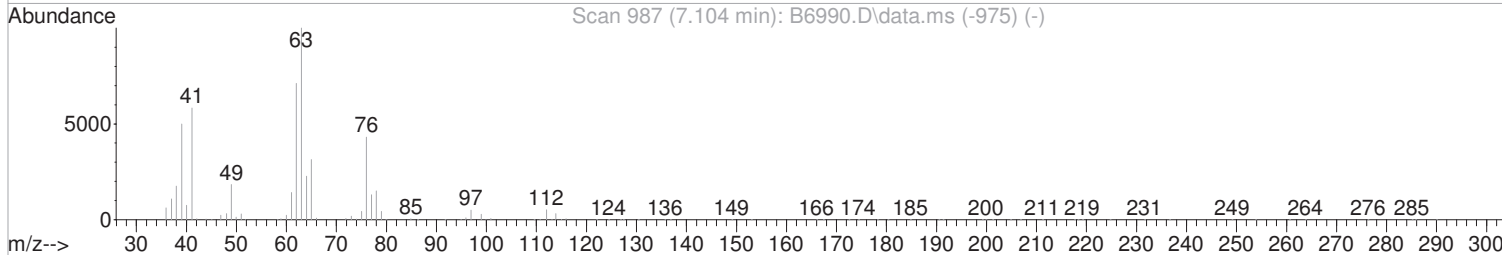
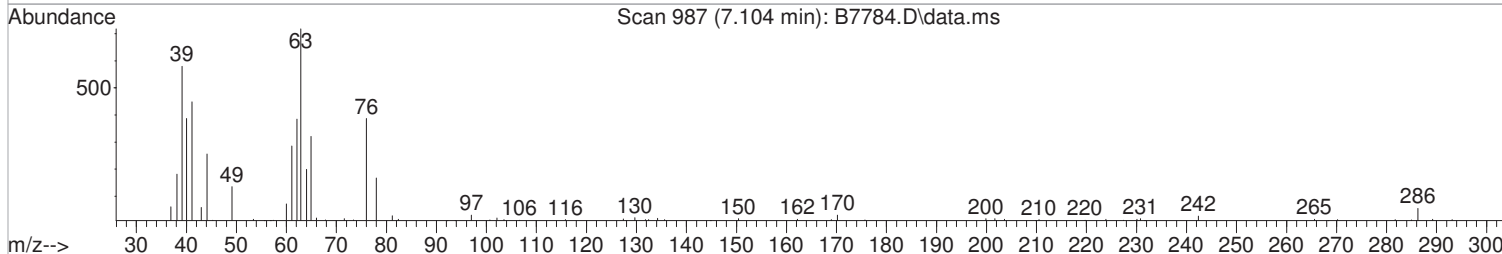
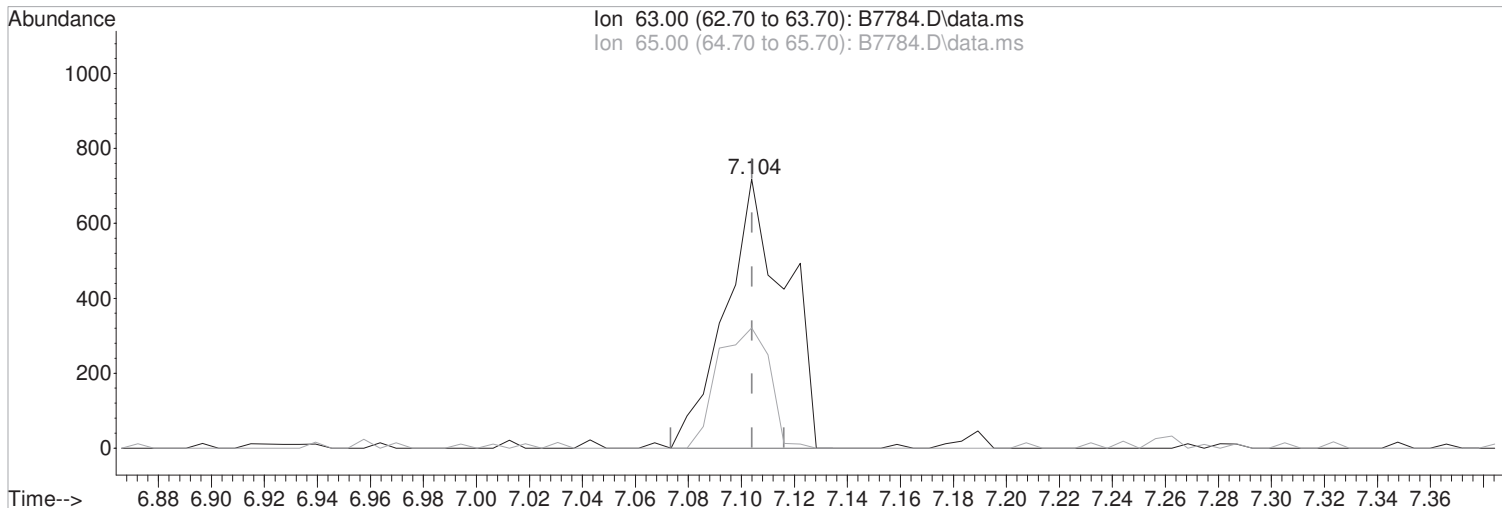
Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|--------|--------|
| 55.10 | 100 | 100 |
| 83.10 | 133.20 | 87.74# |
| 98.10 | 64.10 | 26.60# |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(56) 1,2-Dicloropropane (P)
7.104min (-0.000) 0.44 ug/L m
response 1133

Manual Integration:
After
Poor integration.

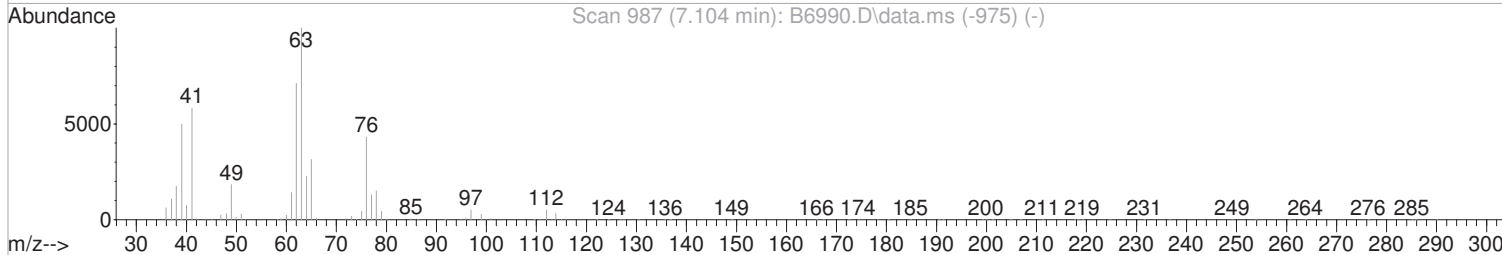
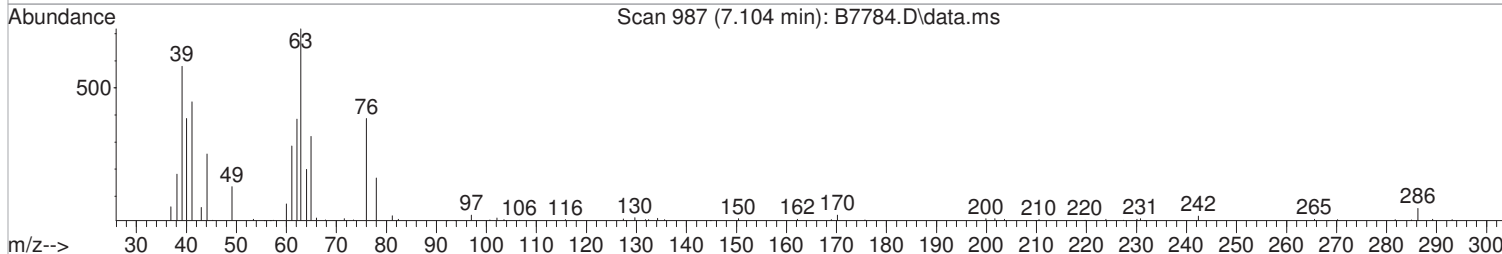
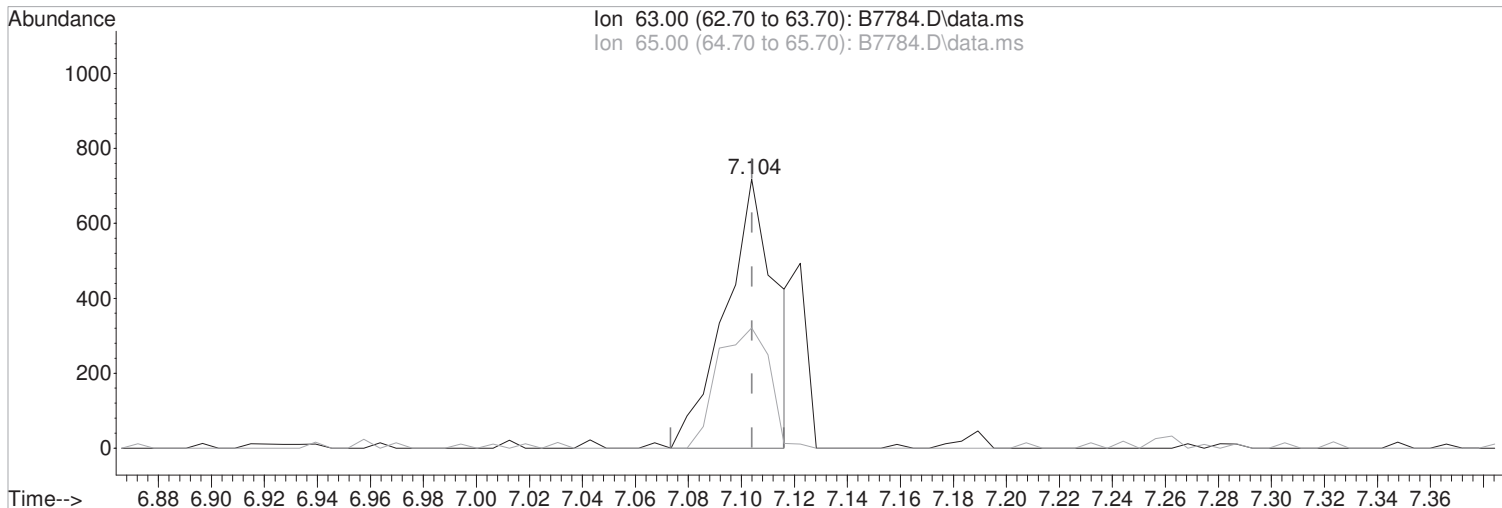
| Ion | Exp% | Act% |
|-------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 31.70 | 44.71 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(56) 1,2-Dicloropropane (P)
7.104min (-0.000) 0.37 ug/L
response 953

Manual Integration:
Before

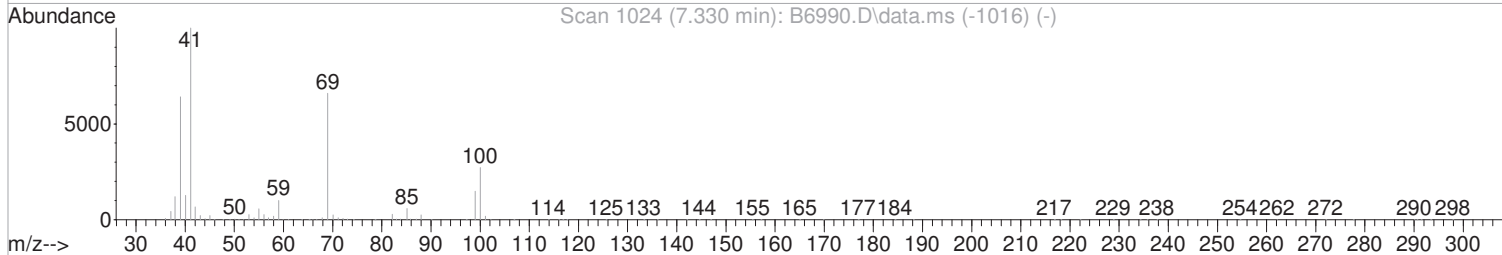
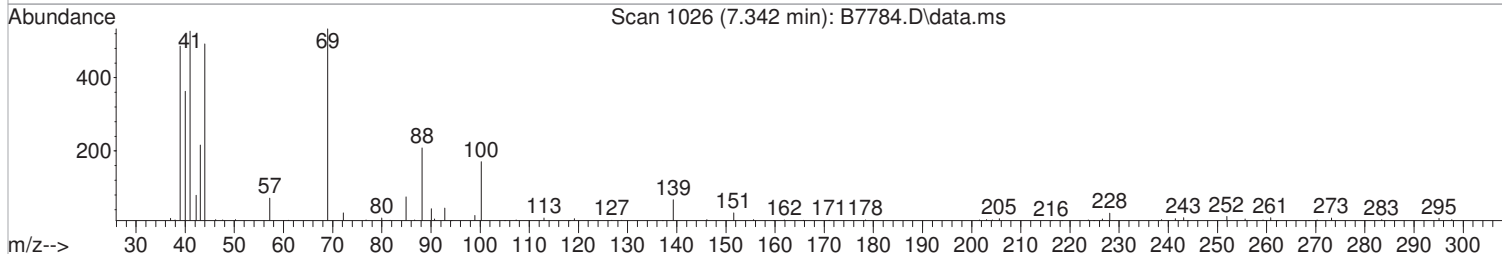
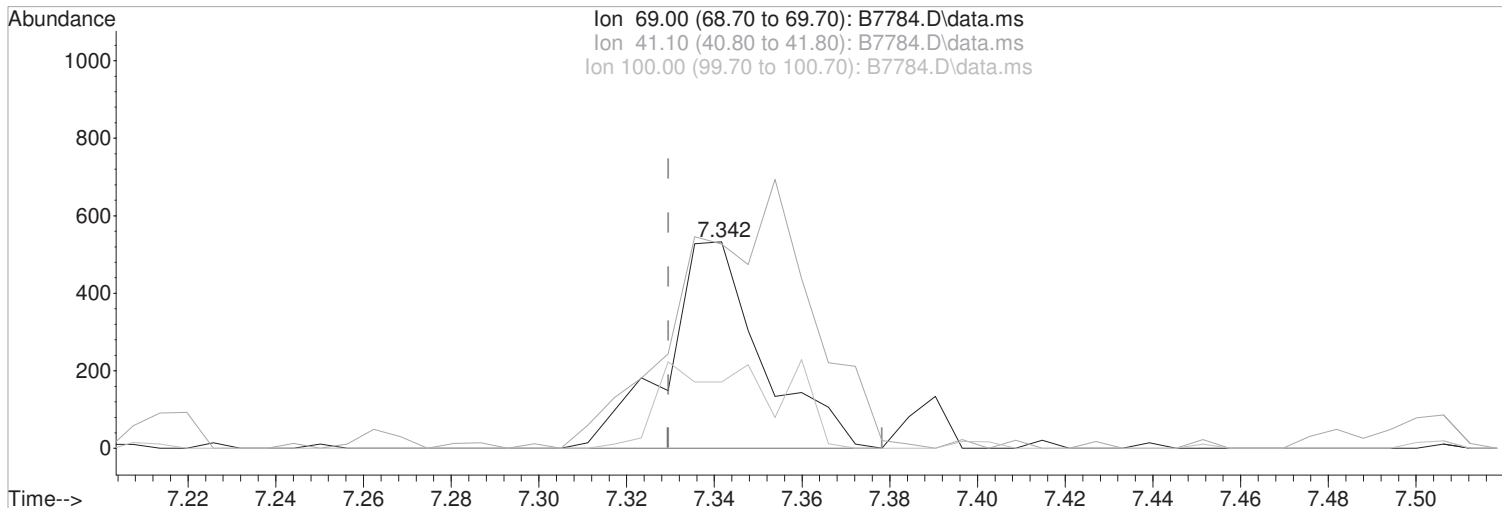
| Ion | Exp% | Act% |
|-------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 31.70 | 44.71 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

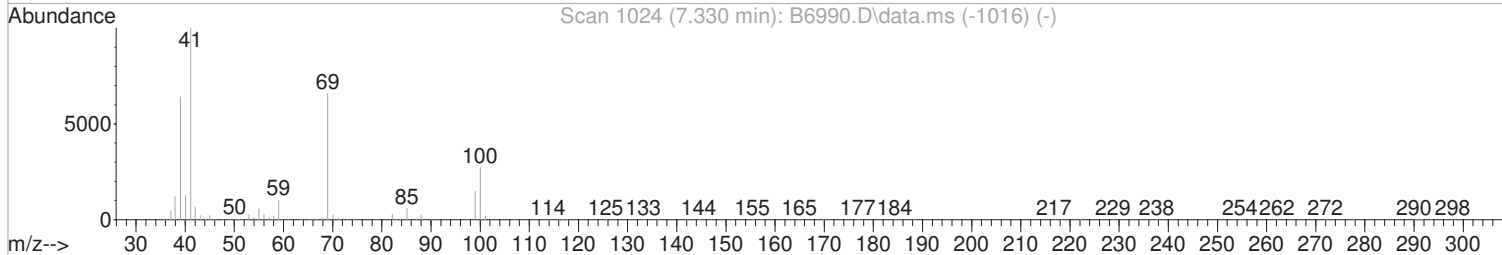
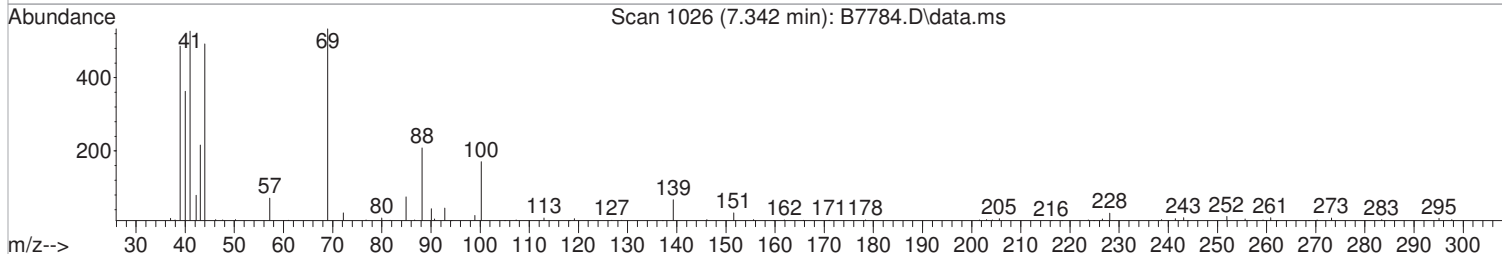
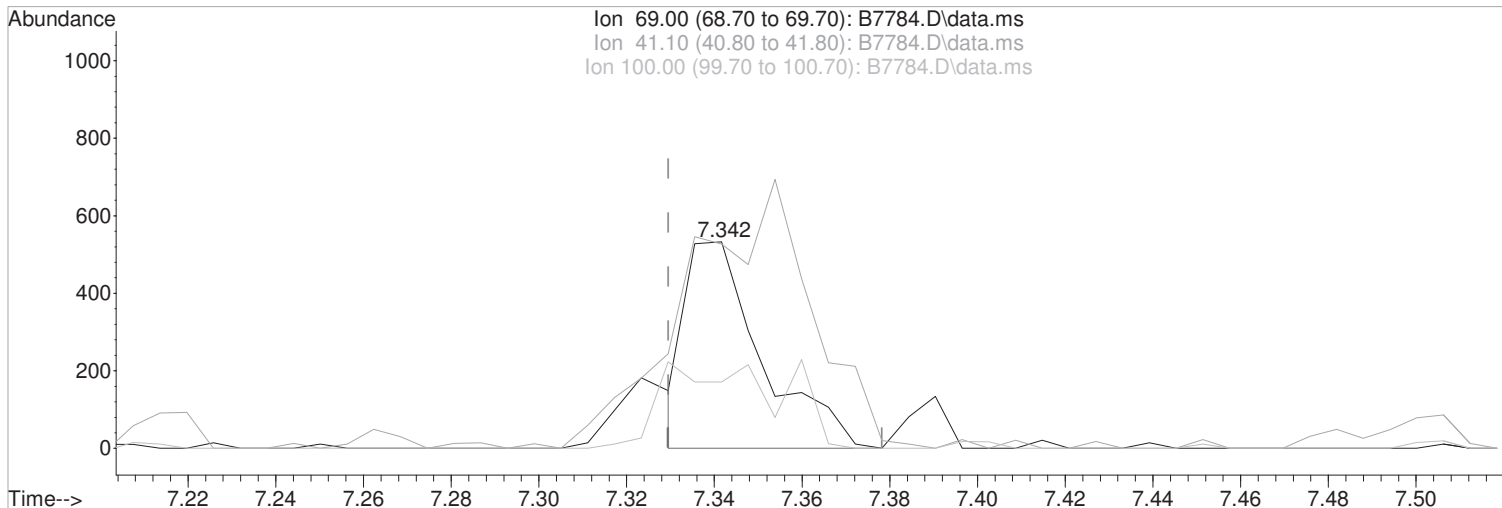
(59) Methyl Methacrylate
7.342min (+0.012) 0.47 ug/L m
response 806
Ion Exp% Act%
69.00 100 100
41.10 153.00 98.87#
100.00 41.30 32.08
0.00 0.00 0.00

Manual Integration:
After
Poor integration.
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(59) Methyl Methacrylate
7.342min (+0.012) 0.38 ug/L
response 644

Manual Integration:
Before

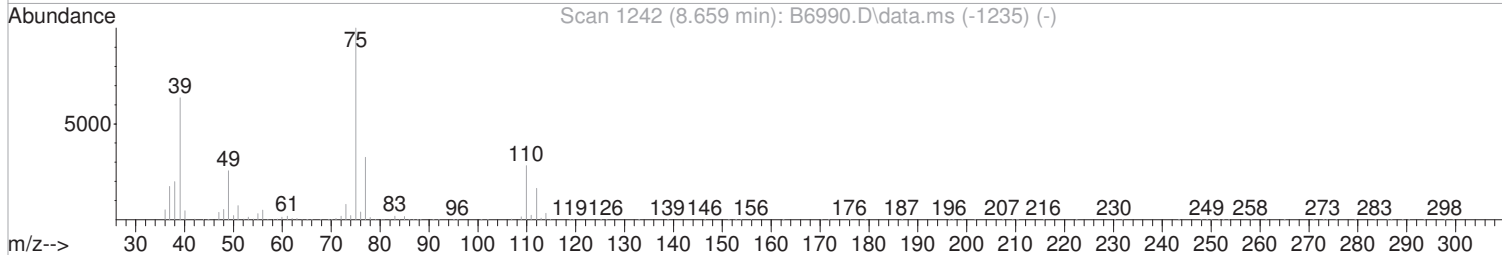
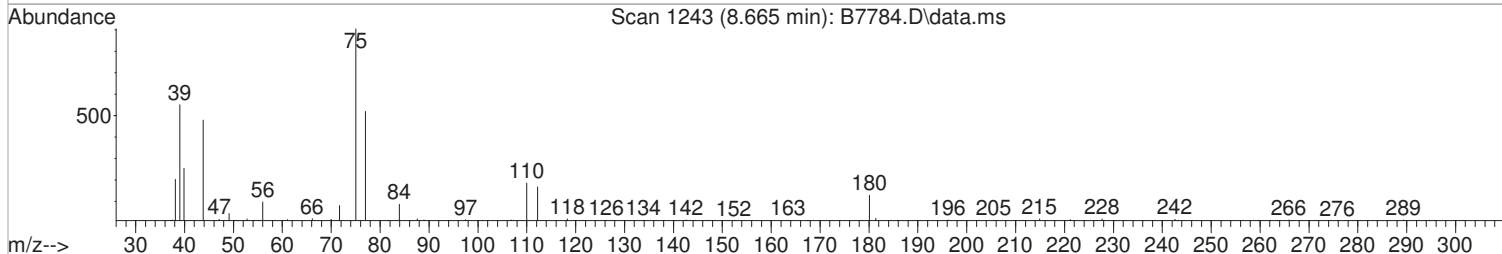
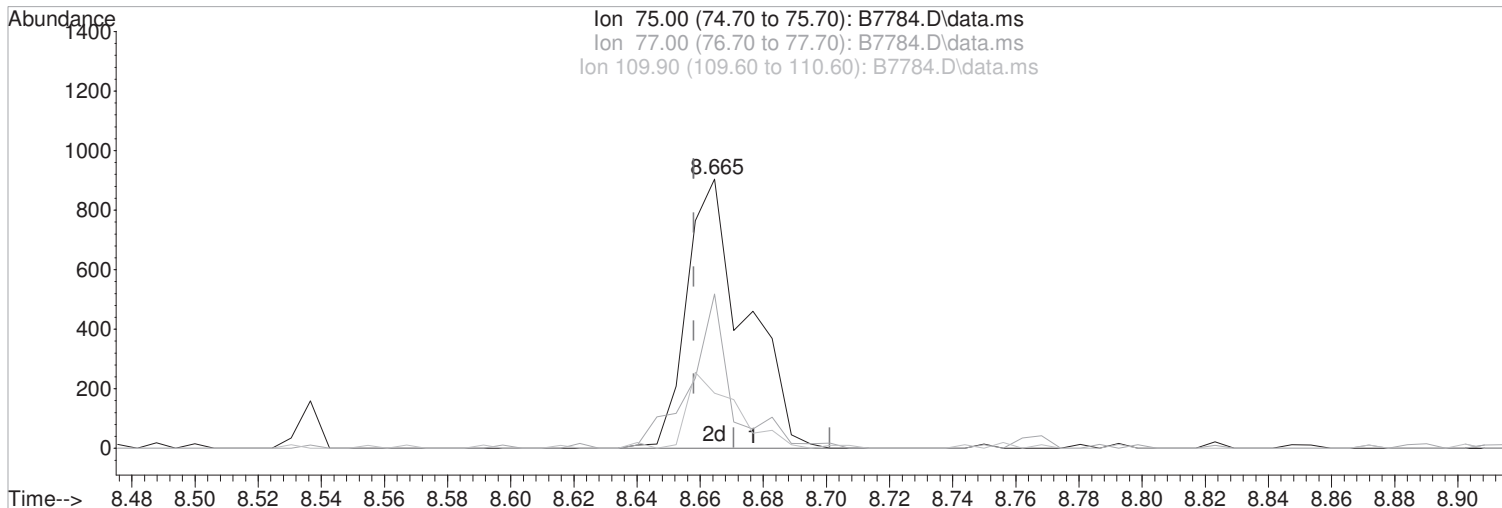
| Ion | Exp% | Act% |
|--------|--------|--------|
| 69.00 | 100 | 100 |
| 41.10 | 153.00 | 98.87# |
| 100.00 | 41.30 | 32.08 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(67) trans-1,3-Dichloropropene (P)

8.665min (+0.007) 0.49 ug/L m

response 1166

| Ion | Exp% | Act% |
|--------|-------|--------|
| 75.00 | 100 | 100 |
| 77.00 | 32.60 | 57.41# |
| 109.90 | 28.20 | 20.46 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

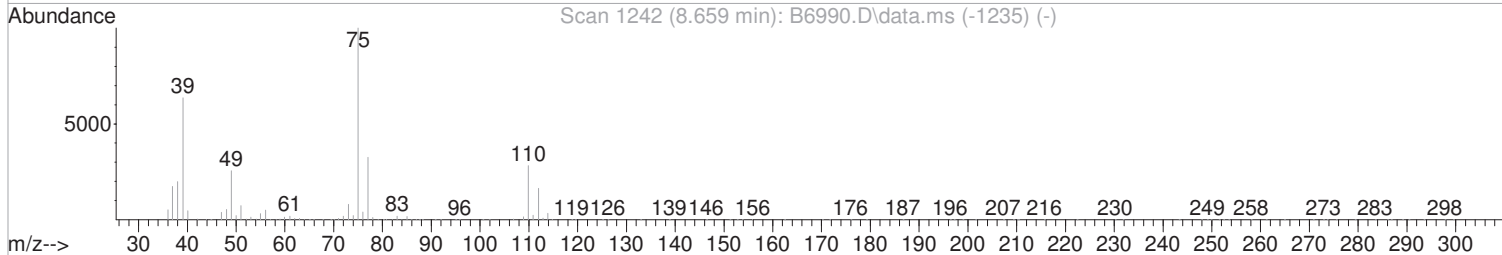
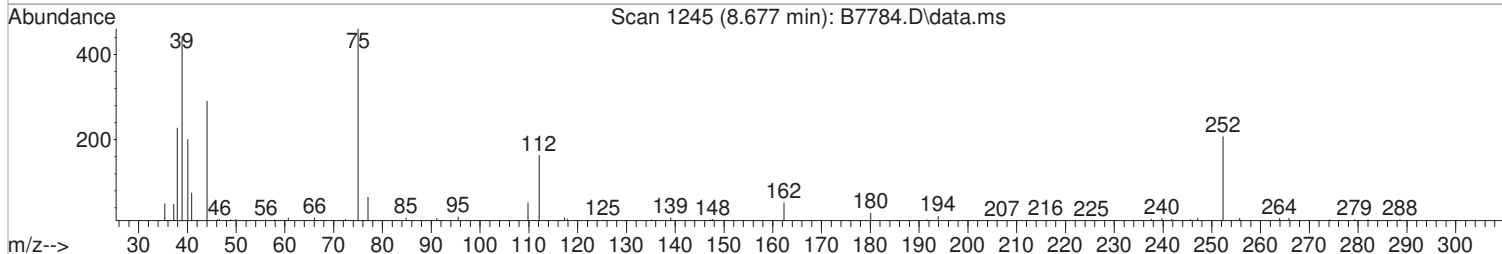
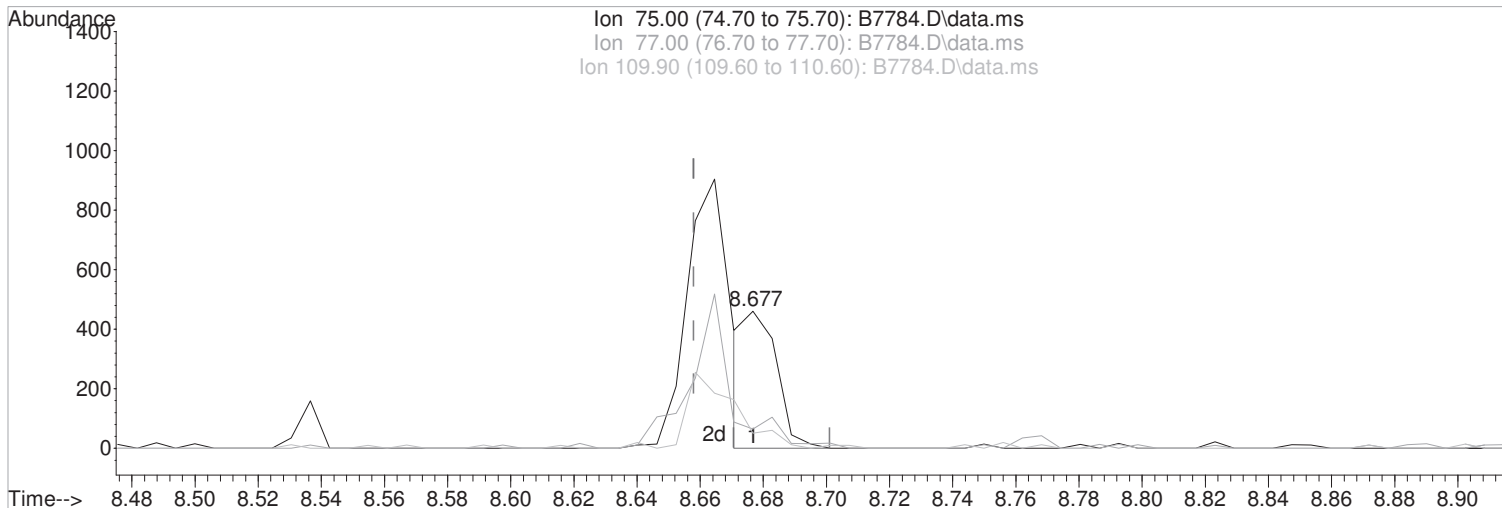
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(67) trans-1,3-Dichloropropene (P)

Manual Integration:

8.677min (+0.019) 0.14 ug/L

Before

response 325

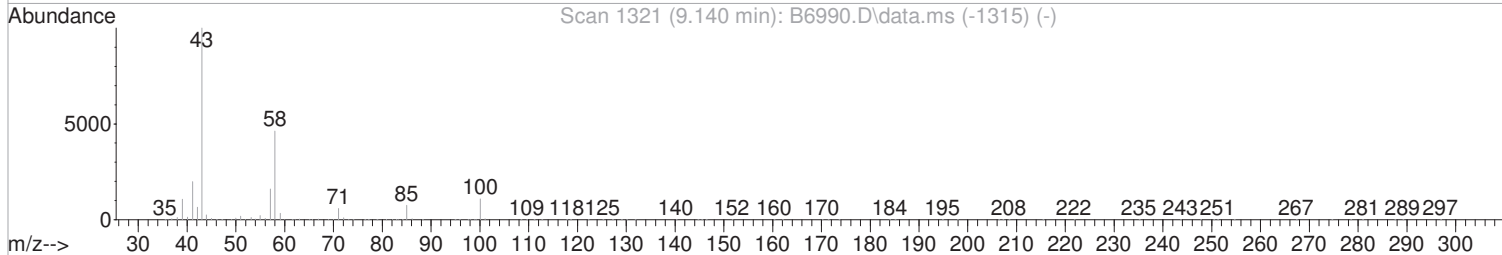
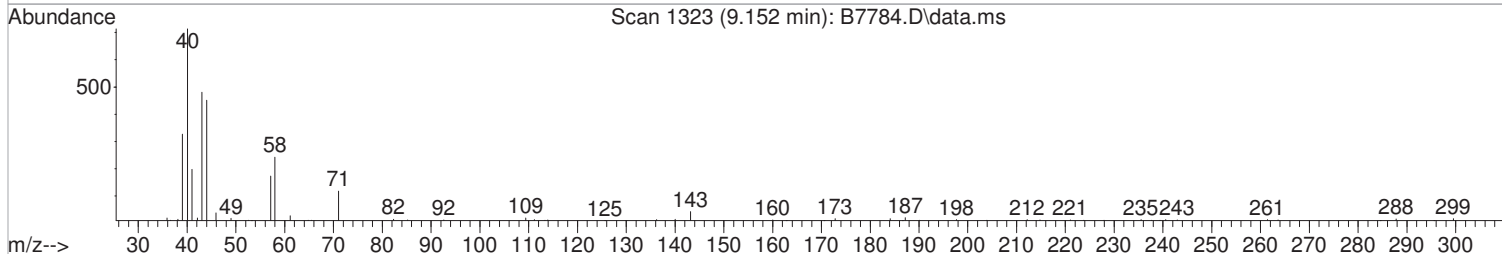
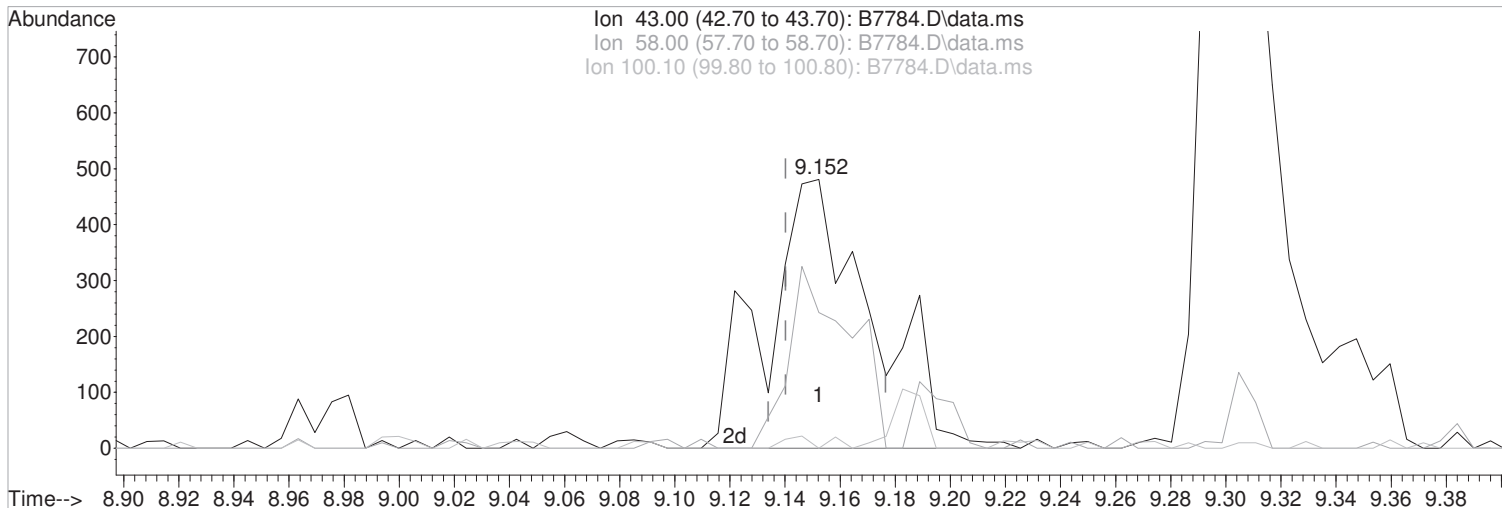
| Ion | Exp% | Act% |
|--------|-------|-------|
| 75.00 | 100 | 100 |
| 77.00 | 32.60 | 14.13 |
| 109.90 | 28.20 | 11.09 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(73) 2-Hexanone (P)
9.152min (+0.012) 0.51 ug/L m
response 1284

Manual Integration:
After
Poor integration.

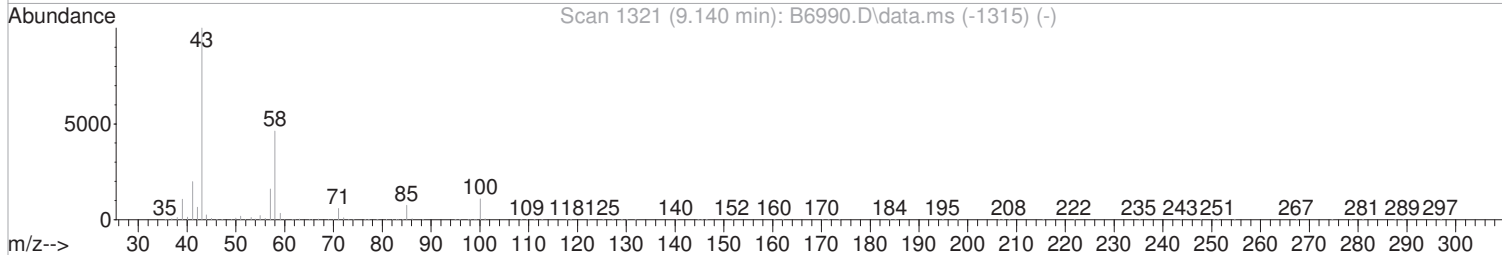
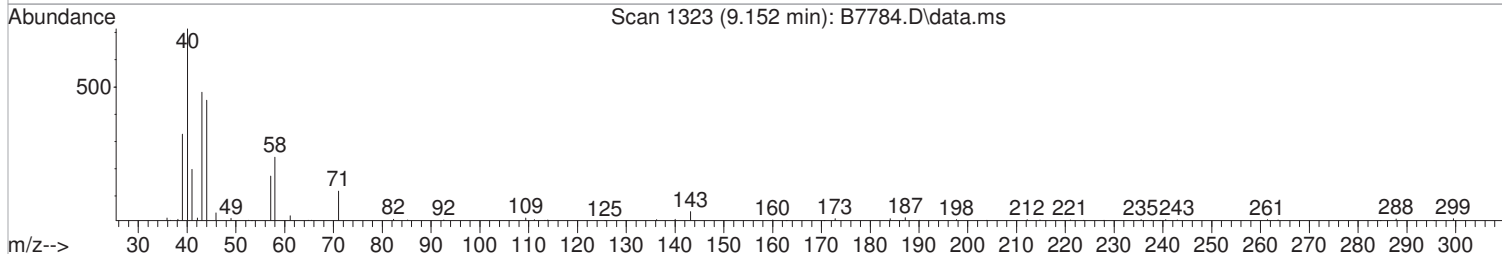
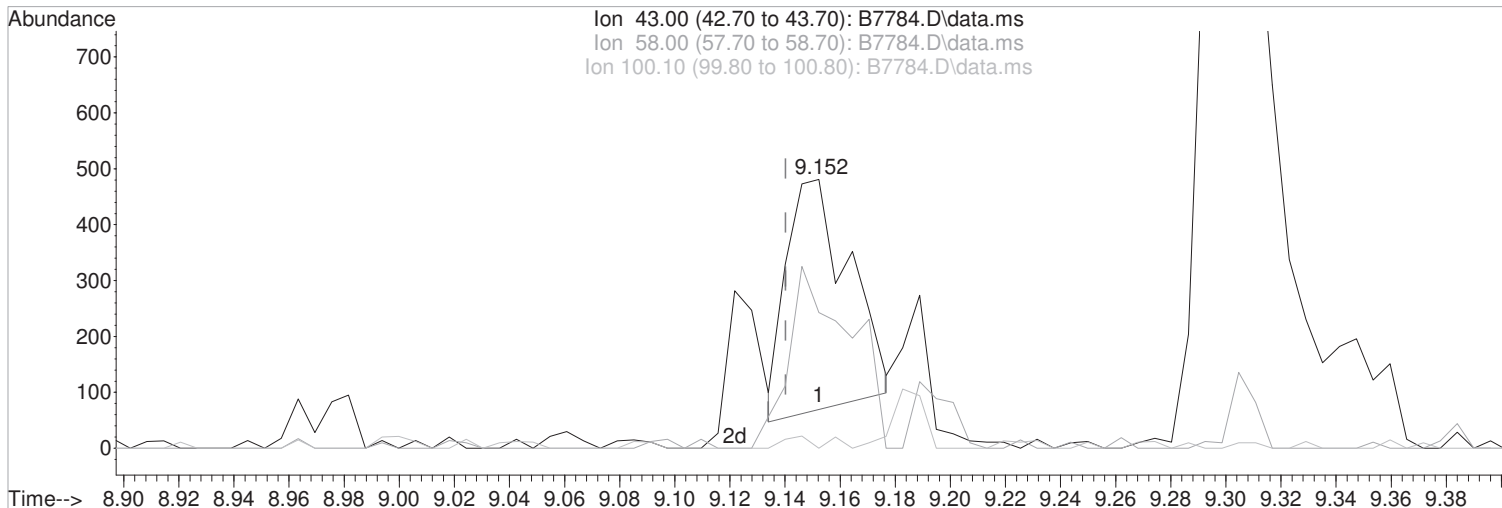
| Ion | Exp% | Act% |
|--------|-------|-------|
| 43.00 | 100 | 100 |
| 58.00 | 46.10 | 50.52 |
| 100.10 | 10.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(73) 2-Hexanone (P)
9.152min (+0.012) 0.26 ug/L
response 657

Manual Integration:
Before

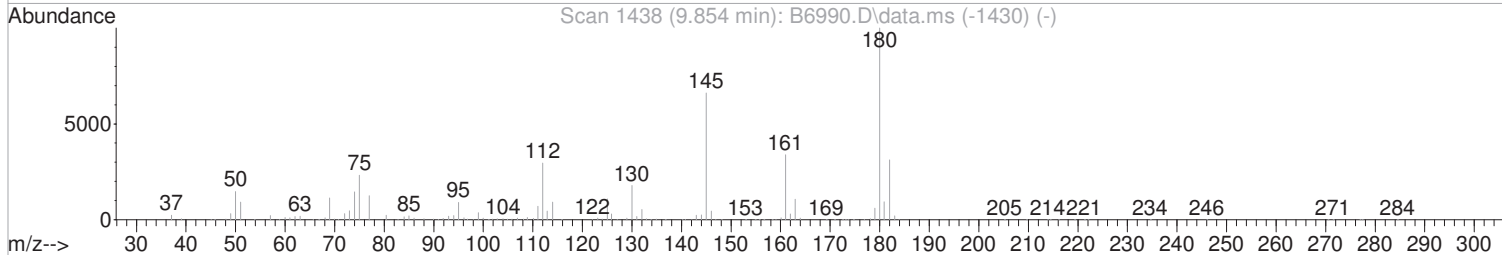
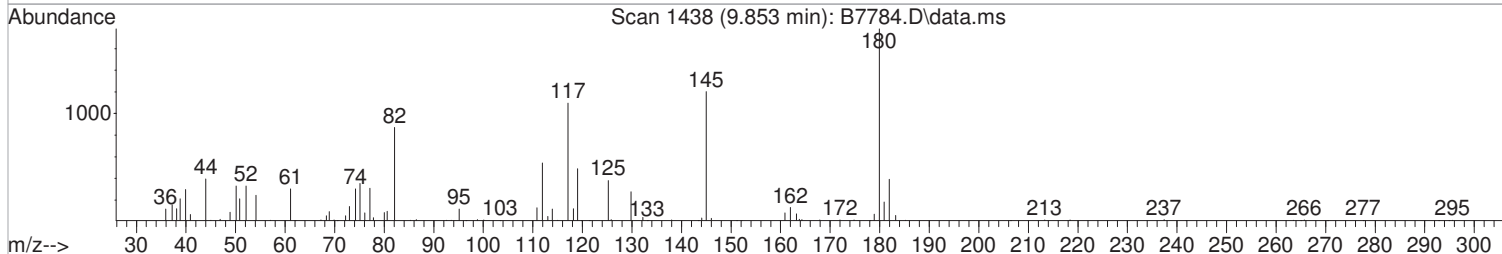
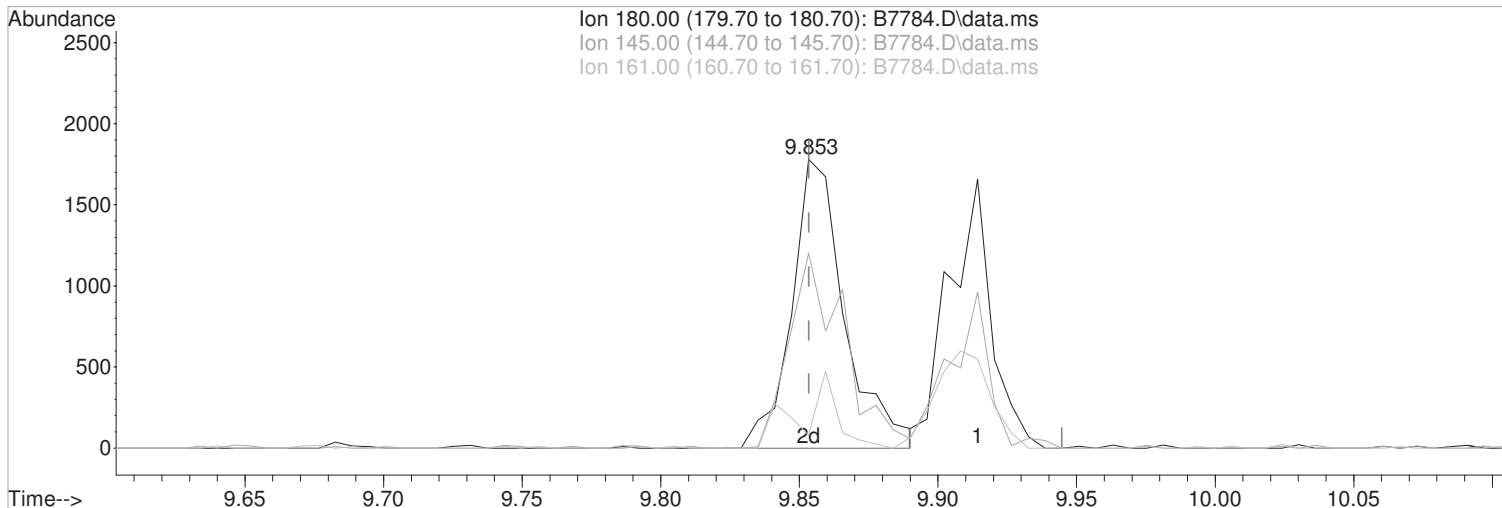
| Ion | Exp% | Act% |
|--------|-------|-------|
| 43.00 | 100 | 100 |
| 58.00 | 46.10 | 50.52 |
| 100.10 | 10.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(78) 3-Chlorobenzotrifluoride

9.853min (-0.000) 0.57 ug/L m
response 2371

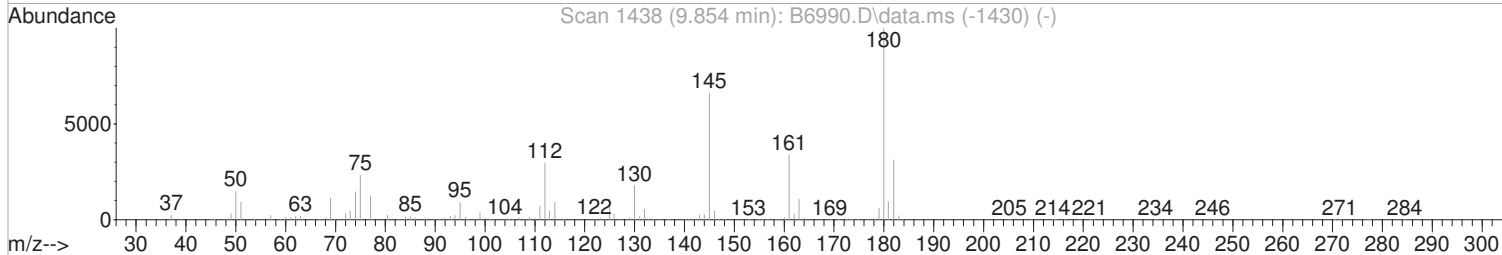
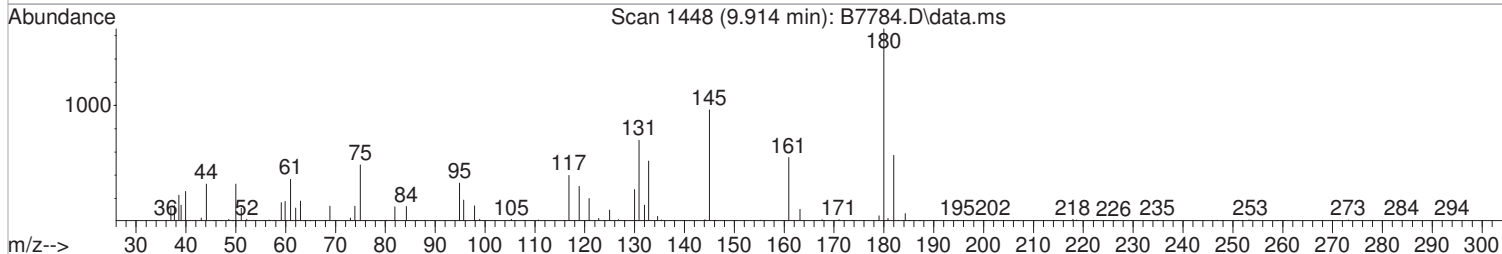
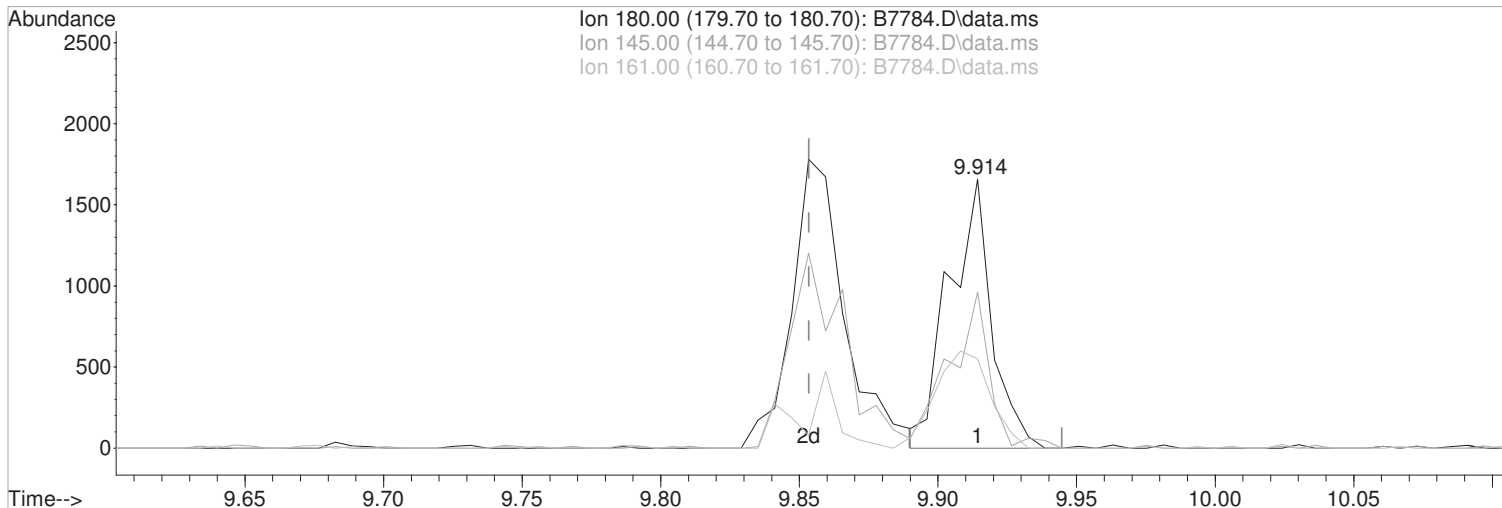
| Ion | Exp% | Act% |
|--------|-------|-------|
| 180.00 | 100 | 100 |
| 145.00 | 66.20 | 67.51 |
| 161.00 | 33.90 | 4.49# |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Wrong peak selected.
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(78) 3-Chlorobenzotrifluoride

Manual Integration:

9.914min (+0.061) 0.42 ug/L

Before

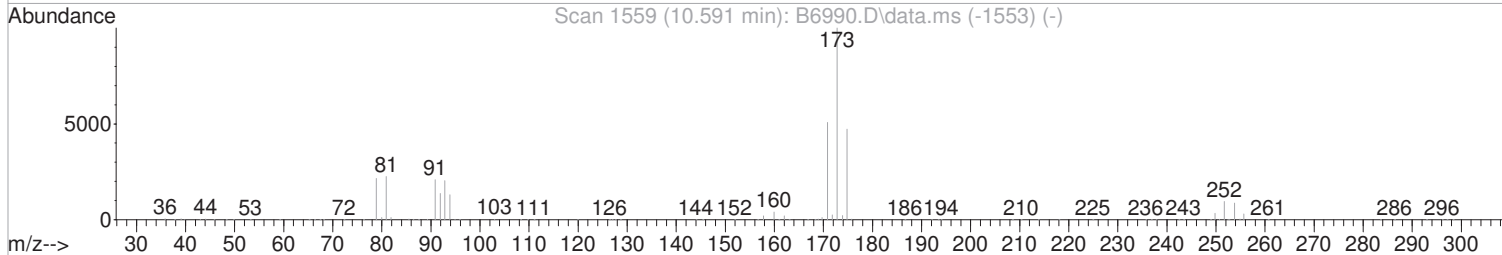
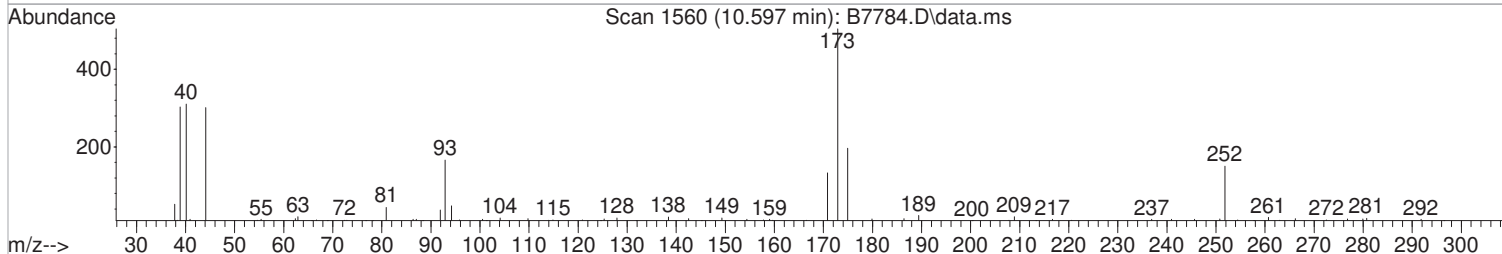
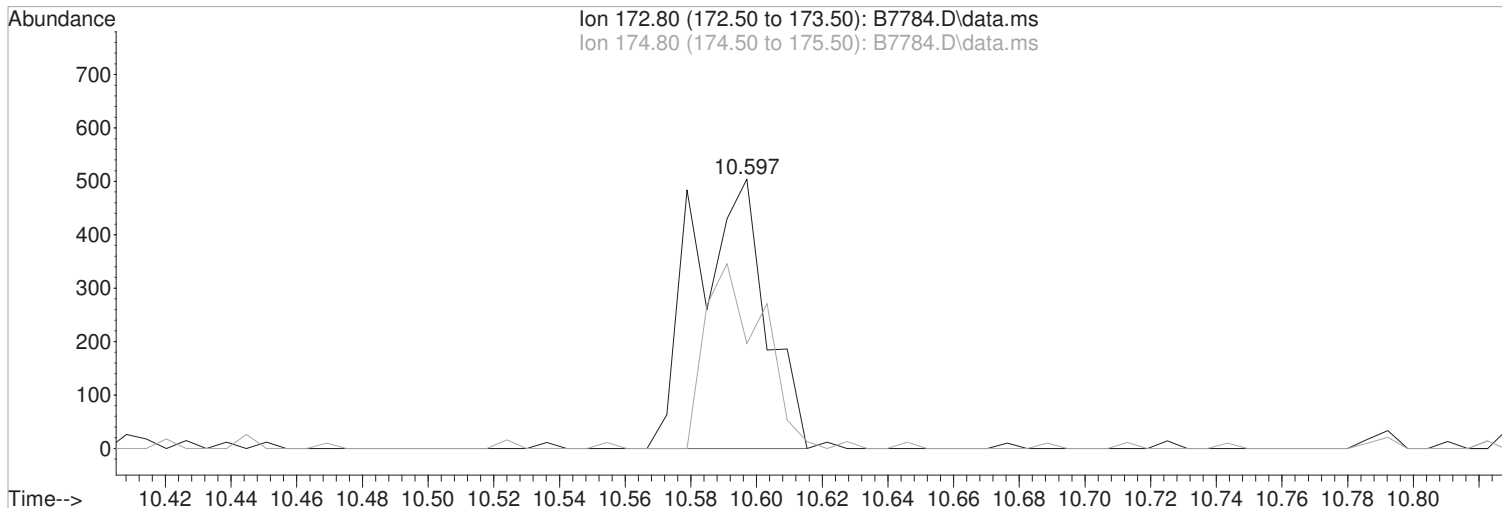
response 1755

| Ion | Exp% | Act% |
|--------|-------|-------|
| 180.00 | 100 | 100 |
| 145.00 | 66.20 | 58.02 |
| 161.00 | 33.90 | 33.23 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(86) Bromoform (P)

10.597min (+0.006) 0.45 ug/L m
response 772

| Ion | Exp% | Act% |
|--------|-------|-------|
| 172.80 | 100 | 100 |
| 174.80 | 47.30 | 38.89 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

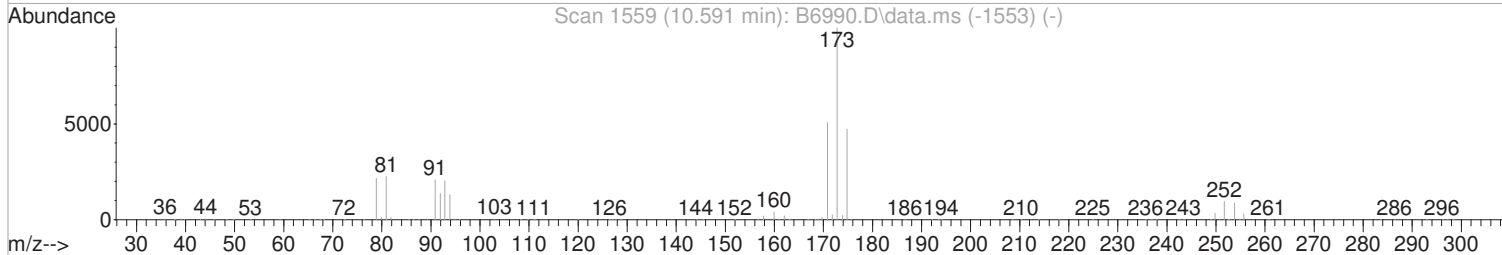
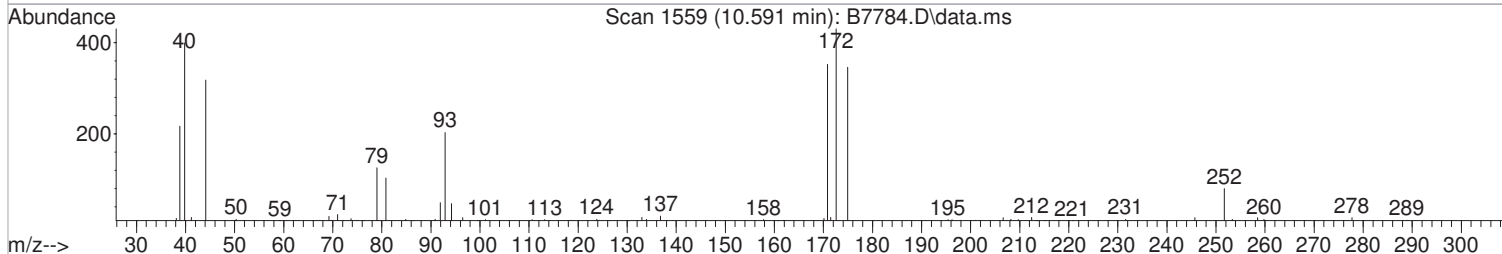
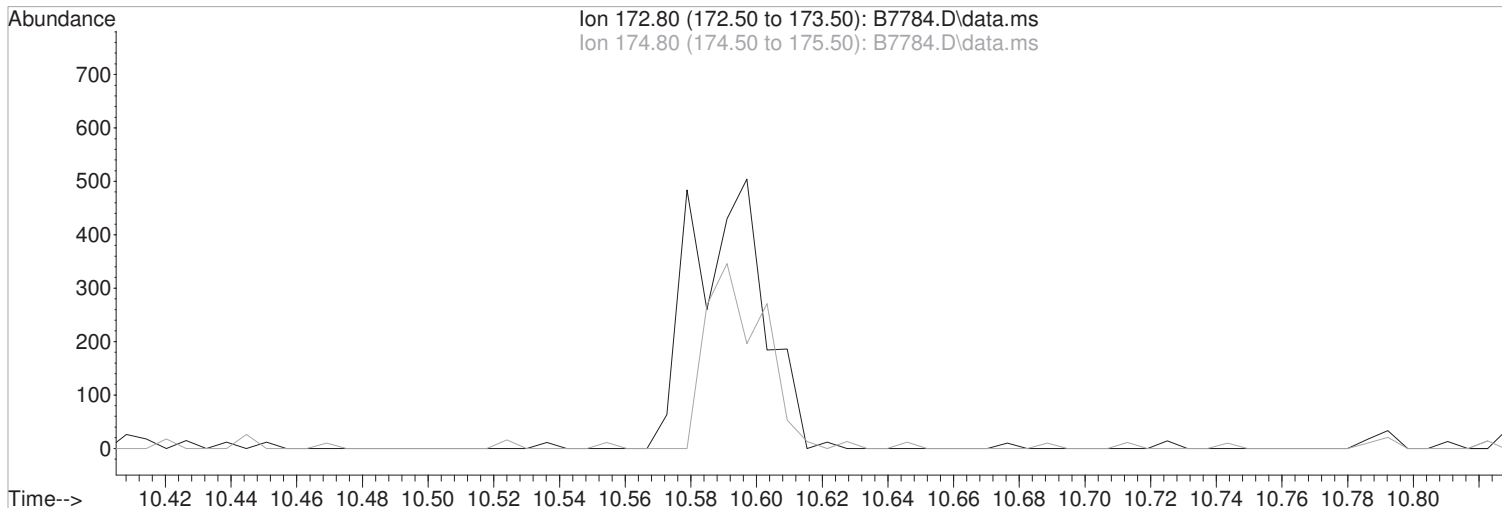
Peak not found.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(86) Bromoform (P)

Manual Integration:

10.591min (-10.591) 0.00 ug/L

Before

response 0

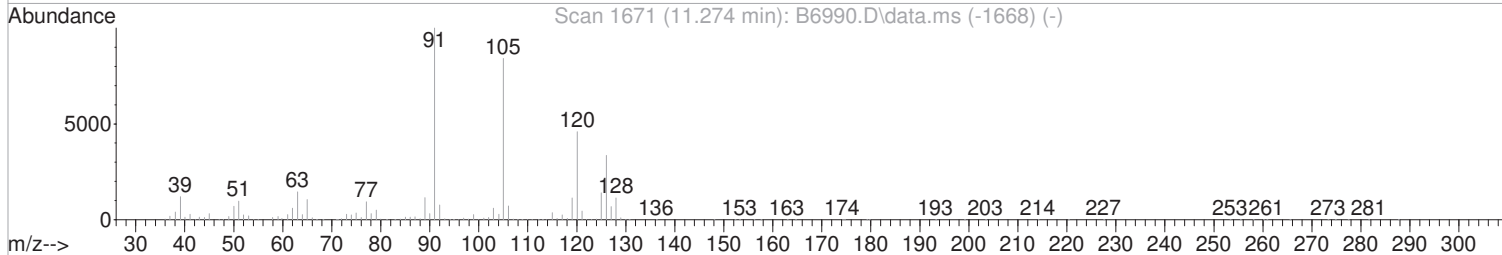
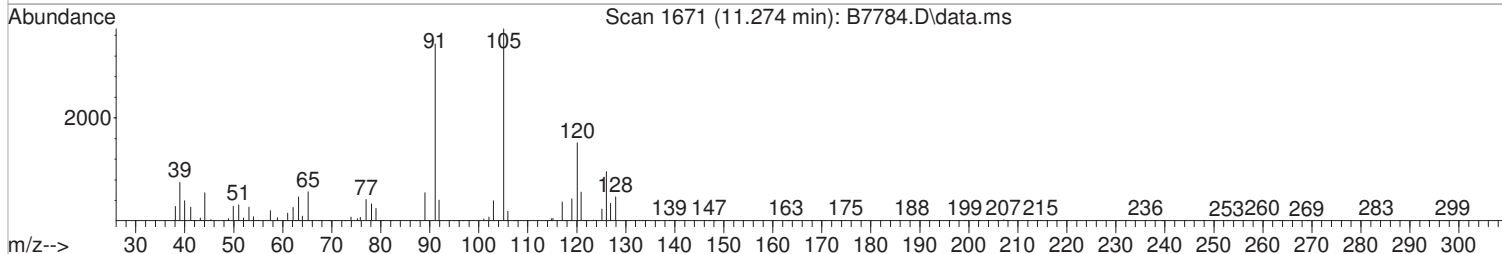
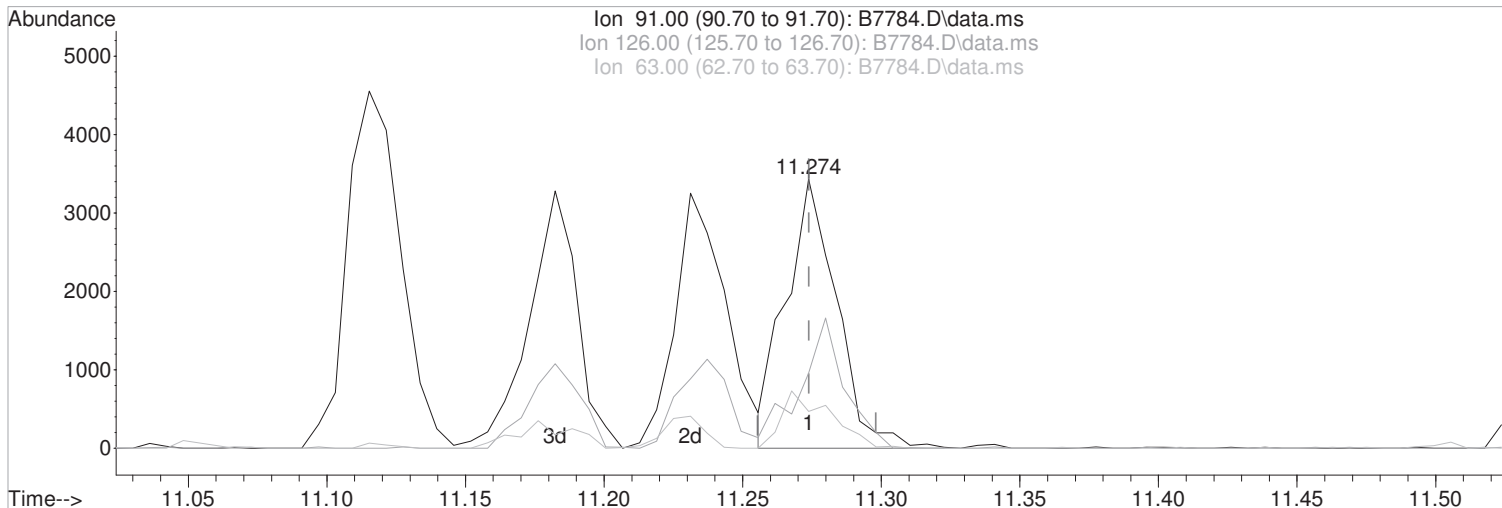
| Ion | Exp% | Act% |
|--------|-------|-------|
| 172.80 | 100 | 0.00 |
| 174.80 | 47.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



(98) 4-Chlorotoluene
11.274min (-0.000) 0.49 ug/L m
response 4384

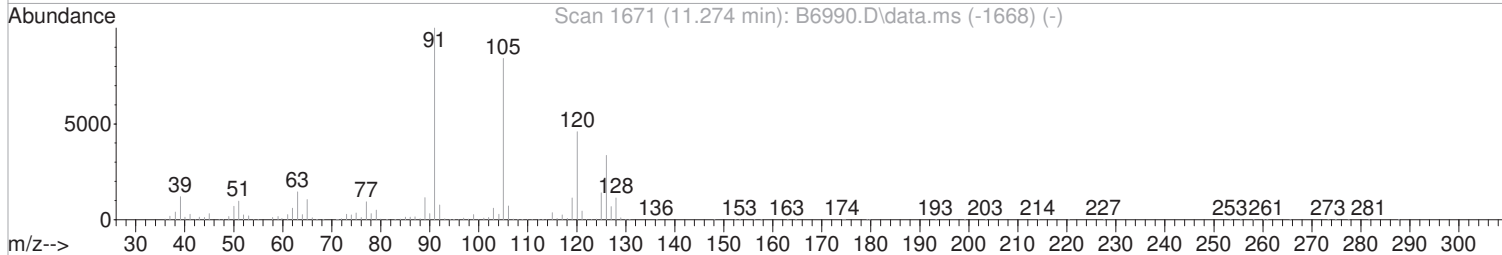
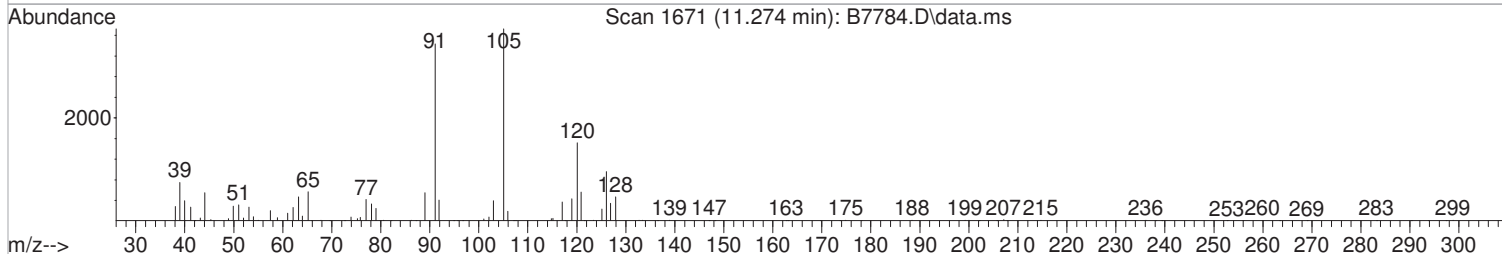
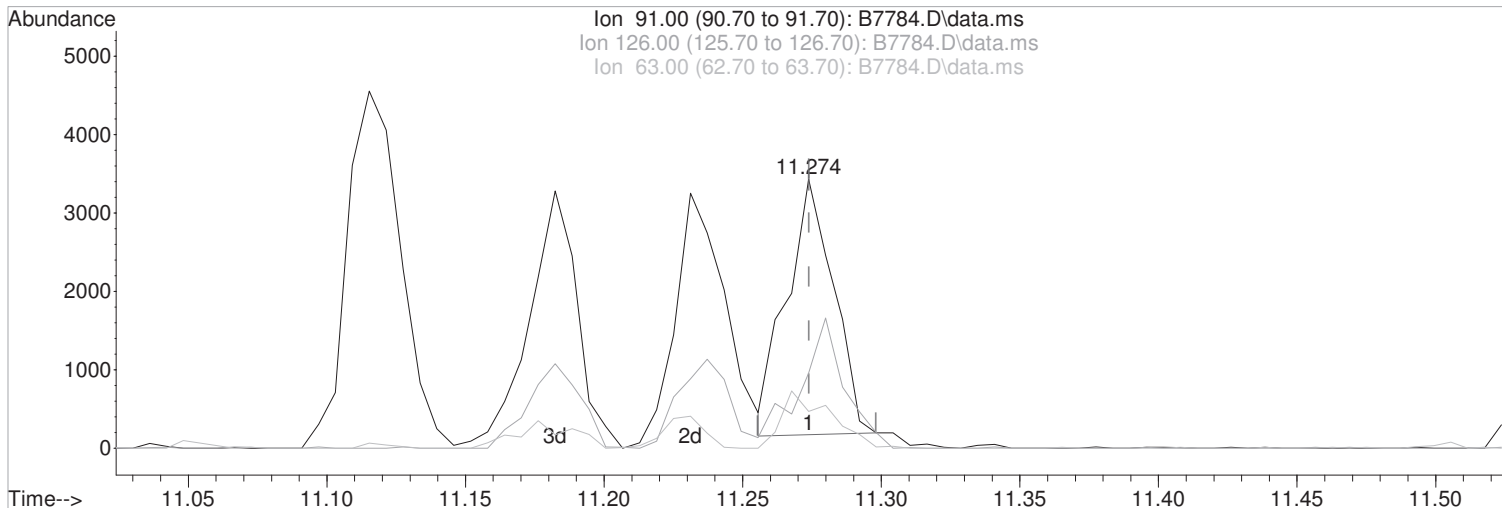
Manual Integration:
After
Poor integration.

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 33.30 | 27.99 |
| 63.00 | 15.20 | 13.70 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7784.D
Acq On : 23 Jan 2023 5:10 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Jan 24 09:01:37 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:00:45 2023
Response via : Initial Calibration



TIC: B7784.D\data.ms

(98) 4-Chlorotoluene
11.274min (-0.000) 0.43 ug/L
response 3829

Manual Integration:
Before

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 33.30 | 27.99 |
| 63.00 | 15.20 | 13.70 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7784.D
 Acq On : 23 Jan 2023 5:10 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 24 09:32:33 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:00:45 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 286830 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 431991 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 400839 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 197975 | 50.00 | ug/L | 0.00 |

| System Monitoring Compounds | | | | | | |
|-------------------------------|--------|----------------|----------|-------|---------|------|
| 44) surr4,Dibrflmethane | 5.251 | 113 | 29997 | 11.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 22.08%# | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 36125 | 12.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 24.28%# | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 120928 | 11.46 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 22.92%# | |
| 70) SURR2,BFB | 10.884 | 95 | 41316 | 10.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 21.54%# | |

| Target Compounds | | | | | | Qvalue |
|------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 1716m | 0.44 | ug/L | |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 1157m | 0.48 | ug/L | |
| 4) Chloromethane | 1.282 | 50 | 1911m | 0.57 | ug/L | |
| 5) Vinyl Chloride | 1.355 | 62 | 2352 | 0.71 | ug/L | 97 |
| 6) Bromomethane | 1.593 | 94 | 1455 | 0.59 | ug/L # | 74 |
| 7) Chloroethane | 1.666 | 64 | 1828 | 0.94 | ug/L | 80 |
| 8) Freon 21 | 1.818 | 67 | 2531 | 0.57 | ug/L | 82 |
| 9) Trichlorofluoromethane | 1.861 | 101 | 2259 | 0.56 | ug/L | 81 |
| 10) Diethyl Ether | 2.093 | 59 | 1316 | 0.58 | ug/L | 86 |
| 11) Freon 123a | 2.099 | 67 | 1361 | 0.46 | ug/L | 78 |
| 12) Freon 123 | 2.148 | 83 | 1728 | 0.52 | ug/L # | 55 |
| 13) Acrolein | 2.196 | 56 | 1666 | 3.38 | ug/L | 87 |
| 14) 1,1-Dicethene | 2.282 | 96 | 866 | 0.38 | ug/L | 97 |
| 15) Freon 113 | 2.294 | 101 | 1125m | 0.47 | ug/L | |
| 16) Acetone | 2.337 | 43 | 1715m | 1.37 | ug/L | |
| 17) 2-Propanol | 2.458 | 45 | 2051 | 10.67 | ug/L | 80 |
| 18) Iodomethane | 2.416 | 142 | 1049 | 0.30 | ug/L | 78 |
| 19) Carbon Disulfide | 2.483 | 76 | 3637 | 0.57 | ug/L | 89 |
| 20) Acetonitrile | 2.593 | 41 | 1120m | 2.39 | ug/L | |
| 21) Allyl Chloride | 2.623 | 76 | 595 | 0.53 | ug/L # | 62 |
| 22) Methyl Acetate | 2.635 | 43 | 2666m | 0.84 | ug/L | |
| 23) Methylene Chloride | 2.739 | 84 | 1809 | 0.77 | ug/L | 89 |
| 24) TBA | 2.867 | 59 | 2134m | 7.49 | ug/L | |
| 25) Acrylonitrile | 3.007 | 53 | 4007m | 3.28 | ug/L | |
| 26) Methyl-t-Butyl Ether | 3.038 | 73 | 3133m | 0.47 | ug/L | |
| 27) trans-1,2-Dichloroethene | 3.038 | 96 | 1196m | 0.49 | ug/L | |
| 28) 1,1-Dicethane | 3.537 | 63 | 2521m | 0.59 | ug/L | |
| 30) DIPE | 3.653 | 45 | 5445 | 0.62 | ug/L | 93 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 2135m | 0.54 | ug/L | |
| 32) ETBE | 4.190 | 59 | 3206 | 0.64 | ug/L # | 74 |
| 33) 2,2-Dichloropropane | 4.354 | 77 | 1018 | 0.52 | ug/L # | 52 |
| 34) cis-1,2-Dichloroethene | 4.391 | 96 | 1221 | 0.43 | ug/L | 83 |
| 36) Propionitrile | 4.513 | 54 | 1207 | 2.41 | ug/L | 61 |
| 37) Bromochloromethane | 4.775 | 130 | 1119m | 0.56 | ug/L | |
| 38) Methacrylonitrile | 4.787 | 67 | 556m | 0.47 | ug/L | |
| 39) Tetrahydrofuran | 4.867 | 42 | 863m | 0.74 | ug/L | |
| 40) Chloroform | 4.952 | 83 | 2711m | 0.60 | ug/L | |
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 1630m | 0.49 | ug/L | |
| 43) Cyclohexane | 5.330 | 41 | 1599m | 0.58 | ug/L | |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7784.D
 Acq On : 23 Jan 2023 5:10 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 24 09:32:33 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:00:45 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-------|--------|-----------|
| 45) Carbontetrachloride | 5.513 | 117 | 1153m | 0.41 | ug/L | |
| 46) 1,1-Dichloropropene | 5.555 | 75 | 1757 | 0.59 | ug/L | 93 |
| 48) Benzene | 5.860 | 78 | 5125 | 0.53 | ug/L | 97 |
| 49) 1,2-Dichloroethane | 5.909 | 62 | 1994 | 0.54 | ug/L | 86 |
| 50) Iso-Butyl Alcohol | 5.891 | 43 | 1511m | 10.93 | ug/L | |
| 51) TAME | 6.110 | 73 | 2870 | 0.61 | ug/L # | 84 |
| 52) n-Heptane | 6.360 | 43 | 1753 | 0.57 | ug/L | 80 |
| 53) 1-Butanol | 6.854 | 56 | 1571 | 20.96 | ug/L # | 50 |
| 54) Trichloroethene | 6.823 | 130 | 1649 | 0.60 | ug/L # | 86 |
| 55) Methylcyclohexane | 7.055 | 55 | 1841m | 0.58 | ug/L | |
| 56) 1,2-Diclp propane | 7.104 | 63 | 1133m | 0.44 | ug/L | |
| 57) Dibromomethane | 7.244 | 93 | 811 | 0.46 | ug/L # | 80 |
| 58) 1,4-Dioxane | 7.329 | 88 | 655 | 14.64 | ug/L | 96 |
| 59) Methyl Methacrylate | 7.342 | 69 | 806m | 0.47 | ug/L | |
| 60) Bromodichloromethane | 7.476 | 83 | 1534 | 0.47 | ug/L | 80 |
| 61) 2-Nitropropane | 7.768 | 41 | 627 | 0.89 | ug/L # | 44 |
| 62) 2-Chloroethylvinyl Ether | 7.896 | 63 | 274 | 0.26 | ug/L # | 47 |
| 63) cis-1,3-Dichloropropene | 8.024 | 75 | 1395 | 0.45 | ug/L | 78 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 1580 | 0.45 | ug/L | 81 |
| 66) Toluene | 8.396 | 91 | 5365 | 0.49 | ug/L | 83 |
| 67) trans-1,3-Dichloropropene | 8.665 | 75 | 1166m | 0.49 | ug/L | |
| 68) Ethyl Methacrylate | 8.805 | 69 | 1455 | 0.51 | ug/L # | 65 |
| 69) 1,1,2-Trichloroethane | 8.854 | 97 | 1496 | 0.58 | ug/L | 87 |
| 72) Tetrachloroethene | 8.982 | 164 | 902 | 0.42 | ug/L # | 82 |
| 73) 2-Hexanone | 9.152 | 43 | 1284m | 0.51 | ug/L | |
| 74) 1,3-Dichloropropane | 9.024 | 76 | 2418 | 0.60 | ug/L | 95 |
| 75) Dibromochloromethane | 9.250 | 129 | 991 | 0.36 | ug/L # | 65 |
| 76) N-Butyl Acetate | 9.299 | 43 | 2162 | 0.48 | ug/L | 89 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 1318 | 0.53 | ug/L | 80 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 2371m | 0.57 | ug/L | |
| 79) Chlorobenzene | 9.835 | 112 | 3732 | 0.49 | ug/L | 85 |
| 80) 4-Chlorobenzotrifluoride | 9.914 | 180 | 1755 | 0.48 | ug/L | 85 |
| 81) 1,1,1,2-Tetrachloroethane | 9.914 | 131 | 1047 | 0.43 | ug/L # | 78 |
| 82) Ethylbenzene | 9.963 | 106 | 1769 | 0.45 | ug/L # | 57 |
| 83) (m+p)Xylene | 10.073 | 106 | 4624 | 0.95 | ug/L # | 80 |
| 84) o-Xylene | 10.432 | 106 | 2451 | 0.51 | ug/L # | 77 |
| 85) Styrene | 10.439 | 104 | 3824 | 0.48 | ug/L | 95 |
| 86) Bromoform | 10.597 | 173 | 772m | 0.45 | ug/L | |
| 87) 2-Chlorobenzotrifluoride | 10.676 | 180 | 1480 | 0.36 | ug/L | 94 |
| 88) Isopropylbenzene | 10.762 | 105 | 5498 | 0.47 | ug/L | 96 |
| 89) Cyclohexanone | 10.823 | 55 | 5027 | 11.74 | ug/L | 81 |
| 90) trans-1,4-Dichloro-2-B... | 11.085 | 53 | 393 | 0.66 | ug/L # | 47 |
| 92) 1,1,2,2-Tetrachloroethane | 11.024 | 83 | 1758 | 0.52 | ug/L | 85 |
| 93) Bromobenzene | 11.012 | 156 | 2012 | 0.59 | ug/L # | 65 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 539 | 0.52 | ug/L # | 49 |
| 95) n-Propylbenzene | 11.115 | 91 | 6084 | 0.48 | ug/L | 95 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 3953 | 0.51 | ug/L | 90 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 4155 | 0.50 | ug/L | 85 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 4384m | 0.49 | ug/L | |
| 99) 1,3,5-Trimethylbenzene | 11.274 | 105 | 4627 | 0.46 | ug/L | 87 |
| 100) tert-Butylbenzene | 11.548 | 119 | 3640 | 0.43 | ug/L | 87 |
| 101) 1,2,4-Trimethylbenzene | 11.585 | 105 | 4148 | 0.43 | ug/L | 76 |
| 102) 3,4-Dichlorobenzotrifl... | 11.640 | 214 | 1237 | 0.42 | ug/L | 80 |
| 103) sec-Butylbenzene | 11.725 | 105 | 5709 | 0.49 | ug/L | 97 |
| 104) p-Isopropyltoluene | 11.847 | 119 | 5426 | 0.53 | ug/L | 80 |
| 105) 1,3-Dclbenz | 11.810 | 146 | 2933 | 0.48 | ug/L | 84 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7784.D
 Acq On : 23 Jan 2023 5:10 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 24 09:32:33 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:00:45 2023
 Response via : Initial Calibration

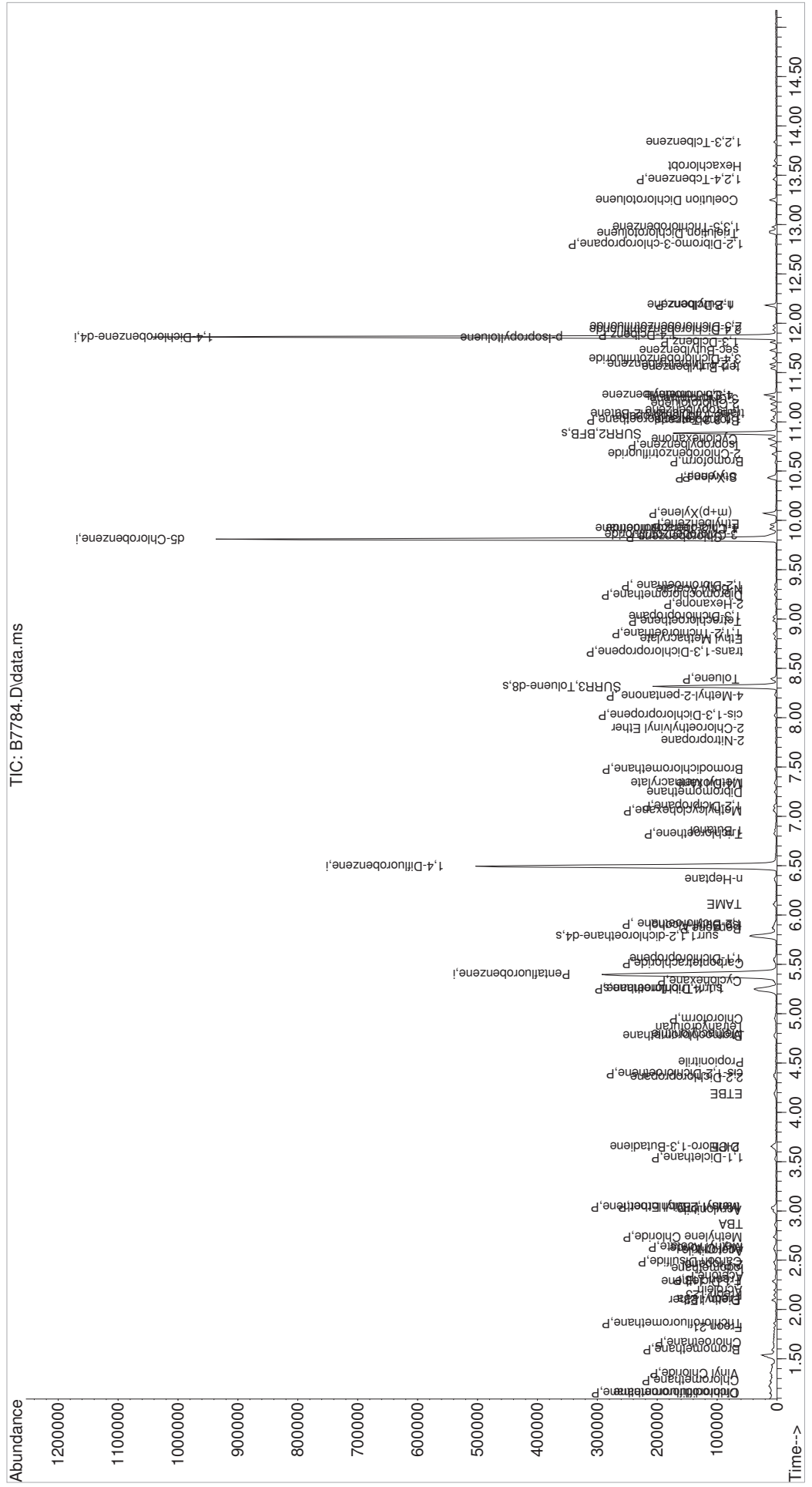
| Compound | R.T. | QIon | Response | Conc | Units | Dev | (Min) |
|--------------------------------|--------|------|----------|------|--------|-----|-------|
| 106) 1,4-Dclbenz | 11.877 | 146 | 3305 | 0.53 | ug/L # | 75 | |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 1211 | 0.46 | ug/L # | 67 | |
| 108) 2,5-Dichlorobenzotrifl... | 11.969 | 214 | 1377 | 0.46 | ug/L # | 62 | |
| 109) n-Butylbenzene | 12.182 | 91 | 3821 | 0.45 | ug/L | 93 | |
| 110) 1,2-Dclbenz | 12.182 | 146 | 3081 | 0.50 | ug/L | 89 | |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 283 | 0.43 | ug/L # | 33 | |
| 112) Trielution Dichlorotol... | 12.914 | 125 | 5809 | 1.18 | ug/L | 80 | |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 1708 | 0.40 | ug/L | 91 | |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 4023 | 0.78 | ug/L | 83 | |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 1320 | 0.33 | ug/L | 83 | |
| 116) Hexachlorobt | 13.590 | 225 | 776 | 0.51 | ug/L # | 67 | |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 1109 | 0.29 | ug/L | 92 | |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
 Data File : B7784.D
 Acq On : 23 Jan 2023 5:10 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

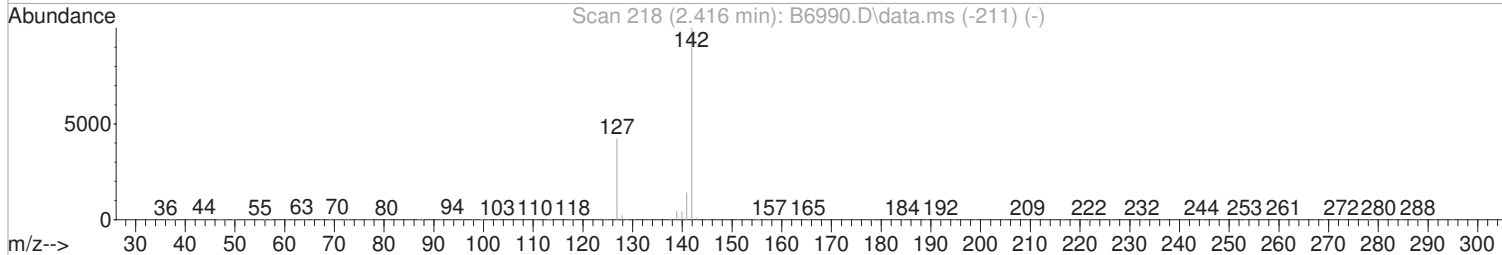
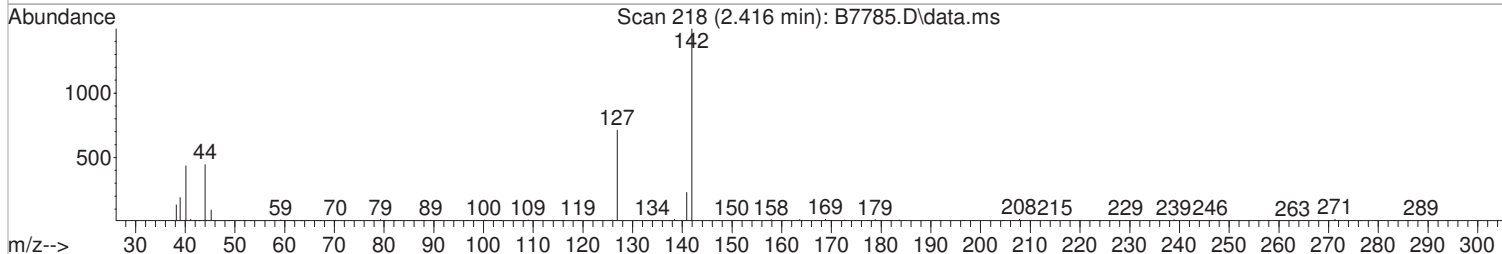
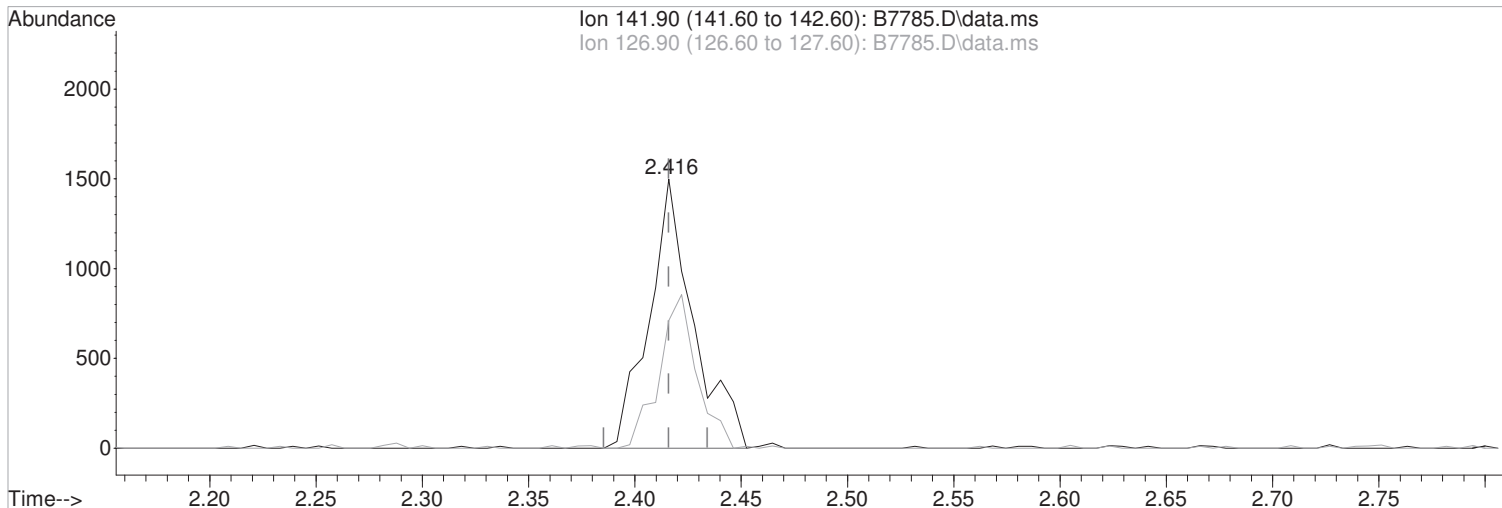
Quant Time: Jan 24 09:32:33 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:00:45 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



(18) Iodomethane
2.416min (-0.000) 0.64 ug/L m
response 2175

Manual Integration:
After
Poor integration.

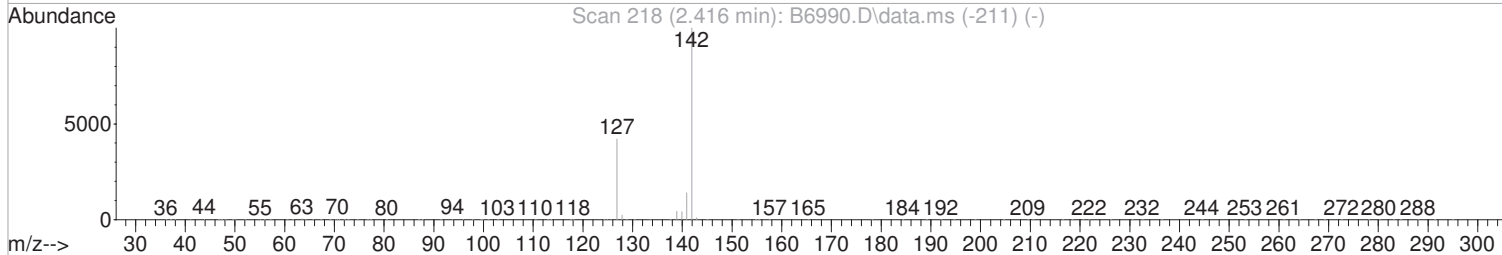
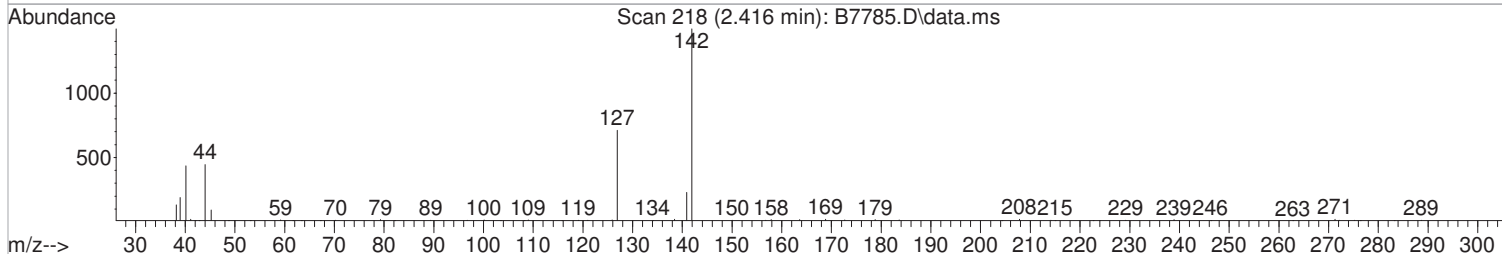
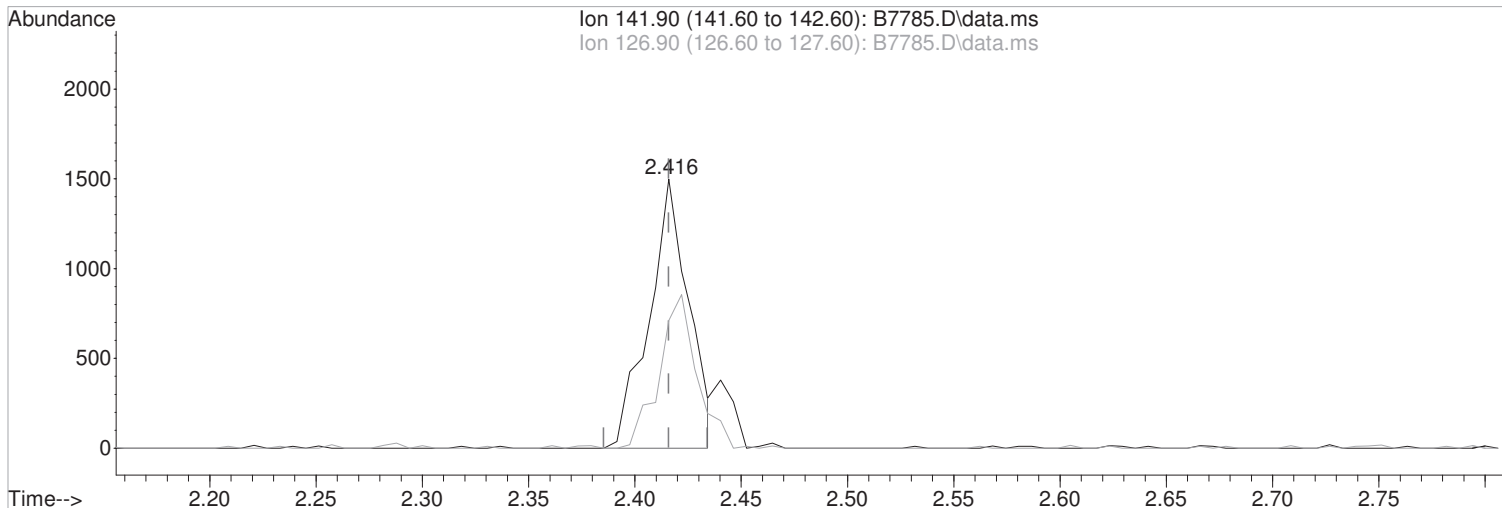
| Ion | Exp% | Act% |
|--------|-------|-------|
| 141.90 | 100 | 100 |
| 126.90 | 42.20 | 47.46 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(18) Iodomethane
2.416min (-0.000) 0.57 ug/L
response 1941

Manual Integration:
Before

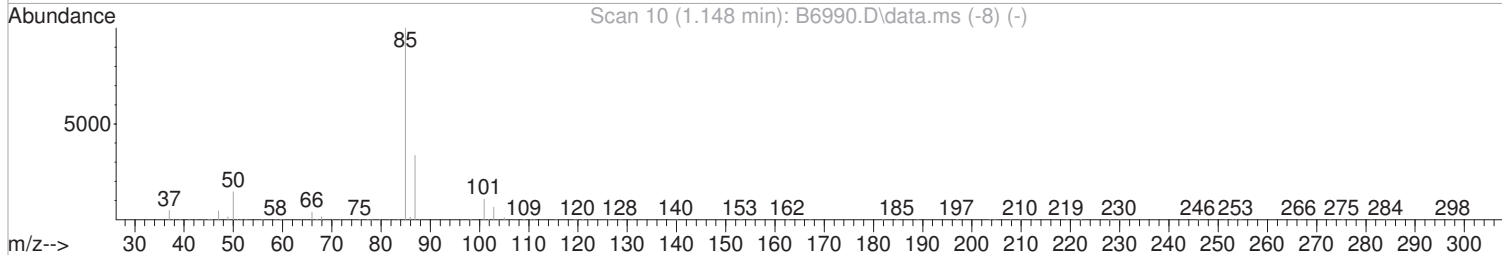
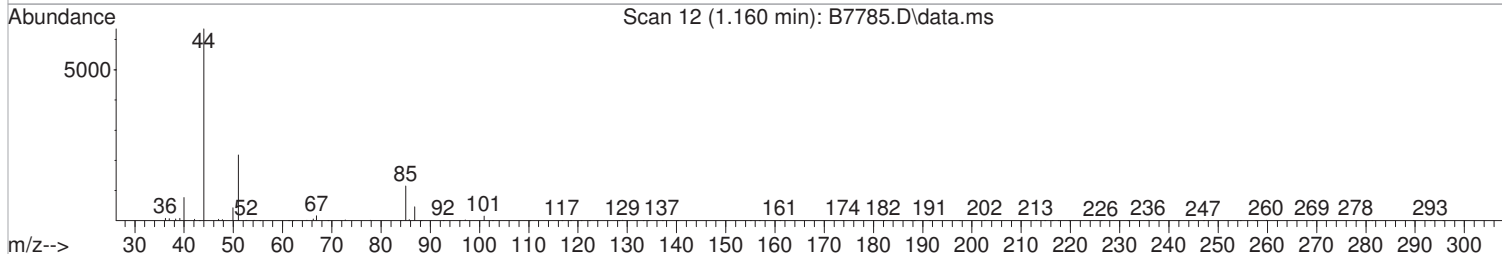
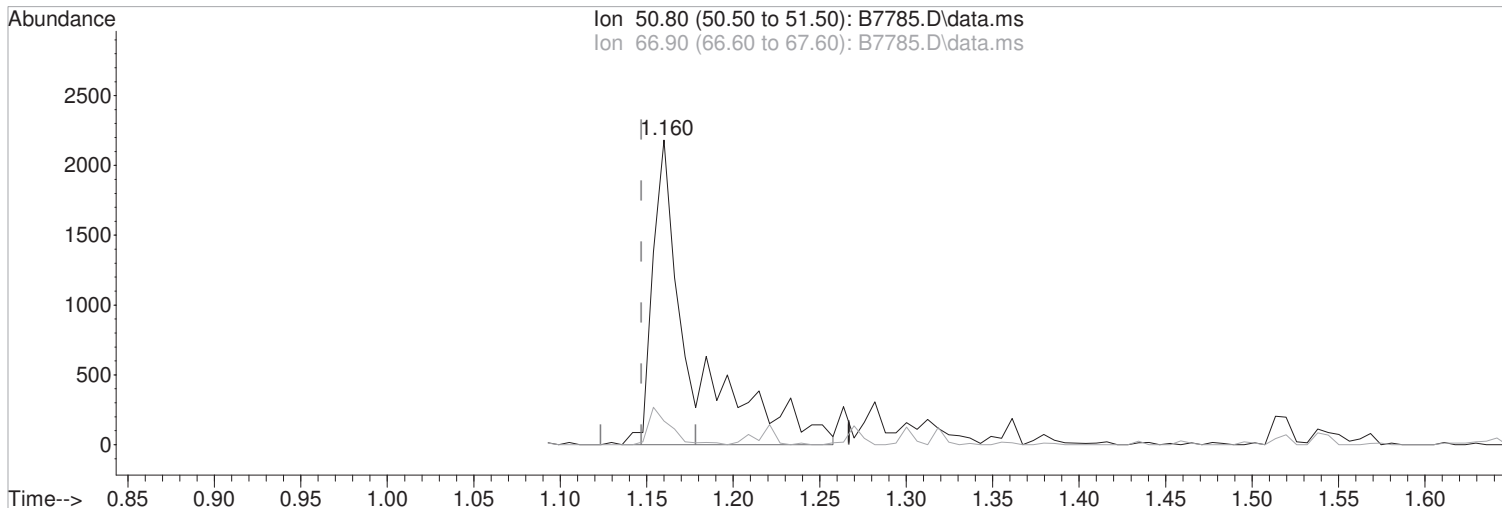
| Ion | Exp% | Act% |
|--------|-------|-------|
| 141.90 | 100 | 100 |
| 126.90 | 42.20 | 47.46 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(2) Chlorodifluoromethane
1.160min (+0.013) 1.01 ug/L m
response 3417

Manual Integration:
After
Poor integration.

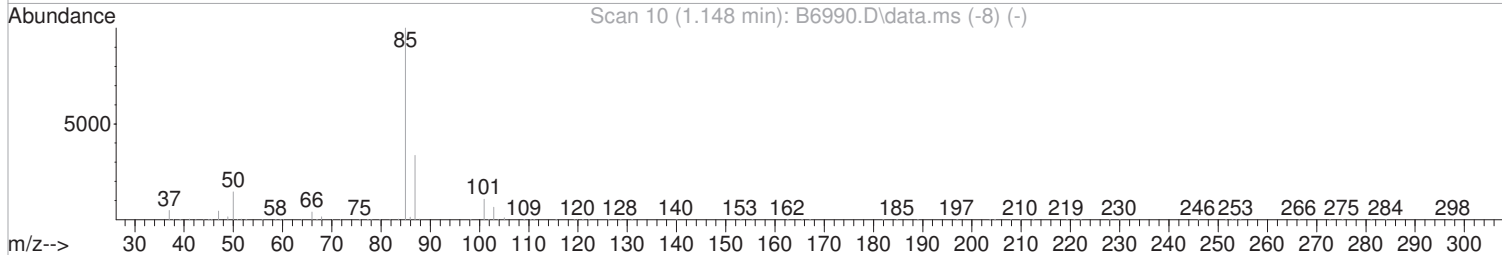
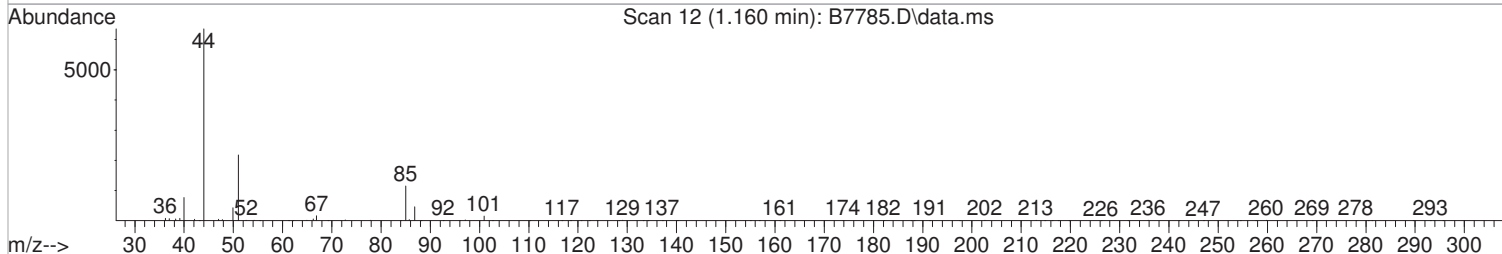
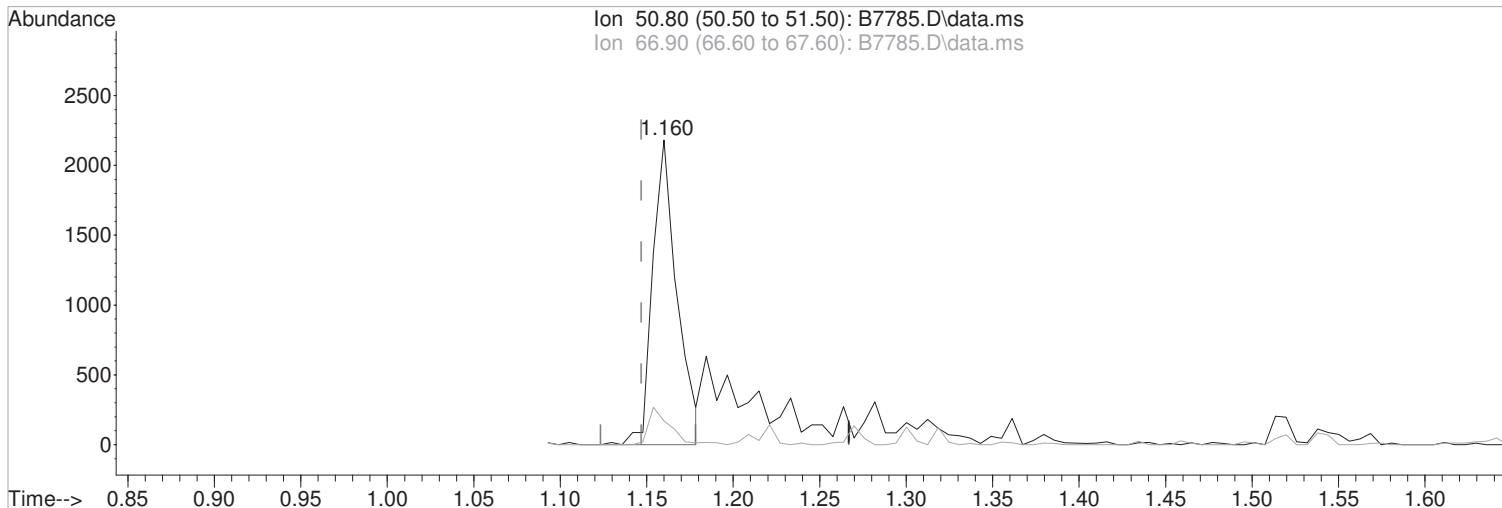
| Ion | Exp% | Act% |
|-------|-------|------|
| 50.80 | 100 | 100 |
| 66.90 | 12.90 | 7.79 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(2) Chlorodifluoromethane
1.160min (+0.013) 0.63 ug/L
response 2138

Manual Integration:
Before

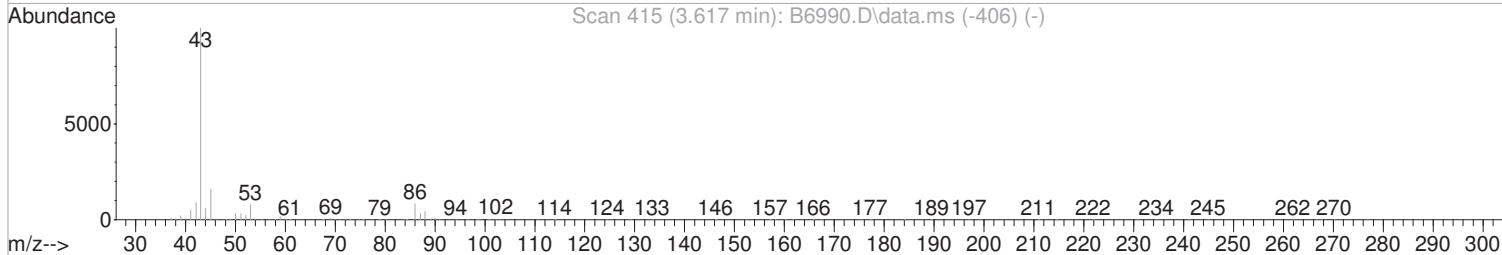
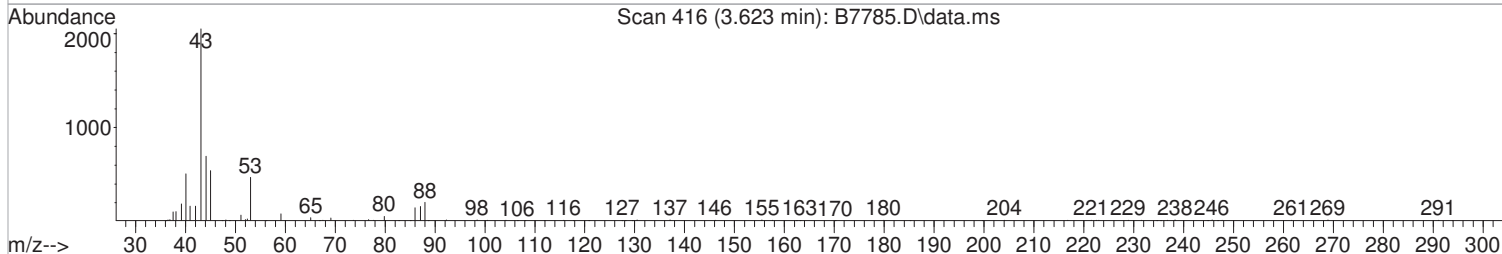
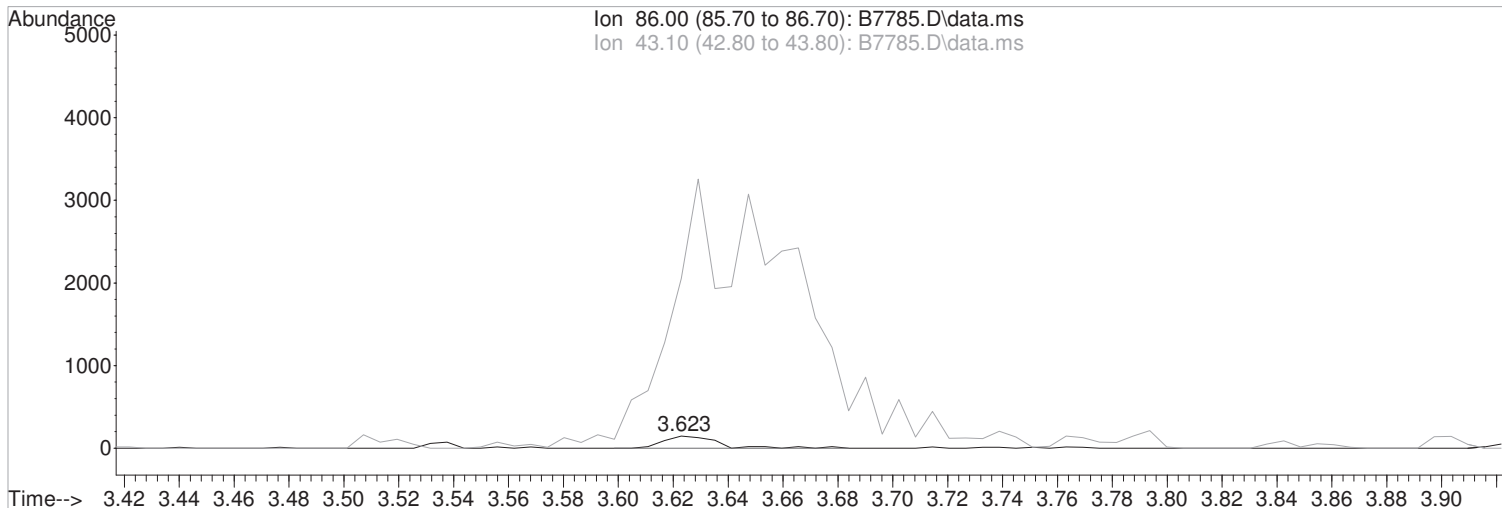
| Ion | Exp% | Act% |
|-------|-------|------|
| 50.80 | 100 | 100 |
| 66.90 | 12.90 | 7.79 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(29) Vinyl Acetate
3.623min (+0.007) 0.65 ug/L m
response 203

Manual Integration:
After
Poor integration.

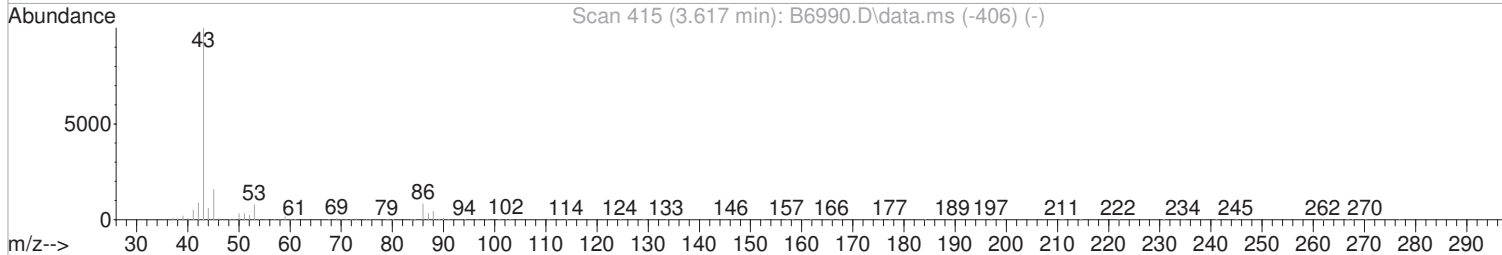
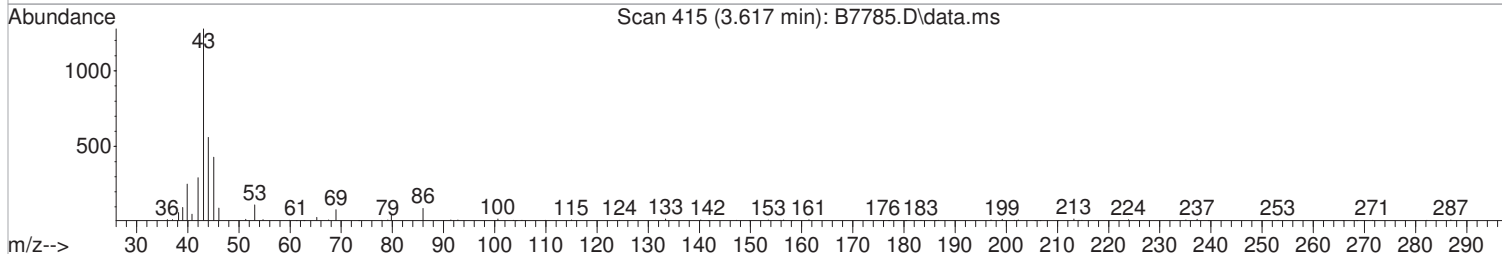
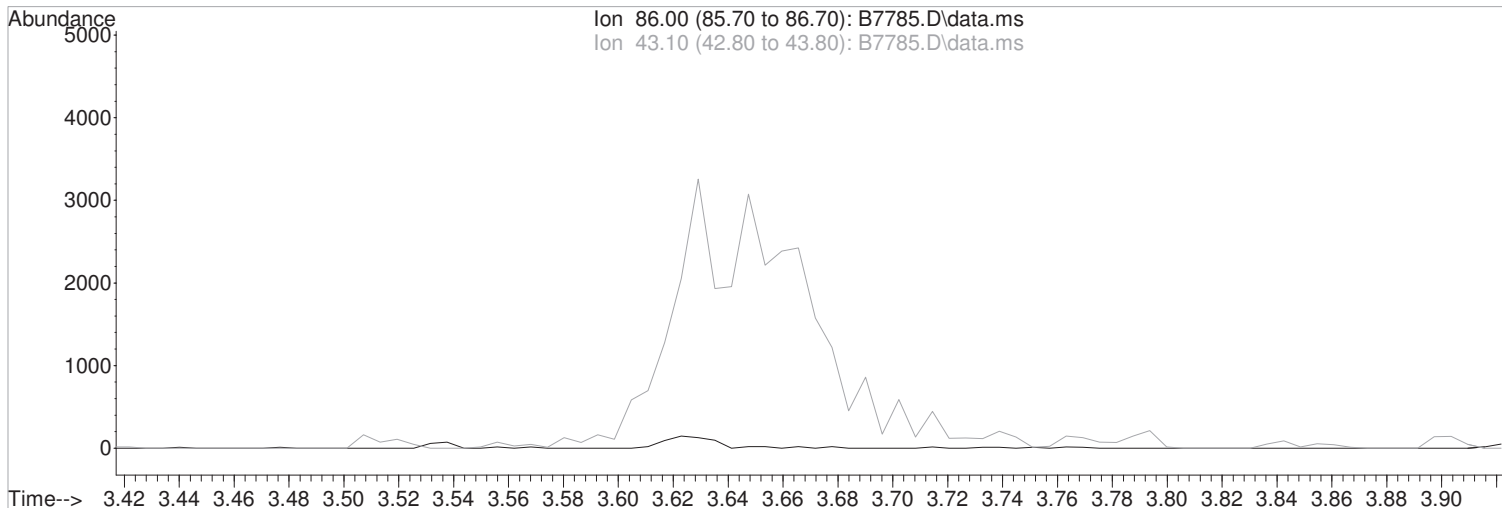
| Ion | Exp% | Act% |
|-------|---------|----------|
| 86.00 | 100 | 100 |
| 43.10 | 1206.00 | 1395.24# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(29) Vinyl Acetate
3.616min (-3.616) 0.00 ug/L
response 0

Manual Integration:
Before

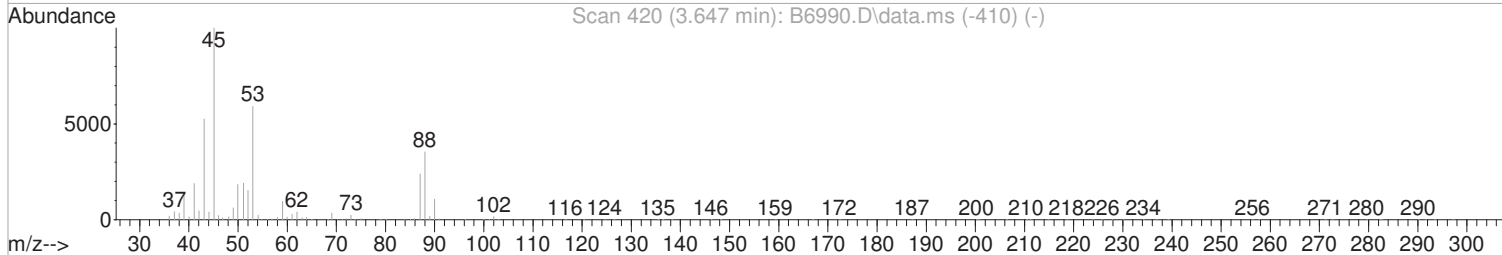
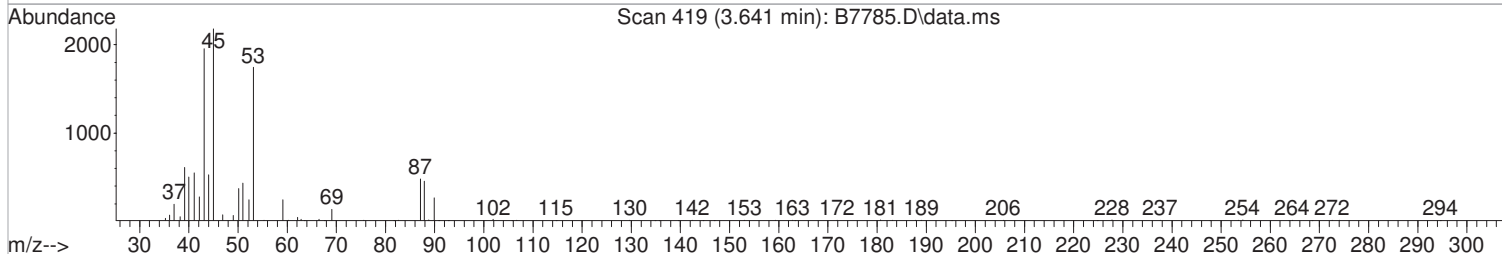
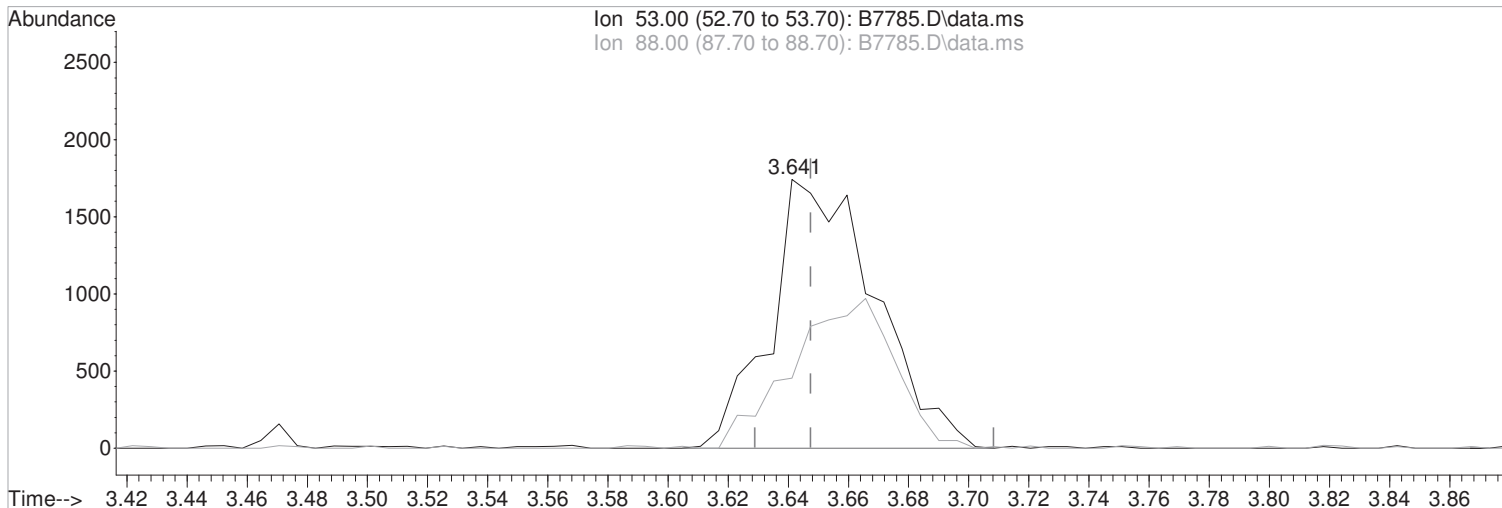
| Ion | Exp% | Act% |
|-------|---------|-------|
| 86.00 | 100 | 0.00 |
| 43.10 | 1206.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



(31) 2-Chloro-1,3-Butadiene
3.641min (-0.006) 1.06 ug/L m
response 4221

Manual Integration:
After
Poor integration.

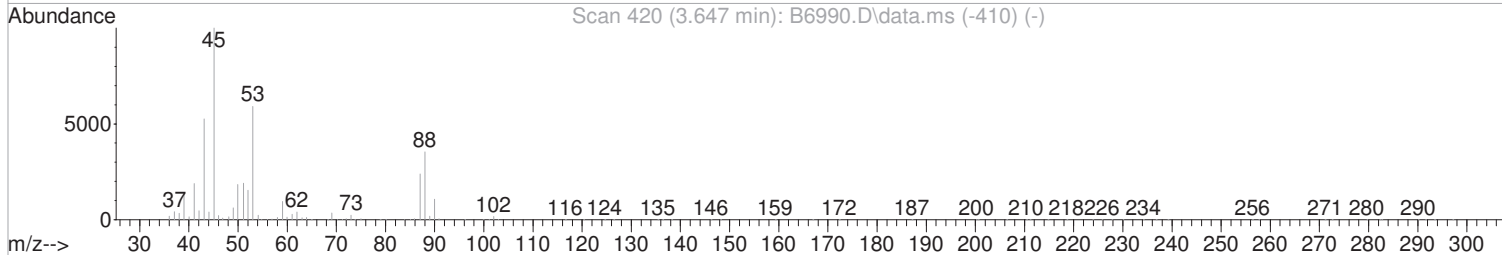
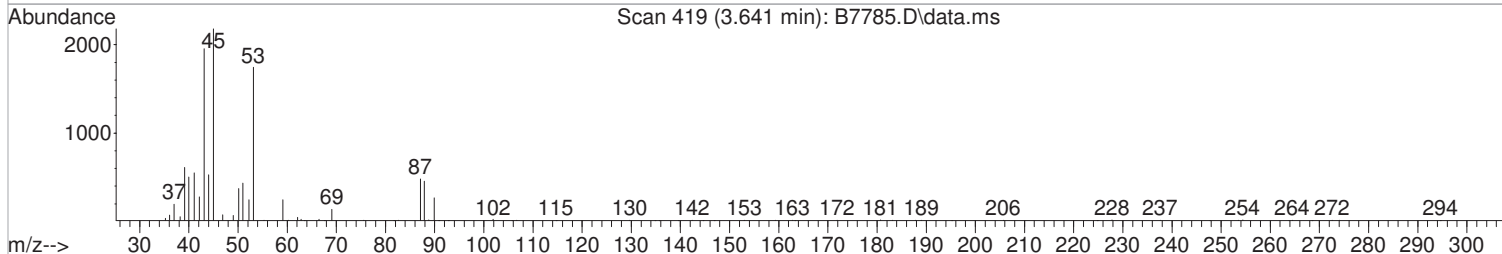
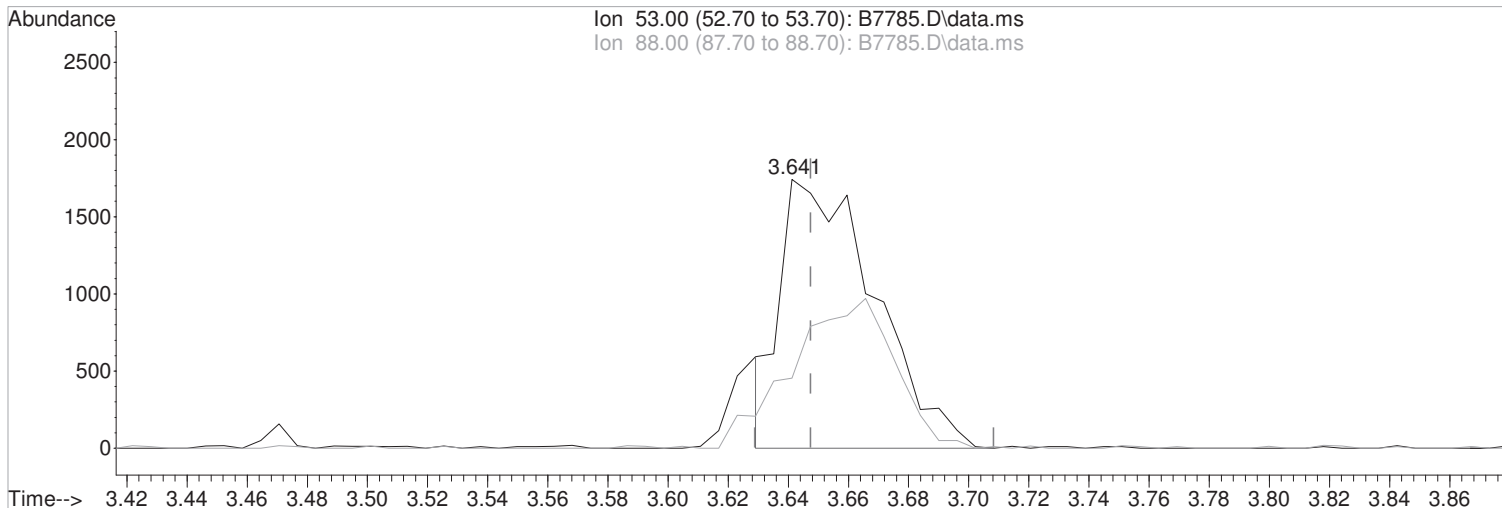
| Ion | Exp% | Act% |
|-------|-------|--------|
| 53.00 | 100 | 100 |
| 88.00 | 60.00 | 26.05# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(31) 2-Chloro-1,3-Butadiene
3.641min (-0.006) 0.95 ug/L
response 3786

Manual Integration:
Before

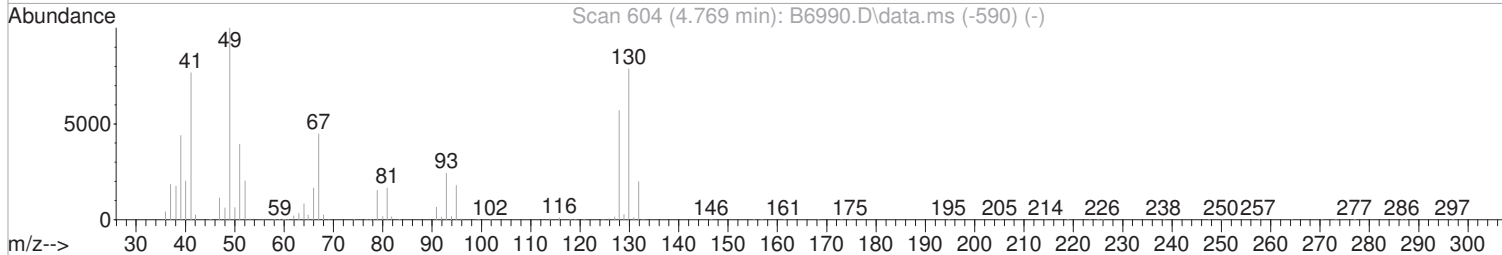
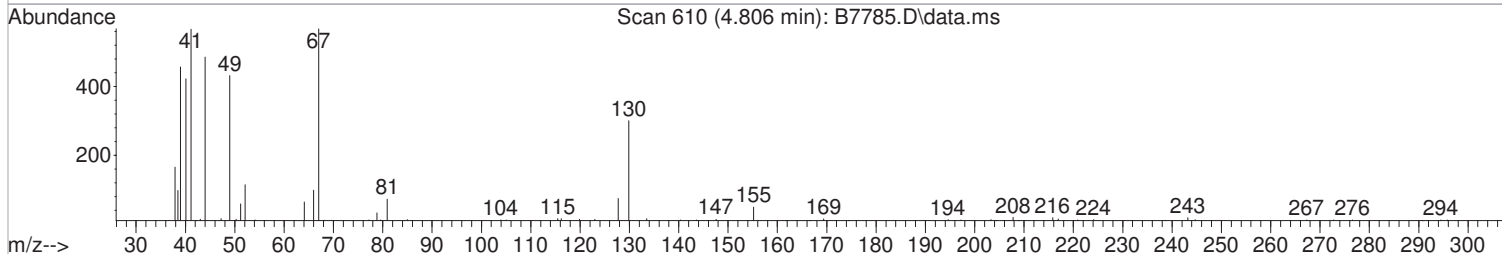
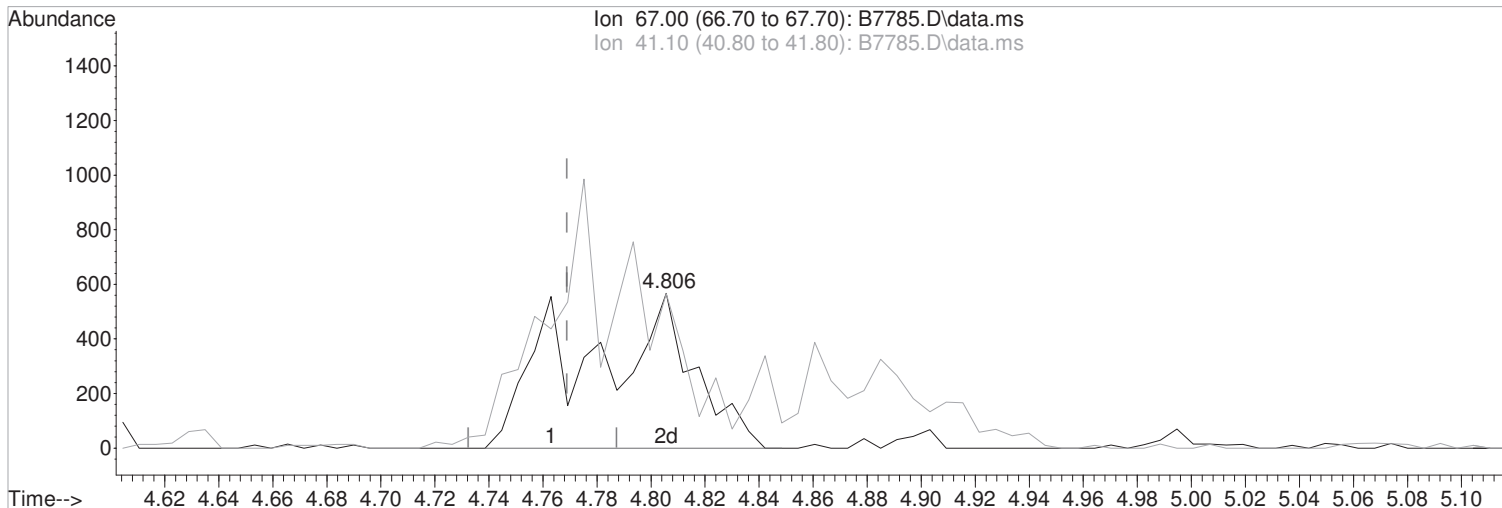
| Ion | Exp% | Act% |
|-------|-------|--------|
| 53.00 | 100 | 100 |
| 88.00 | 60.00 | 26.05# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(38) Methacrylonitrile
4.806min (+0.037) 1.39 ug/L m
response 1633

Manual Integration:
After
Poor integration.

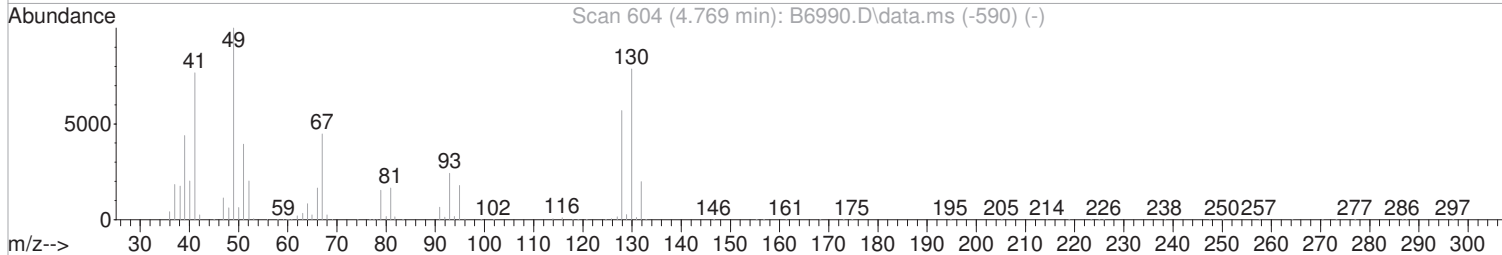
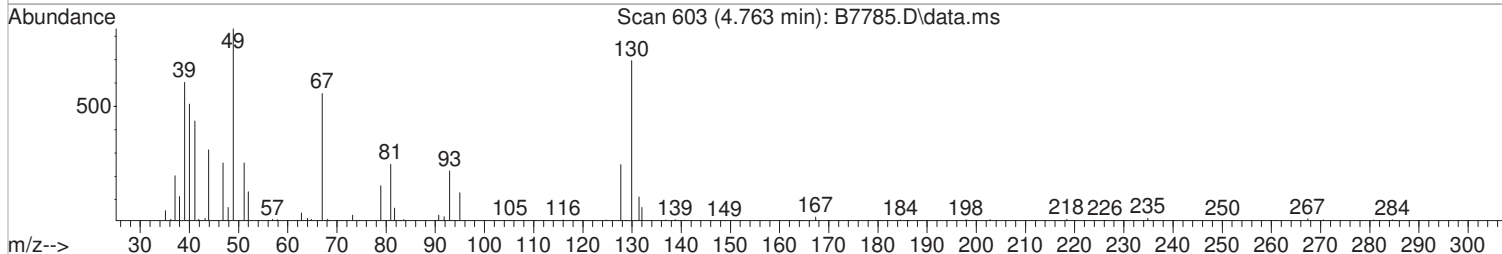
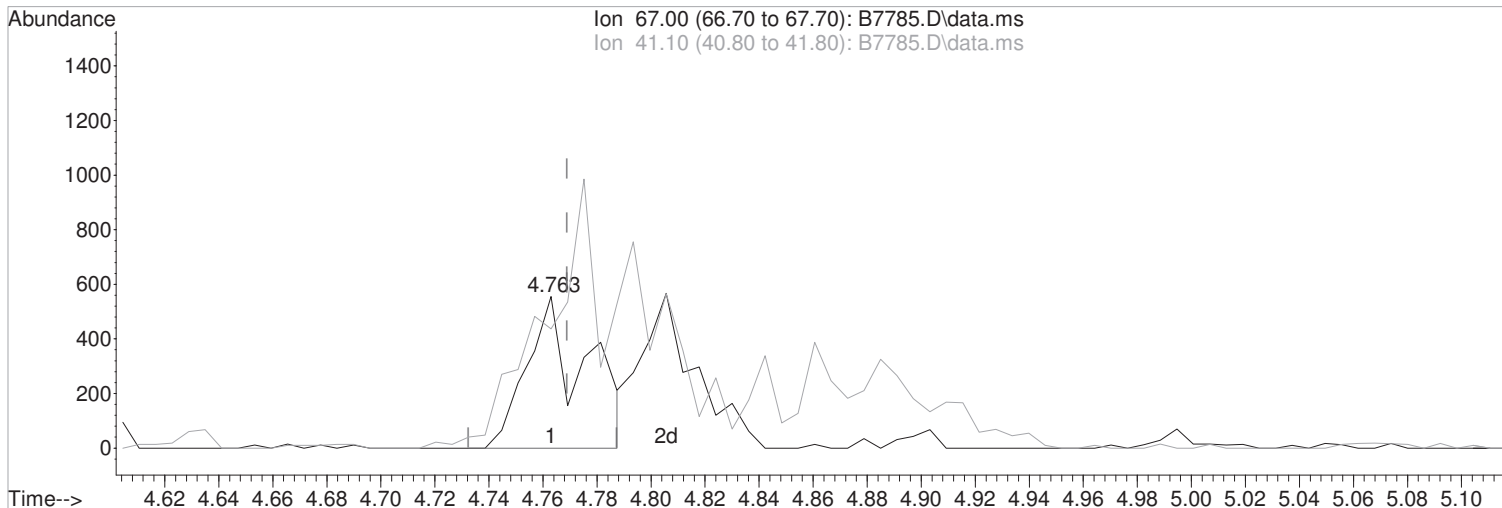
| Ion | Exp% | Act% |
|-------|--------|--------|
| 67.00 | 100 | 100 |
| 41.10 | 171.30 | 99.82# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(38) Methacrylonitrile
4.763min (-0.006) 0.72 ug/L
response 843

Manual Integration:
Before

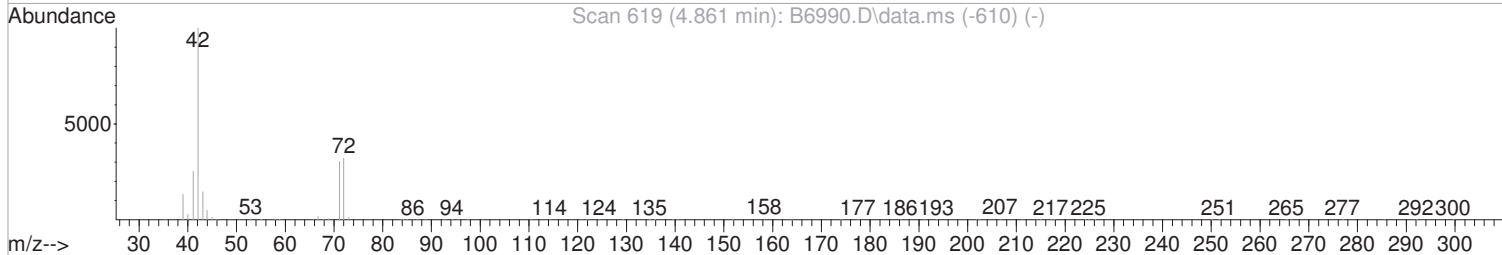
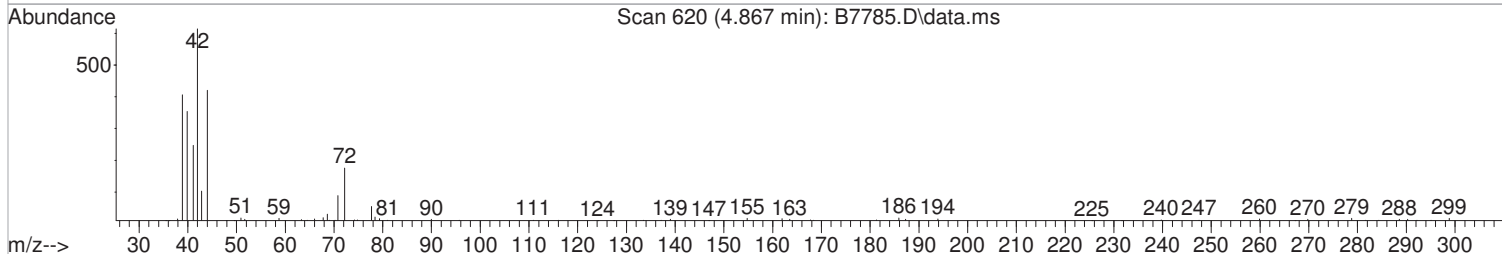
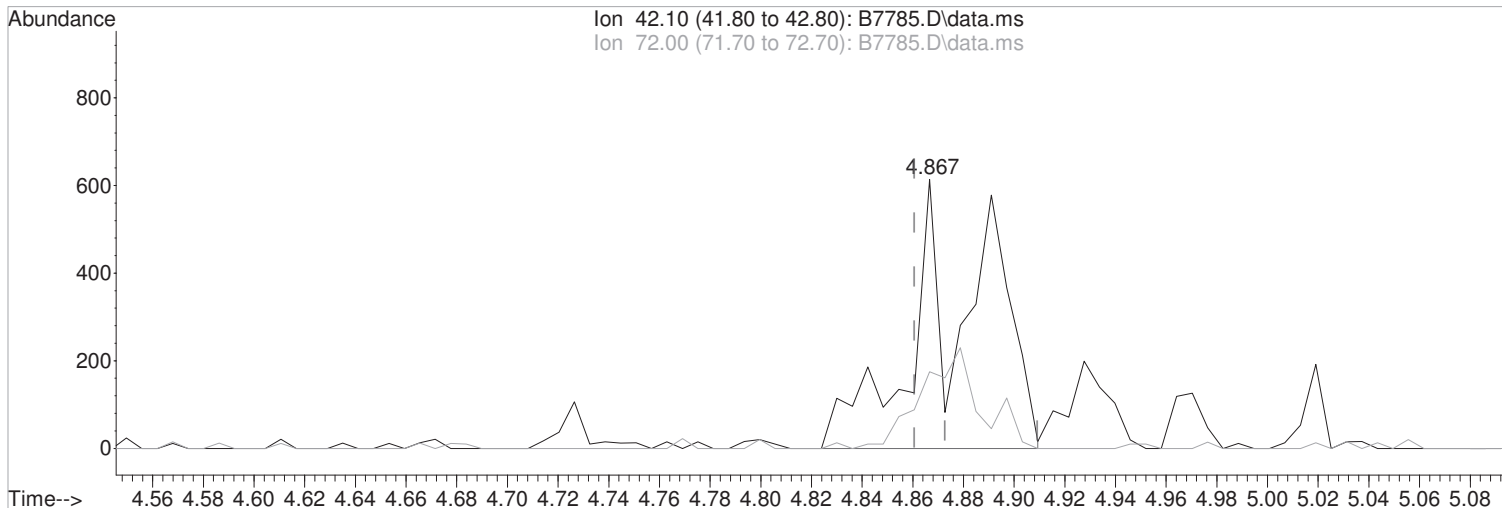
| Ion | Exp% | Act% |
|-------|--------|--------|
| 67.00 | 100 | 100 |
| 41.10 | 171.30 | 78.74# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(39) Tetrahydrofuran
4.867min (+0.006) 1.03 ug/L m
response 1182

Manual Integration:
After
Poor integration.

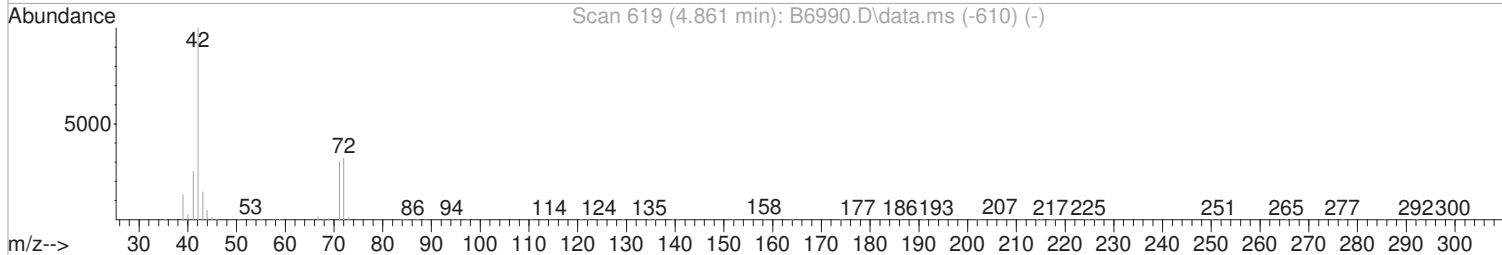
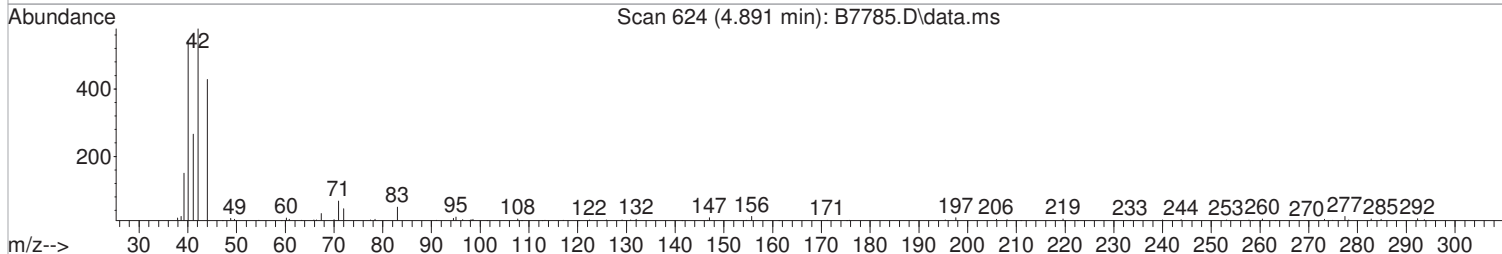
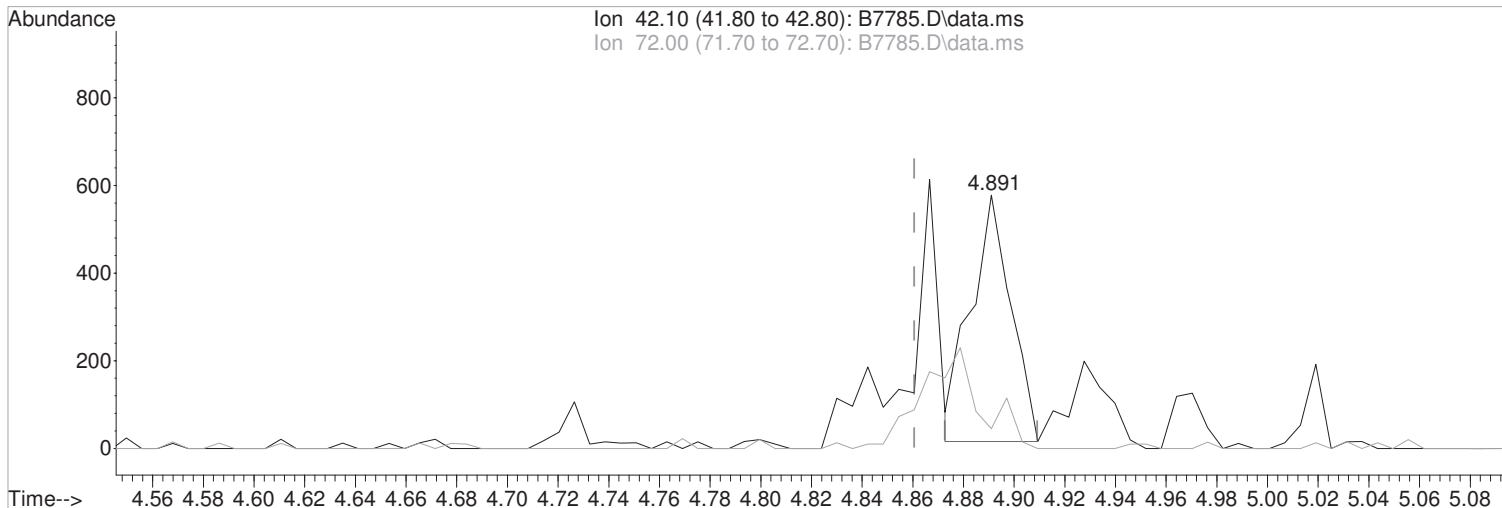
| Ion | Exp% | Act% |
|-------|-------|-------|
| 42.10 | 100 | 100 |
| 72.00 | 31.60 | 28.50 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



(39) Tetrahydrofuran
4.891min (+0.030) 0.54 ug/L
response 618

Manual Integration:
Before

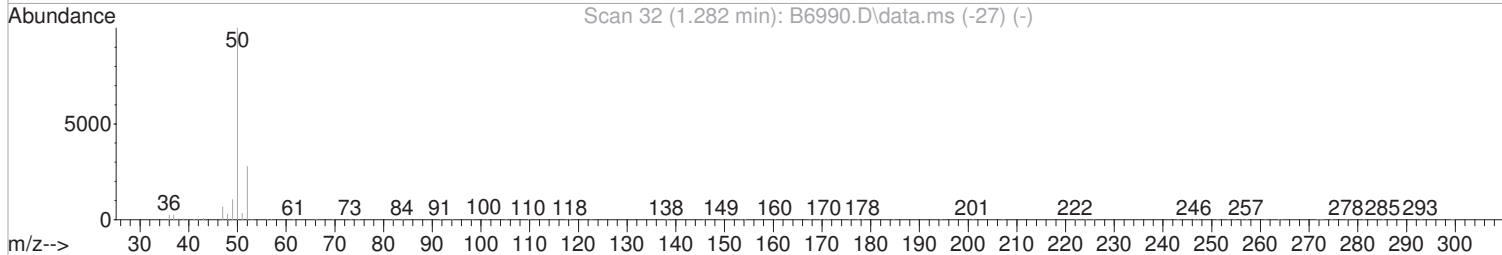
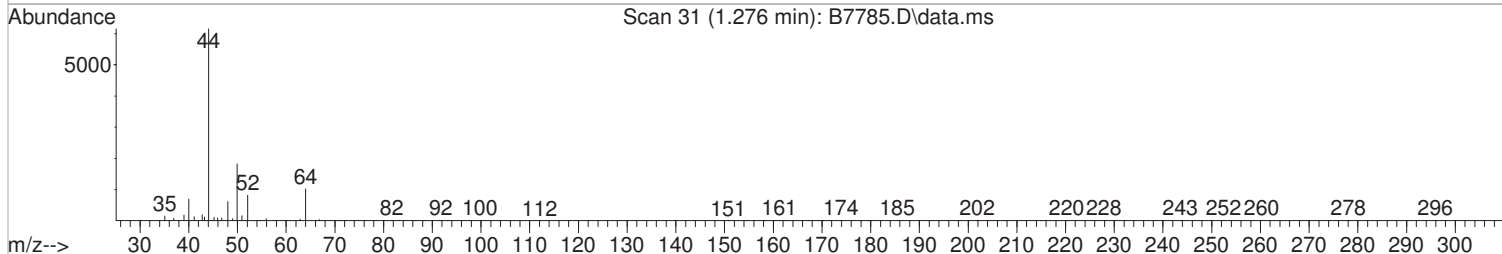
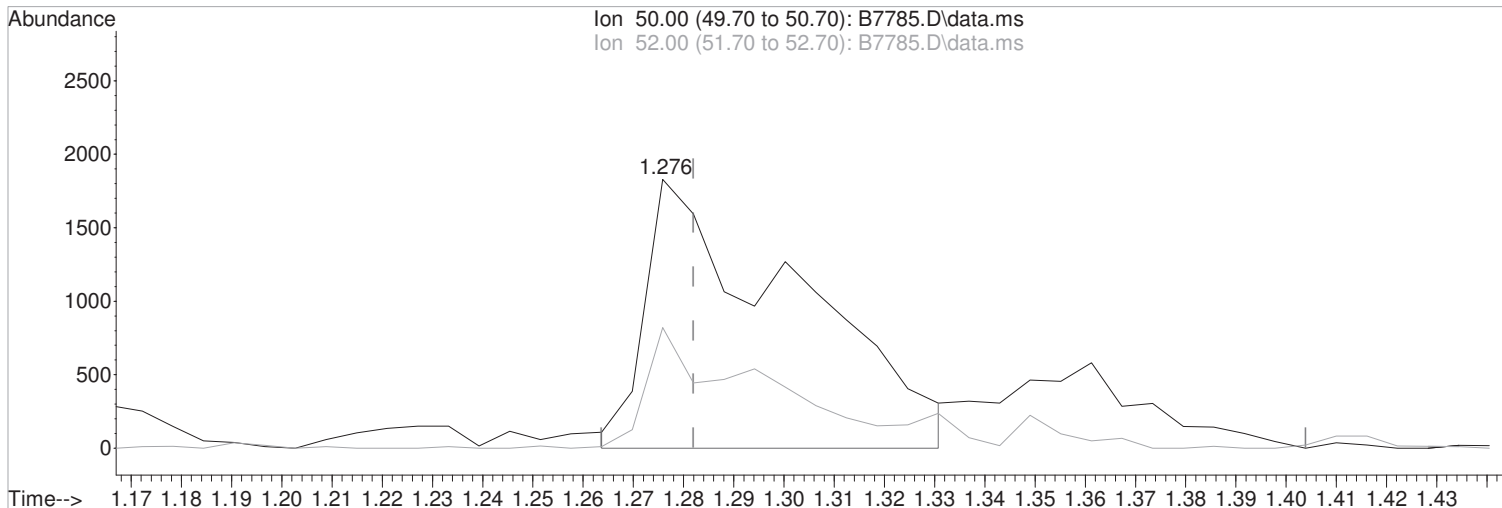
| Ion | Exp% | Act% |
|-------|-------|-------|
| 42.10 | 100 | 100 |
| 72.00 | 31.60 | 7.79# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(4) Chloromethane (P)
1.276min (-0.006) 1.14 ug/L m
response 3822

Manual Integration:
After
Poor integration.

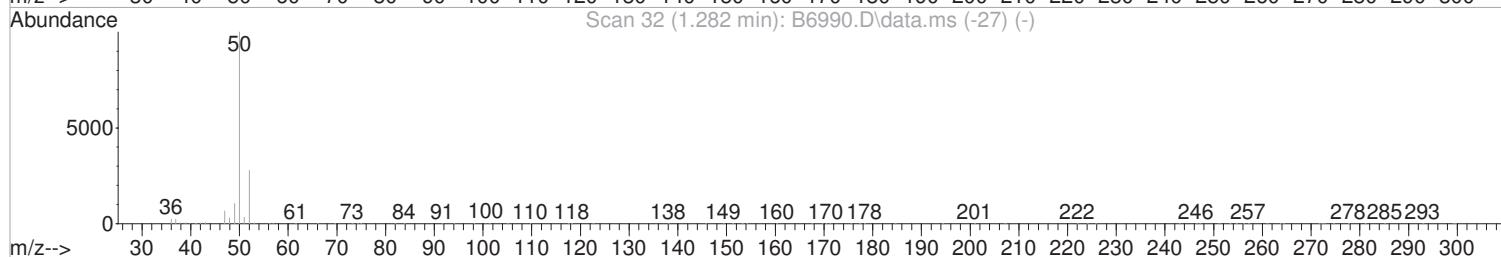
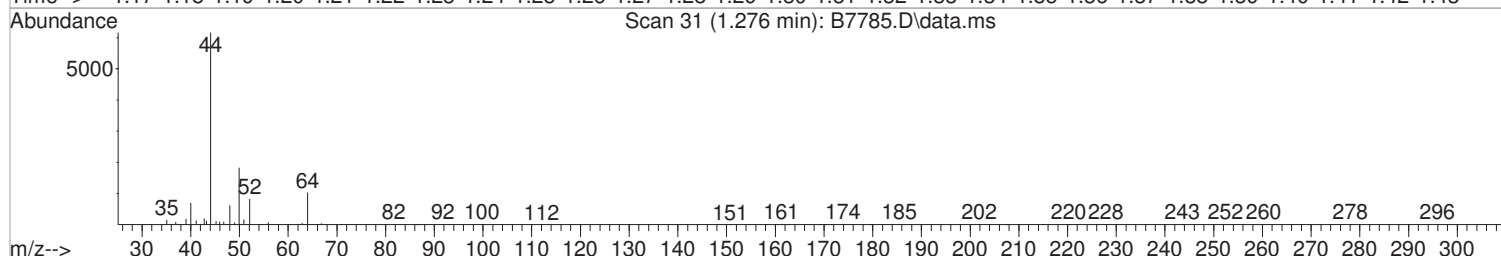
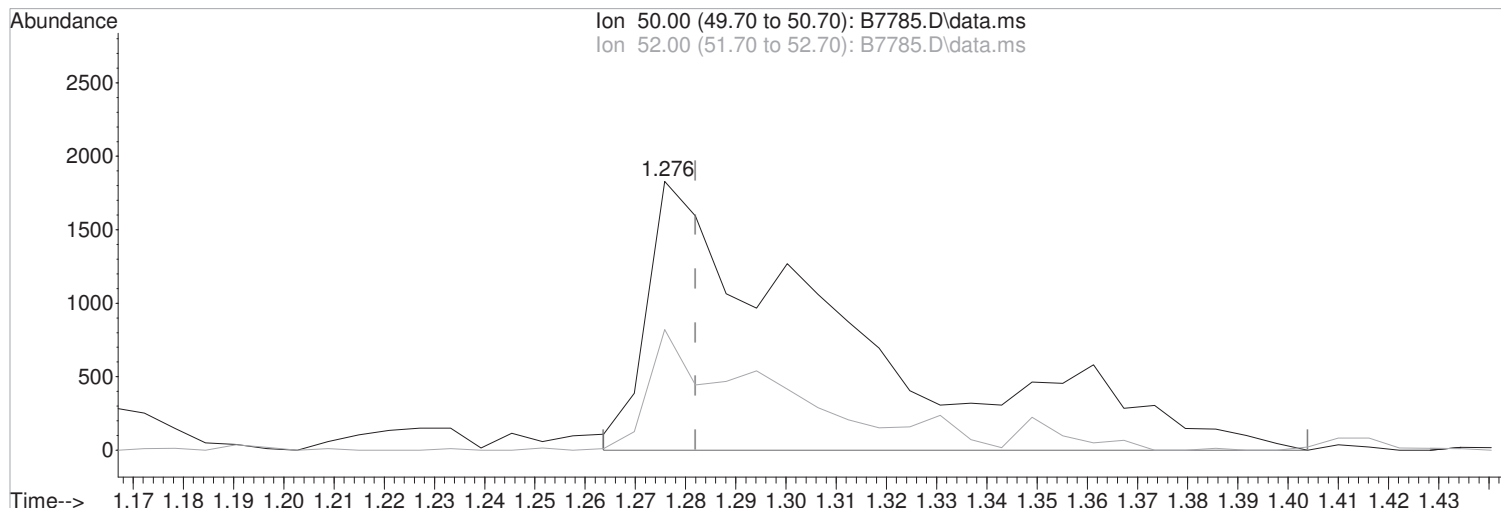
| Ion | Exp% | Act% |
|-------|-------|-------|
| 50.00 | 100 | 100 |
| 52.00 | 27.90 | 44.86 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(4) Chloromethane (P)
1.276min (-0.006) 1.48 ug/L
response 4976

Manual Integration:
Before

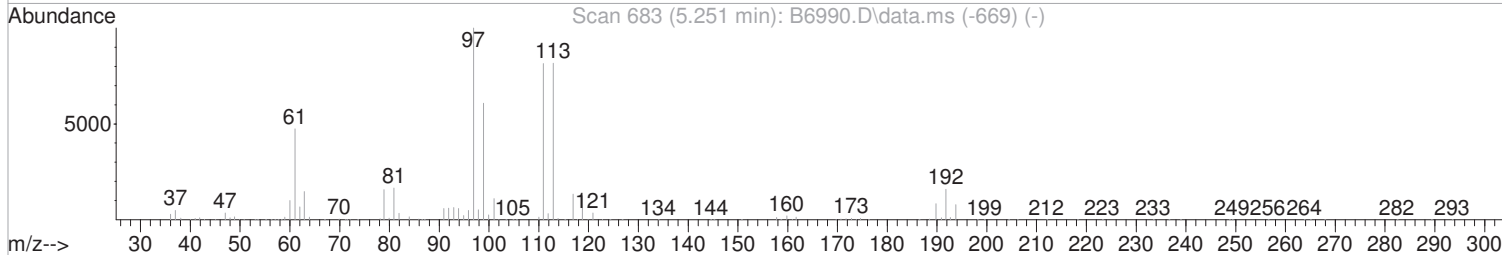
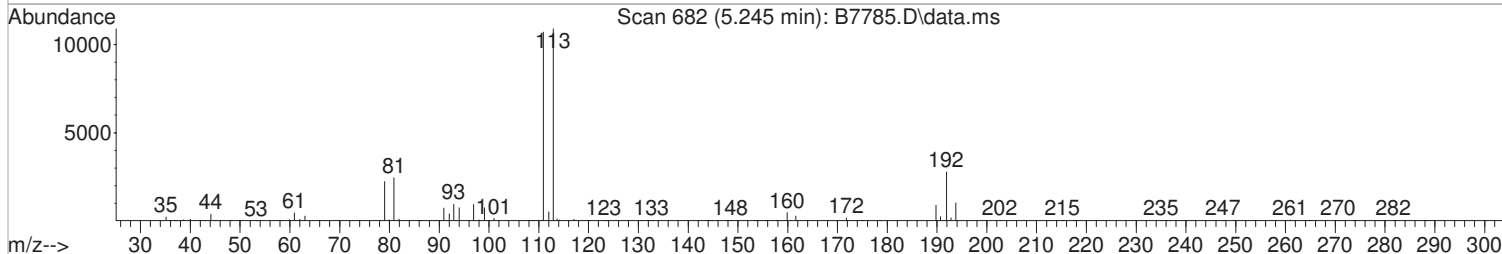
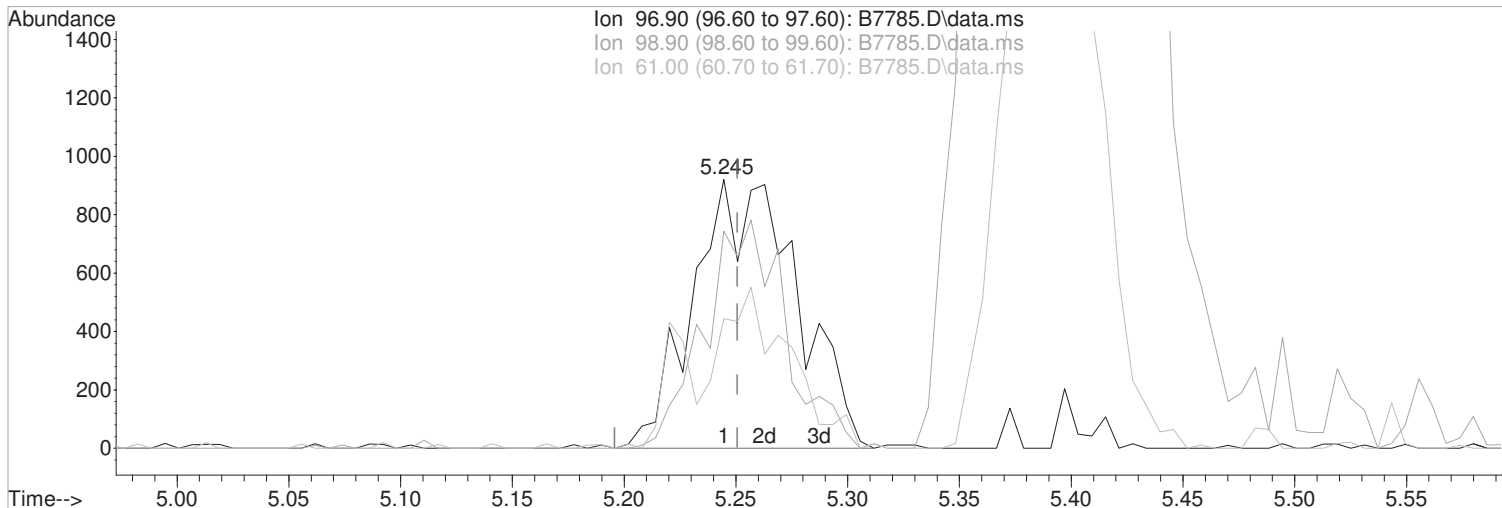
| Ion | Exp% | Act% |
|-------|-------|-------|
| 50.00 | 100 | 100 |
| 52.00 | 27.90 | 44.86 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



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

5.245min (-0.006) 0.90 ug/L m
response 2958

| Ion | Exp% | Act% |
|-------|-------|-------|
| 96.90 | 100 | 100 |
| 98.90 | 60.80 | 80.67 |
| 61.00 | 47.40 | 48.21 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

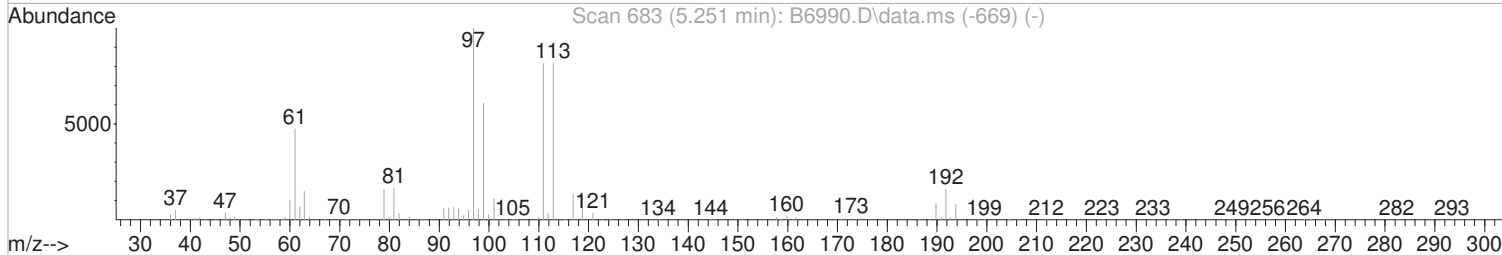
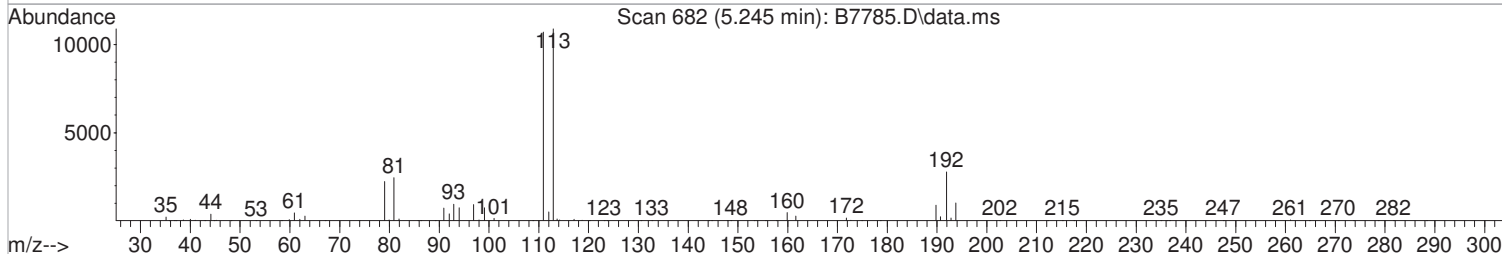
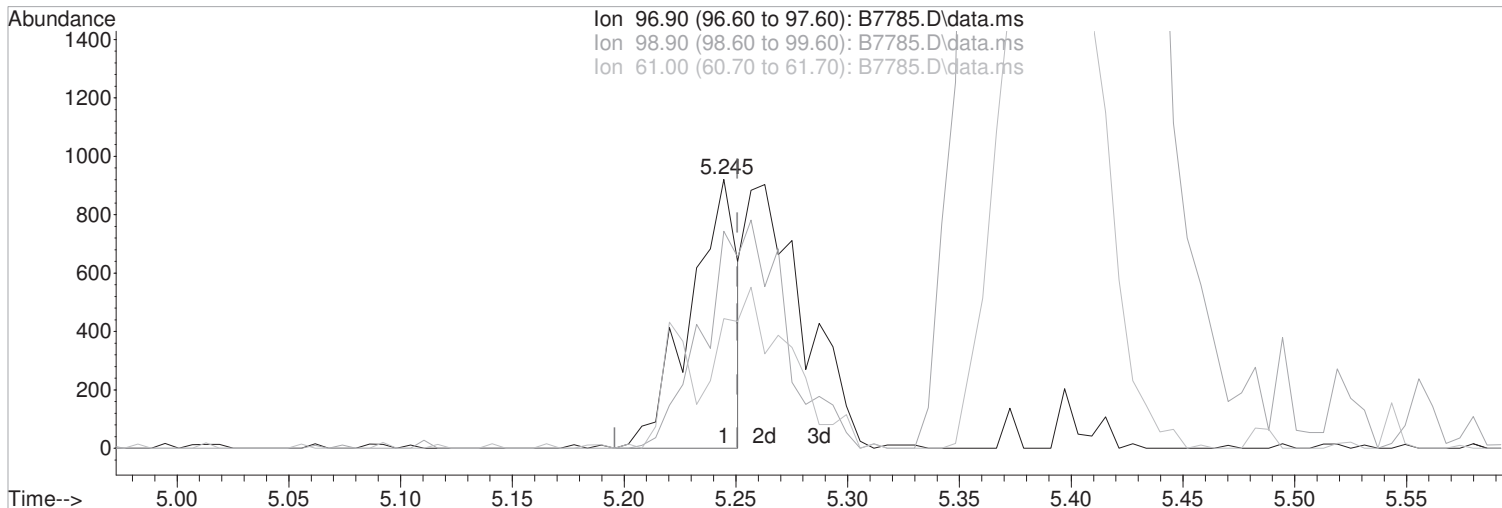
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

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

Manual Integration:

5.245min (-0.006) 0.41 ug/L

Before

response 1358

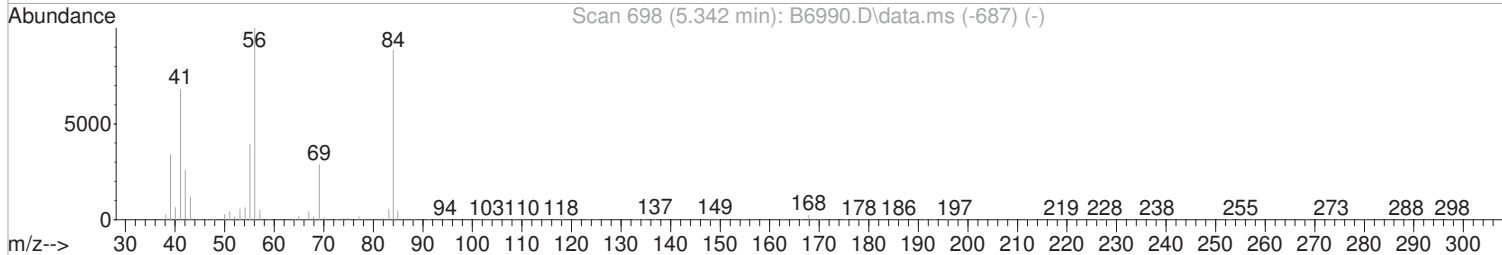
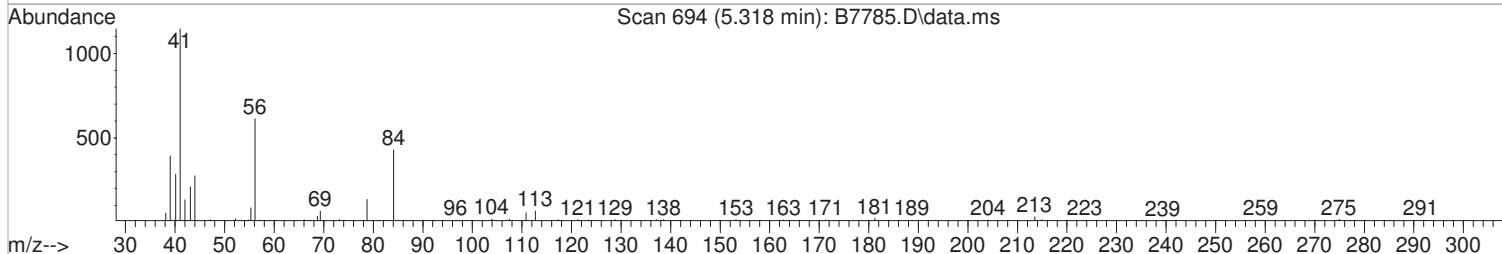
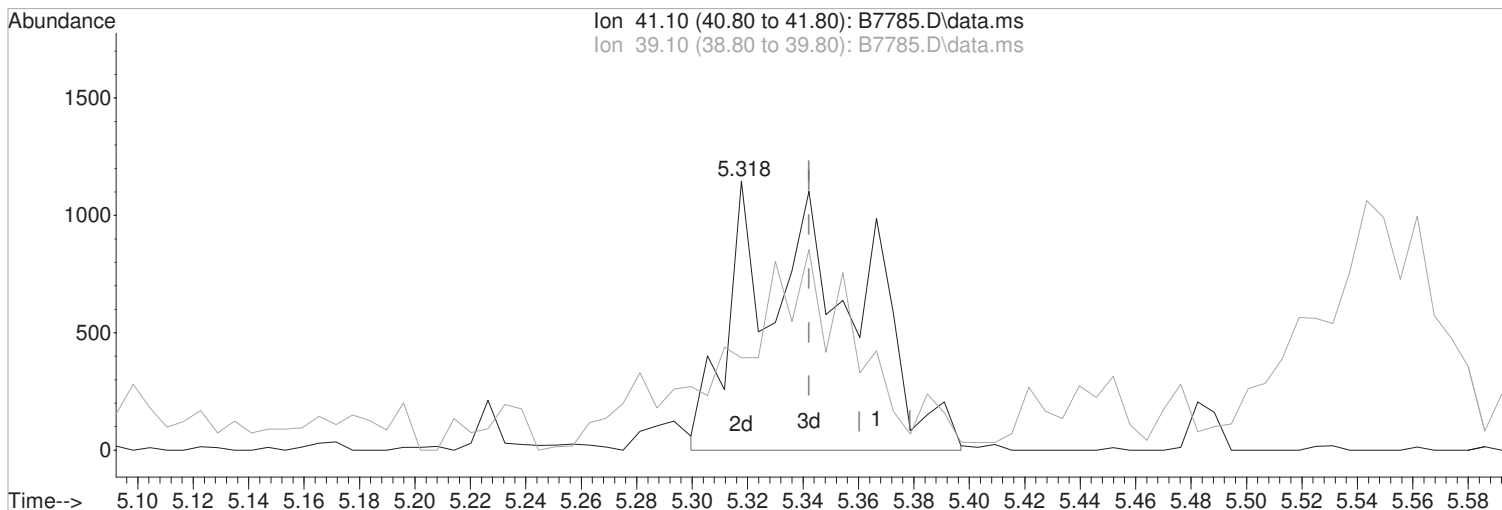
| Ion | Exp% | Act% |
|-------|-------|-------|
| 96.90 | 100 | 100 |
| 98.90 | 60.80 | 80.67 |
| 61.00 | 47.40 | 48.21 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



(43) Cyclohexane (P)
5.318min (-0.024) 1.13 ug/L m
response 3088

Manual Integration:
After
Poor integration.

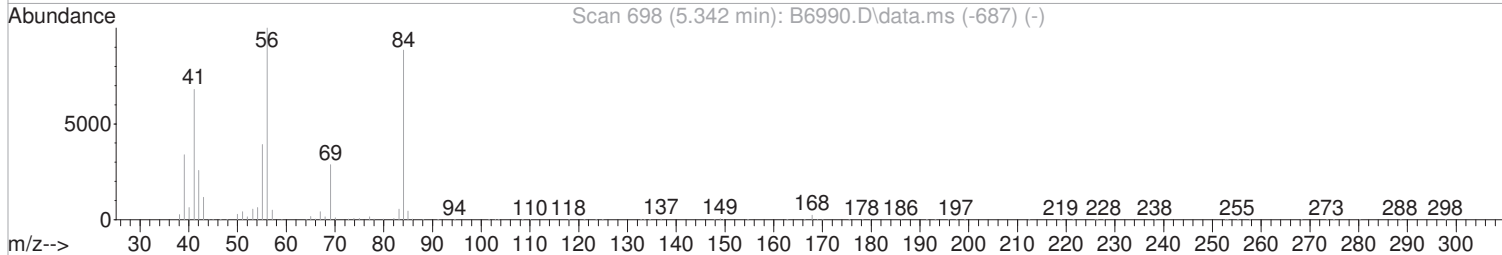
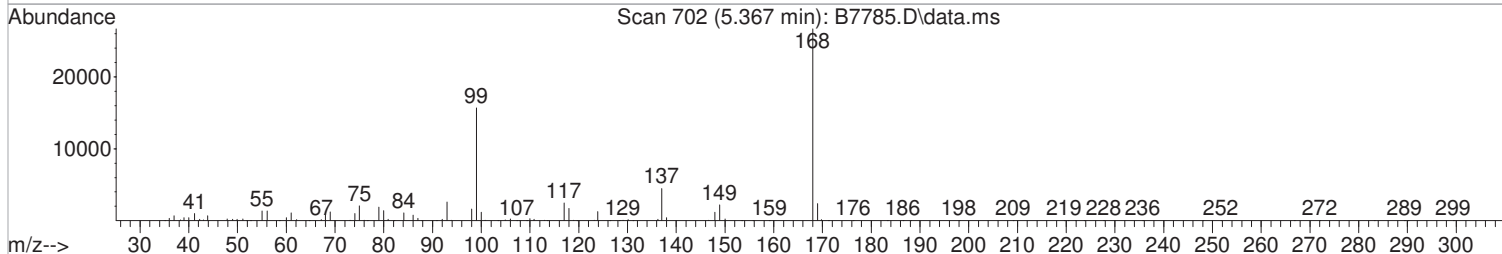
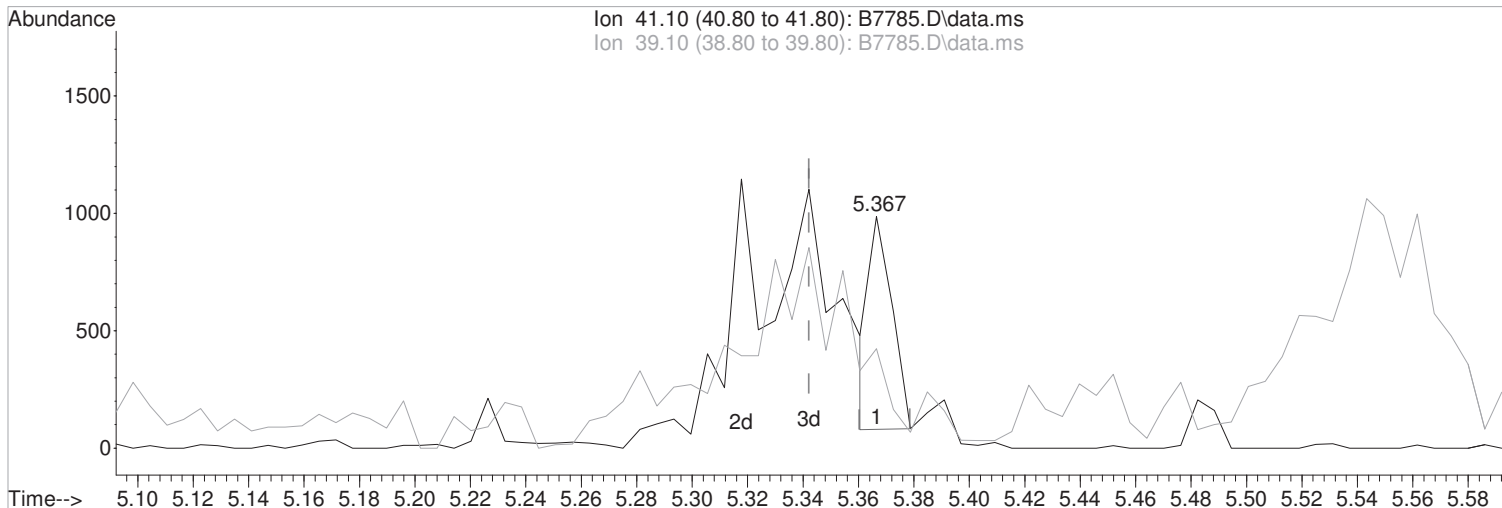
| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.10 | 100 | 100 |
| 39.10 | 50.70 | 34.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



(43) Cyclohexane (P)
5.367min (+0.024) 0.19 ug/L
response 516

Manual Integration:
Before

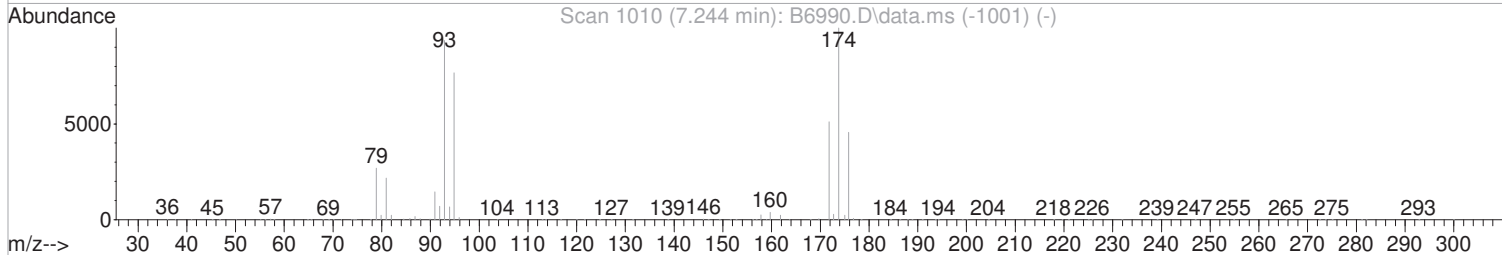
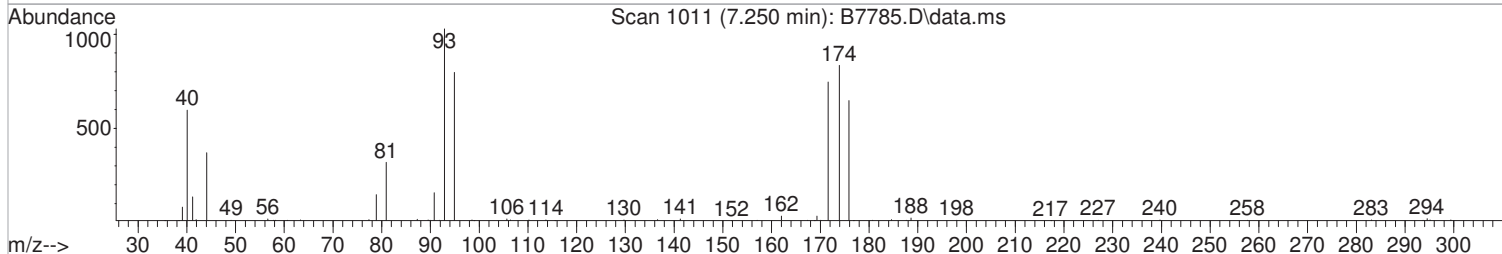
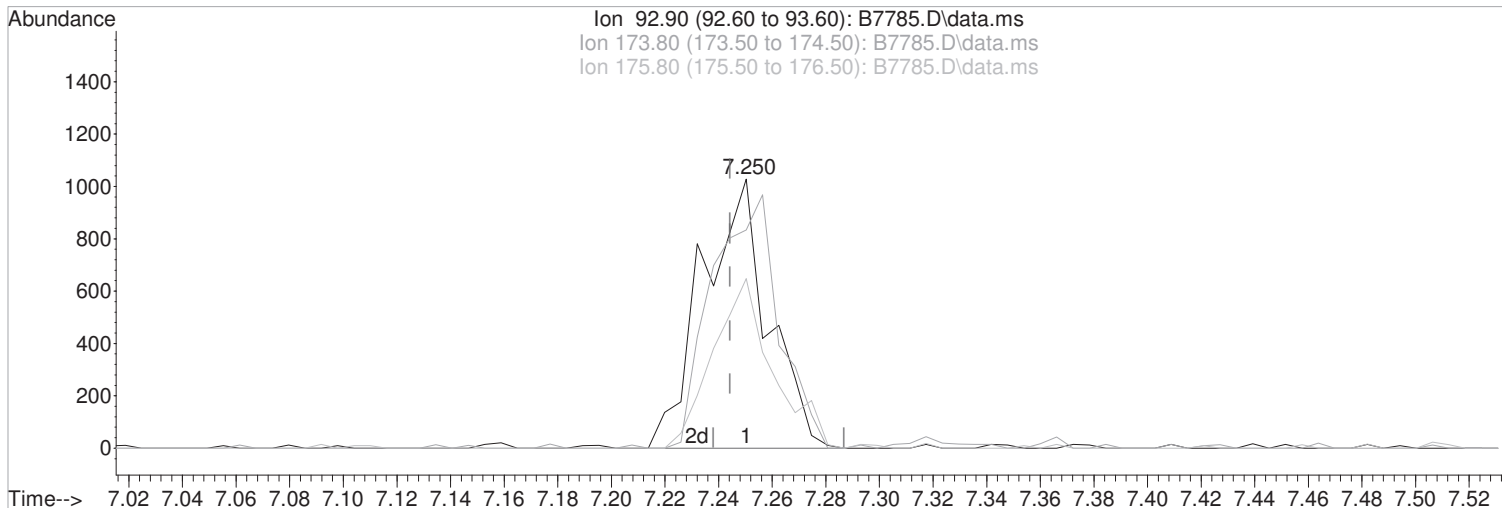
| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.10 | 100 | 100 |
| 39.10 | 50.70 | 42.96 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(57) Dibromomethane

7.250min (+0.006) 1.03 ug/L m

response 1750

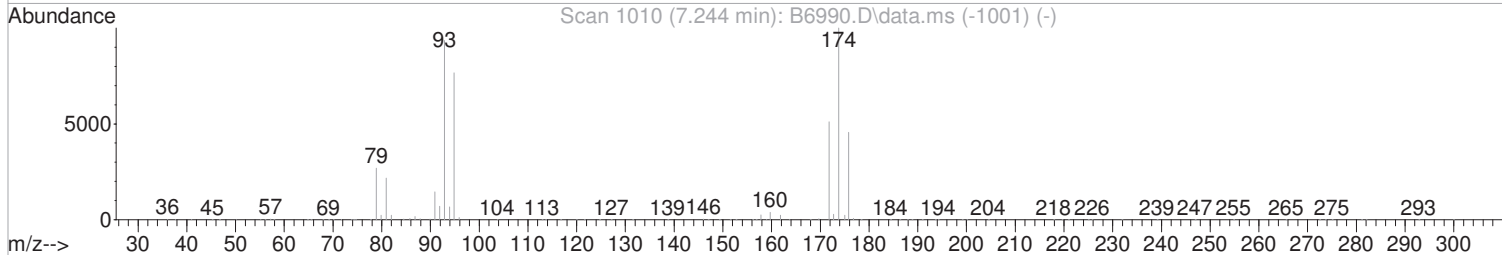
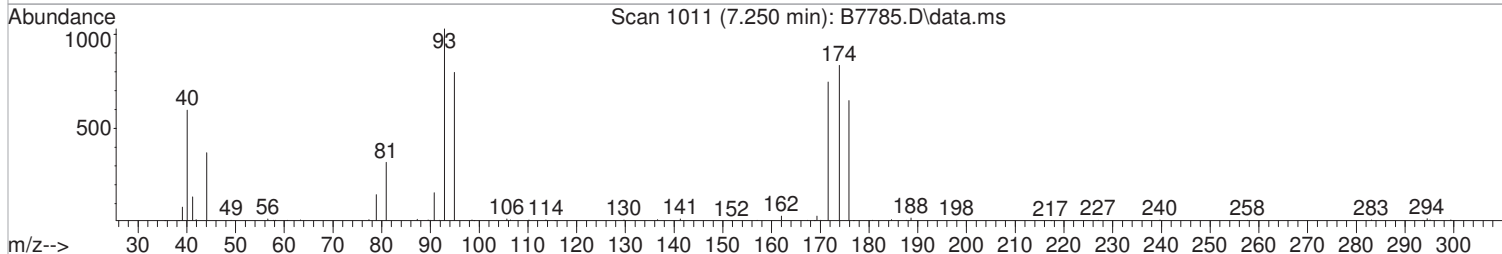
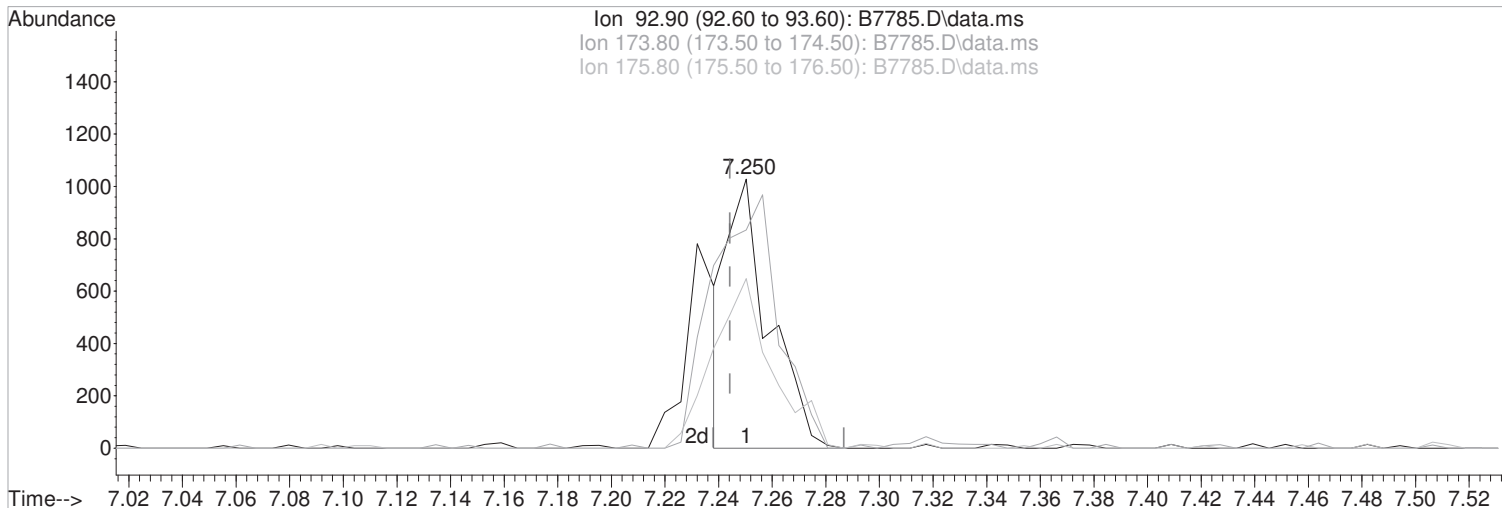
| Ion | Exp% | Act% |
|--------|--------|--------|
| 92.90 | 100 | 100 |
| 173.80 | 107.00 | 81.13# |
| 175.80 | 48.80 | 63.04 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

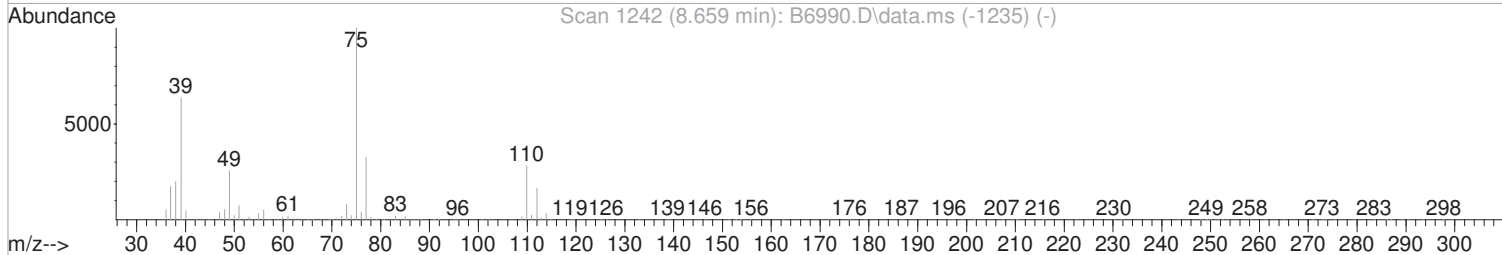
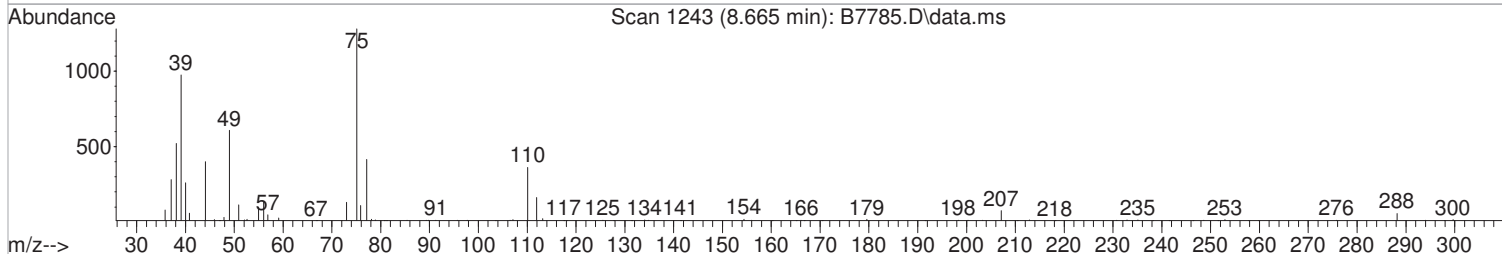
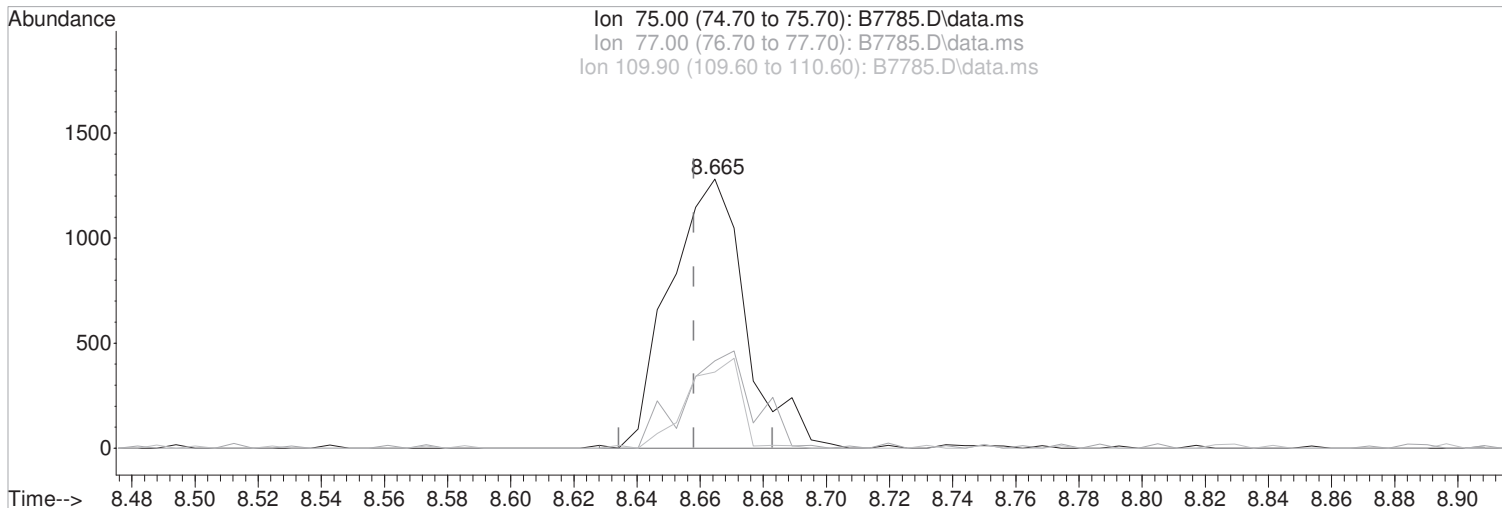
(57) Dibromomethane
7.250min (+0.006) 0.66 ug/L
response 1122
Ion Exp% Act%
92.90 100 100
173.80 107.00 81.13#
175.80 48.80 63.04
0.00 0.00 0.00

Manual Integration:
Before
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(67) trans-1,3-Dichloropropene (P)

8.665min (+0.007) 0.89 ug/L m

response 2140

| Ion | Exp% | Act% |
|--------|-------|-------|
| 75.00 | 100 | 100 |
| 77.00 | 32.60 | 32.50 |
| 109.90 | 28.20 | 28.36 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

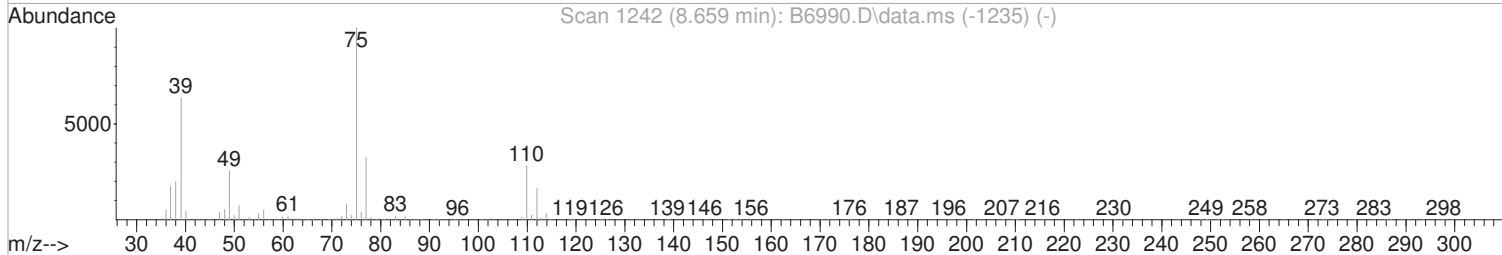
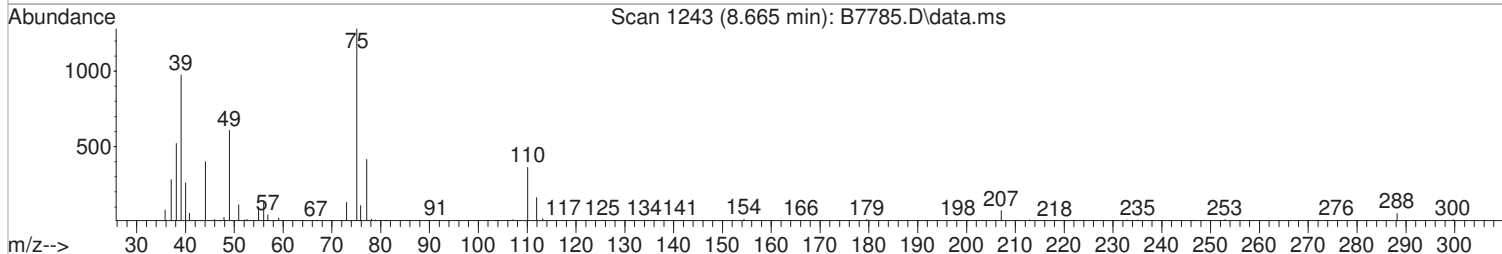
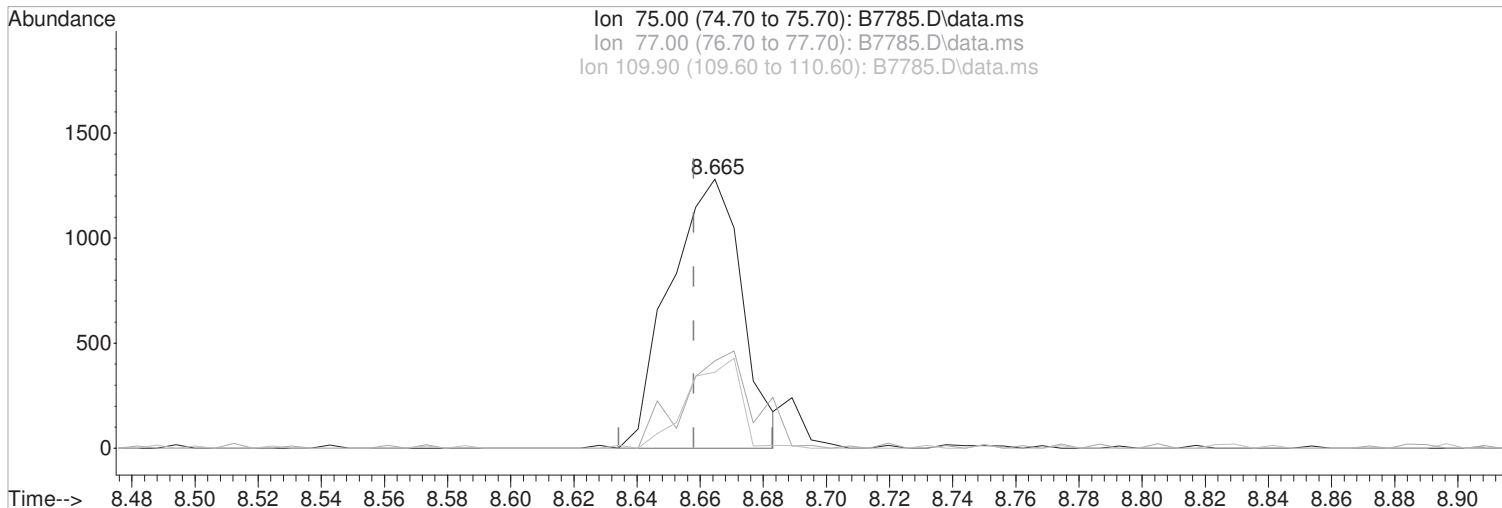
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(67) trans-1,3-Dichloropropene (P)

Manual Integration:

8.665min (+0.007) 0.85 ug/L

Before

response 2030

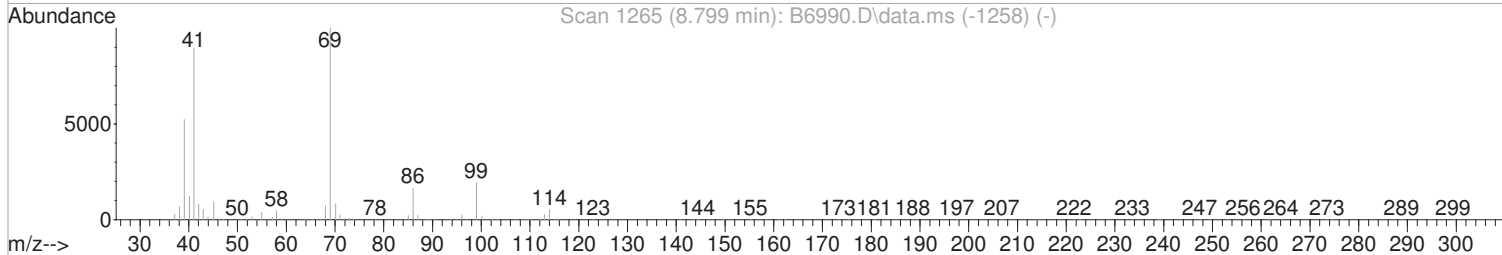
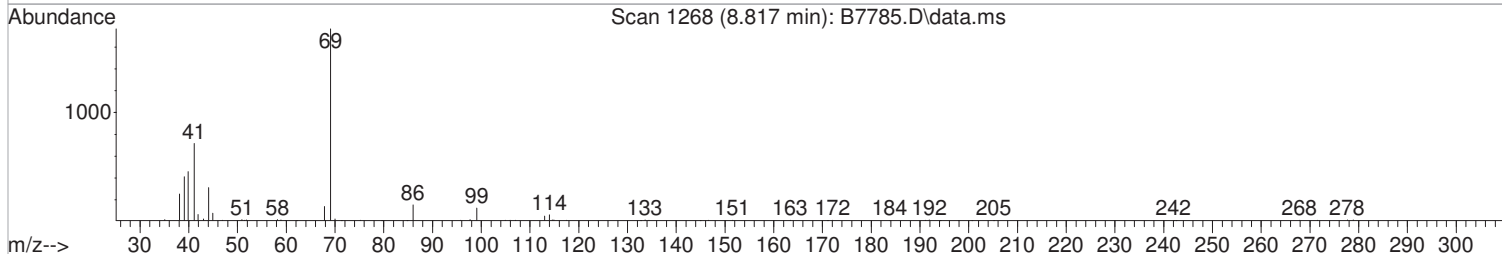
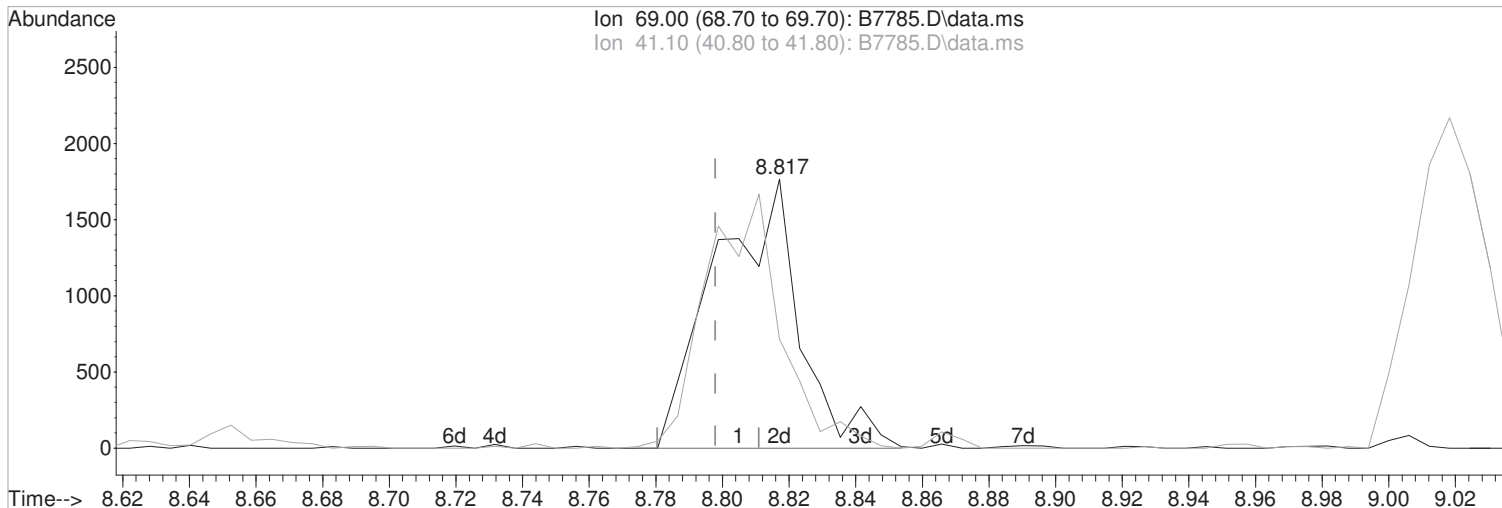
| Ion | Exp% | Act% |
|--------|-------|-------|
| 75.00 | 100 | 100 |
| 77.00 | 32.60 | 32.50 |
| 109.90 | 28.20 | 28.36 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(68) Ethyl Methacrylate
8.817min (+0.019) 1.08 ug/L m
response 3131

Manual Integration:
After
Poor integration.

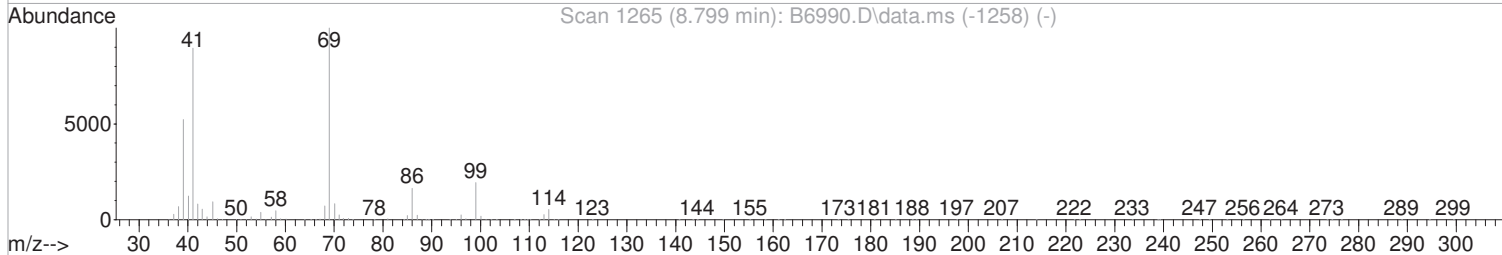
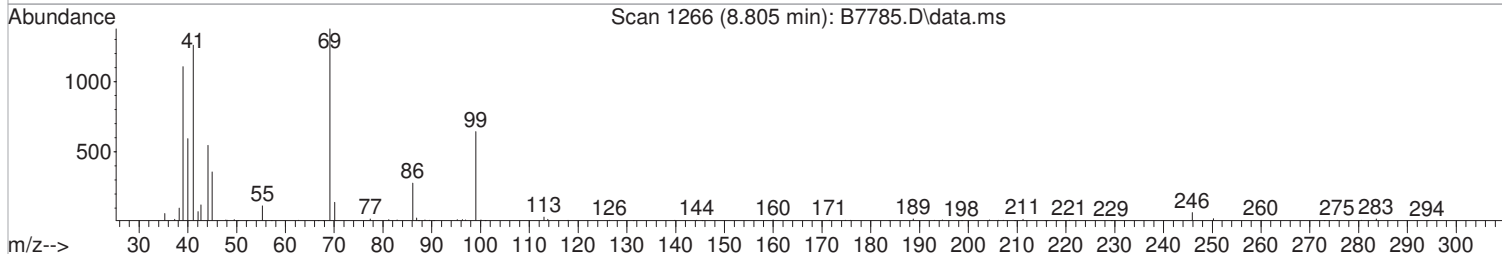
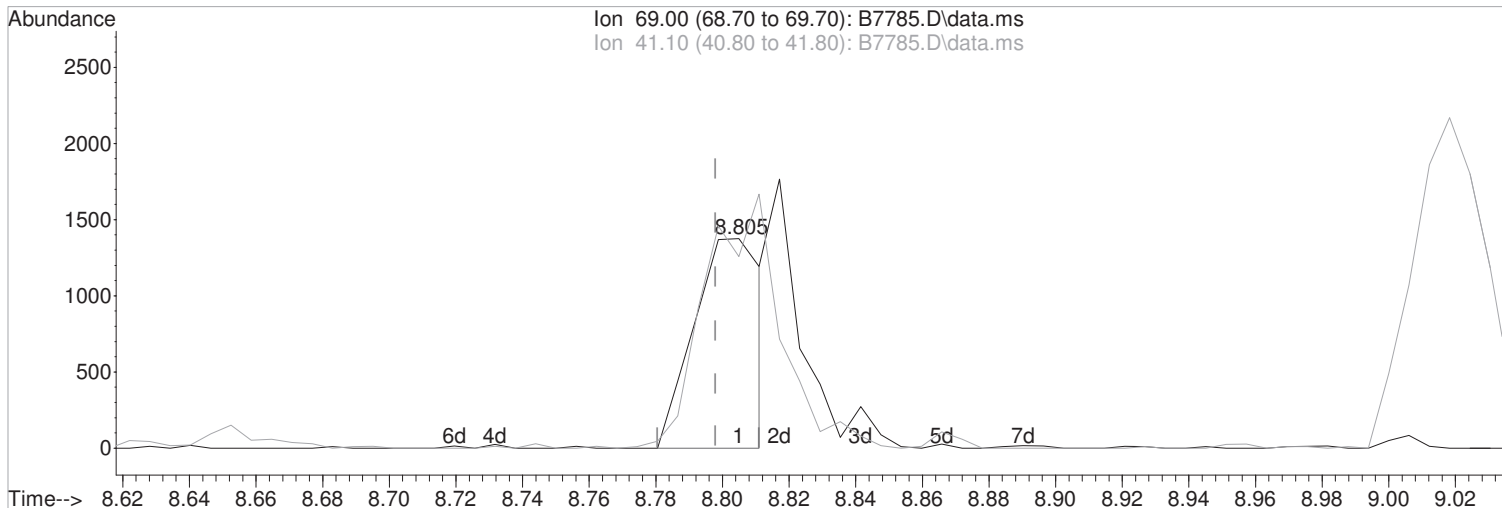
| Ion | Exp% | Act% |
|-------|-------|--------|
| 69.00 | 100 | 100 |
| 41.10 | 89.80 | 40.54# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(68) Ethyl Methacrylate
8.805min (+0.007) 0.67 ug/L
response 1931

Manual Integration:
Before

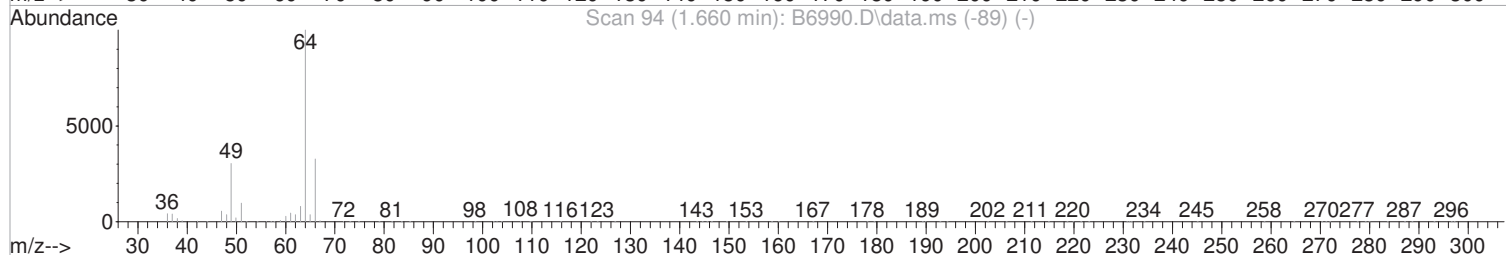
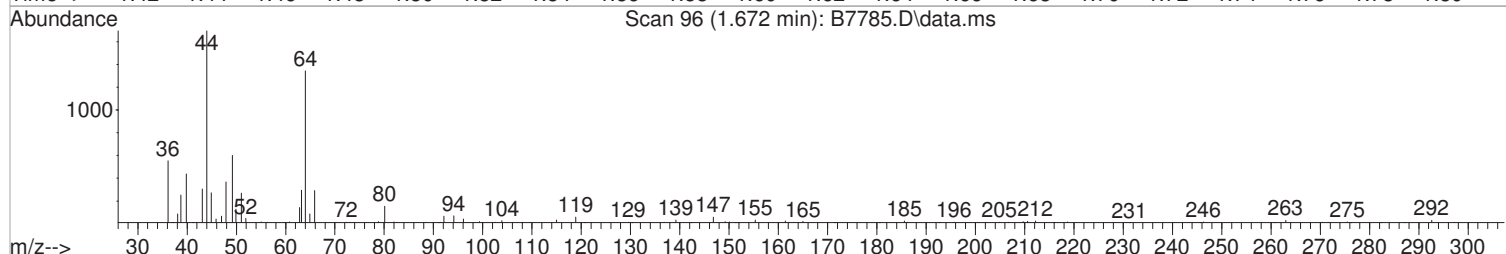
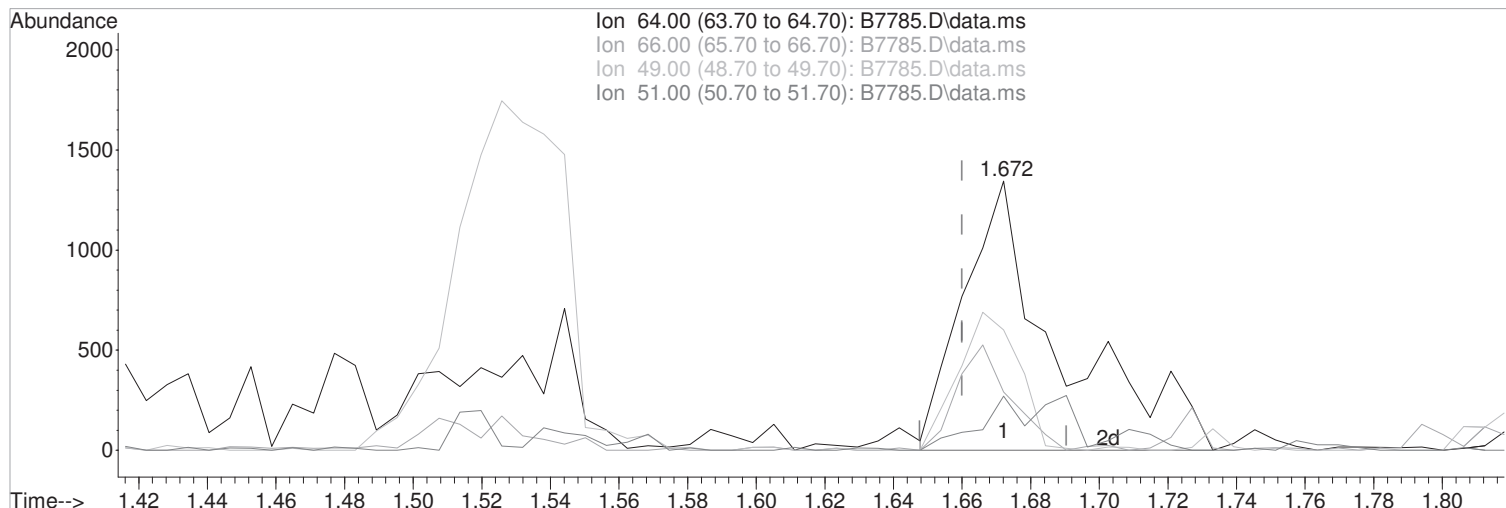
| Ion | Exp% | Act% |
|-------|-------|-------|
| 69.00 | 100 | 100 |
| 41.10 | 89.80 | 91.56 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(7) Chloroethane (P)

1.672min (+0.012) 1.21 ug/L m

response 2607

| Ion | Exp% | Act% |
|-------|-------|-------|
| 64.00 | 100 | 100 |
| 66.00 | 32.70 | 21.73 |
| 49.00 | 30.50 | 44.72 |
| 51.00 | 9.70 | 20.09 |

Manual Integration:

After

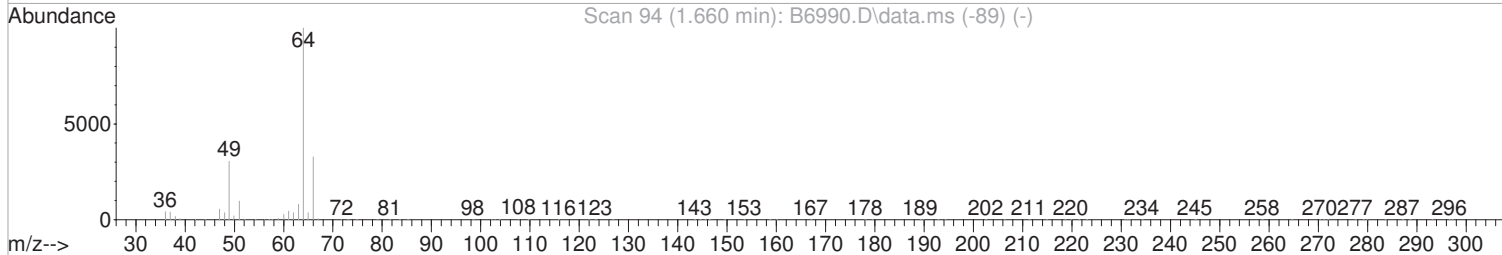
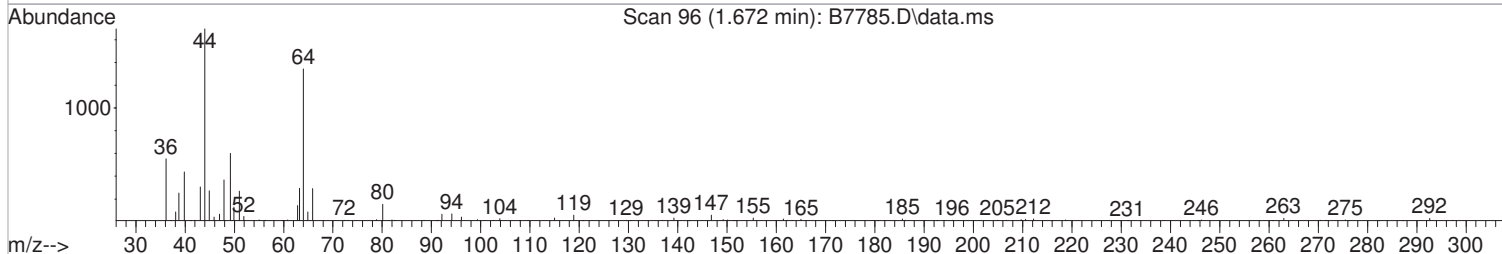
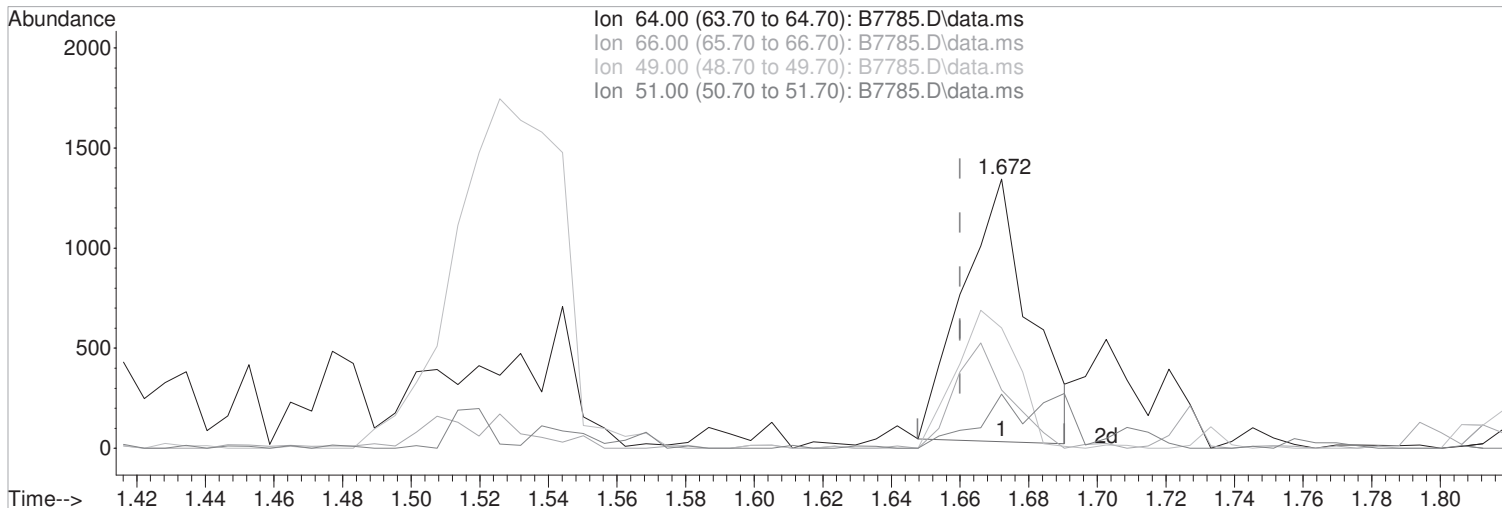
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7785.D
Acq On : 23 Jan 2023 5:32 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:10:20 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:08:48 2023
Response via : Initial Calibration



TIC: B7785.D\data.ms

(7) Chloroethane (P)
1.672min (+0.012) 0.83 ug/L
response 1780

Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|-------|-------|
| 64.00 | 100 | 100 |
| 66.00 | 32.70 | 21.73 |
| 49.00 | 30.50 | 44.72 |
| 51.00 | 9.70 | 20.09 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7785.D
 Acq On : 23 Jan 2023 5:32 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 24 09:14:24 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:08:48 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 282917 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 424935 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 393142 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 193983 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|---------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 30757 | 11.51 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 23.02%# | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 37146 | 12.69 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 25.38%# | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 123496 | 11.90 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 23.80%# | | |
| 70) SURR2,BFB | 10.884 | 95 | 42872 | 11.37 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 22.74%# | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|-------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 3417m | 1.01 | ug/L | |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 2569 | 1.10 | ug/L | 88 |
| 4) Chloromethane | 1.276 | 50 | 3822m | 1.14 | ug/L | |
| 5) Vinyl Chloride | 1.361 | 62 | 3485 | 0.99 | ug/L | 77 |
| 6) Bromomethane | 1.593 | 94 | 2696 | 1.11 | ug/L | 80 |
| 7) Chloroethane | 1.672 | 64 | 2607m | 1.21 | ug/L | |
| 8) Freon 21 | 1.818 | 67 | 4352 | 0.97 | ug/L | 96 |
| 9) Trichlorofluoromethane | 1.861 | 101 | 3417 | 0.86 | ug/L # | 77 |
| 10) Diethyl Ether | 2.087 | 59 | 2666 | 1.16 | ug/L | 85 |
| 11) Freon 123a | 2.099 | 67 | 2902 | 1.04 | ug/L | 95 |
| 12) Freon 123 | 2.148 | 83 | 3428 | 1.04 | ug/L | 90 |
| 13) Acrolein | 2.190 | 56 | 3754 | 7.49 | ug/L | 89 |
| 14) 1,1-Dicethene | 2.288 | 96 | 2495 | 1.14 | ug/L # | 83 |
| 15) Freon 113 | 2.288 | 101 | 2306 | 1.00 | ug/L | 82 |
| 16) Acetone | 2.331 | 43 | 2639 | 2.14 | ug/L | 82 |
| 17) 2-Propanol | 2.459 | 45 | 4390 | 23.15 | ug/L | 95 |
| 18) Iodomethane | 2.416 | 142 | 2175m | 0.64 | ug/L | |
| 19) Carbon Disulfide | 2.477 | 76 | 6641 | 1.03 | ug/L | 87 |
| 20) Acetonitrile | 2.580 | 41 | 2064 | 4.46 | ug/L # | 69 |
| 21) Allyl Chloride | 2.617 | 76 | 1013 | 0.93 | ug/L # | 54 |
| 22) Methyl Acetate | 2.641 | 43 | 3757 | 1.19 | ug/L | 84 |
| 23) Methylene Chloride | 2.733 | 84 | 3061 | 1.29 | ug/L | 88 |
| 24) TBA | 2.855 | 59 | 5420 | 19.30 | ug/L | 93 |
| 25) Acrylonitrile | 2.995 | 53 | 7477 | 5.92 | ug/L | 78 |
| 26) Methyl-t-Butyl Ether | 3.038 | 73 | 6650 | 1.02 | ug/L | 82 |
| 27) trans-1,2-Dichloroethene | 3.026 | 96 | 2368 | 0.97 | ug/L | 86 |
| 28) 1,1-Dicethane | 3.532 | 63 | 4882 | 1.13 | ug/L | 80 |
| 29) Vinyl Acetate | 3.623 | 86 | 203m | 0.65 | ug/L | |
| 30) DIPE | 3.660 | 45 | 10648 | 1.18 | ug/L | 86 |
| 31) 2-Chloro-1,3-Butadiene | 3.641 | 53 | 4221m | 1.06 | ug/L | |
| 32) ETBE | 4.190 | 59 | 6931 | 1.35 | ug/L | 92 |
| 33) 2,2-Dichloropropane | 4.367 | 77 | 1657 | 0.84 | ug/L | 80 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 3001 | 1.08 | ug/L | 94 |
| 35) 2-Butanone | 4.446 | 43 | 2729 | 1.42 | ug/L | 91 |
| 36) Propionitrile | 4.513 | 54 | 3135 | 6.21 | ug/L | 72 |
| 37) Bromochloromethane | 4.769 | 130 | 2193 | 1.10 | ug/L # | 79 |
| 38) Methacrylonitrile | 4.806 | 67 | 1633m | 1.39 | ug/L | |
| 39) Tetrahydrofuran | 4.867 | 42 | 1182m | 1.03 | ug/L | |
| 40) Chloroform | 4.958 | 83 | 4804 | 1.06 | ug/L | 94 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7785.D
 Acq On : 23 Jan 2023 5:32 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 24 09:14:24 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:08:48 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.245 | 97 | 2958m | 0.90 | ug/L | |
| 43) Cyclohexane | 5.318 | 41 | 3088m | 1.13 | ug/L | |
| 45) Carbontetrachloride | 5.537 | 117 | 2379 | 0.89 | ug/L | 88 |
| 46) 1,1-Dichloropropene | 5.562 | 75 | 2941 | 0.97 | ug/L | 78 |
| 48) Benzene | 5.866 | 78 | 9576 | 1.00 | ug/L | 91 |
| 49) 1,2-Dichloroethane | 5.909 | 62 | 3908 | 1.07 | ug/L | 83 |
| 50) Iso-Butyl Alcohol | 5.879 | 43 | 2676 | 19.67 | ug/L # | 58 |
| 51) TAME | 6.110 | 73 | 6028 | 1.25 | ug/L | 86 |
| 52) n-Heptane | 6.360 | 43 | 3791 | 1.25 | ug/L | 82 |
| 53) 1-Butanol | 6.866 | 56 | 2554 | 34.64 | ug/L # | 49 |
| 54) Trichloroethene | 6.824 | 130 | 2903 | 1.05 | ug/L # | 70 |
| 55) Methylcyclohexane | 7.067 | 55 | 3106 | 1.00 | ug/L | 85 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 2704 | 1.10 | ug/L # | 62 |
| 57) Dibromomethane | 7.250 | 93 | 1750m | 1.03 | ug/L | |
| 58) 1,4-Dioxane | 7.317 | 88 | 1240 | 28.17 | ug/L | 91 |
| 59) Methyl Methacrylate | 7.342 | 69 | 1714 | 1.01 | ug/L | 84 |
| 60) Bromodichloromethane | 7.464 | 83 | 3211 | 1.00 | ug/L | 93 |
| 61) 2-Nitropropane | 7.756 | 41 | 1206 | 1.73 | ug/L # | 71 |
| 62) 2-Chloroethylvinyl Ether | 7.890 | 63 | 953 | 0.91 | ug/L | 92 |
| 63) cis-1,3-Dichloropropene | 8.025 | 75 | 3328 | 1.08 | ug/L | 87 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 3939 | 1.14 | ug/L | 92 |
| 66) Toluene | 8.390 | 91 | 10924 | 1.00 | ug/L | 84 |
| 67) trans-1,3-Dichloropropene | 8.665 | 75 | 2140m | 0.89 | ug/L | |
| 68) Ethyl Methacrylate | 8.817 | 69 | 3131m | 1.08 | ug/L | |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 2477 | 0.96 | ug/L | 95 |
| 72) Tetrachloroethene | 8.982 | 164 | 2204 | 1.08 | ug/L # | 63 |
| 73) 2-Hexanone | 9.146 | 43 | 2949 | 1.20 | ug/L | 88 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 4727 | 1.16 | ug/L | 99 |
| 75) Dibromochloromethane | 9.244 | 129 | 2426 | 0.93 | ug/L | 88 |
| 76) N-Butyl Acetate | 9.299 | 43 | 4618 | 1.04 | ug/L | 79 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 2291 | 0.93 | ug/L | 92 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 3731 | 0.91 | ug/L | 86 |
| 79) Chlorobenzene | 9.835 | 112 | 7828 | 1.03 | ug/L | 95 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 2946 | 0.82 | ug/L | 96 |
| 81) 1,1,1,2-Tetrachloroethane | 9.921 | 131 | 1998 | 0.83 | ug/L # | 81 |
| 82) Ethylbenzene | 9.951 | 106 | 3781 | 0.98 | ug/L | 98 |
| 83) (m+p)Xylene | 10.073 | 106 | 8730 | 1.80 | ug/L | 94 |
| 84) o-Xylene | 10.427 | 106 | 5056 | 1.06 | ug/L | 94 |
| 85) Styrene | 10.439 | 104 | 7684 | 0.97 | ug/L | 94 |
| 86) Bromoform | 10.597 | 173 | 1485 | 0.88 | ug/L # | 34 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 4100 | 1.05 | ug/L | 98 |
| 88) Isopropylbenzene | 10.762 | 105 | 10840 | 0.96 | ug/L | 91 |
| 89) Cyclohexanone | 10.823 | 55 | 10504 | 23.81 | ug/L | 85 |
| 90) trans-1,4-Dichloro-2-B... | 11.073 | 53 | 537 | 0.89 | ug/L # | 44 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 3572 | 1.08 | ug/L # | 70 |
| 93) Bromobenzene | 11.006 | 156 | 3299 | 0.98 | ug/L | 86 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 1163 | 1.12 | ug/L # | 77 |
| 95) n-Propylbenzene | 11.115 | 91 | 12436 | 1.00 | ug/L | 97 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 8325 | 1.09 | ug/L | 85 |
| 97) 3-Chlorotoluene | 11.237 | 91 | 7941 | 1.00 | ug/L | 94 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 8454 | 0.96 | ug/L | 94 |
| 99) 1,3,5-Trimethylbenzene | 11.274 | 105 | 9950 | 1.03 | ug/L | 84 |
| 100) tert-Butylbenzene | 11.542 | 119 | 8186 | 1.01 | ug/L | 75 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 8692 | 0.93 | ug/L | 84 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 2528 | 0.90 | ug/L | 89 |
| 103) sec-Butylbenzene | 11.725 | 105 | 10203 | 0.90 | ug/L | 99 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7785.D
 Acq On : 23 Jan 2023 5:32 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 24 09:14:24 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:08:48 2023
 Response via : Initial Calibration

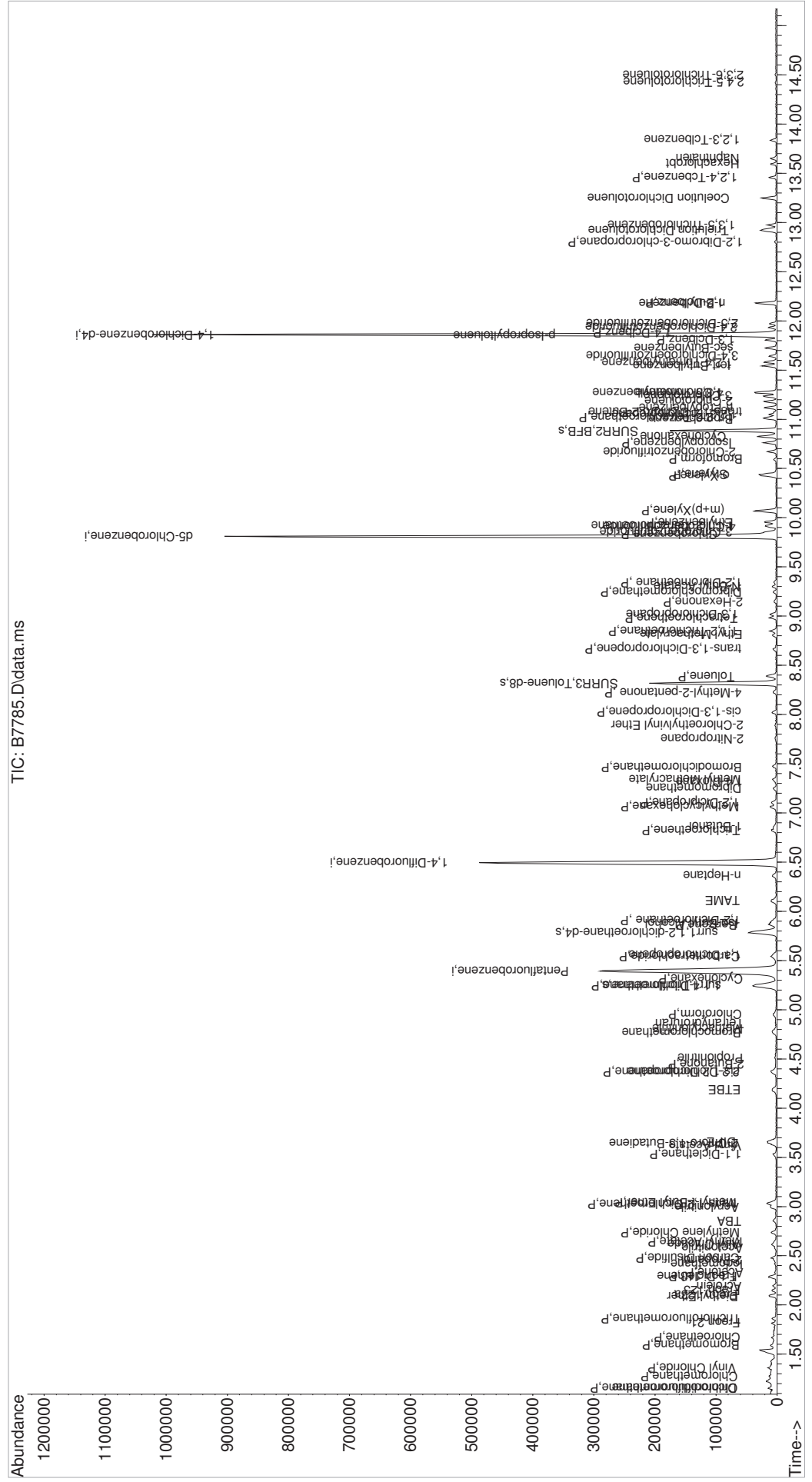
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|------|--------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 9441 | 0.93 | ug/L | 94 |
| 105) 1,3-Dclbenz | 11.810 | 146 | 5392 | 0.91 | ug/L | 81 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 6560 | 1.07 | ug/L | 95 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 2776 | 1.08 | ug/L # | 70 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 2430 | 0.83 | ug/L | 87 |
| 109) n-Butylbenzene | 12.176 | 91 | 7335 | 0.88 | ug/L | 94 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 5996 | 0.99 | ug/L | 91 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 647 | 1.01 | ug/L # | 52 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 11129 | 2.36 | ug/L | 94 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 3299 | 0.81 | ug/L | 96 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 8408 | 1.67 | ug/L | 82 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 2557 | 0.67 | ug/L | 83 |
| 116) Hexachlorobt | 13.597 | 225 | 1321 | 0.88 | ug/L # | 71 |
| 117) Naphthalen | 13.652 | 128 | 6155 | 0.63 | ug/L | 94 |
| 118) 1,2,3-Tclbenzene | 13.840 | 180 | 2186 | 0.58 | ug/L | 95 |
| 119) 2,4,5-Trichlorotoluene | 14.426 | 159 | 346 | 0.23 | ug/L # | 71 |
| 120) 2,3,6-Trichlorotoluene | 14.499 | 159 | 425 | 0.31 | ug/L # | 51 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
 Data File : B7785.D
 Acq On : 23 Jan 2023 5:32 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

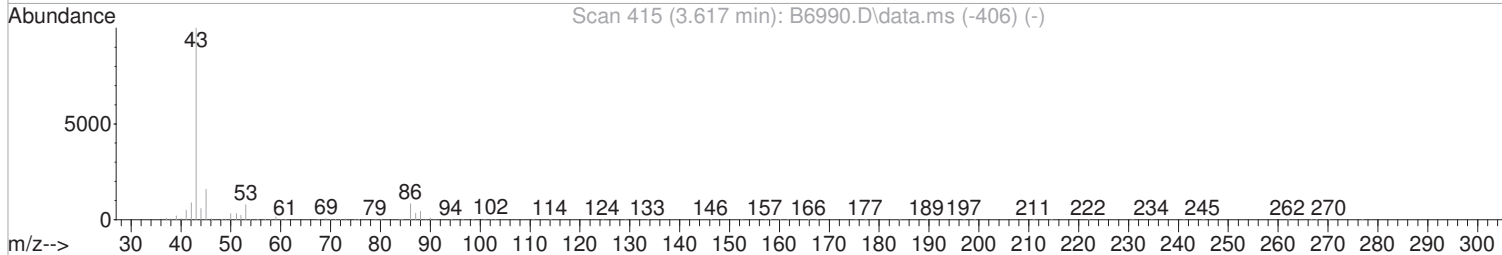
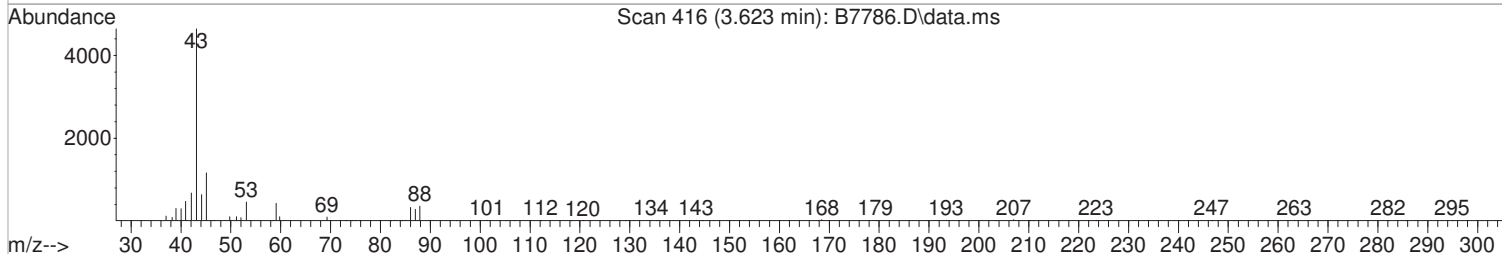
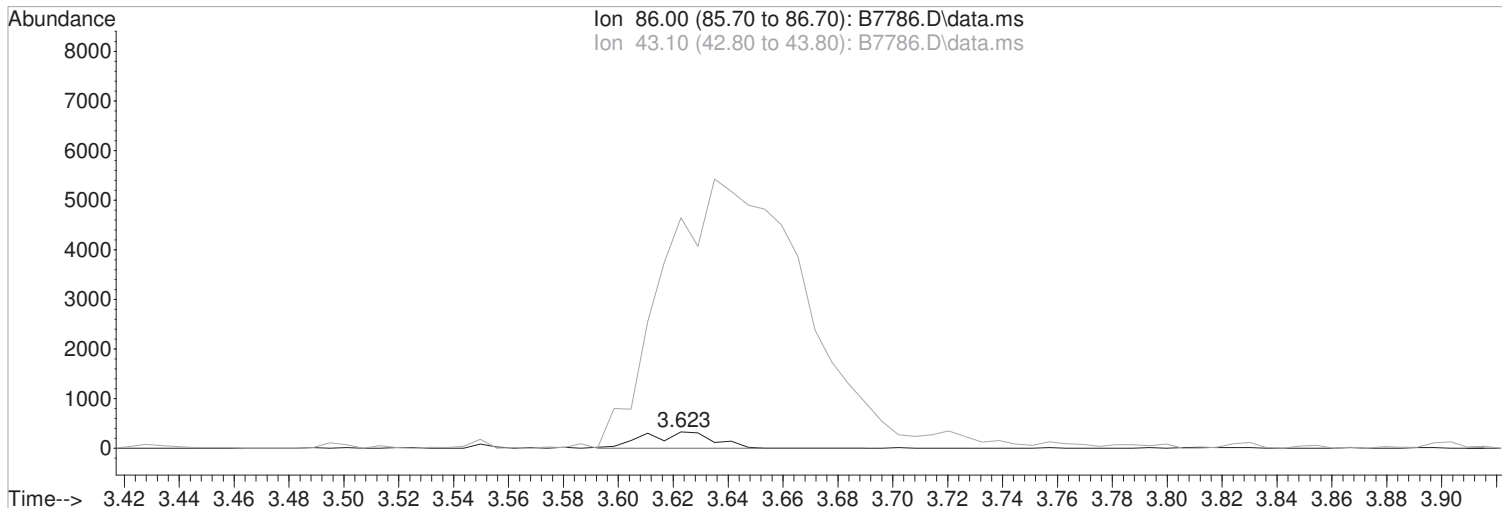
Quant Time: Jan 24 09:14:24 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:08:48 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



TIC: B7786.D\data.ms

(29) Vinyl Acetate
3.623min (+0.007) 1.86 ug/L m
response 571

Manual Integration:
After
Peak not found.

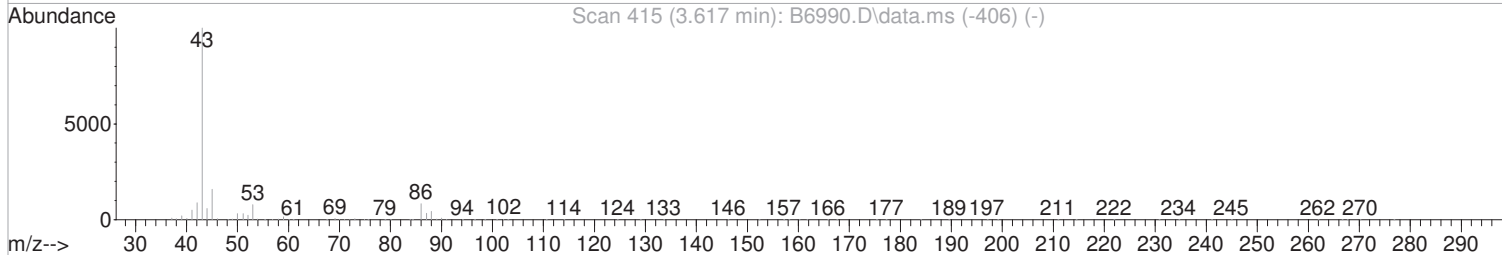
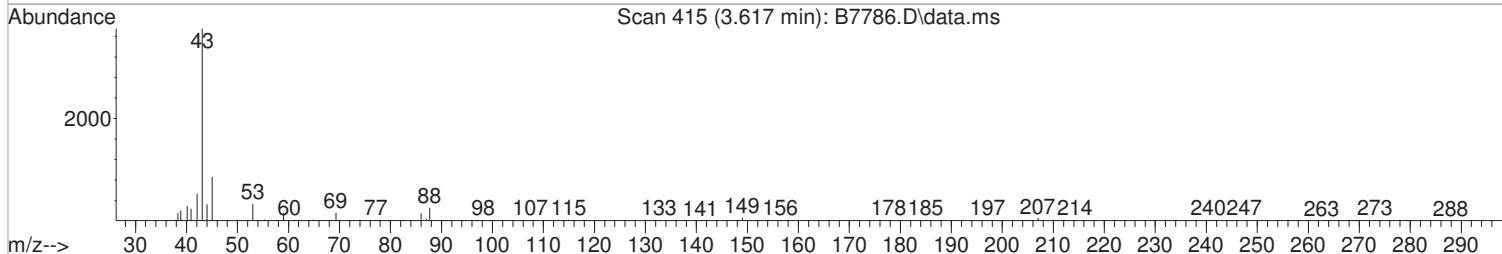
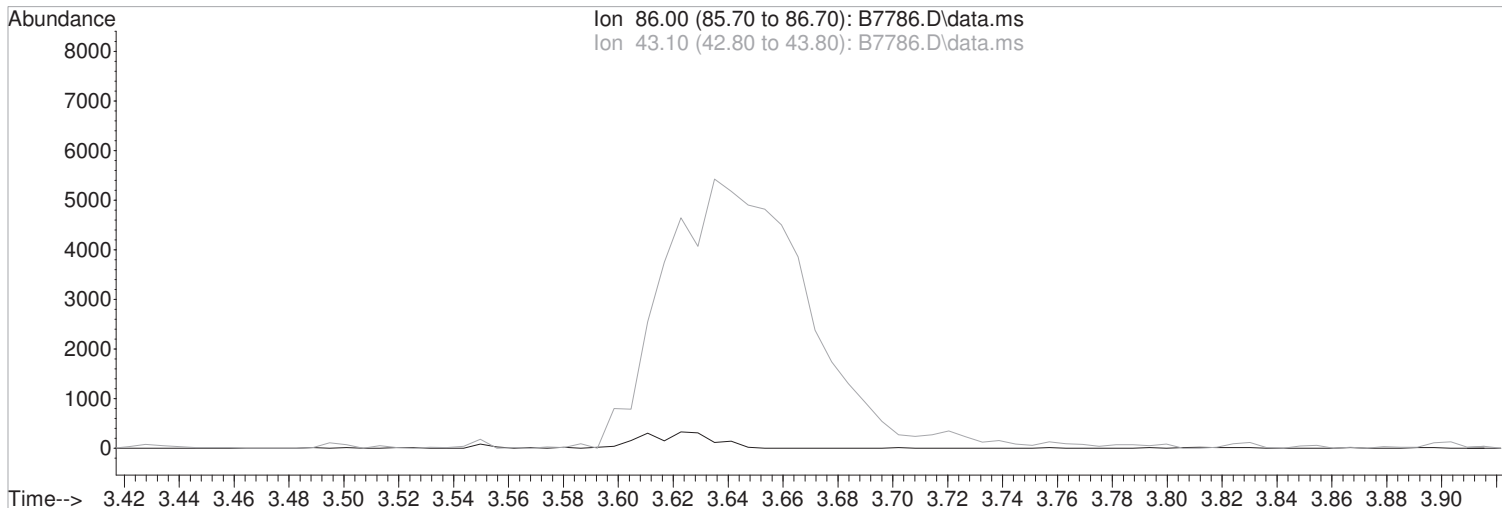
| Ion | Exp% | Act% |
|-------|---------|----------|
| 86.00 | 100 | 100 |
| 43.10 | 1206.00 | 1402.11# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



TIC: B7786.D\data.ms

(29) Vinyl Acetate
3.616min (-3.616) 0.00 ug/L
response 0

Manual Integration:
Before

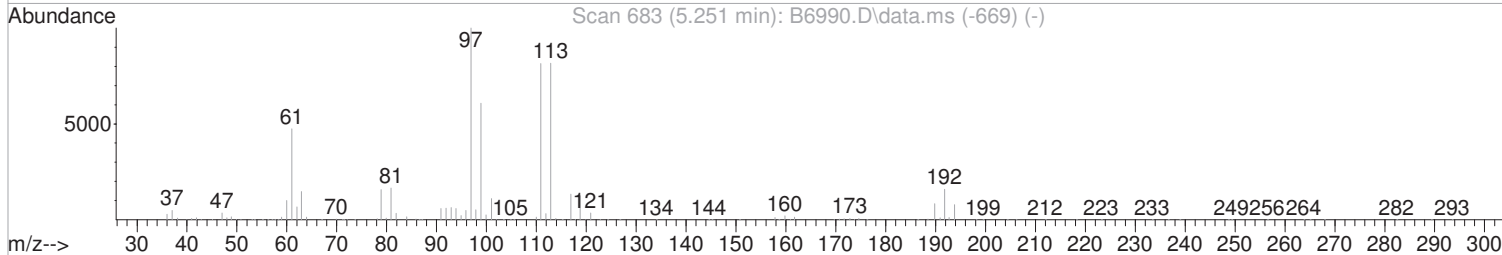
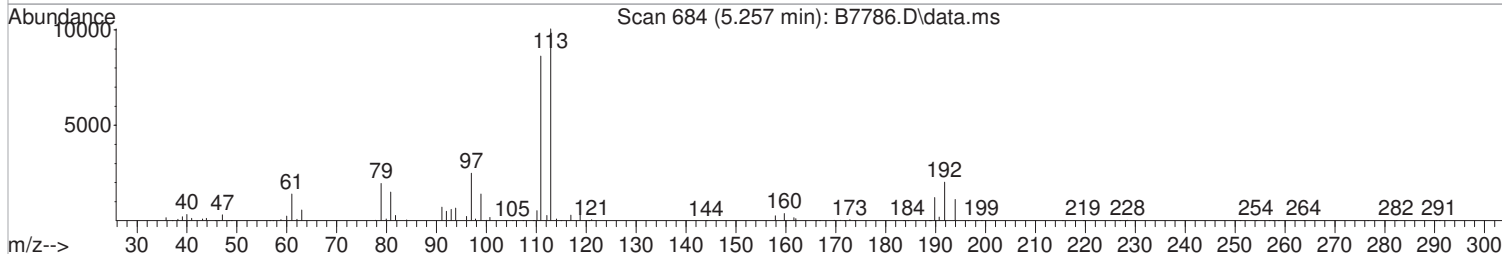
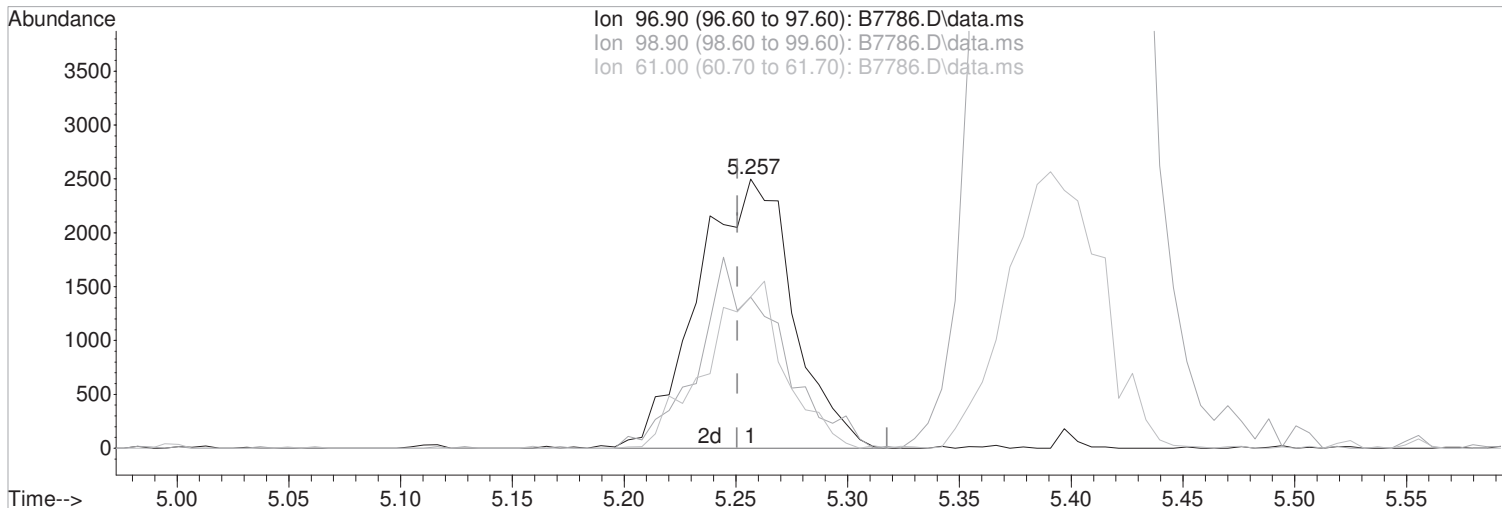
| Ion | Exp% | Act% |
|-------|---------|-------|
| 86.00 | 100 | 0.00 |
| 43.10 | 1206.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



TIC: B7786.D\data.ms

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

5.257min (+0.006) 2.26 ug/L m

response 7374

| Ion | Exp% | Act% |
|-------|-------|-------|
| 96.90 | 100 | 100 |
| 98.90 | 60.80 | 56.11 |
| 61.00 | 47.40 | 56.27 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

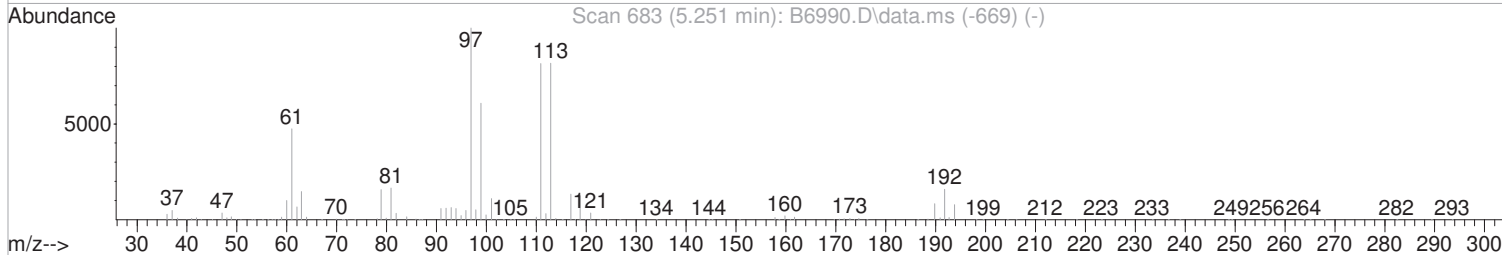
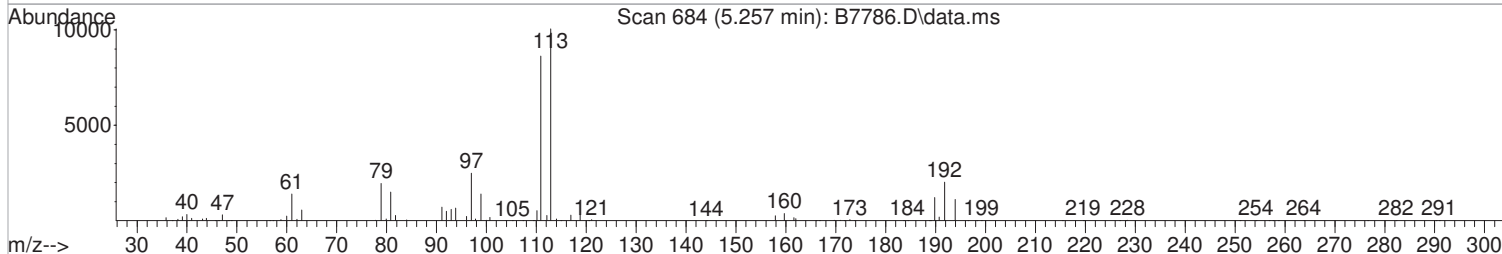
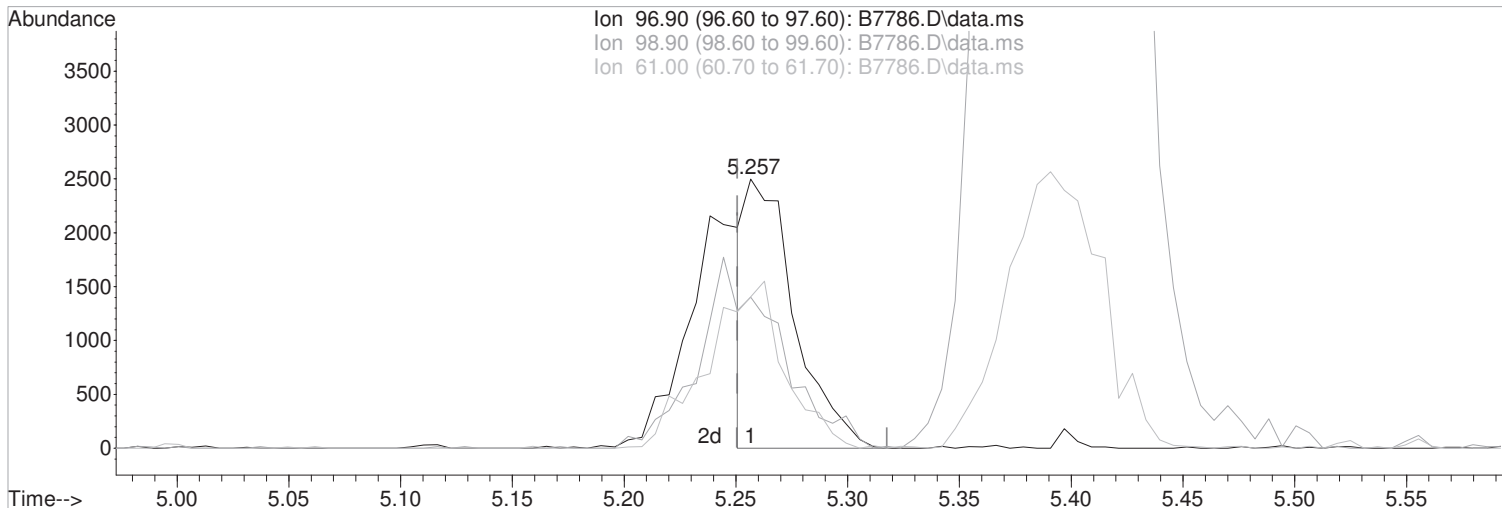
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



TIC: B7786.D\data.ms

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

Manual Integration:

5.257min (+0.006) 1.16 ug/L

Before

response 3796

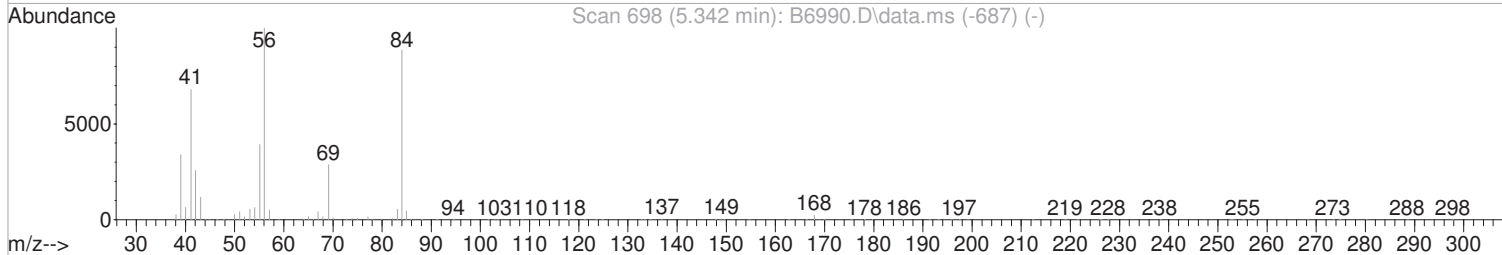
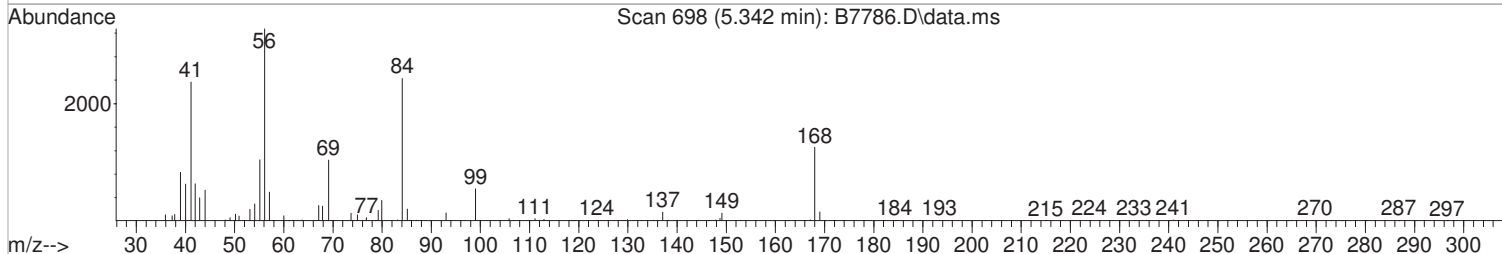
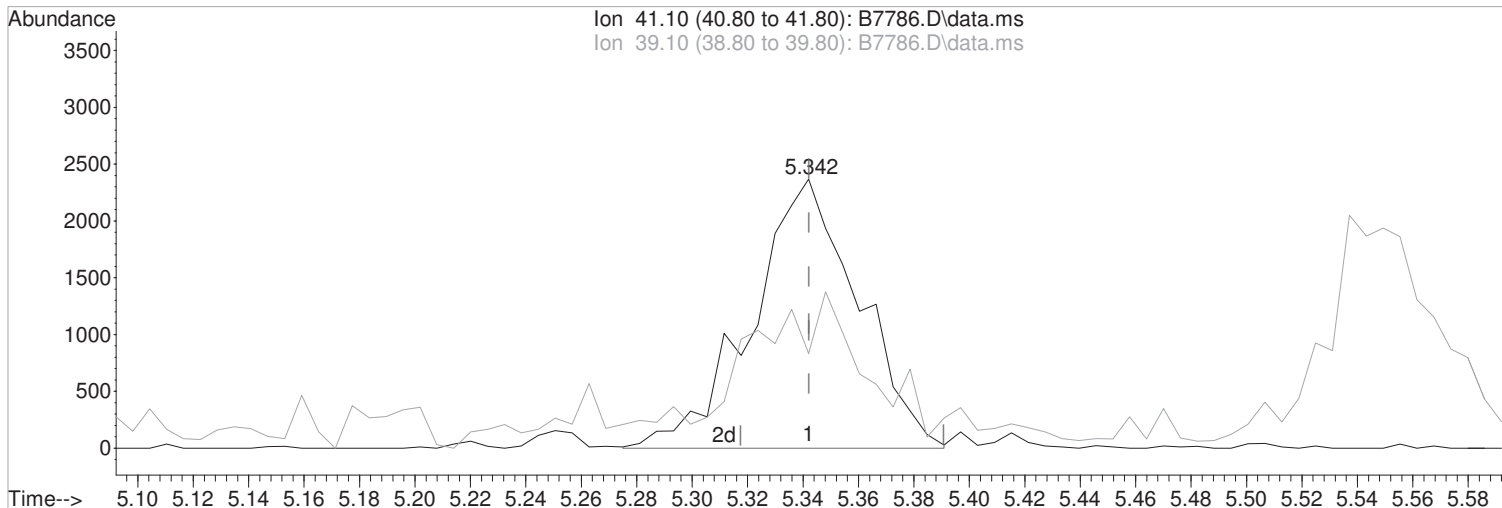
| Ion | Exp% | Act% |
|-------|-------|-------|
| 96.90 | 100 | 100 |
| 98.90 | 60.80 | 56.11 |
| 61.00 | 47.40 | 56.27 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



(43) Cyclohexane (P)

5.342min (-0.000) 2.28 ug/L m
response 6326

| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.10 | 100 | 100 |
| 39.10 | 50.70 | 35.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

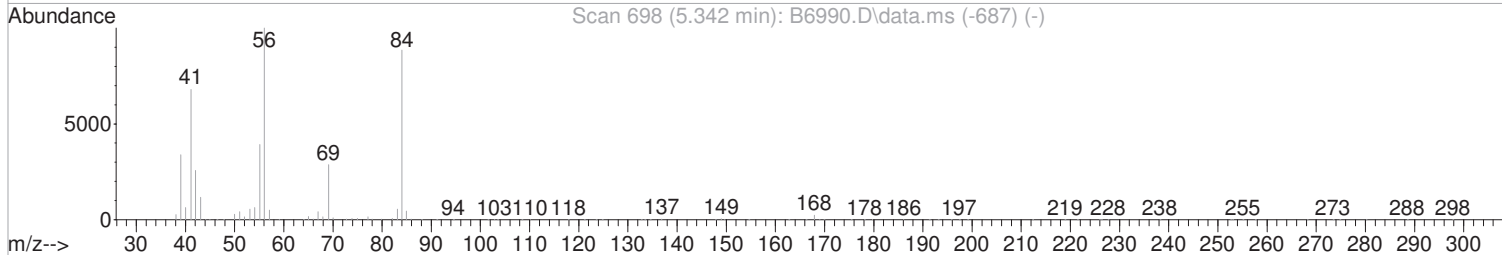
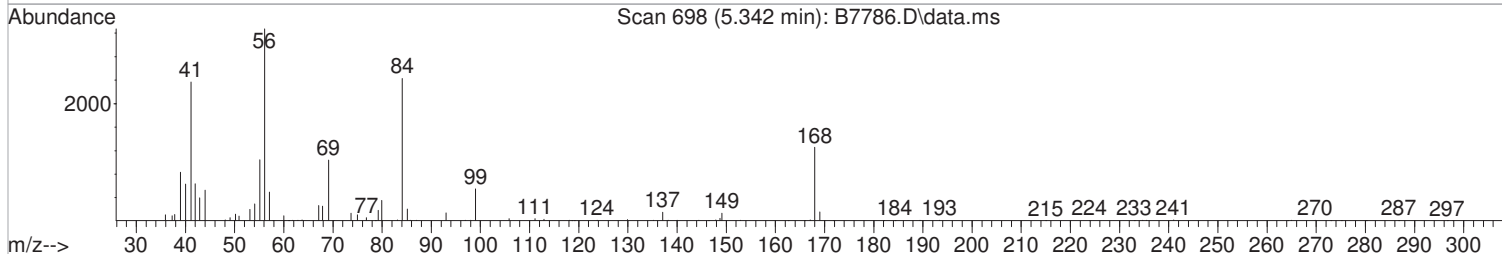
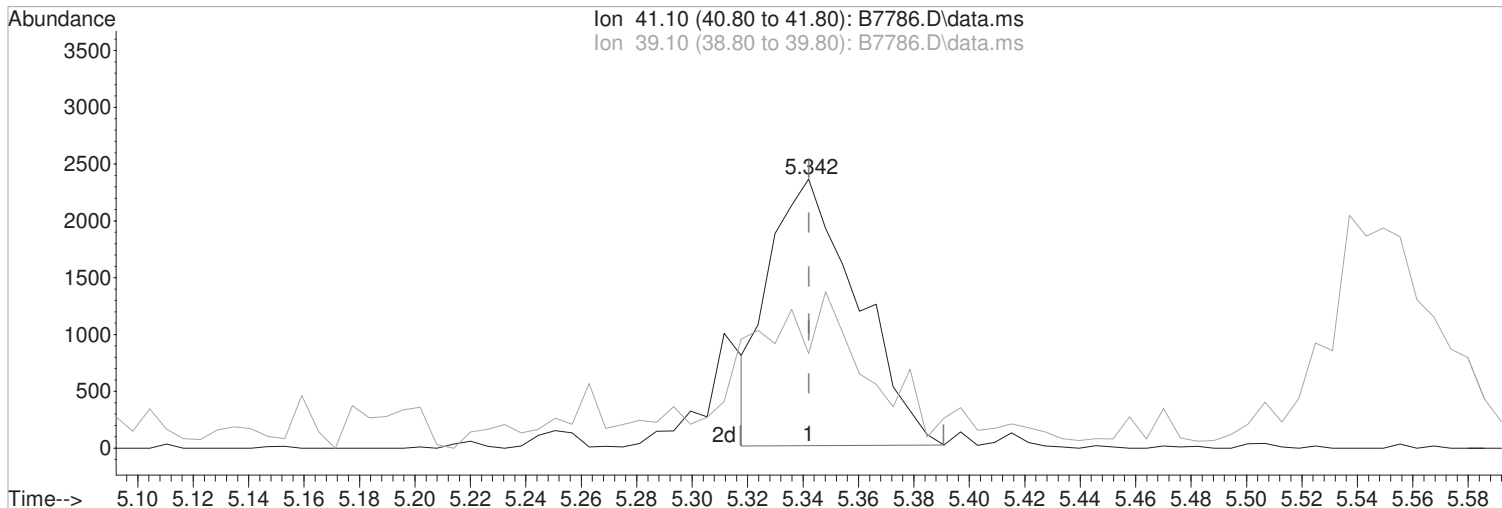
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



TIC: B7786.D\data.ms

(43) Cyclohexane (P)
5.342min (-0.000) 1.87 ug/L
response 5208

Manual Integration:
Before

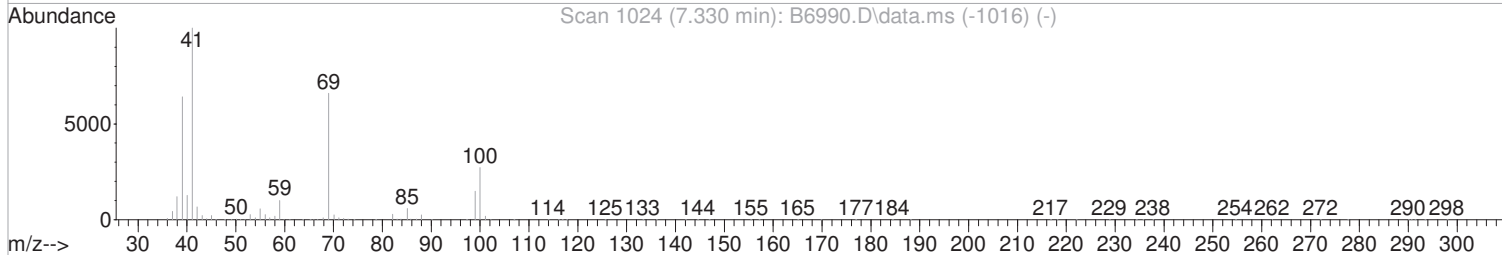
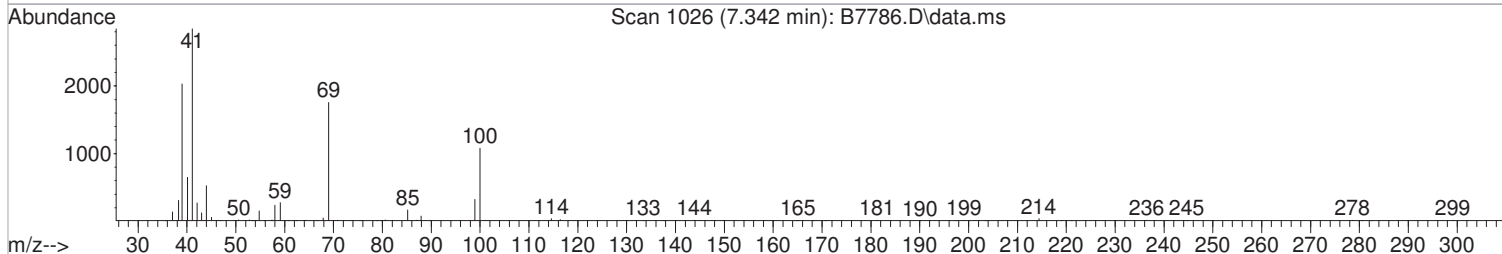
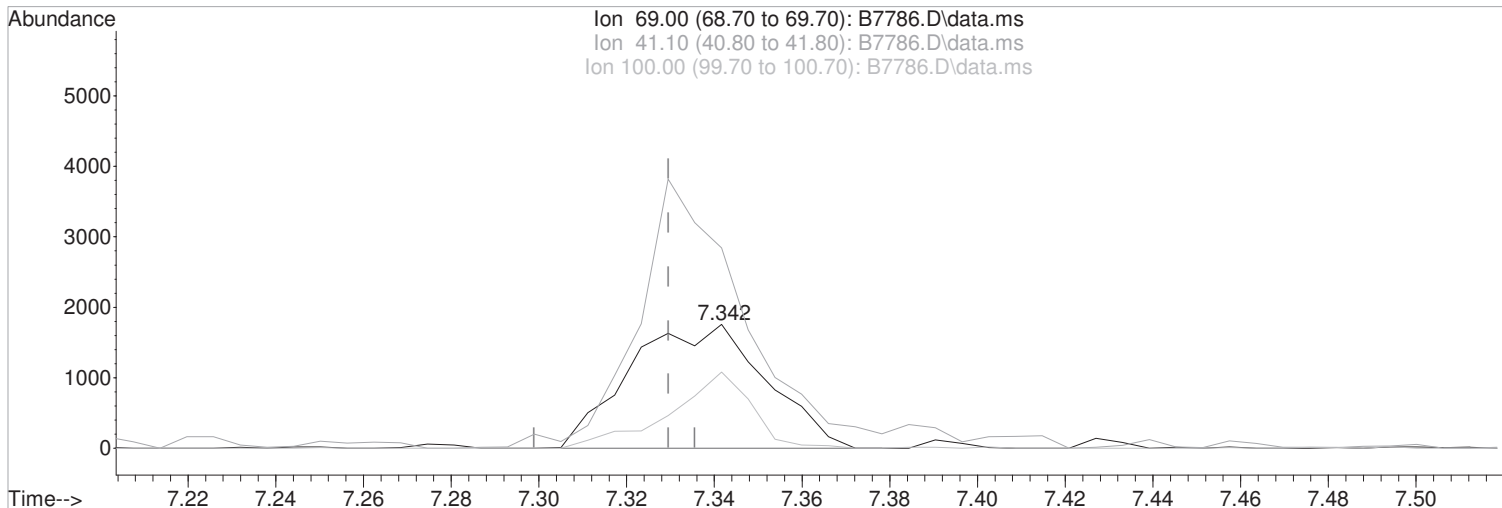
| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.10 | 100 | 100 |
| 39.10 | 50.70 | 35.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



TIC: B7786.D\data.ms

(59) Methyl Methacrylate
7.342min (+0.012) 2.18 ug/L m
response 3783

Manual Integration:
After
Poor integration.

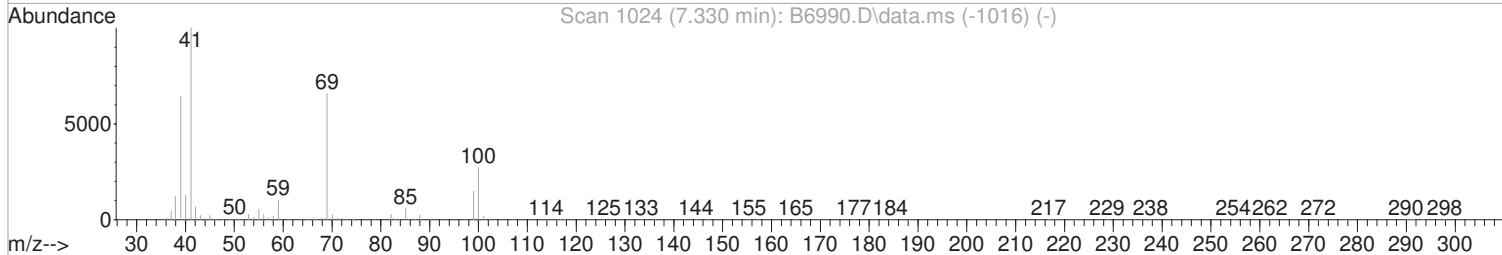
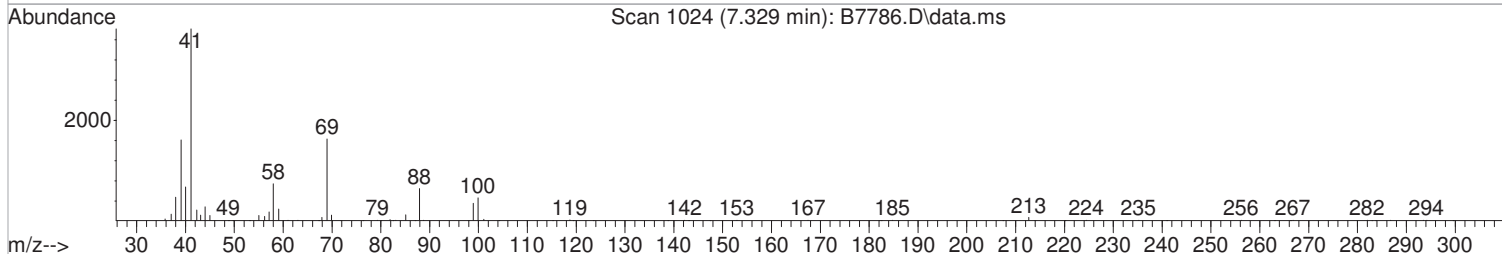
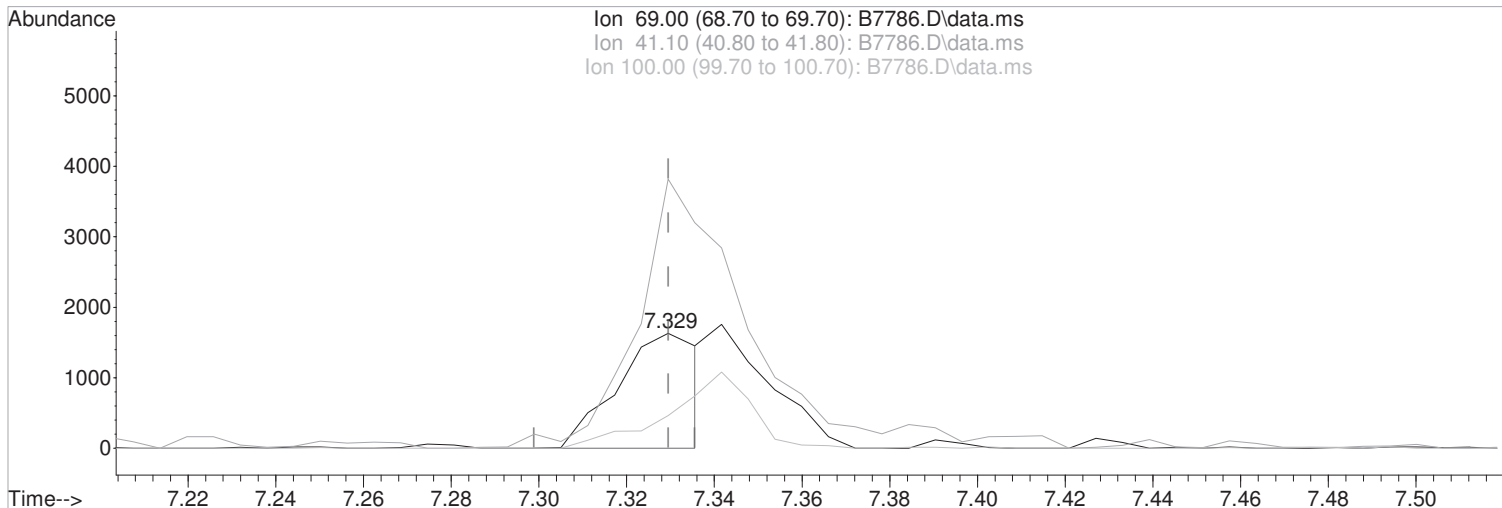
| Ion | Exp% | Act% |
|--------|--------|--------|
| 69.00 | 100 | 100 |
| 41.10 | 153.00 | 161.81 |
| 100.00 | 41.30 | 61.53# |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7786.D
Acq On : 23 Jan 2023 5:53 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:15:10 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:15:04 2023
Response via : Initial Calibration



TIC: B7786.D\data.ms

(59) Methyl Methacrylate
7.329min (-0.000) 1.22 ug/L
response 2118

Manual Integration:
Before

| Ion | Exp% | Act% |
|--------|--------|---------|
| 69.00 | 100 | 100 |
| 41.10 | 153.00 | 233.95# |
| 100.00 | 41.30 | 28.37 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7786.D
 Acq On : 23 Jan 2023 5:53 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 24 09:16:43 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:15:04 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 281053 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 429520 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 396242 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 194313 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|----------|-------|---------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.238 | 113 | 31795 | 11.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 23.54%# | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 36915 | 12.47 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 24.94%# | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 123983 | 11.82 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 23.64%# | |
| 70) SURR2,BFB | 10.884 | 95 | 42281 | 11.09 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 22.18%# | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|-------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 7753 | 2.30 | ug/L | 86 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 4817 | 2.04 | ug/L | 85 |
| 4) Chloromethane | 1.282 | 50 | 9149 | 2.74 | ug/L | 83 |
| 5) Vinyl Chloride | 1.361 | 62 | 8315 | 2.35 | ug/L | 96 |
| 6) Bromomethane | 1.587 | 94 | 5538 | 2.39 | ug/L | 98 |
| 7) Chloroethane | 1.666 | 64 | 5079 | 2.31 | ug/L | 85 |
| 8) Freon 21 | 1.812 | 67 | 9671 | 2.16 | ug/L | 89 |
| 9) Trichlorofluoromethane | 1.861 | 101 | 7693 | 2.00 | ug/L | 91 |
| 10) Diethyl Ether | 2.093 | 59 | 5522 | 2.36 | ug/L | 83 |
| 11) Freon 123a | 2.093 | 67 | 6420 | 2.31 | ug/L # | 75 |
| 12) Freon 123 | 2.148 | 83 | 7809 | 2.37 | ug/L | 86 |
| 13) Acrolein | 2.196 | 56 | 7550 | 14.14 | ug/L | 87 |
| 14) 1,1-Dicethene | 2.282 | 96 | 5199 | 2.38 | ug/L | 91 |
| 15) Freon 113 | 2.282 | 101 | 4860 | 2.13 | ug/L # | 68 |
| 16) Acetone | 2.330 | 43 | 3425 | 2.80 | ug/L | 91 |
| 17) 2-Propanol | 2.458 | 45 | 8022 | 40.75 | ug/L | 100 |
| 18) Iodomethane | 2.416 | 142 | 5180 | 1.52 | ug/L | 82 |
| 19) Carbon Disulfide | 2.483 | 76 | 15179 | 2.36 | ug/L | 98 |
| 20) Acetonitrile | 2.593 | 41 | 5939 | 12.93 | ug/L | 90 |
| 21) Allyl Chloride | 2.623 | 76 | 2280 | 2.13 | ug/L # | 91 |
| 22) Methyl Acetate | 2.641 | 43 | 7397 | 2.31 | ug/L | 94 |
| 23) Methylene Chloride | 2.739 | 84 | 5757 | 2.42 | ug/L # | 87 |
| 24) TBA | 2.855 | 59 | 10630 | 38.10 | ug/L | 94 |
| 25) Acrylonitrile | 2.989 | 53 | 14261 | 11.04 | ug/L | 97 |
| 26) Methyl-t-Butyl Ether | 3.038 | 73 | 14629 | 2.25 | ug/L | 95 |
| 27) trans-1,2-Dichloroethene | 3.025 | 96 | 5518 | 2.31 | ug/L | 91 |
| 28) 1,1-Dicethane | 3.531 | 63 | 10173 | 2.34 | ug/L | 97 |
| 29) Vinyl Acetate | 3.623 | 86 | 571m | 1.86 | ug/L | |
| 30) DIPE | 3.659 | 45 | 21938 | 2.37 | ug/L | 96 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 9317 | 2.34 | ug/L | 90 |
| 32) ETBE | 4.178 | 59 | 13727 | 2.56 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.373 | 77 | 4503 | 2.32 | ug/L | 84 |
| 34) cis-1,2-Dichloroethene | 4.379 | 96 | 6103 | 2.18 | ug/L | 94 |
| 35) 2-Butanone | 4.434 | 43 | 4501 | 2.35 | ug/L | 85 |
| 36) Propionitrile | 4.507 | 54 | 5971 | 11.49 | ug/L | 94 |
| 37) Bromochloromethane | 4.769 | 130 | 4343 | 2.15 | ug/L | 95 |
| 38) Methacrylonitrile | 4.787 | 67 | 2761 | 2.23 | ug/L # | 71 |
| 39) Tetrahydrofuran | 4.879 | 42 | 2798 | 2.46 | ug/L | 85 |
| 40) Chloroform | 4.958 | 83 | 9073 | 2.01 | ug/L | 93 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7786.D
 Acq On : 23 Jan 2023 5:53 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 24 09:16:43 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:15:04 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 7374m | 2.26 | ug/L | |
| 43) Cyclohexane | 5.342 | 41 | 6326m | 2.28 | ug/L | |
| 45) Carbontetrachloride | 5.537 | 117 | 5862 | 2.18 | ug/L | 96 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 6418 | 2.11 | ug/L | 82 |
| 48) Benzene | 5.866 | 78 | 21436 | 2.23 | ug/L | 92 |
| 49) 1,2-Dichloroethane | 5.909 | 62 | 8842 | 2.36 | ug/L | 89 |
| 50) Iso-Butyl Alcohol | 5.878 | 43 | 4937 | 35.91 | ug/L # | 65 |
| 51) TAME | 6.110 | 73 | 11122 | 2.17 | ug/L | 96 |
| 52) n-Heptane | 6.372 | 43 | 7494 | 2.39 | ug/L # | 77 |
| 53) 1-Butanol | 6.848 | 56 | 5254 | 70.80 | ug/L | 85 |
| 54) Trichloroethene | 6.830 | 130 | 5640 | 2.00 | ug/L | 93 |
| 55) Methylcyclohexane | 7.055 | 55 | 8074 | 2.57 | ug/L # | 71 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 5921 | 2.36 | ug/L | 76 |
| 57) Dibromomethane | 7.250 | 93 | 4337 | 2.52 | ug/L # | 63 |
| 58) 1,4-Dioxane | 7.311 | 88 | 2039 | 45.82 | ug/L | 95 |
| 59) Methyl Methacrylate | 7.342 | 69 | 3783m | 2.18 | ug/L | |
| 60) Bromodichloromethane | 7.476 | 83 | 7335 | 2.26 | ug/L | 94 |
| 61) 2-Nitropropane | 7.762 | 41 | 2566 | 3.61 | ug/L # | 80 |
| 62) 2-Chloroethylvinyl Ether | 7.890 | 63 | 1979 | 1.83 | ug/L | 92 |
| 63) cis-1,3-Dichloropropene | 8.012 | 75 | 6026 | 1.87 | ug/L | 81 |
| 64) 4-Methyl-2-pentanone | 8.232 | 43 | 7875 | 2.25 | ug/L | 88 |
| 66) Toluene | 8.396 | 91 | 23754 | 2.15 | ug/L | 97 |
| 67) trans-1,3-Dichloropropene | 8.665 | 75 | 4458 | 1.81 | ug/L | 79 |
| 68) Ethyl Methacrylate | 8.805 | 69 | 5536 | 1.83 | ug/L | 92 |
| 69) 1,1,2-Trichloroethane | 8.854 | 97 | 5458 | 2.11 | ug/L # | 82 |
| 72) Tetrachloroethene | 8.988 | 164 | 4162 | 2.02 | ug/L # | 80 |
| 73) 2-Hexanone | 9.146 | 43 | 4967 | 2.00 | ug/L | 87 |
| 74) 1,3-Dichloropropane | 9.024 | 76 | 8528 | 2.02 | ug/L | 84 |
| 75) Dibromochloromethane | 9.244 | 129 | 5013 | 1.90 | ug/L | 94 |
| 76) N-Butyl Acetate | 9.299 | 43 | 10087 | 2.18 | ug/L | 86 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 4917 | 1.97 | ug/L # | 76 |
| 78) 3-Chlorobenzotrifluoride | 9.859 | 180 | 8364 | 2.06 | ug/L | 92 |
| 79) Chlorobenzene | 9.835 | 112 | 14991 | 1.95 | ug/L | 92 |
| 80) 4-Chlorobenzotrifluoride | 9.914 | 180 | 7725 | 2.17 | ug/L | 85 |
| 81) 1,1,1,2-Tetrachloroethane | 9.920 | 131 | 4122 | 1.73 | ug/L | 88 |
| 82) Ethylbenzene | 9.957 | 106 | 7948 | 2.06 | ug/L # | 89 |
| 83) (m+p)Xylene | 10.067 | 106 | 19778 | 4.12 | ug/L | 93 |
| 84) o-Xylene | 10.426 | 106 | 8975 | 1.85 | ug/L # | 86 |
| 85) Styrene | 10.439 | 104 | 15340 | 1.90 | ug/L | 99 |
| 86) Bromoform | 10.591 | 173 | 3041 | 1.76 | ug/L | 91 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 7281 | 1.84 | ug/L | 93 |
| 88) Isopropylbenzene | 10.762 | 105 | 23613 | 2.06 | ug/L | 90 |
| 89) Cyclohexanone | 10.823 | 55 | 18960 | 40.49 | ug/L | 94 |
| 90) trans-1,4-Dichloro-2-B... | 11.067 | 53 | 1032 | 1.67 | ug/L | 74 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 7683 | 2.29 | ug/L | 86 |
| 93) Bromobenzene | 11.006 | 156 | 6758 | 2.02 | ug/L # | 84 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 2442 | 2.31 | ug/L # | 60 |
| 95) n-Propylbenzene | 11.115 | 91 | 26867 | 2.16 | ug/L | 94 |
| 96) 2-Chlorotoluene | 11.176 | 91 | 17200 | 2.25 | ug/L | 80 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 16229 | 2.04 | ug/L | 98 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 20010 | 2.27 | ug/L | 100 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 19317 | 1.99 | ug/L | 95 |
| 100) tert-Butylbenzene | 11.542 | 119 | 17262 | 2.15 | ug/L | 89 |
| 101) 1,2,4-Trimethylbenzene | 11.585 | 105 | 18184 | 1.97 | ug/L | 79 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 5445 | 1.98 | ug/L | 95 |
| 103) sec-Butylbenzene | 11.725 | 105 | 23426 | 2.08 | ug/L | 97 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7786.D
 Acq On : 23 Jan 2023 5:53 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 24 09:16:43 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:15:04 2023
 Response via : Initial Calibration

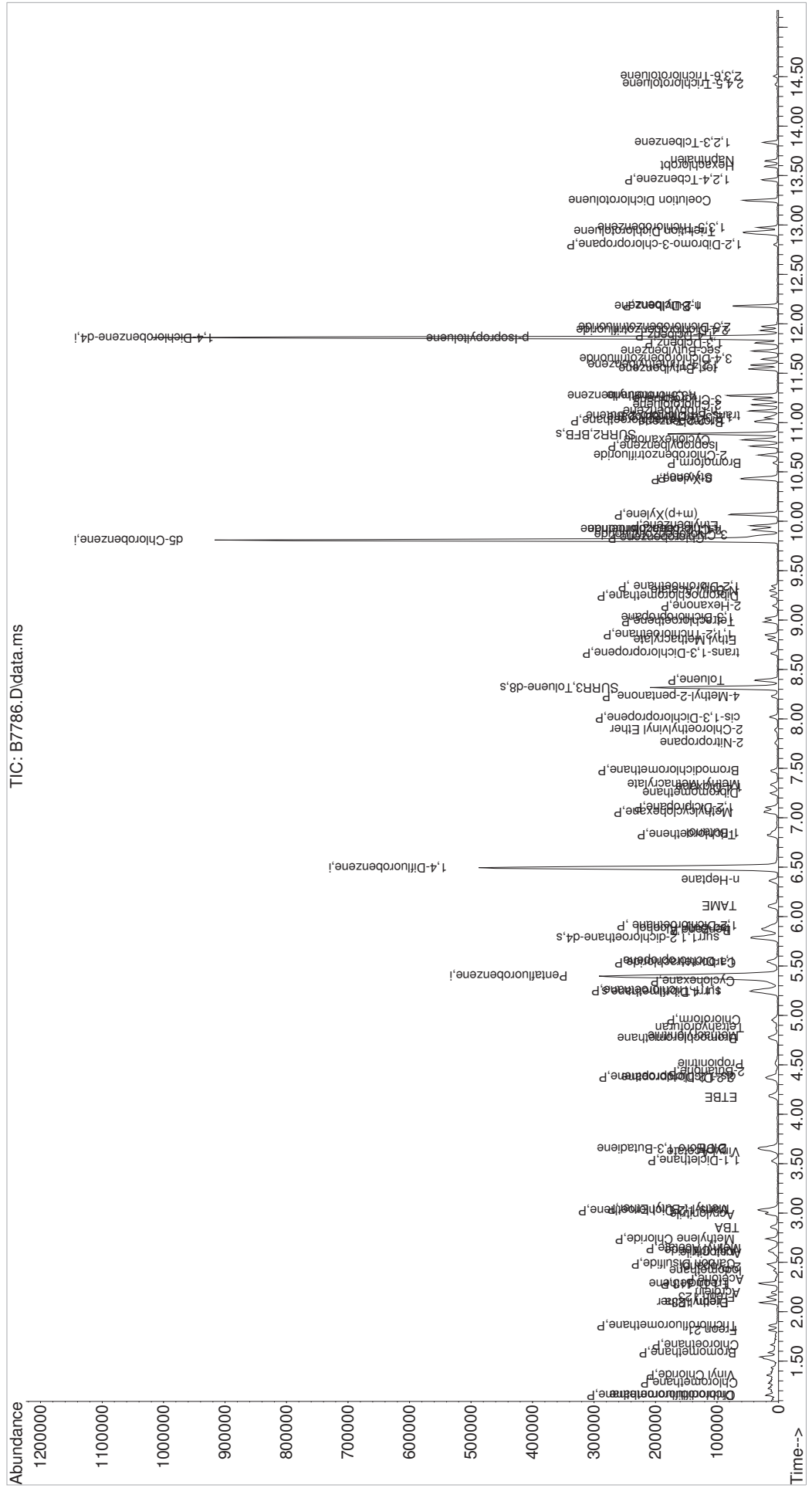
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|------|--------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 19802 | 1.95 | ug/L | 90 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 12472 | 2.13 | ug/L | 95 |
| 106) 1,4-Dclbenz | 11.883 | 146 | 12675 | 2.05 | ug/L | 94 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 4456 | 1.73 | ug/L | 86 |
| 108) 2,5-Dichlorobenzotrifl... | 11.969 | 214 | 5332 | 1.87 | ug/L | 91 |
| 109) n-Butylbenzene | 12.176 | 91 | 16449 | 1.99 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 11661 | 1.93 | ug/L | 89 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 1269 | 1.96 | ug/L | 90 |
| 112) Trielution Dichlorotol... | 12.932 | 125 | 25946 | 5.59 | ug/L | 96 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 6886 | 1.70 | ug/L # | 77 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 18259 | 3.64 | ug/L | 92 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 6513 | 1.76 | ug/L | 92 |
| 116) Hexachlorobt | 13.597 | 225 | 2358 | 1.61 | ug/L | 81 |
| 117) Naphthalen | 13.651 | 128 | 13223 | 1.35 | ug/L | 96 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 5759 | 1.56 | ug/L | 93 |
| 119) 2,4,5-Trichlorotoluene | 14.426 | 159 | 1076 | 0.73 | ug/L | 92 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 1406 | 1.04 | ug/L | 80 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
 Data File : B7786.D
 Acq On : 23 Jan 2023 5:53 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

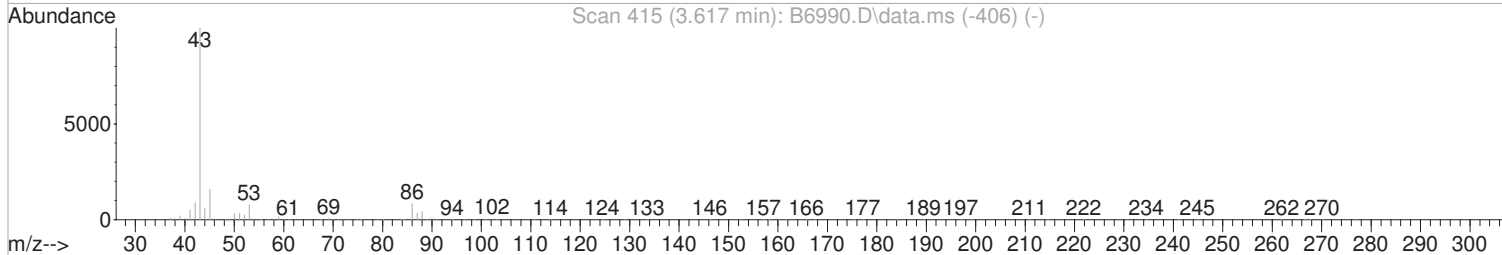
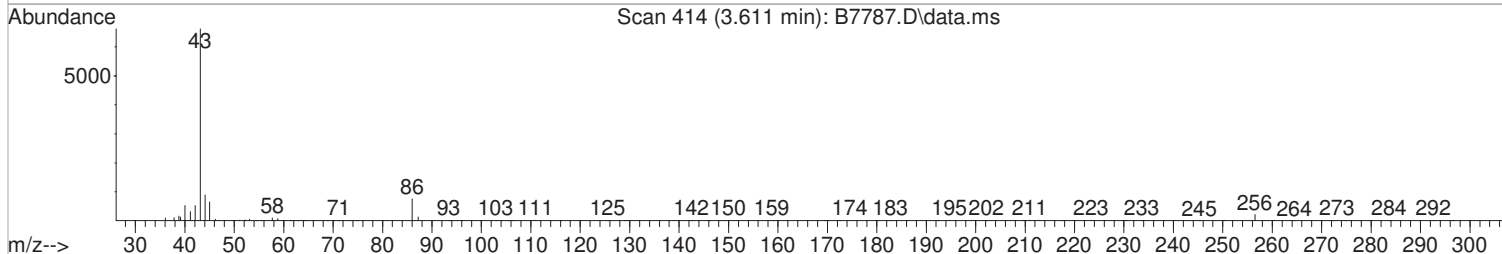
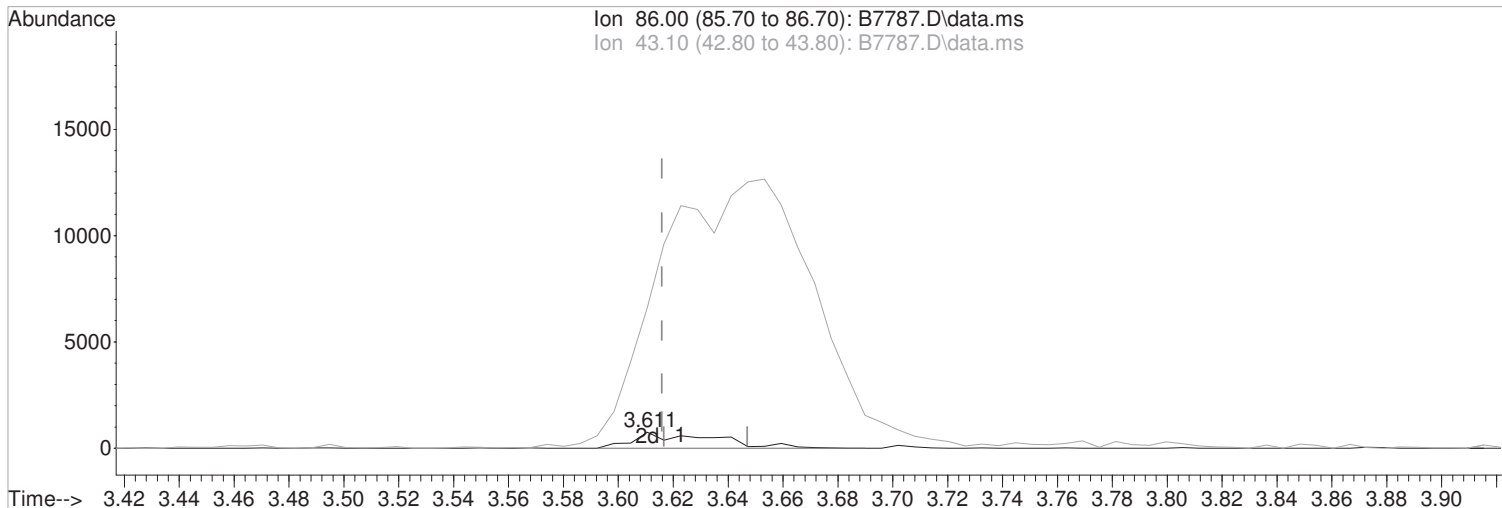
Quant Time: Jan 24 09:16:43 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:15:04 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7787.D
Acq On : 23 Jan 2023 6:15 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:17:30 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:17:22 2023
Response via : Initial Calibration



(29) Vinyl Acetate

3.611min (-0.005) 4.90 ug/L m

response 1540

| Ion | Exp% | Act% |
|-------|---------|---------|
| 86.00 | 100 | 100 |
| 43.10 | 1206.00 | 873.09# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

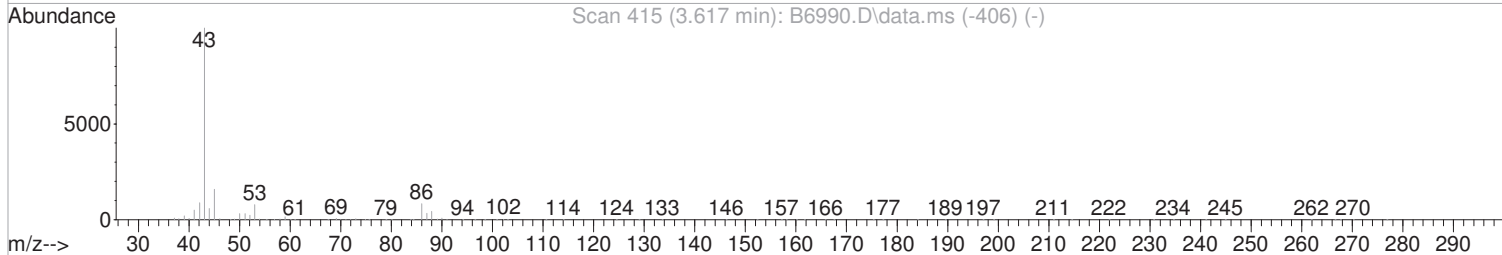
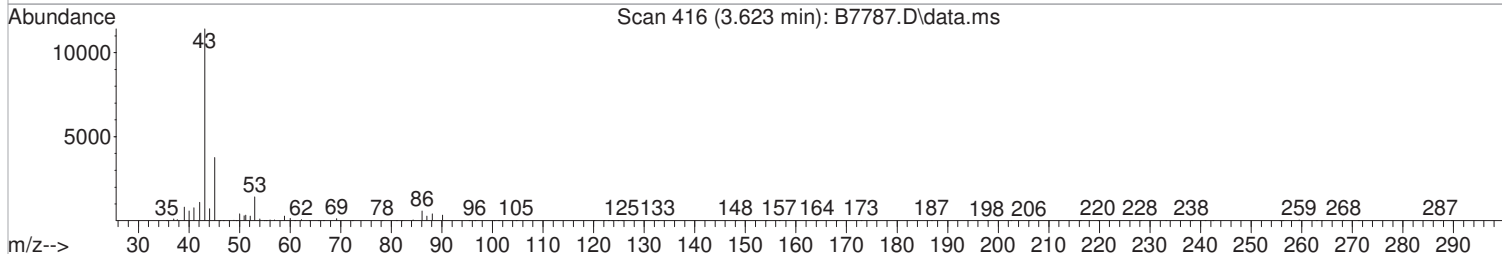
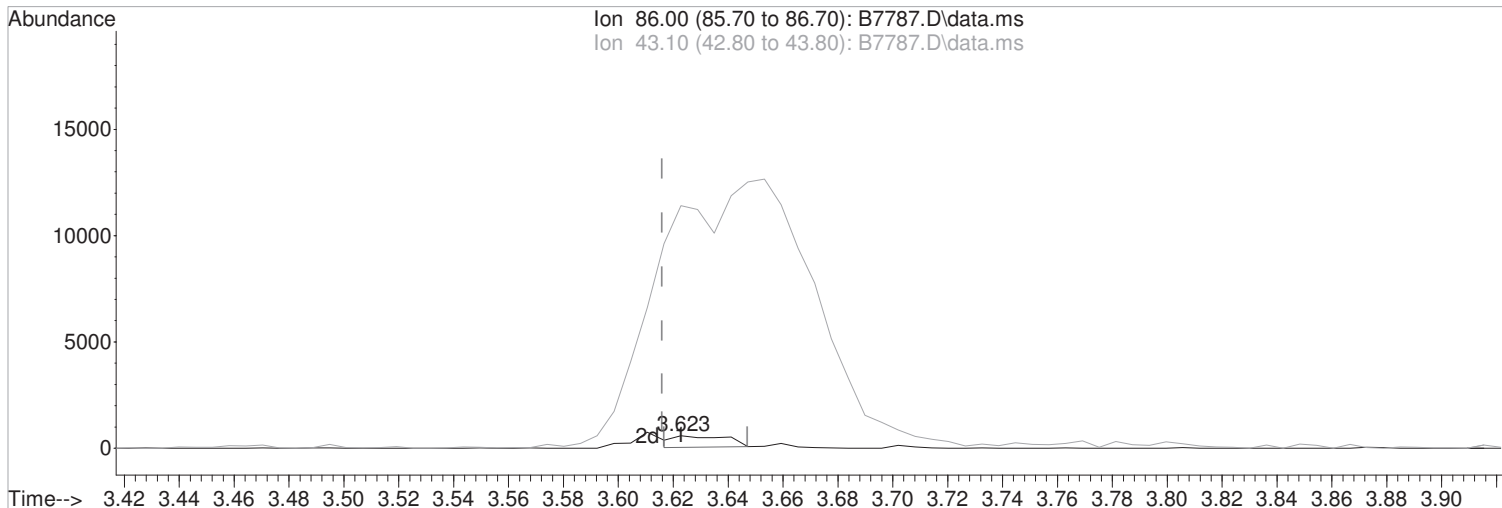
Poor integration.

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7787.D
Acq On : 23 Jan 2023 6:15 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:17:30 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:17:22 2023
Response via : Initial Calibration



TIC: B7787.D\data.ms

(29) Vinyl Acetate
3.623min (+0.007) 2.20 ug/L
response 692

Manual Integration:
Before

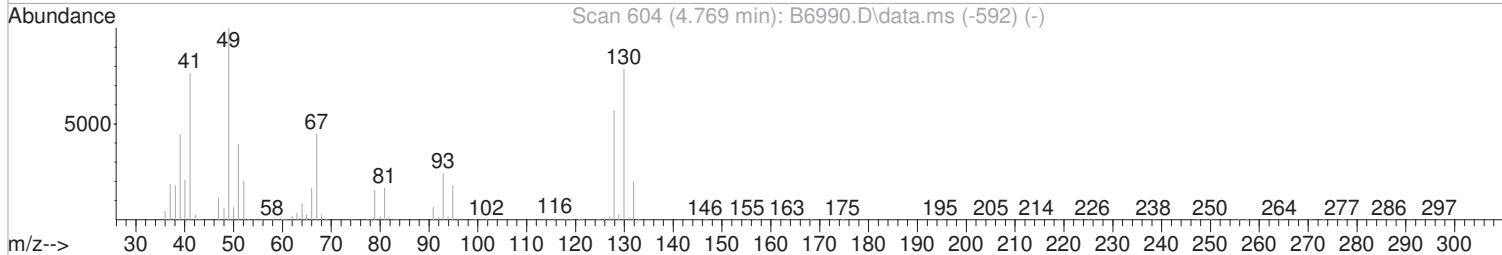
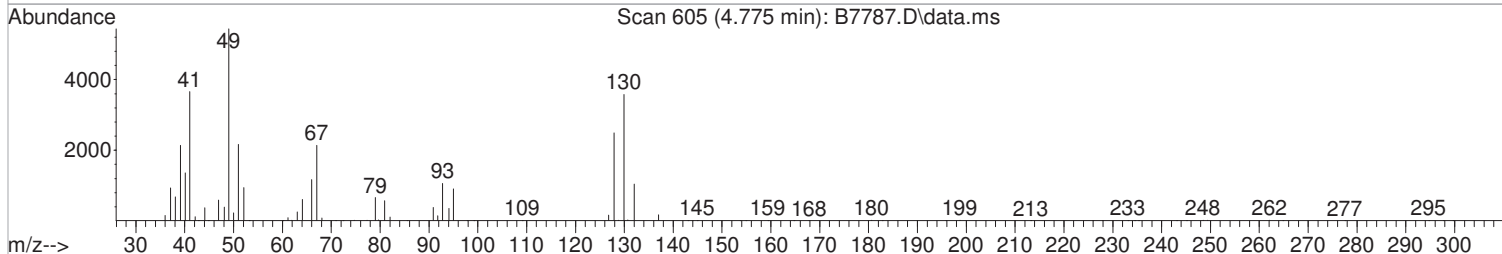
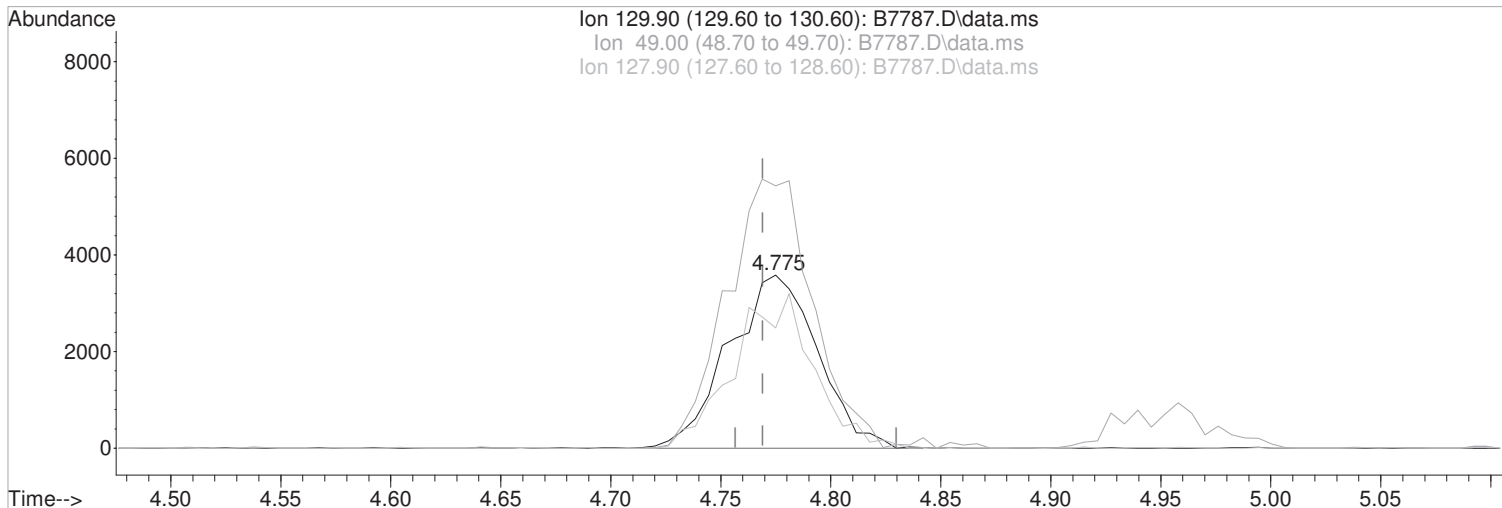
| Ion | Exp% | Act% |
|-------|---------|----------|
| 86.00 | 100 | 100 |
| 43.10 | 1206.00 | 1937.86# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7787.D
Acq On : 23 Jan 2023 6:15 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:17:30 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:17:22 2023
Response via : Initial Calibration



TIC: B7787.D\data.ms

(37) Bromochloromethane
4.775min (+0.006) 5.00 ug/L m
response 10039

Manual Integration:
After
Poor integration.

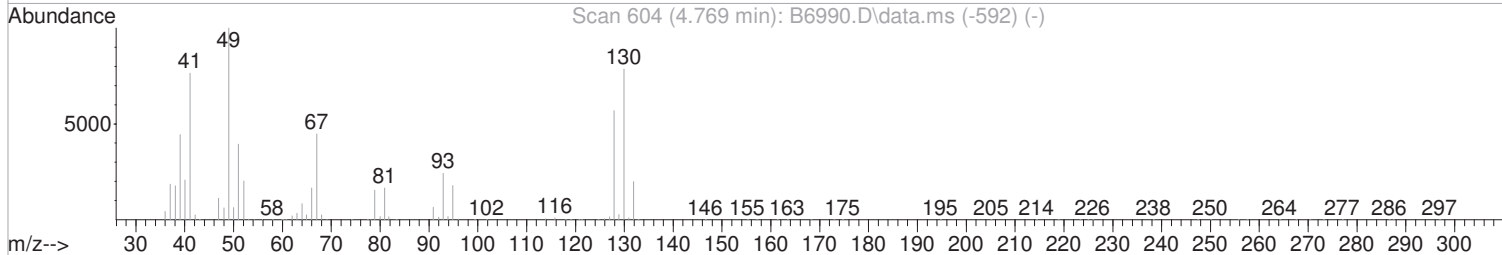
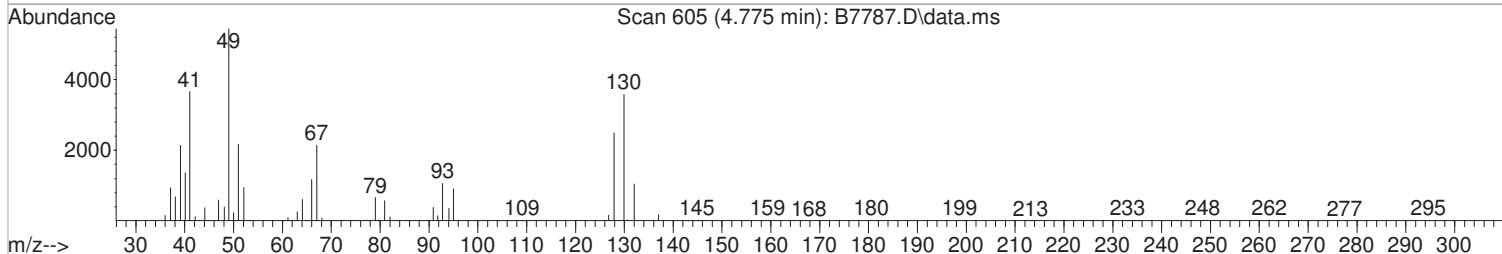
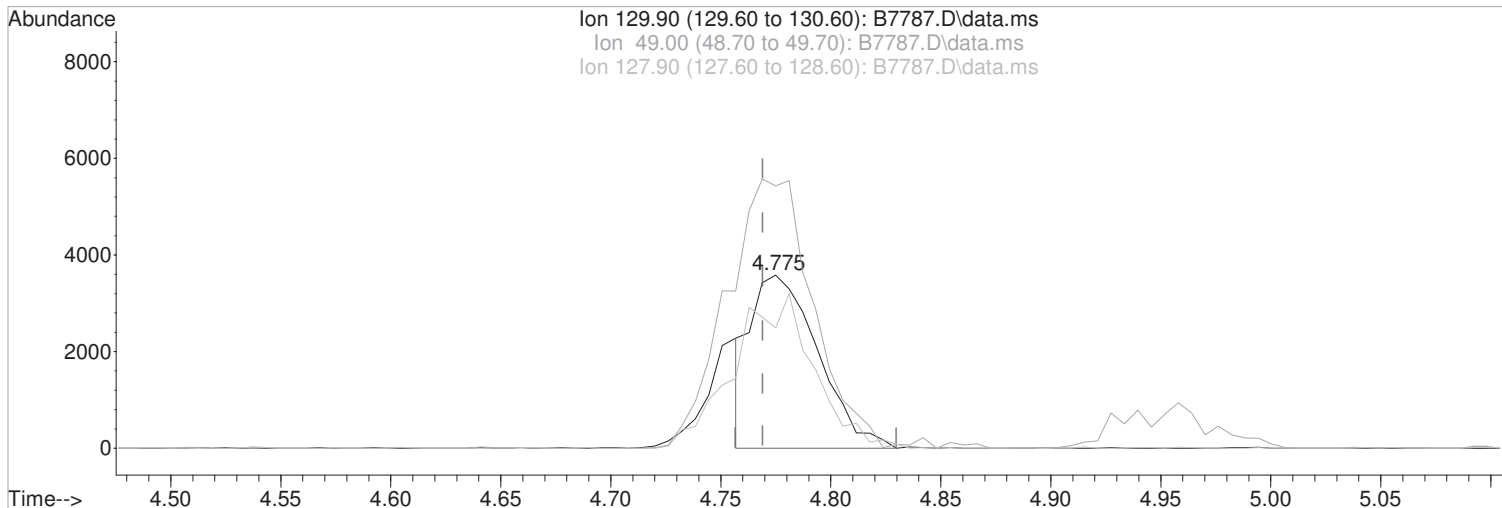
| Ion | Exp% | Act% |
|--------|--------|---------|
| 129.90 | 100 | 100 |
| 49.00 | 127.10 | 151.77# |
| 127.90 | 72.30 | 69.51 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7787.D
Acq On : 23 Jan 2023 6:15 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:17:30 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:17:22 2023
Response via : Initial Calibration



TIC: B7787.D\data.ms

(37) Bromochloromethane
4.775min (+0.006) 3.78 ug/L
response 7586

Manual Integration:
Before

| Ion | Exp% | Act% |
|--------|--------|---------|
| 129.90 | 100 | 100 |
| 49.00 | 127.10 | 151.77# |
| 127.90 | 72.30 | 69.51 |
| 0.00 | 0.00 | 0.00 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7787.D
 Acq On : 23 Jan 2023 6:15 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 09:18:11 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:17:22 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 277906 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 425770 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 390836 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 200677 | 50.00 | ug/L | 0.00 |

| System Monitoring Compounds | | | | | | |
|-------------------------------|--------|----------------|----------|-------|---------|------|
| 44) surr4,Dibrflmethane | 5.238 | 113 | 30784 | 11.49 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 22.98%# | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 36207 | 12.34 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 24.68%# | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 122508 | 11.78 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 23.56%# | |
| 70) SURR2,BFB | 10.884 | 95 | 40291 | 10.66 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 21.32%# | |

| Target Compounds | | | | | | Qvalue |
|------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 18543 | 5.37 | ug/L | 90 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 13203 | 5.64 | ug/L | 91 |
| 4) Chloromethane | 1.282 | 50 | 21519 | 6.26 | ug/L | 92 |
| 5) Vinyl Chloride | 1.361 | 62 | 20329 | 5.63 | ug/L | 97 |
| 6) Bromomethane | 1.580 | 94 | 13812 | 5.98 | ug/L | 85 |
| 7) Chloroethane | 1.660 | 64 | 11377 | 5.16 | ug/L | 84 |
| 8) Freon 21 | 1.812 | 67 | 23268 | 5.19 | ug/L | 97 |
| 9) Trichlorofluoromethane | 1.861 | 101 | 20968 | 5.52 | ug/L | 97 |
| 10) Diethyl Ether | 2.093 | 59 | 12670 | 5.40 | ug/L | 97 |
| 11) Freon 123a | 2.099 | 67 | 15864 | 5.64 | ug/L | 93 |
| 12) Freon 123 | 2.147 | 83 | 18697 | 5.59 | ug/L | 87 |
| 13) Acrolein | 2.196 | 56 | 17896 | 31.85 | ug/L | 97 |
| 14) 1,1-Dicethene | 2.282 | 96 | 11663 | 5.34 | ug/L # | 83 |
| 15) Freon 113 | 2.294 | 101 | 12430 | 5.52 | ug/L | 100 |
| 16) Acetone | 2.330 | 43 | 7672 | 6.35 | ug/L | 97 |
| 17) 2-Propanol | 2.452 | 45 | 18917 | 93.53 | ug/L | 90 |
| 18) Iodomethane | 2.416 | 142 | 14529 | 4.32 | ug/L | 95 |
| 19) Carbon Disulfide | 2.483 | 76 | 37384 | 5.74 | ug/L | 96 |
| 20) Acetonitrile | 2.586 | 41 | 11829 | 24.29 | ug/L | 94 |
| 21) Allyl Chloride | 2.611 | 76 | 5446 | 5.04 | ug/L # | 71 |
| 22) Methyl Acetate | 2.641 | 43 | 18787 | 5.86 | ug/L | 97 |
| 23) Methylene Chloride | 2.739 | 84 | 13362 | 5.59 | ug/L # | 81 |
| 24) TBA | 2.861 | 59 | 25950 | 90.26 | ug/L | 84 |
| 25) Acrylonitrile | 2.995 | 53 | 37673 | 28.64 | ug/L | 96 |
| 26) Methyl-t-Butyl Ether | 3.038 | 73 | 37944 | 5.77 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 3.031 | 96 | 12312 | 5.08 | ug/L | 98 |
| 28) 1,1-Dicethane | 3.525 | 63 | 23941 | 5.38 | ug/L | 99 |
| 29) Vinyl Acetate | 3.611 | 86 | 1540m | 4.90 | ug/L | |
| 30) DIPE | 3.653 | 45 | 54139 | 5.72 | ug/L | 92 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 24225 | 6.00 | ug/L | 78 |
| 32) ETBE | 4.190 | 59 | 34518 | 6.12 | ug/L | 89 |
| 33) 2,2-Dichloropropane | 4.367 | 77 | 10118 | 5.03 | ug/L | 87 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 15447 | 5.58 | ug/L | 99 |
| 35) 2-Butanone | 4.421 | 43 | 11992 | 6.34 | ug/L | 86 |
| 36) Propionitrile | 4.501 | 54 | 14426 | 27.35 | ug/L | 89 |
| 37) Bromochloromethane | 4.775 | 130 | 10039m | 5.00 | ug/L | |
| 38) Methacrylonitrile | 4.775 | 67 | 6568 | 5.13 | ug/L | 100 |
| 39) Tetrahydrofuran | 4.873 | 42 | 5857 | 5.05 | ug/L # | 63 |
| 40) Chloroform | 4.952 | 83 | 22228 | 4.95 | ug/L | 95 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7787.D
 Acq On : 23 Jan 2023 6:15 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 09:18:11 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:17:22 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 16638 | 5.08 | ug/L | 89 |
| 43) Cyclohexane | 5.348 | 41 | 16820 | 5.97 | ug/L | 88 |
| 45) Carbontetrachloride | 5.537 | 117 | 12592 | 4.64 | ug/L | 99 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 16583 | 5.38 | ug/L | 95 |
| 48) Benzene | 5.872 | 78 | 53635 | 5.54 | ug/L | 96 |
| 49) 1,2-Dichloroethane | 5.897 | 62 | 20098 | 5.29 | ug/L | 92 |
| 50) Iso-Butyl Alcohol | 5.872 | 43 | 13586 | 94.49 | ug/L | 89 |
| 51) TAME | 6.110 | 73 | 29692 | 5.64 | ug/L | 97 |
| 52) n-Heptane | 6.360 | 43 | 18453 | 5.78 | ug/L | 90 |
| 53) 1-Butanol | 6.854 | 56 | 16223 | 216.08 | ug/L | 96 |
| 54) Trichloroethene | 6.817 | 130 | 14008 | 4.92 | ug/L | 98 |
| 55) Methylcyclohexane | 7.061 | 55 | 18492 | 5.71 | ug/L # | 75 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 13654 | 5.28 | ug/L | 97 |
| 57) Dibromomethane | 7.244 | 93 | 8662 | 4.90 | ug/L | 98 |
| 58) 1,4-Dioxane | 7.317 | 88 | 4740 | 102.80 | ug/L | 93 |
| 59) Methyl Methacrylate | 7.329 | 69 | 9491 | 5.37 | ug/L | 86 |
| 60) Bromodichloromethane | 7.476 | 83 | 17515 | 5.28 | ug/L | 94 |
| 61) 2-Nitropropane | 7.756 | 41 | 6681 | 9.34 | ug/L | 91 |
| 62) 2-Chloroethylvinyl Ether | 7.884 | 63 | 5352 | 4.87 | ug/L | 80 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 15174 | 4.69 | ug/L | 95 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 19612 | 5.43 | ug/L | 93 |
| 66) Toluene | 8.390 | 91 | 57234 | 5.18 | ug/L | 95 |
| 67) trans-1,3-Dichloropropene | 8.658 | 75 | 10655 | 4.22 | ug/L | 92 |
| 68) Ethyl Methacrylate | 8.805 | 69 | 15196 | 4.94 | ug/L | 83 |
| 69) 1,1,2-Trichloroethane | 8.853 | 97 | 12584 | 4.85 | ug/L | 91 |
| 72) Tetrachloroethene | 8.988 | 164 | 11054 | 5.37 | ug/L | 97 |
| 73) 2-Hexanone | 9.146 | 43 | 13742 | 5.48 | ug/L | 93 |
| 74) 1,3-Dichloropropene | 9.018 | 76 | 24026 | 5.73 | ug/L | 96 |
| 75) Dibromochloromethane | 9.244 | 129 | 12006 | 4.60 | ug/L | 99 |
| 76) N-Butyl Acetate | 9.299 | 43 | 25560 | 5.26 | ug/L | 97 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 12660 | 5.04 | ug/L | 88 |
| 78) 3-Chlorobenzotrifluoride | 9.859 | 180 | 21222 | 5.21 | ug/L | 83 |
| 79) Chlorobenzene | 9.835 | 112 | 38458 | 5.09 | ug/L | 93 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 18120 | 5.13 | ug/L | 90 |
| 81) 1,1,1,2-Tetrachloroethane | 9.920 | 131 | 10786 | 4.61 | ug/L | 90 |
| 82) Ethylbenzene | 9.957 | 106 | 21228 | 5.57 | ug/L # | 80 |
| 83) (m+p)Xylene | 10.067 | 106 | 52666 | 11.09 | ug/L | 92 |
| 84) o-Xylene | 10.426 | 106 | 24517 | 5.11 | ug/L | 100 |
| 85) Styrene | 10.439 | 104 | 40790 | 5.08 | ug/L | 97 |
| 86) Bromoform | 10.591 | 173 | 7051 | 4.09 | ug/L | 93 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 19427 | 5.01 | ug/L | 98 |
| 88) Isopropylbenzene | 10.762 | 105 | 60764 | 5.37 | ug/L | 96 |
| 89) Cyclohexanone | 10.823 | 55 | 52821 | 110.68 | ug/L | 100 |
| 90) trans-1,4-Dichloro-2-B... | 11.073 | 53 | 3408 | 5.59 | ug/L # | 69 |
| 92) 1,1,2,2-Tetrachloroethane | 11.024 | 83 | 18408 | 5.24 | ug/L | 94 |
| 93) Bromobenzene | 11.012 | 156 | 18236 | 5.34 | ug/L | 89 |
| 94) 1,2,3-Trichloropropene | 11.048 | 110 | 6442 | 5.83 | ug/L # | 66 |
| 95) n-Propylbenzene | 11.115 | 91 | 70215 | 5.46 | ug/L | 98 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 41603 | 5.17 | ug/L | 96 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 41971 | 5.10 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 49505 | 5.38 | ug/L | 96 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 50024 | 5.03 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.542 | 119 | 46944 | 5.61 | ug/L | 95 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 48861 | 5.13 | ug/L | 94 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 13726 | 4.87 | ug/L | 92 |
| 103) sec-Butylbenzene | 11.725 | 105 | 61077 | 5.24 | ug/L | 97 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7787.D
 Acq On : 23 Jan 2023 6:15 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 09:18:11 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:17:22 2023
 Response via : Initial Calibration

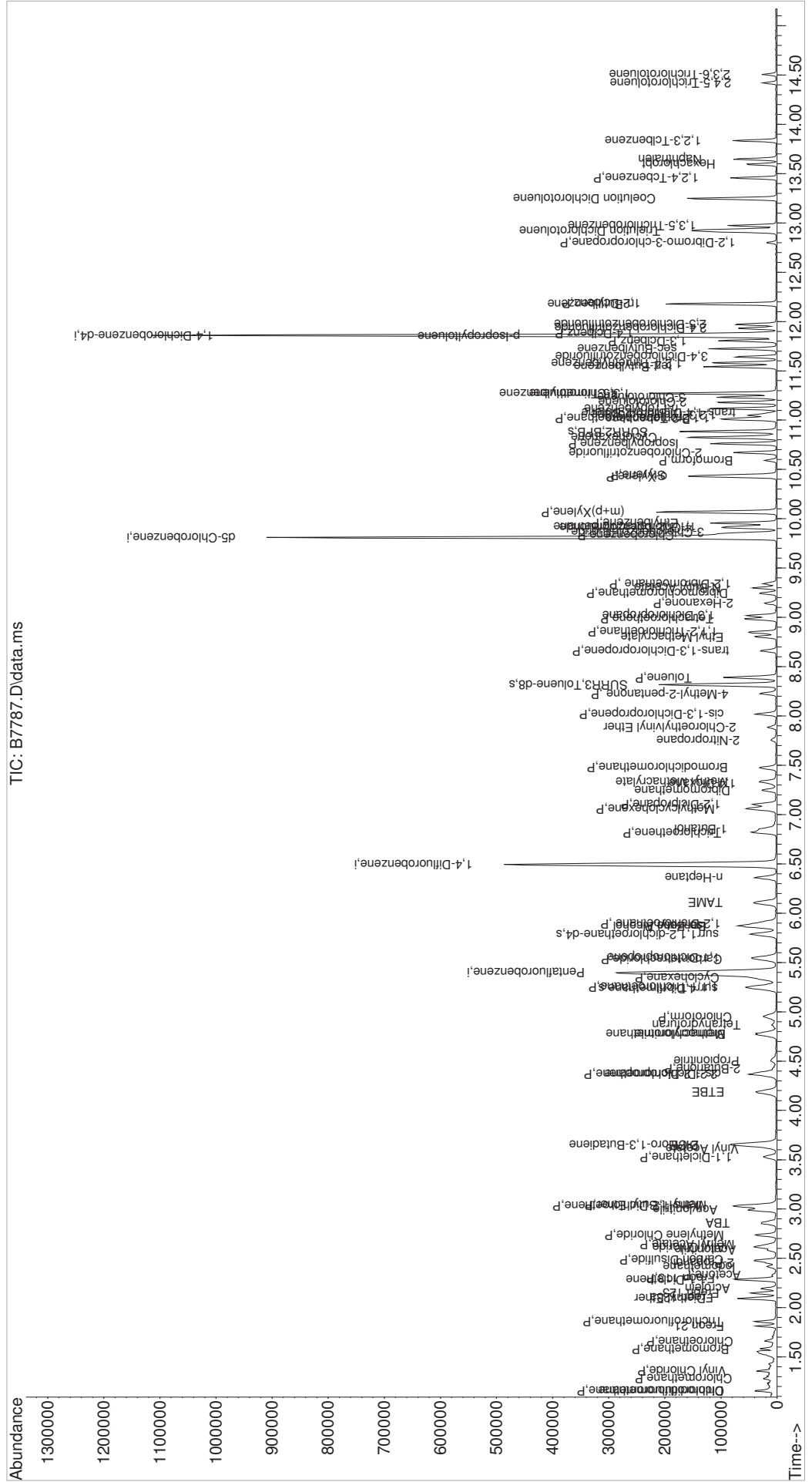
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 53815 | 5.13 | ug/L | 94 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 32392 | 5.34 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 30629 | 4.78 | ug/L | 94 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 12564 | 4.81 | ug/L | 94 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 14479 | 4.98 | ug/L | 93 |
| 109) n-Butylbenzene | 12.176 | 91 | 41205 | 4.82 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 30680 | 4.92 | ug/L | 94 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 2671 | 3.81 | ug/L | 89 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 71051 | 14.85 | ug/L | 93 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 21388 | 5.20 | ug/L | 97 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 50493 | 9.73 | ug/L | 97 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 18668 | 4.89 | ug/L | 91 |
| 116) Hexachlorobt | 13.596 | 225 | 7519 | 5.12 | ug/L | 90 |
| 117) Naphthalen | 13.645 | 128 | 44684 | 4.48 | ug/L | 93 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 17894 | 4.76 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.419 | 159 | 4371 | 2.91 | ug/L | 84 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 4305 | 3.08 | ug/L | 85 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
Data File : B7787.D
Acq On : 23 Jan 2023 6:15 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:18:11 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:17:22 2023
Response via : Initial Calibration



1st *FU* 01/24/23
2nd *UR* 01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7788.D
 Acq On : 23 Jan 2023 6:37 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 24 09:18:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:18:54 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 287525 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 429896 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 395243 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 210163 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|---------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.244 | 113 | 53697 | 19.71 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 39.42%# | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 63848 | 21.08 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 42.16%# | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 212839 | 20.09 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 40.18%# | | |
| 70) SURR2,BFB | 10.884 | 95 | 73207 | 19.09 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 38.18%# | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 72926 | 20.11 | ug/L | 96 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 48713 | 19.75 | ug/L | 96 |
| 4) Chloromethane | 1.282 | 50 | 71307 | 19.18 | ug/L | 90 |
| 5) Vinyl Chloride | 1.361 | 62 | 74452 | 19.53 | ug/L | 94 |
| 6) Bromomethane | 1.587 | 94 | 41780 | 17.35 | ug/L | 92 |
| 7) Chloroethane | 1.666 | 64 | 37737 | 16.08 | ug/L | 96 |
| 8) Freon 21 | 1.812 | 67 | 95524 | 20.44 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.861 | 101 | 70099 | 17.71 | ug/L | 93 |
| 10) Diethyl Ether | 2.087 | 59 | 47617 | 19.24 | ug/L | 91 |
| 11) Freon 123a | 2.099 | 67 | 58971 | 20.08 | ug/L | 83 |
| 12) Freon 123 | 2.148 | 83 | 65625 | 18.69 | ug/L | 97 |
| 13) Acrolein | 2.190 | 56 | 68639 | 111.94 | ug/L | 96 |
| 14) 1,1-Dicethene | 2.288 | 96 | 39671 | 17.39 | ug/L | 90 |
| 15) Freon 113 | 2.288 | 101 | 39252 | 16.76 | ug/L | 95 |
| 16) Acetone | 2.324 | 43 | 27775 | 22.05 | ug/L | 96 |
| 17) 2-Propanol | 2.458 | 45 | 85974 | 398.89 | ug/L | 93 |
| 18) Iodomethane | 2.416 | 142 | 64216 | 18.26 | ug/L | 98 |
| 19) Carbon Disulfide | 2.483 | 76 | 126635 | 18.37 | ug/L | 97 |
| 20) Acetonitrile | 2.580 | 41 | 57238 | 114.78 | ug/L | 94 |
| 21) Allyl Chloride | 2.617 | 76 | 20715 | 18.42 | ug/L # | 88 |
| 22) Methyl Acetate | 2.641 | 43 | 68642 | 20.03 | ug/L | 99 |
| 23) Methylene Chloride | 2.739 | 84 | 47815 | 19.04 | ug/L | 87 |
| 24) TBA | 2.855 | 59 | 122514 | 402.09 | ug/L | 99 |
| 25) Acrylonitrile | 2.989 | 53 | 150929 | 107.79 | ug/L | 97 |
| 26) Methyl-t-Butyl Ether | 3.031 | 73 | 139550 | 19.89 | ug/L | 91 |
| 27) trans-1,2-Dichloroethene | 3.025 | 96 | 44228 | 17.60 | ug/L # | 87 |
| 28) 1,1-Dicethane | 3.531 | 63 | 89347 | 19.08 | ug/L | 97 |
| 29) Vinyl Acetate | 3.623 | 86 | 7070 | 21.37 | ug/L # | 41 |
| 30) DIPE | 3.659 | 45 | 211820 | 21.00 | ug/L | 92 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 86376 | 20.10 | ug/L | 81 |
| 32) ETBE | 4.190 | 59 | 140229 | 22.67 | ug/L | 89 |
| 33) 2,2-Dichloropropane | 4.360 | 77 | 36231 | 16.97 | ug/L | 90 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 53769 | 18.53 | ug/L | 99 |
| 35) 2-Butanone | 4.421 | 43 | 46131 | 22.91 | ug/L | 87 |
| 36) Propionitrile | 4.501 | 54 | 61131 | 110.22 | ug/L | 100 |
| 37) Bromochloromethane | 4.769 | 130 | 38220 | 18.30 | ug/L # | 82 |
| 38) Methacrylonitrile | 4.775 | 67 | 26699 | 19.77 | ug/L | 94 |
| 39) Tetrahydrofuran | 4.866 | 42 | 25037 | 20.70 | ug/L | 99 |
| 40) Chloroform | 4.958 | 83 | 85772 | 18.41 | ug/L | 94 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7788.D
 Acq On : 23 Jan 2023 6:37 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 24 09:18:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:18:54 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.263 | 97 | 58420 | 17.03 | ug/L | 99 |
| 43) Cyclohexane | 5.348 | 41 | 61934 | 21.36 | ug/L | 87 |
| 45) Carbontetrachloride | 5.537 | 117 | 46328 | 16.99 | ug/L | 97 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 57627 | 18.27 | ug/L | 93 |
| 48) Benzene | 5.872 | 78 | 194025 | 19.55 | ug/L | 97 |
| 49) 1,2-Dichloroethane | 5.909 | 62 | 78392 | 20.15 | ug/L | 96 |
| 50) Iso-Butyl Alcohol | 5.878 | 43 | 63807 | 426.29 | ug/L | 97 |
| 51) TAME | 6.104 | 73 | 114812 | 20.61 | ug/L | 94 |
| 52) n-Heptane | 6.360 | 43 | 60942 | 18.45 | ug/L | 97 |
| 53) 1-Butanol | 6.854 | 56 | 81822 | 1052.88 | ug/L | 99 |
| 54) Trichloroethene | 6.823 | 130 | 52049 | 18.06 | ug/L | 93 |
| 55) Methylcyclohexane | 7.055 | 55 | 68981 | 20.70 | ug/L # | 75 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 53004 | 20.11 | ug/L | 92 |
| 57) Dibromomethane | 7.250 | 93 | 33433 | 18.70 | ug/L | 96 |
| 58) 1,4-Dioxane | 7.305 | 88 | 18156 | 382.68 | ug/L | 79 |
| 59) Methyl Methacrylate | 7.336 | 69 | 36561 | 20.00 | ug/L | 91 |
| 60) Bromodichloromethane | 7.476 | 83 | 64076 | 18.94 | ug/L | 98 |
| 61) 2-Nitropropane | 7.756 | 41 | 27664 | 37.81 | ug/L | 85 |
| 62) 2-Chloroethylvinyl Ether | 7.884 | 63 | 22217 | 19.58 | ug/L | 96 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 61329 | 18.50 | ug/L | 95 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 82940 | 22.15 | ug/L | 97 |
| 66) Toluene | 8.390 | 91 | 211067 | 18.84 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.665 | 75 | 47045 | 18.19 | ug/L | 97 |
| 68) Ethyl Methacrylate | 8.805 | 69 | 64932 | 20.42 | ug/L | 96 |
| 69) 1,1,2-Trichloroethane | 8.847 | 97 | 50881 | 19.46 | ug/L | 87 |
| 72) Tetrachloroethene | 8.982 | 164 | 39006 | 18.57 | ug/L | 96 |
| 73) 2-Hexanone | 9.140 | 43 | 57470 | 21.87 | ug/L | 95 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 84956 | 19.62 | ug/L | 85 |
| 75) Dibromochloromethane | 9.244 | 129 | 51276 | 19.47 | ug/L | 95 |
| 76) N-Butyl Acetate | 9.299 | 43 | 109735 | 21.40 | ug/L | 96 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 50900 | 19.69 | ug/L | 95 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 73529 | 17.82 | ug/L | 96 |
| 79) Chlorobenzene | 9.835 | 112 | 147276 | 19.30 | ug/L | 97 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 65576 | 18.32 | ug/L | 96 |
| 81) 1,1,1,2-Tetrachloroethane | 9.926 | 131 | 44252 | 18.57 | ug/L | 93 |
| 82) Ethylbenzene | 9.957 | 106 | 77042 | 19.73 | ug/L | 93 |
| 83) (m+p)Xylene | 10.067 | 106 | 183435 | 37.65 | ug/L | 99 |
| 84) o-Xylene | 10.426 | 106 | 88726 | 18.27 | ug/L | 95 |
| 85) Styrene | 10.439 | 104 | 156162 | 19.09 | ug/L | 98 |
| 86) Bromoform | 10.591 | 173 | 30406 | 17.48 | ug/L | 94 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 74963 | 19.15 | ug/L | 97 |
| 88) Isopropylbenzene | 10.762 | 105 | 216705 | 18.80 | ug/L | 98 |
| 89) Cyclohexanone | 10.823 | 55 | 211348 | 426.46 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 11.066 | 53 | 12817 | 20.04 | ug/L | 86 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 73550 | 19.89 | ug/L | 98 |
| 93) Bromobenzene | 11.006 | 156 | 66613 | 18.37 | ug/L | 91 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 23532 | 19.96 | ug/L | 95 |
| 95) n-Propylbenzene | 11.115 | 91 | 265541 | 19.74 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 162049 | 19.27 | ug/L | 95 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 164876 | 19.14 | ug/L | 98 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 189915 | 19.65 | ug/L | 96 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 196625 | 18.99 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.542 | 119 | 166679 | 18.88 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 194932 | 19.69 | ug/L | 100 |
| 102) 3,4-Dichlorobenzotrifl... | 11.640 | 214 | 53728 | 18.33 | ug/L | 97 |
| 103) sec-Butylbenzene | 11.725 | 105 | 222830 | 18.34 | ug/L | 99 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7788.D
 Acq On : 23 Jan 2023 6:37 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 24 09:18:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:18:54 2023
 Response via : Initial Calibration

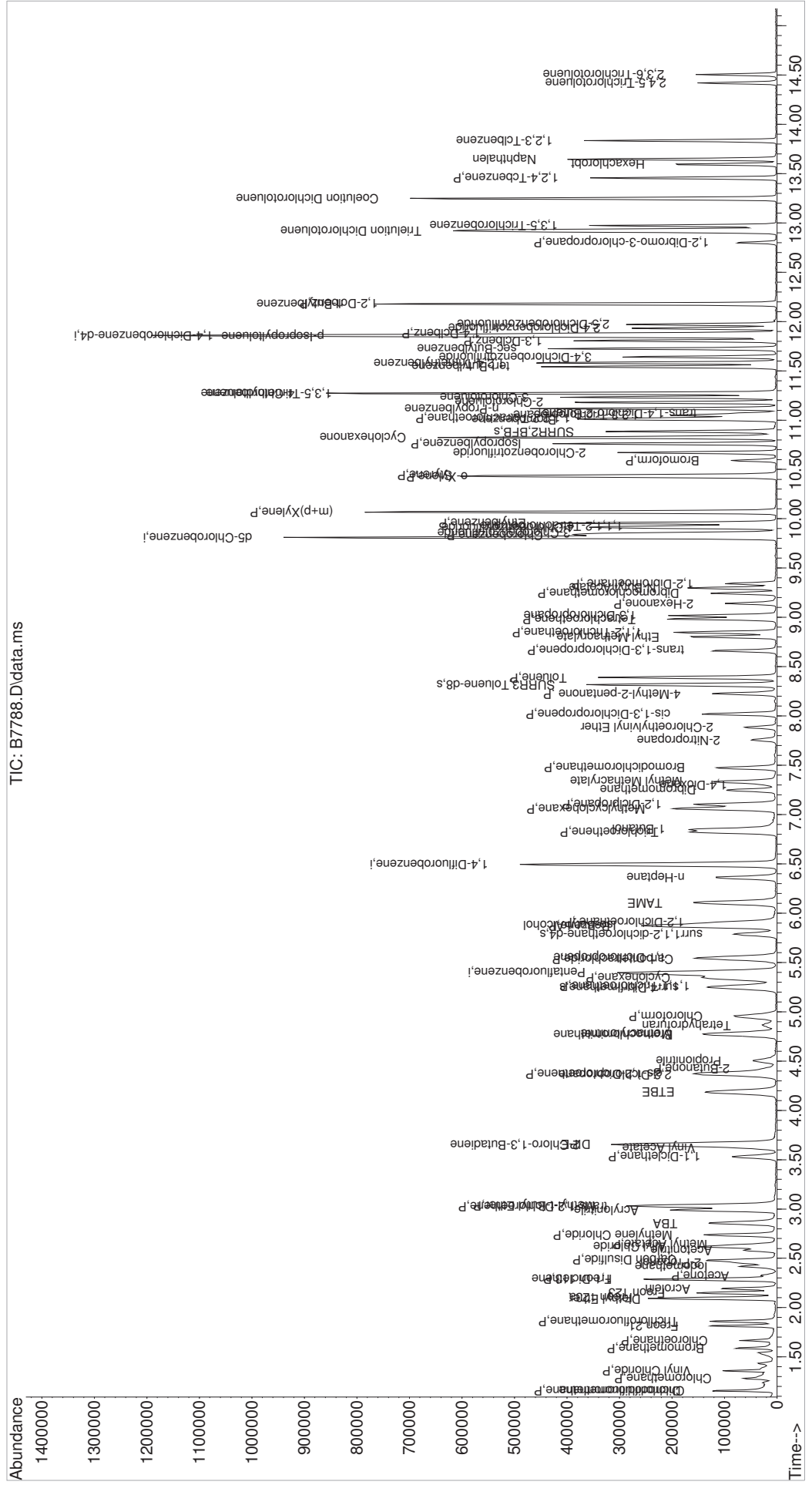
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 196002 | 17.86 | ug/L | 98 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 117389 | 18.42 | ug/L | 95 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 125659 | 18.84 | ug/L | 100 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 50746 | 18.64 | ug/L | 96 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 54113 | 17.94 | ug/L | 98 |
| 109) n-Butylbenzene | 12.176 | 91 | 162910 | 18.31 | ug/L | 95 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 123182 | 18.93 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 13007 | 17.45 | ug/L | 98 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 300657 | 60.31 | ug/L | 96 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 85283 | 19.87 | ug/L | 96 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 219667 | 40.67 | ug/L | 97 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 83950 | 21.22 | ug/L | 96 |
| 116) Hexachlorobt | 13.596 | 225 | 27825 | 18.22 | ug/L | 91 |
| 117) Naphthalen | 13.645 | 128 | 230260 | 22.28 | ug/L | 97 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 82067 | 21.00 | ug/L | 95 |
| 119) 2,4,5-Trichlorotoluene | 14.419 | 159 | 29283 | 18.87 | ug/L | 98 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 27802 | 19.21 | ug/L | 94 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
Data File : B7788.D
Acq On : 23 Jan 2023 6:37 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

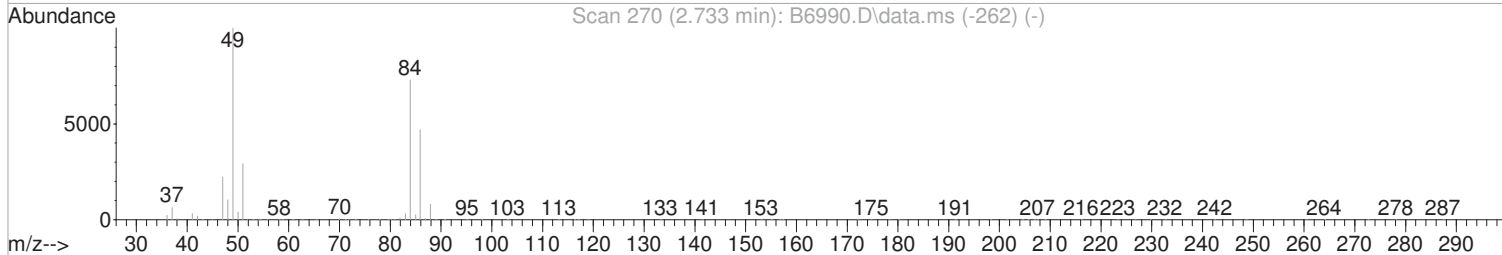
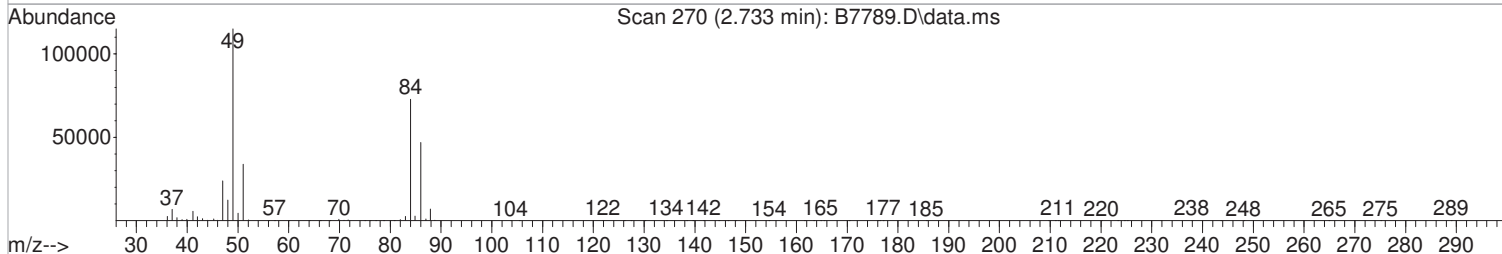
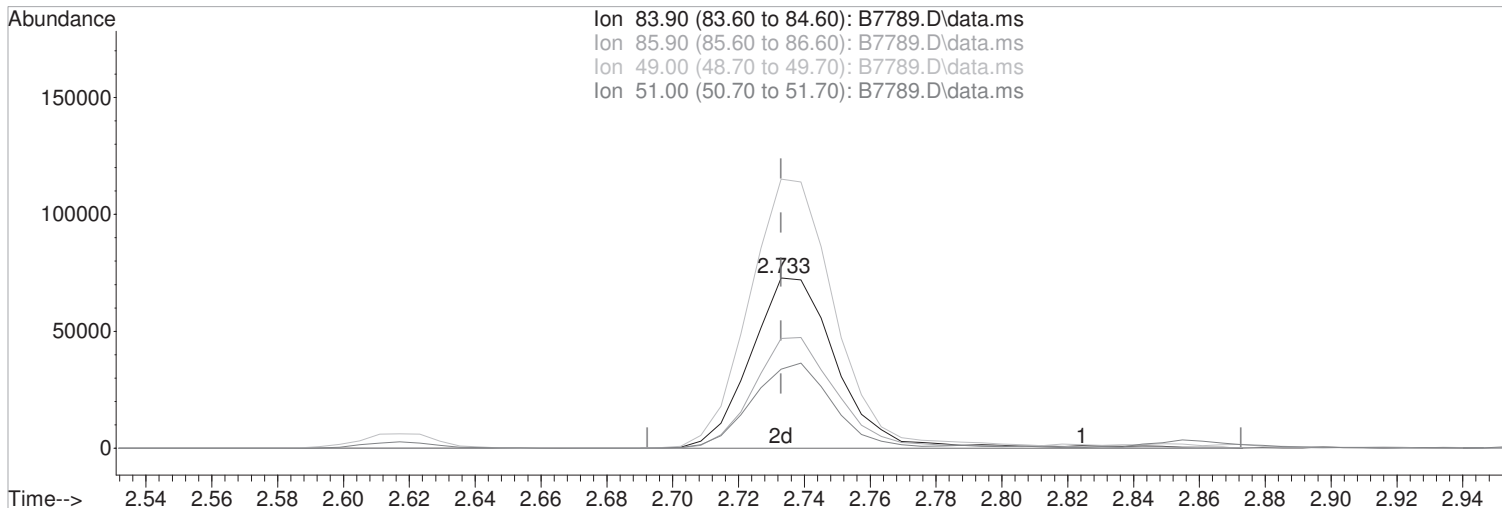
Quant Time: Jan 24 09:18:59 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:18:54 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7789.D
Acq On : 23 Jan 2023 6:59 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:20:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:20:12 2023
Response via : Initial Calibration



TIC: B7789.D\data.ms

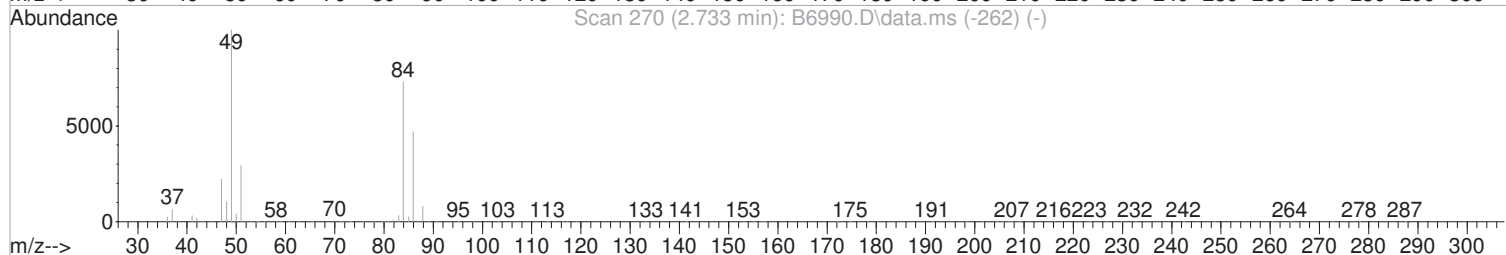
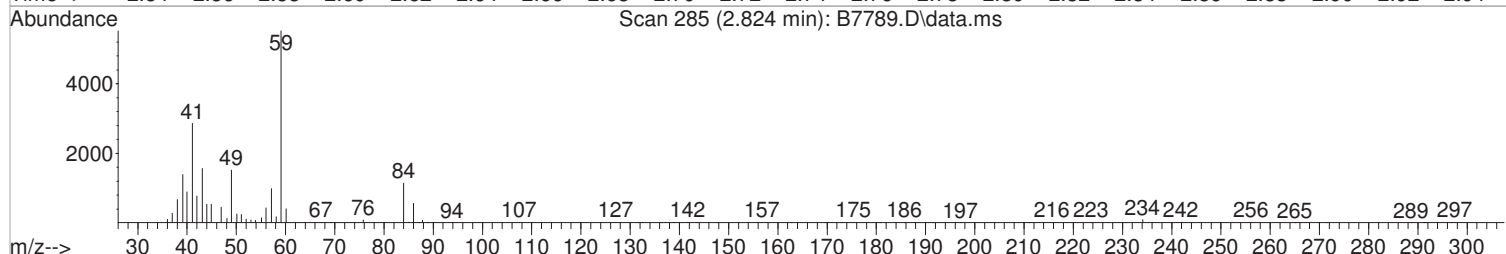
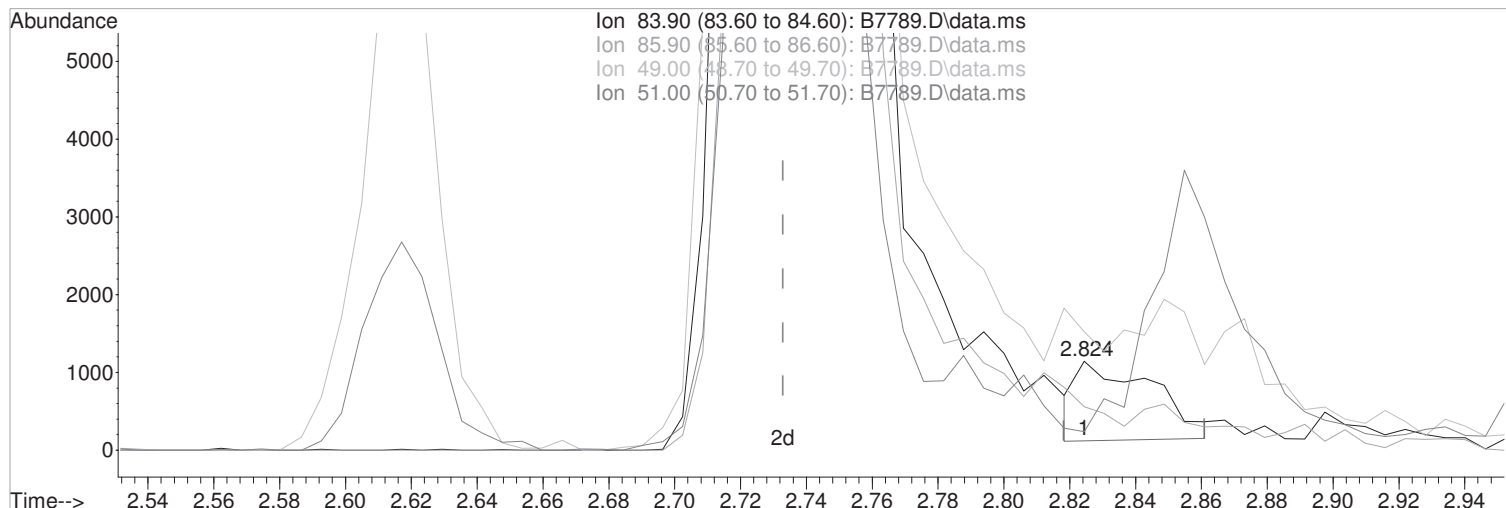
(23) Methylene Chloride (P)
2.733min (-0.000) 51.64 ug/L m
response 134593
Ion Exp% Act%
83.90 100 100
85.90 64.40 64.46
49.00 137.10 157.89#
51.00 40.20 46.46

Manual Integration:
After
Peak not found.
01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
Data File : B7789.D
Acq On : 23 Jan 2023 6:59 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:20:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:20:12 2023
Response via : Initial Calibration



TIC: B7789.D\data.ms

(23) Methylene Chloride (P)

Manual Integration:

2.824min (+0.091) 0.63 ug/L

Before

response 1648

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.90 | 100 | 100 |
| 85.90 | 64.40 | 48.99 |
| 49.00 | 137.10 | 133.16 |
| 51.00 | 40.20 | 20.73 |

01/24/23

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7789.D
 Acq On : 23 Jan 2023 6:59 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 24 09:20:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:20:12 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 300309 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 458679 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 423369 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 230025 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|---------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 144837 | 49.53 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 99.06% | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 167912 | 50.66 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 101.32% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 562185 | 49.24 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 98.48% | | |
| 70) SURR2,BFB | 10.884 | 95 | 201086 | 48.94 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 97.88% | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 205090 | 54.10 | ug/L | 93 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 142740 | 55.25 | ug/L | 96 |
| 4) Chloromethane | 1.282 | 50 | 205186 | 52.20 | ug/L | 93 |
| 5) Vinyl Chloride | 1.361 | 62 | 201802 | 50.25 | ug/L | 100 |
| 6) Bromomethane | 1.587 | 94 | 108026 | 43.37 | ug/L | 93 |
| 7) Chloroethane | 1.666 | 64 | 105425 | 43.11 | ug/L | 96 |
| 8) Freon 21 | 1.812 | 67 | 258558 | 52.42 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.861 | 101 | 188100 | 45.98 | ug/L | 99 |
| 10) Diethyl Ether | 2.087 | 59 | 134192 | 51.55 | ug/L | 97 |
| 11) Freon 123a | 2.093 | 67 | 165718 | 53.62 | ug/L | 83 |
| 12) Freon 123 | 2.148 | 83 | 190401 | 51.95 | ug/L | 96 |
| 13) Acrolein | 2.190 | 56 | 180986 | 271.97 | ug/L | 96 |
| 14) 1,1-Dicethene | 2.282 | 96 | 111718 | 47.46 | ug/L # | 83 |
| 15) Freon 113 | 2.288 | 101 | 107688 | 44.58 | ug/L | 90 |
| 16) Acetone | 2.324 | 43 | 69304 | 51.73 | ug/L | 93 |
| 17) 2-Propanol | 2.459 | 45 | 259800 | 1115.83 | ug/L | 99 |
| 18) Iodomethane | 2.416 | 142 | 180760 | 49.76 | ug/L | 98 |
| 19) Carbon Disulfide | 2.477 | 76 | 332602 | 46.18 | ug/L | 99 |
| 20) Acetonitrile | 2.580 | 41 | 158441 | 293.64 | ug/L | 96 |
| 21) Allyl Chloride | 2.617 | 76 | 56523 | 48.17 | ug/L # | 76 |
| 22) Methyl Acetate | 2.635 | 43 | 188891 | 51.86 | ug/L | 100 |
| 23) Methylene Chloride | 2.733 | 84 | 134593m | 51.64 | ug/L | |
| 24) TBA | 2.855 | 59 | 361865 | 1098.23 | ug/L | 98 |
| 25) Acrylonitrile | 2.989 | 53 | 406011 | 270.95 | ug/L | 100 |
| 26) Methyl-t-Butyl Ether | 3.032 | 73 | 398462 | 53.50 | ug/L | 93 |
| 27) trans-1,2-Dichloroethene | 3.032 | 96 | 123566 | 47.46 | ug/L | 91 |
| 28) 1,1-Dicethane | 3.532 | 63 | 235757 | 47.95 | ug/L | 98 |
| 29) Vinyl Acetate | 3.617 | 86 | 18597 | 52.29 | ug/L | 97 |
| 30) DIPE | 3.653 | 45 | 623939 | 57.72 | ug/L | 98 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 228046 | 50.20 | ug/L | 87 |
| 32) ETBE | 4.184 | 59 | 407569 | 59.86 | ug/L | 93 |
| 33) 2,2-Dichloropropane | 4.367 | 77 | 110287 | 49.21 | ug/L | 94 |
| 34) cis-1,2-Dichloroethene | 4.379 | 96 | 143502 | 47.44 | ug/L | 92 |
| 35) 2-Butanone | 4.415 | 43 | 118930 | 54.69 | ug/L | 97 |
| 36) Propionitrile | 4.507 | 54 | 167096 | 282.33 | ug/L | 92 |
| 37) Bromochloromethane | 4.775 | 130 | 103255 | 47.50 | ug/L | 92 |
| 38) Methacrylonitrile | 4.775 | 67 | 73257 | 51.63 | ug/L | 98 |
| 39) Tetrahydrofuran | 4.861 | 42 | 70559 | 55.19 | ug/L | 97 |
| 40) Chloroform | 4.952 | 83 | 229596 | 47.30 | ug/L | 93 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7789.D
 Acq On : 23 Jan 2023 6:59 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 24 09:20:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:20:12 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 168090 | 47.21 | ug/L | 96 |
| 43) Cyclohexane | 5.342 | 41 | 166717 | 52.44 | ug/L | 99 |
| 45) Carbontetrachloride | 5.537 | 117 | 136693 | 47.36 | ug/L | 97 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 158864 | 47.43 | ug/L | 96 |
| 48) Benzene | 5.873 | 78 | 521128 | 48.97 | ug/L | 96 |
| 49) 1,2-Dichloroethane | 5.903 | 62 | 215196 | 51.29 | ug/L | 95 |
| 50) Iso-Butyl Alcohol | 5.879 | 43 | 193239 | 1158.22 | ug/L | 96 |
| 51) TAME | 6.110 | 73 | 348703 | 56.50 | ug/L | 97 |
| 52) n-Heptane | 6.360 | 43 | 159668 | 45.08 | ug/L | 95 |
| 53) 1-Butanol | 6.854 | 56 | 274586 | 3193.04 | ug/L | 94 |
| 54) Trichloroethene | 6.824 | 130 | 142171 | 46.53 | ug/L | 92 |
| 55) Methylcyclohexane | 7.061 | 55 | 195218 | 53.70 | ug/L | 85 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 150742 | 53.24 | ug/L | 97 |
| 57) Dibromomethane | 7.244 | 93 | 92375 | 48.52 | ug/L | 96 |
| 58) 1,4-Dioxane | 7.311 | 88 | 50849 | 999.32 | ug/L | 93 |
| 59) Methyl Methacrylate | 7.330 | 69 | 109515 | 55.24 | ug/L | 96 |
| 60) Bromodichloromethane | 7.470 | 83 | 178820 | 49.55 | ug/L | 97 |
| 61) 2-Nitropropane | 7.756 | 41 | 86941 | 110.06 | ug/L | 98 |
| 62) 2-Chloroethylvinyl Ether | 7.878 | 63 | 64201 | 52.27 | ug/L | 90 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 183319 | 51.52 | ug/L | 99 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 227425 | 54.92 | ug/L | 97 |
| 66) Toluene | 8.390 | 91 | 569185 | 47.85 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.659 | 75 | 150361 | 53.81 | ug/L | 94 |
| 68) Ethyl Methacrylate | 8.799 | 69 | 195350 | 56.22 | ug/L | 97 |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 139013 | 49.58 | ug/L | 97 |
| 72) Tetrachloroethene | 8.982 | 164 | 104948 | 47.05 | ug/L | 97 |
| 73) 2-Hexanone | 9.140 | 43 | 166812 | 57.17 | ug/L | 97 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 231239 | 49.60 | ug/L | 90 |
| 75) Dibromochloromethane | 9.244 | 129 | 153379 | 54.20 | ug/L | 97 |
| 76) N-Butyl Acetate | 9.299 | 43 | 336104 | 59.10 | ug/L | 99 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 145158 | 51.95 | ug/L | 89 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 223451 | 50.65 | ug/L | 98 |
| 79) Chlorobenzene | 9.835 | 112 | 380309 | 46.68 | ug/L | 95 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 202759 | 53.05 | ug/L | 95 |
| 81) 1,1,1,2-Tetrachloroethane | 9.927 | 131 | 128722 | 50.57 | ug/L | 96 |
| 82) Ethylbenzene | 9.957 | 106 | 193552 | 46.33 | ug/L | 97 |
| 83) (m+p)Xylene | 10.067 | 106 | 482863 | 93.07 | ug/L | 97 |
| 84) o-Xylene | 10.427 | 106 | 241198 | 46.70 | ug/L | 97 |
| 85) Styrene | 10.439 | 104 | 424091 | 48.56 | ug/L | 99 |
| 86) Bromoform | 10.591 | 173 | 94327 | 50.71 | ug/L | 98 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 220809 | 52.84 | ug/L | 96 |
| 88) Isopropylbenzene | 10.762 | 105 | 567319 | 46.18 | ug/L | 99 |
| 89) Cyclohexanone | 10.823 | 55 | 652461 | 1189.53 | ug/L | 100 |
| 90) trans-1,4-Dichloro-2-B... | 11.073 | 53 | 39372 | 56.08 | ug/L | 92 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 201518 | 49.72 | ug/L | 100 |
| 93) Bromobenzene | 11.006 | 156 | 184097 | 46.59 | ug/L | 94 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 61756 | 47.86 | ug/L # | 89 |
| 95) n-Propylbenzene | 11.115 | 91 | 681347 | 46.68 | ug/L | 98 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 422108 | 46.24 | ug/L | 97 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 509185 | 54.20 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 485957 | 46.15 | ug/L | 96 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 516158 | 46.01 | ug/L | 100 |
| 100) tert-Butylbenzene | 11.542 | 119 | 433980 | 45.45 | ug/L | 97 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 518452 | 48.36 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 161476 | 50.91 | ug/L | 99 |
| 103) sec-Butylbenzene | 11.725 | 105 | 602178 | 46.07 | ug/L | 100 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7789.D
 Acq On : 23 Jan 2023 6:59 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 24 09:20:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:20:12 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 543079 | 45.94 | ug/L | 99 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 327656 | 47.45 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 333783 | 46.05 | ug/L | 98 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 146251 | 49.51 | ug/L | 97 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 165865 | 51.02 | ug/L | 95 |
| 109) n-Butylbenzene | 12.176 | 91 | 446860 | 46.49 | ug/L | 100 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 340875 | 48.26 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.798 | 157 | 44209 | 53.95 | ug/L | 98 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 901256 | 165.91 | ug/L | 98 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 252731 | 54.08 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 662120 | 112.62 | ug/L | 98 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 225321 | 52.25 | ug/L | 95 |
| 116) Hexachlorobt | 13.597 | 225 | 69495 | 42.24 | ug/L | 97 |
| 117) Naphthalen | 13.645 | 128 | 643703 | 57.11 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 223997 | 52.78 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 111349 | 66.34 | ug/L | 92 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 100786 | 64.45 | ug/L | 93 |

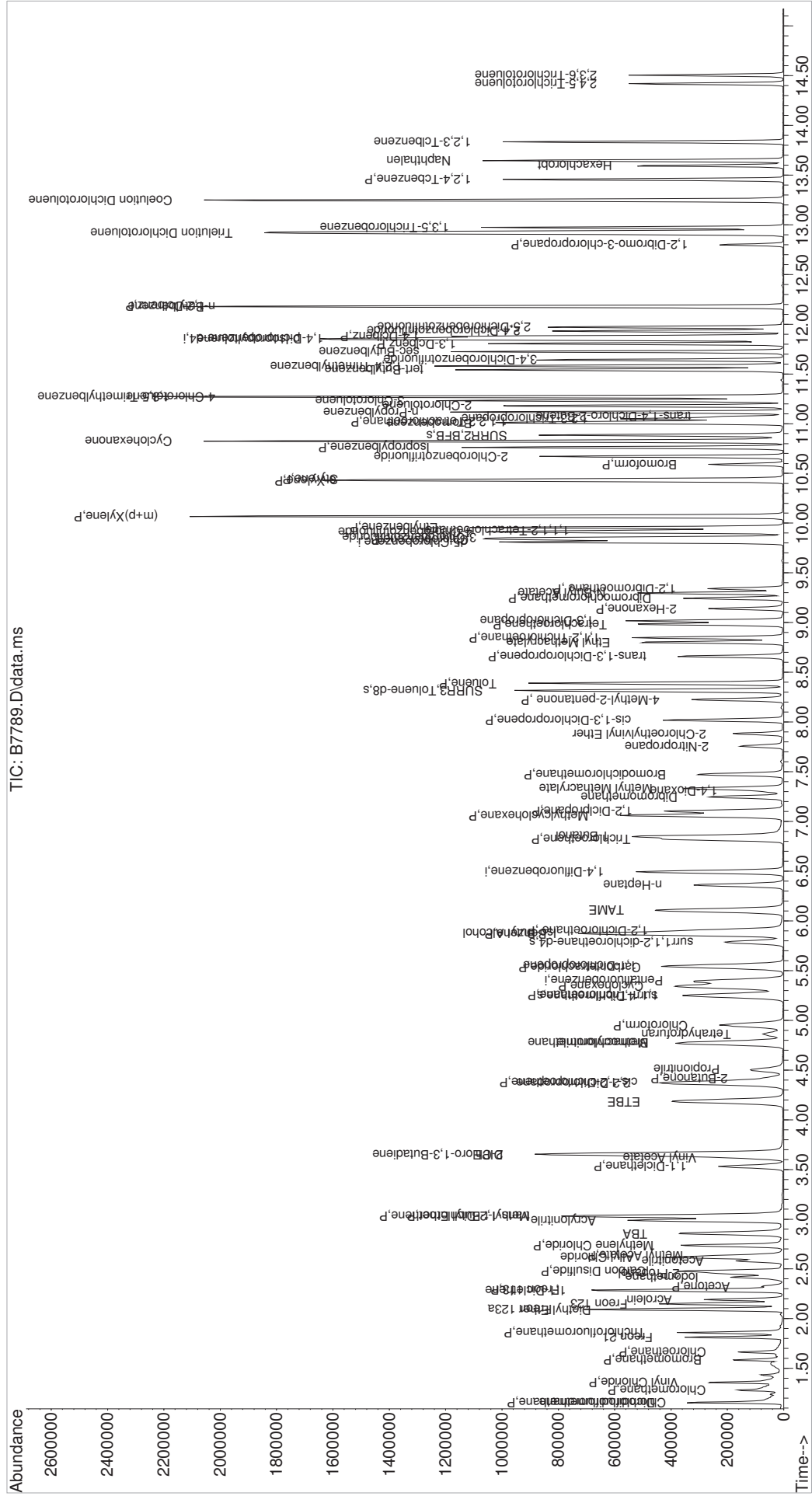
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQDATA\msvoa10\data\012323\
 Data File : B7789.D
 Acq On : 23 Jan 2023 6:59 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:20:41 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:20:12 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7790.D
 Acq On : 23 Jan 2023 7:21 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 24 09:21:48 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:21:36 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 310909 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 464968 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 434062 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 239564 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|----------|--------|----------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 297482 | 100.36 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 200.72%# | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 342404 | 101.90 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 203.80%# | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 1135893 | 98.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 196.28%# | |
| 70) SURR2,BFB | 10.884 | 95 | 418063 | 100.38 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 200.76%# | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 428141 | 109.08 | ug/L | 98 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 273684 | 102.32 | ug/L | 99 |
| 4) Chloromethane | 1.276 | 50 | 402407 | 98.87 | ug/L | 97 |
| 5) Vinyl Chloride | 1.355 | 62 | 403942 | 97.16 | ug/L | 97 |
| 6) Bromomethane | 1.581 | 94 | 221903 | 86.05 | ug/L | 100 |
| 7) Chloroethane | 1.660 | 64 | 205645 | 81.22 | ug/L | 98 |
| 8) Freon 21 | 1.812 | 67 | 547291 | 107.18 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.855 | 101 | 373368 | 88.15 | ug/L | 97 |
| 10) Diethyl Ether | 2.093 | 59 | 273493 | 101.48 | ug/L | 97 |
| 11) Freon 123a | 2.093 | 67 | 348871 | 109.03 | ug/L | 99 |
| 12) Freon 123 | 2.148 | 83 | 385736 | 101.66 | ug/L | 99 |
| 13) Acrolein | 2.190 | 56 | 361197 | 524.27 | ug/L | 100 |
| 14) 1,1-Dicethene | 2.282 | 96 | 223379 | 91.67 | ug/L | 94 |
| 15) Freon 113 | 2.288 | 101 | 217881 | 87.13 | ug/L | 90 |
| 16) Acetone | 2.324 | 43 | 138649 | 99.96 | ug/L | 96 |
| 17) 2-Propanol | 2.458 | 45 | 571850 | 2372.33 | ug/L | 97 |
| 18) Iodomethane | 2.416 | 142 | 382649 | 101.74 | ug/L | 94 |
| 19) Carbon Disulfide | 2.477 | 76 | 709811 | 95.20 | ug/L | 99 |
| 20) Acetonitrile | 2.580 | 41 | 270147 | 483.60 | ug/L | 99 |
| 21) Allyl Chloride | 2.617 | 76 | 123431 | 101.61 | ug/L # | 94 |
| 22) Methyl Acetate | 2.635 | 43 | 377579 | 100.13 | ug/L | 97 |
| 23) Methylene Chloride | 2.739 | 84 | 263980 | 87.87 | ug/L | 99 |
| 24) TBA | 2.861 | 59 | 777217 | 2278.36 | ug/L | 99 |
| 25) Acrylonitrile | 2.989 | 53 | 820851 | 529.12 | ug/L | 98 |
| 26) Methyl-t-Butyl Ether | 3.038 | 73 | 804367 | 104.33 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 3.032 | 96 | 246687 | 91.51 | ug/L | 96 |
| 28) 1,1-Dicethane | 3.531 | 63 | 483157 | 94.92 | ug/L | 100 |
| 29) Vinyl Acetate | 3.617 | 86 | 40927 | 111.15 | ug/L # | 55 |
| 30) DIPE | 3.660 | 45 | 1221655 | 109.15 | ug/L | 96 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 463828 | 98.62 | ug/L | 100 |
| 32) ETBE | 4.184 | 59 | 843064 | 119.59 | ug/L | 99 |
| 33) 2,2-Dichloropropane | 4.367 | 77 | 232876 | 100.36 | ug/L | 97 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 295684 | 94.42 | ug/L | 89 |
| 35) 2-Butanone | 4.422 | 43 | 230774 | 102.51 | ug/L | 93 |
| 36) Propionitrile | 4.501 | 54 | 334578 | 546.03 | ug/L | 93 |
| 37) Bromochloromethane | 4.775 | 130 | 211805 | 94.11 | ug/L | 96 |
| 38) Methacrylonitrile | 4.775 | 67 | 148678 | 101.22 | ug/L | 86 |
| 39) Tetrahydrofuran | 4.860 | 42 | 136528 | 103.14 | ug/L | 99 |
| 40) Chloroform | 4.952 | 83 | 466229 | 92.77 | ug/L | 96 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7790.D
 Acq On : 23 Jan 2023 7:21 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 24 09:21:48 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:21:36 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 346638 | 94.03 | ug/L | 96 |
| 43) Cyclohexane | 5.342 | 41 | 346130 | 107.39 | ug/L | 98 |
| 45) Carbontetrachloride | 5.537 | 117 | 283954 | 97.04 | ug/L | 96 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 311078 | 91.62 | ug/L | 100 |
| 48) Benzene | 5.866 | 78 | 1023447 | 94.86 | ug/L | 98 |
| 49) 1,2-Dichloroethane | 5.909 | 62 | 426841 | 100.35 | ug/L | 97 |
| 50) Iso-Butyl Alcohol | 5.885 | 43 | 415143 | 2454.59 | ug/L | 98 |
| 51) TAME | 6.110 | 73 | 731700 | 116.95 | ug/L | 98 |
| 52) n-Heptane | 6.360 | 43 | 323540 | 90.12 | ug/L | 99 |
| 53) 1-Butanol | 6.854 | 56 | 600475 | 6888.21 | ug/L | 98 |
| 54) Trichloroethene | 6.824 | 130 | 289686 | 93.52 | ug/L | 94 |
| 55) Methylcyclohexane | 7.061 | 55 | 403685 | 109.54 | ug/L | 97 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 299543 | 104.36 | ug/L | 97 |
| 57) Dibromomethane | 7.244 | 93 | 189733 | 98.30 | ug/L | 97 |
| 58) 1,4-Dioxane | 7.305 | 88 | 104970 | 2035.04 | ug/L | 96 |
| 59) Methyl Methacrylate | 7.336 | 69 | 231188 | 115.04 | ug/L | 93 |
| 60) Bromodichloromethane | 7.476 | 83 | 359452 | 98.25 | ug/L | 95 |
| 61) 2-Nitropropane | 7.756 | 41 | 186674 | 233.12 | ug/L | 99 |
| 62) 2-Chloroethylvinyl Ether | 7.884 | 63 | 141406 | 113.56 | ug/L | 89 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 403804 | 111.94 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 466488 | 111.13 | ug/L | 98 |
| 66) Toluene | 8.390 | 91 | 1133885 | 94.03 | ug/L | 97 |
| 67) trans-1,3-Dichloropropene | 8.659 | 75 | 338740 | 119.59 | ug/L | 98 |
| 68) Ethyl Methacrylate | 8.805 | 69 | 410445 | 116.53 | ug/L | 98 |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 281681 | 99.11 | ug/L | 98 |
| 72) Tetrachloroethene | 8.982 | 164 | 212296 | 92.83 | ug/L | 95 |
| 73) 2-Hexanone | 9.140 | 43 | 339033 | 113.34 | ug/L | 100 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 472916 | 98.93 | ug/L | 97 |
| 75) Dibromochloromethane | 9.244 | 129 | 319817 | 110.23 | ug/L | 97 |
| 76) N-Butyl Acetate | 9.299 | 43 | 721853 | 123.81 | ug/L | 98 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 297561 | 103.88 | ug/L | 97 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 428562 | 94.75 | ug/L | 98 |
| 79) Chlorobenzene | 9.835 | 112 | 791908 | 94.81 | ug/L | 97 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 385450 | 98.36 | ug/L | 99 |
| 81) 1,1,1,2-Tetrachloroethane | 9.927 | 131 | 273665 | 104.87 | ug/L | 98 |
| 82) Ethylbenzene | 9.957 | 106 | 398991 | 93.15 | ug/L | 95 |
| 83) (m+p)Xylene | 10.067 | 106 | 997610 | 187.54 | ug/L | 95 |
| 84) o-Xylene | 10.426 | 106 | 490940 | 92.70 | ug/L | 99 |
| 85) Styrene | 10.439 | 104 | 879089 | 98.17 | ug/L | 98 |
| 86) Bromoform | 10.591 | 173 | 208269 | 109.20 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 431673 | 100.75 | ug/L | 97 |
| 88) Isopropylbenzene | 10.762 | 105 | 1152942 | 91.54 | ug/L | 99 |
| 89) Cyclohexanone | 10.823 | 55 | 1354734 | 2409.03 | ug/L | 97 |
| 90) trans-1,4-Dichloro-2-B... | 11.073 | 53 | 85443 | 118.70 | ug/L | 93 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 405409 | 96.04 | ug/L | 98 |
| 93) Bromobenzene | 11.006 | 156 | 377350 | 91.69 | ug/L | 99 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 129215 | 96.16 | ug/L | 91 |
| 95) n-Propylbenzene | 11.115 | 91 | 1408494 | 92.66 | ug/L | 98 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 871065 | 91.61 | ug/L | 98 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 975702 | 99.72 | ug/L | 98 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 1018444 | 92.87 | ug/L | 97 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 1081704 | 92.58 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.542 | 119 | 906348 | 91.14 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 1082288 | 96.93 | ug/L | 100 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 317956 | 96.26 | ug/L | 98 |
| 103) sec-Butylbenzene | 11.725 | 105 | 1258599 | 92.45 | ug/L | 100 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7790.D
 Acq On : 23 Jan 2023 7:21 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 24 09:21:48 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:21:36 2023
 Response via : Initial Calibration

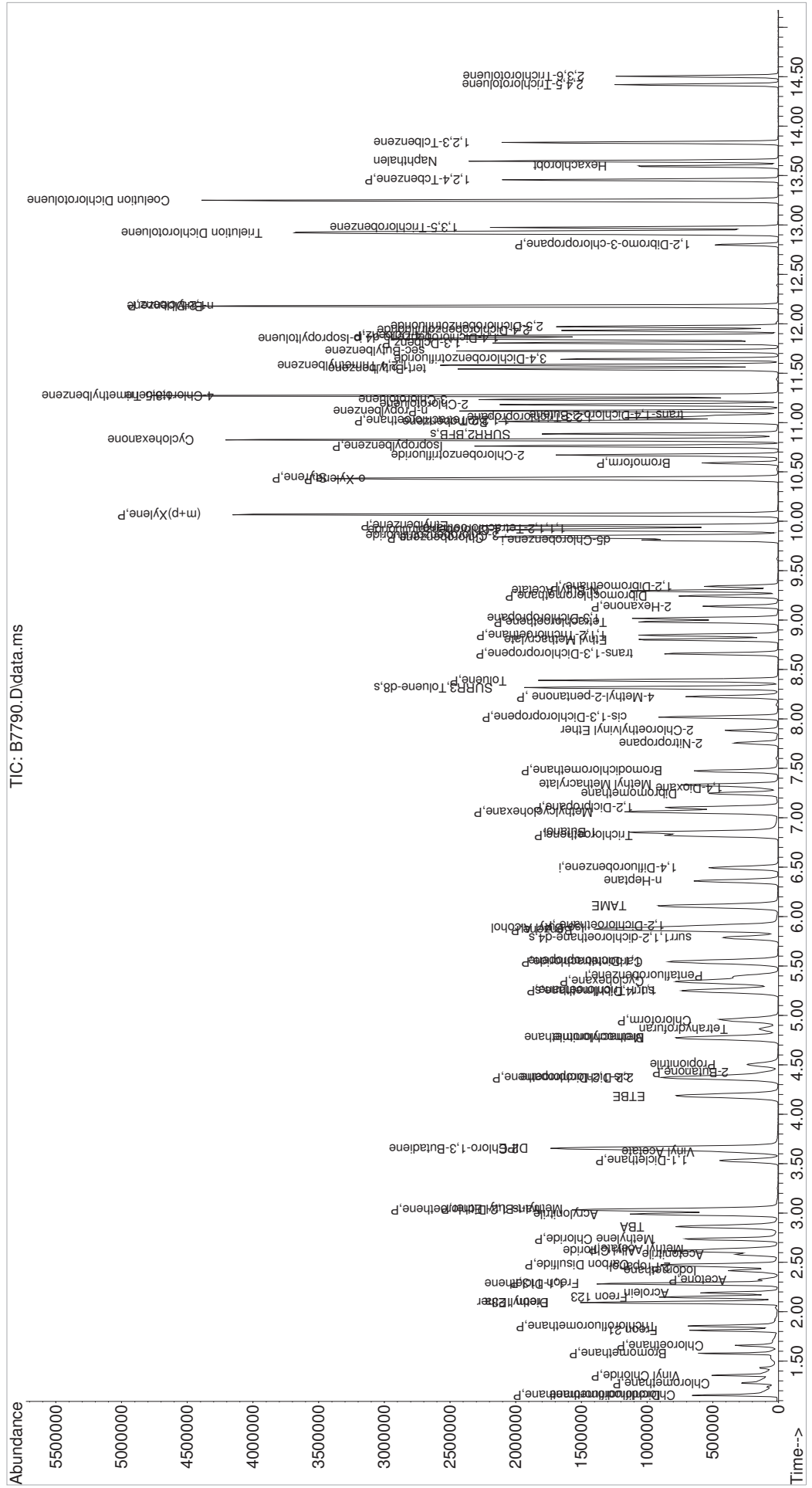
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 1143294 | 92.86 | ug/L | 99 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 674251 | 93.76 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 699233 | 92.62 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 287446 | 93.44 | ug/L | 99 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 330390 | 97.57 | ug/L | 98 |
| 109) n-Butylbenzene | 12.176 | 91 | 971944 | 97.09 | ug/L | 98 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 712459 | 96.85 | ug/L | 98 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 95072 | 111.40 | ug/L | 92 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 1832735 | 323.96 | ug/L | 98 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 511558 | 105.11 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 1361576 | 222.37 | ug/L | 99 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 488321 | 108.73 | ug/L | 99 |
| 116) Hexachlorobt | 13.597 | 225 | 152681 | 89.11 | ug/L | 97 |
| 117) Naphthalen | 13.645 | 128 | 1373737 | 117.04 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 482932 | 109.25 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 246973 | 141.29 | ug/L | 95 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 219645 | 134.86 | ug/L | 96 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
 Data File : B7790.D
 Acq On : 23 Jan 2023 7:21 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:21:48 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:21:36 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7791.D
 Acq On : 23 Jan 2023 7:42 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 24 09:22:58 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:22:53 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 300682 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 457216 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 423336 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 241034 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|----------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 565407 | 192.40 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 384.80%# | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 640515 | 189.51 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 379.02%# | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 2145659 | 187.43 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 374.86%# | | |
| 70) SURR2,BFB | 10.884 | 95 | 797386 | 195.08 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 390.16%# | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 657421 | 170.98 | ug/L | 97 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 488460 | 187.88 | ug/L | 99 |
| 4) Chloromethane | 1.276 | 50 | 701288 | 175.26 | ug/L | 99 |
| 5) Vinyl Chloride | 1.355 | 62 | 704508 | 173.78 | ug/L | 99 |
| 6) Bromomethane | 1.574 | 94 | 421668 | 170.76 | ug/L | 96 |
| 7) Chloroethane | 1.648 | 64 | 292876 | 119.95 | ug/L | 98 |
| 8) Freon 21 | 1.806 | 67 | 781336 | 156.73 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.849 | 101 | 663709 | 164.21 | ug/L | 99 |
| 10) Diethyl Ether | 2.093 | 59 | 427630 | 161.76 | ug/L | 97 |
| 11) Freon 123a | 2.093 | 67 | 519790 | 165.42 | ug/L | 99 |
| 12) Freon 123 | 2.148 | 83 | 574943 | 155.62 | ug/L | 98 |
| 13) Acrolein | 2.190 | 56 | 550567 | 798.86 | ug/L | 98 |
| 14) 1,1-Dicethene | 2.282 | 96 | 382621 | 163.55 | ug/L | 93 |
| 15) Freon 113 | 2.282 | 101 | 397097 | 166.85 | ug/L | 90 |
| 16) Acetone | 2.330 | 43 | 213876 | 156.17 | ug/L | 97 |
| 17) 2-Propanol | 2.471 | 45 | 973365 | 4069.67 | ug/L | 96 |
| 18) Iodomethane | 2.416 | 142 | 597467 | 165.31 | ug/L | 96 |
| 19) Carbon Disulfide | 2.477 | 76 | 1192338 | 165.22 | ug/L | 99 |
| 20) Acetonitrile | 2.586 | 41 | 374633 | 684.96 | ug/L | 97 |
| 21) Allyl Chloride | 2.617 | 76 | 207757 | 176.01 | ug/L # | 88 |
| 22) Methyl Acetate | 2.641 | 43 | 582582 | 157.73 | ug/L | 100 |
| 23) Methylene Chloride | 2.733 | 84 | 434720 | 150.22 | ug/L | 99 |
| 24) TBA | 2.873 | 59 | 1332884 | 3970.70 | ug/L | 93 |
| 25) Acrylonitrile | 2.989 | 53 | 1229386 | 802.80 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 3.038 | 73 | 1312782 | 174.13 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 3.025 | 96 | 422601 | 163.80 | ug/L | 97 |
| 28) 1,1-Dicethane | 3.525 | 63 | 796090 | 161.34 | ug/L | 98 |
| 29) Vinyl Acetate | 3.617 | 86 | 61997 | 174.72 | ug/L # | 57 |
| 30) DIPE | 3.659 | 45 | 1802368 | 161.86 | ug/L | 98 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 791112 | 172.42 | ug/L | 98 |
| 32) ETBE | 4.190 | 59 | 1306167 | 182.84 | ug/L | 99 |
| 33) 2,2-Dichloropropane | 4.367 | 77 | 431216 | 192.33 | ug/L | 96 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 482806 | 160.65 | ug/L | 95 |
| 35) 2-Butanone | 4.415 | 43 | 353996 | 157.39 | ug/L | 97 |
| 36) Propionitrile | 4.501 | 54 | 502187 | 830.18 | ug/L | 90 |
| 37) Bromochloromethane | 4.769 | 130 | 328417 | 151.24 | ug/L | 92 |
| 38) Methacrylonitrile | 4.775 | 67 | 225494 | 156.81 | ug/L | 88 |
| 39) Tetrahydrofuran | 4.860 | 42 | 215233 | 165.66 | ug/L | 95 |
| 40) Chloroform | 4.958 | 83 | 759708 | 157.08 | ug/L | 94 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7791.D
 Acq On : 23 Jan 2023 7:42 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 24 09:22:58 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:22:53 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 624424 | 176.92 | ug/L | 97 |
| 43) Cyclohexane | 5.342 | 41 | 512225 | 157.81 | ug/L | 97 |
| 45) Carbontetrachloride | 5.537 | 117 | 515609 | 181.04 | ug/L | 93 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 552421 | 166.50 | ug/L | 95 |
| 48) Benzene | 5.866 | 78 | 1707847 | 160.96 | ug/L | 99 |
| 49) 1,2-Dichloroethane | 5.909 | 62 | 668036 | 158.30 | ug/L | 93 |
| 50) Iso-Butyl Alcohol | 5.891 | 43 | 692921 | 4022.90 | ug/L | 97 |
| 51) TAME | 6.104 | 73 | 1142332 | 179.56 | ug/L | 98 |
| 52) n-Heptane | 6.360 | 43 | 585673 | 166.08 | ug/L | 95 |
| 53) 1-Butanol | 6.860 | 56 | 1039292 | 11747.38 | ug/L | 99 |
| 54) Trichloroethene | 6.823 | 130 | 491600 | 162.13 | ug/L | 96 |
| 55) Methylcyclohexane | 7.061 | 55 | 596783 | 161.03 | ug/L | 96 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 481401 | 168.80 | ug/L | 100 |
| 57) Dibromomethane | 7.244 | 93 | 296765 | 156.45 | ug/L | 98 |
| 58) 1,4-Dioxane | 7.311 | 88 | 168589 | 3312.50 | ug/L | 92 |
| 59) Methyl Methacrylate | 7.336 | 69 | 363030 | 180.37 | ug/L | 95 |
| 60) Bromodichloromethane | 7.476 | 83 | 587930 | 163.62 | ug/L | 94 |
| 61) 2-Nitropropane | 7.756 | 41 | 305263 | 383.46 | ug/L | 97 |
| 62) 2-Chloroethylvinyl Ether | 7.884 | 63 | 238076 | 192.76 | ug/L | 96 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 658040 | 184.35 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 727114 | 170.74 | ug/L | 94 |
| 66) Toluene | 8.390 | 91 | 1915183 | 162.56 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.658 | 75 | 564807 | 200.97 | ug/L | 99 |
| 68) Ethyl Methacrylate | 8.805 | 69 | 664468 | 188.85 | ug/L | 99 |
| 69) 1,1,2-Trichloroethane | 8.847 | 97 | 436120 | 155.66 | ug/L | 96 |
| 72) Tetrachloroethene | 8.988 | 164 | 373668 | 169.02 | ug/L | 97 |
| 73) 2-Hexanone | 9.140 | 43 | 536056 | 178.38 | ug/L | 99 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 726794 | 154.46 | ug/L | 96 |
| 75) Dibromochloromethane | 9.244 | 129 | 509721 | 180.29 | ug/L | 98 |
| 76) N-Butyl Acetate | 9.299 | 43 | 1159704 | 196.88 | ug/L | 99 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 469334 | 168.39 | ug/L | 91 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 637259 | 144.26 | ug/L | 98 |
| 79) Chlorobenzene | 9.835 | 112 | 1298300 | 160.57 | ug/L | 97 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 580872 | 151.84 | ug/L | 99 |
| 81) 1,1,1,2-Tetrachloroethane | 9.920 | 131 | 459384 | 182.12 | ug/L | 96 |
| 82) Ethylbenzene | 9.957 | 106 | 682593 | 164.97 | ug/L | 97 |
| 83) (m+p)Xylene | 10.073 | 106 | 1710898 | 333.70 | ug/L | 89 |
| 84) o-Xylene | 10.426 | 106 | 835774 | 163.57 | ug/L | 97 |
| 85) Styrene | 10.439 | 104 | 1455717 | 168.27 | ug/L | 97 |
| 86) Bromoform | 10.591 | 173 | 332747 | 179.55 | ug/L | 100 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 644475 | 154.37 | ug/L | 95 |
| 88) Isopropylbenzene | 10.762 | 105 | 2021222 | 167.00 | ug/L | 97 |
| 89) Cyclohexanone | 10.829 | 55 | 2357322 | 4127.07 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 11.073 | 53 | 136173 | 189.50 | ug/L | 88 |
| 92) 1,1,2,2-Tetrachloroethane | 11.024 | 83 | 639231 | 150.04 | ug/L | 99 |
| 93) Bromobenzene | 11.006 | 156 | 609418 | 147.61 | ug/L | 99 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 195452 | 143.69 | ug/L | 92 |
| 95) n-Propylbenzene | 11.115 | 91 | 2448782 | 161.35 | ug/L | 98 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 1463536 | 153.52 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 1457483 | 147.14 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 1767144 | 160.99 | ug/L | 98 |
| 99) 1,3,5-Trimethylbenzene | 11.274 | 105 | 1900968 | 163.41 | ug/L | 96 |
| 100) tert-Butylbenzene | 11.542 | 119 | 1594656 | 161.02 | ug/L | 97 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 1872516 | 168.22 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 488618 | 147.82 | ug/L | 99 |
| 103) sec-Butylbenzene | 11.725 | 105 | 2240450 | 165.63 | ug/L | 99 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7791.D
 Acq On : 23 Jan 2023 7:42 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 24 09:22:58 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:22:53 2023
 Response via : Initial Calibration

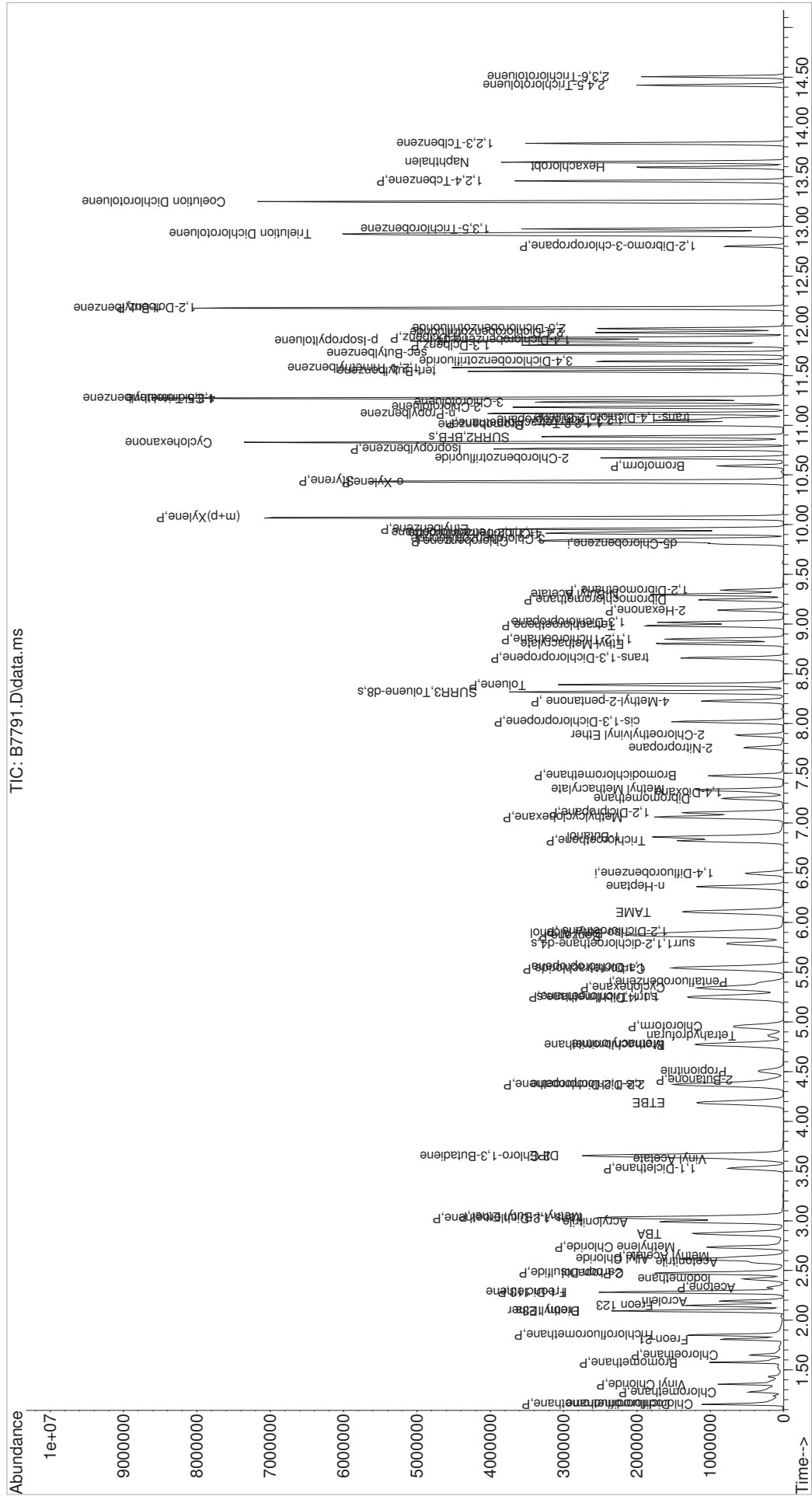
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 2042149 | 167.15 | ug/L | 98 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 1134201 | 158.01 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 1179828 | 156.33 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 455291 | 148.21 | ug/L | 99 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 518501 | 152.88 | ug/L | 99 |
| 109) n-Butylbenzene | 12.176 | 91 | 1830400 | 184.17 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 1192205 | 161.73 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 161459 | 188.00 | ug/L | 87 |
| 112) Trielution Dichlorotol... | 12.926 | 125 | 2937172 | 515.18 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 818221 | 167.38 | ug/L | 100 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 2164847 | 350.32 | ug/L | 98 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 868454 | 193.88 | ug/L | 96 |
| 116) Hexachlorobt | 13.597 | 225 | 290551 | 171.56 | ug/L | 96 |
| 117) Naphthalen | 13.645 | 128 | 2270004 | 192.70 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 817252 | 185.26 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 400051 | 227.93 | ug/L | 95 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 352877 | 216.71 | ug/L | 97 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
Data File : B7791.D
Acq On : 23 Jan 2023 7:42 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Jan 24 09:22:58 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:22:53 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7792.D
 Acq On : 23 Jan 2023 8:04 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 24 09:24:27 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:24:15 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 320346 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 477207 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 452331 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 252431 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|----------|-------|---------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.251 | 113 | 158111 | 51.17 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 102.34% | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 177950 | 49.56 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 99.12% | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 597307 | 49.70 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 99.40% | |
| 70) SURR2,BFB | 10.884 | 95 | 220983 | 52.08 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 104.16% | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 2) Chlorodifluoromethane | 1.160 | 51 | 917262 | 220.07 | ug/L | 100 |
| 3) Dichlorodifluoromethane | 1.154 | 85 | 691183 | 242.86 | ug/L | 97 |
| 4) Chloromethane | 1.276 | 50 | 957578 | 216.86 | ug/L | 98 |
| 5) Vinyl Chloride | 1.355 | 62 | 991117 | 222.69 | ug/L | 99 |
| 6) Bromomethane | 1.581 | 94 | 539557 | 199.84 | ug/L | 95 |
| 7) Chloroethane | 1.660 | 64 | 504929 | 195.12 | ug/L | 98 |
| 8) Freon 21 | 1.812 | 67 | 1154237 | 214.47 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.855 | 101 | 943252 | 217.57 | ug/L | 99 |
| 10) Diethyl Ether | 2.093 | 59 | 613650 | 213.26 | ug/L | 96 |
| 11) Freon 123a | 2.099 | 67 | 736017 | 214.69 | ug/L | 90 |
| 12) Freon 123 | 2.148 | 83 | 845608 | 211.57 | ug/L | 96 |
| 13) Acrolein | 2.190 | 56 | 792179 | 1036.68 | ug/L | 97 |
| 14) 1,1-Dicethene | 2.282 | 96 | 558175 | 222.42 | ug/L | 95 |
| 15) Freon 113 | 2.288 | 101 | 567533 | 222.25 | ug/L | 93 |
| 16) Acetone | 2.324 | 43 | 306534 | 203.26 | ug/L | 95 |
| 17) 2-Propanol | 2.465 | 45 | 1414280 | 5311.07 | ug/L | 95 |
| 18) Iodomethane | 2.416 | 142 | 935111 | 241.82 | ug/L | 97 |
| 19) Carbon Disulfide | 2.477 | 76 | 1765214 | 226.21 | ug/L | 98 |
| 20) Acetonitrile | 2.580 | 41 | 577263 | 976.27 | ug/L | 99 |
| 21) Allyl Chloride | 2.617 | 76 | 308186 | 241.57 | ug/L # | 85 |
| 22) Methyl Acetate | 2.635 | 43 | 833916 | 207.02 | ug/L | 97 |
| 23) Methylene Chloride | 2.739 | 84 | 615035 | 197.38 | ug/L | 96 |
| 24) TBA | 2.867 | 59 | 1966785 | 5278.41 | ug/L | 93 |
| 25) Acrylonitrile | 2.989 | 53 | 1760954 | 1050.12 | ug/L | 96 |
| 26) Methyl-t-Butyl Ether | 3.038 | 73 | 1902164 | 232.16 | ug/L | 95 |
| 27) trans-1,2-Dichloroethene | 3.032 | 96 | 608431 | 220.20 | ug/L | 99 |
| 28) 1,1-Dicethane | 3.531 | 63 | 1155736 | 216.63 | ug/L | 99 |
| 29) Vinyl Acetate | 3.617 | 86 | 91051 | 240.35 | ug/L # | 74 |
| 30) DIPE | 3.653 | 45 | 2600977 | 213.40 | ug/L | 99 |
| 31) 2-Chloro-1,3-Butadiene | 3.653 | 53 | 1161680 | 231.83 | ug/L | 98 |
| 32) ETBE | 4.184 | 59 | 1934521 | 242.55 | ug/L | 99 |
| 33) 2,2-Dichloropropane | 4.367 | 77 | 665691 | 274.35 | ug/L | 99 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 690492 | 214.44 | ug/L | 91 |
| 35) 2-Butanone | 4.422 | 43 | 514399 | 207.76 | ug/L | 96 |
| 36) Propionitrile | 4.507 | 54 | 716630 | 1081.77 | ug/L | 92 |
| 37) Bromochloromethane | 4.775 | 130 | 475266 | 204.78 | ug/L | 97 |
| 38) Methacrylonitrile | 4.775 | 67 | 330755 | 211.33 | ug/L | 94 |
| 39) Tetrahydrofuran | 4.860 | 42 | 301486 | 210.44 | ug/L | 88 |
| 40) Chloroform | 4.958 | 83 | 1095506 | 211.09 | ug/L | 95 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7792.D
 Acq On : 23 Jan 2023 8:04 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 24 09:24:27 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:24:15 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 911571 | 240.73 | ug/L | 97 |
| 43) Cyclohexane | 5.348 | 41 | 723125 | 208.09 | ug/L | 96 |
| 45) Carbontetrachloride | 5.537 | 117 | 782333 | 261.98 | ug/L | 99 |
| 46) 1,1-Dichloropropene | 5.549 | 75 | 796746 | 227.31 | ug/L | 97 |
| 48) Benzene | 5.866 | 78 | 2445135 | 218.20 | ug/L | 99 |
| 49) 1,2-Dichloroethane | 5.909 | 62 | 956025 | 213.80 | ug/L | 96 |
| 50) Iso-Butyl Alcohol | 5.891 | 43 | 1028079 | 5447.87 | ug/L | 99 |
| 51) TAME | 6.110 | 73 | 1700645 | 248.36 | ug/L | 97 |
| 52) n-Heptane | 6.360 | 43 | 820001 | 218.10 | ug/L | 97 |
| 53) 1-Butanol | 6.860 | 56 | 1505402 | 15461.24 | ug/L | 100 |
| 54) Trichloroethene | 6.824 | 130 | 709596 | 222.59 | ug/L | 94 |
| 55) Methylcyclohexane | 7.061 | 55 | 853609 | 214.90 | ug/L | 99 |
| 56) 1,2-Diclpropane | 7.104 | 63 | 697741 | 229.98 | ug/L | 98 |
| 57) Dibromomethane | 7.244 | 93 | 432213 | 216.97 | ug/L | 99 |
| 58) 1,4-Dioxane | 7.305 | 88 | 228789 | 4216.27 | ug/L | 93 |
| 59) Methyl Methacrylate | 7.336 | 69 | 518944 | 241.42 | ug/L | 96 |
| 60) Bromodichloromethane | 7.476 | 83 | 873367 | 230.88 | ug/L | 94 |
| 61) 2-Nitropropane | 7.762 | 41 | 471923 | 553.25 | ug/L | 98 |
| 62) 2-Chloroethylvinyl Ether | 7.884 | 63 | 339032 | 257.26 | ug/L | 93 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 970054 | 257.29 | ug/L | 99 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 1069708 | 232.86 | ug/L | 96 |
| 66) Toluene | 8.390 | 91 | 2727196 | 220.60 | ug/L | 97 |
| 67) trans-1,3-Dichloropropene | 8.659 | 75 | 842351 | 282.79 | ug/L | 97 |
| 68) Ethyl Methacrylate | 8.805 | 69 | 979633 | 260.61 | ug/L | 97 |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 625535 | 212.15 | ug/L | 96 |
| 72) Tetrachloroethene | 8.988 | 164 | 545764 | 229.54 | ug/L | 98 |
| 73) 2-Hexanone | 9.140 | 43 | 786416 | 235.63 | ug/L | 98 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 1042176 | 204.56 | ug/L | 96 |
| 75) Dibromochloromethane | 9.244 | 129 | 758856 | 248.90 | ug/L | 99 |
| 76) N-Butyl Acetate | 9.299 | 43 | 1682025 | 255.77 | ug/L | 99 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 681312 | 226.95 | ug/L | 94 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 984641 | 210.17 | ug/L | 99 |
| 79) Chlorobenzene | 9.835 | 112 | 1889996 | 218.04 | ug/L | 99 |
| 80) 4-Chlorobenzotrifluoride | 9.914 | 180 | 885299 | 217.90 | ug/L | 100 |
| 81) 1,1,1,2-Tetrachloroethane | 9.927 | 131 | 696005 | 257.80 | ug/L | 98 |
| 82) Ethylbenzene | 9.957 | 106 | 992406 | 223.22 | ug/L | 92 |
| 83) (m+p)Xylene | 10.073 | 106 | 2472309 | 449.48 | ug/L # | 81 |
| 84) o-Xylene | 10.426 | 106 | 1224092 | 223.37 | ug/L | 98 |
| 85) Styrene | 10.439 | 104 | 2101638 | 226.84 | ug/L | 95 |
| 86) Bromoform | 10.591 | 173 | 497962 | 250.81 | ug/L | 100 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 997603 | 225.78 | ug/L | 96 |
| 88) Isopropylbenzene | 10.762 | 105 | 2901101 | 223.48 | ug/L | 97 |
| 89) Cyclohexanone | 10.829 | 55 | 3250049 | 5073.52 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 11.073 | 53 | 201397 | 253.88 | ug/L | 83 |
| 92) 1,1,2,2-Tetrachloroethane | 11.024 | 83 | 933128 | 207.18 | ug/L | 99 |
| 93) Bromobenzene | 11.006 | 156 | 907678 | 209.85 | ug/L | 98 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 285267 | 198.92 | ug/L | 93 |
| 95) n-Propylbenzene | 11.121 | 91 | 3405933 | 212.25 | ug/L | 93 |
| 96) 2-Chlorotoluene | 11.182 | 91 | 2081950 | 207.20 | ug/L | 100 |
| 97) 3-Chlorotoluene | 11.237 | 91 | 2142391 | 206.32 | ug/L | 96 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 2539970 | 219.44 | ug/L | 98 |
| 99) 1,3,5-Trimethylbenzene | 11.274 | 105 | 2710809 | 221.55 | ug/L | 95 |
| 100) tert-Butylbenzene | 11.542 | 119 | 2278549 | 218.80 | ug/L | 96 |
| 101) 1,2,4-Trimethylbenzene | 11.585 | 105 | 2630716 | 224.16 | ug/L | 96 |
| 102) 3,4-Dichlorobenzotrifl... | 11.646 | 214 | 727819 | 213.18 | ug/L | 99 |
| 103) sec-Butylbenzene | 11.725 | 105 | 3154522 | 221.50 | ug/L | 96 |

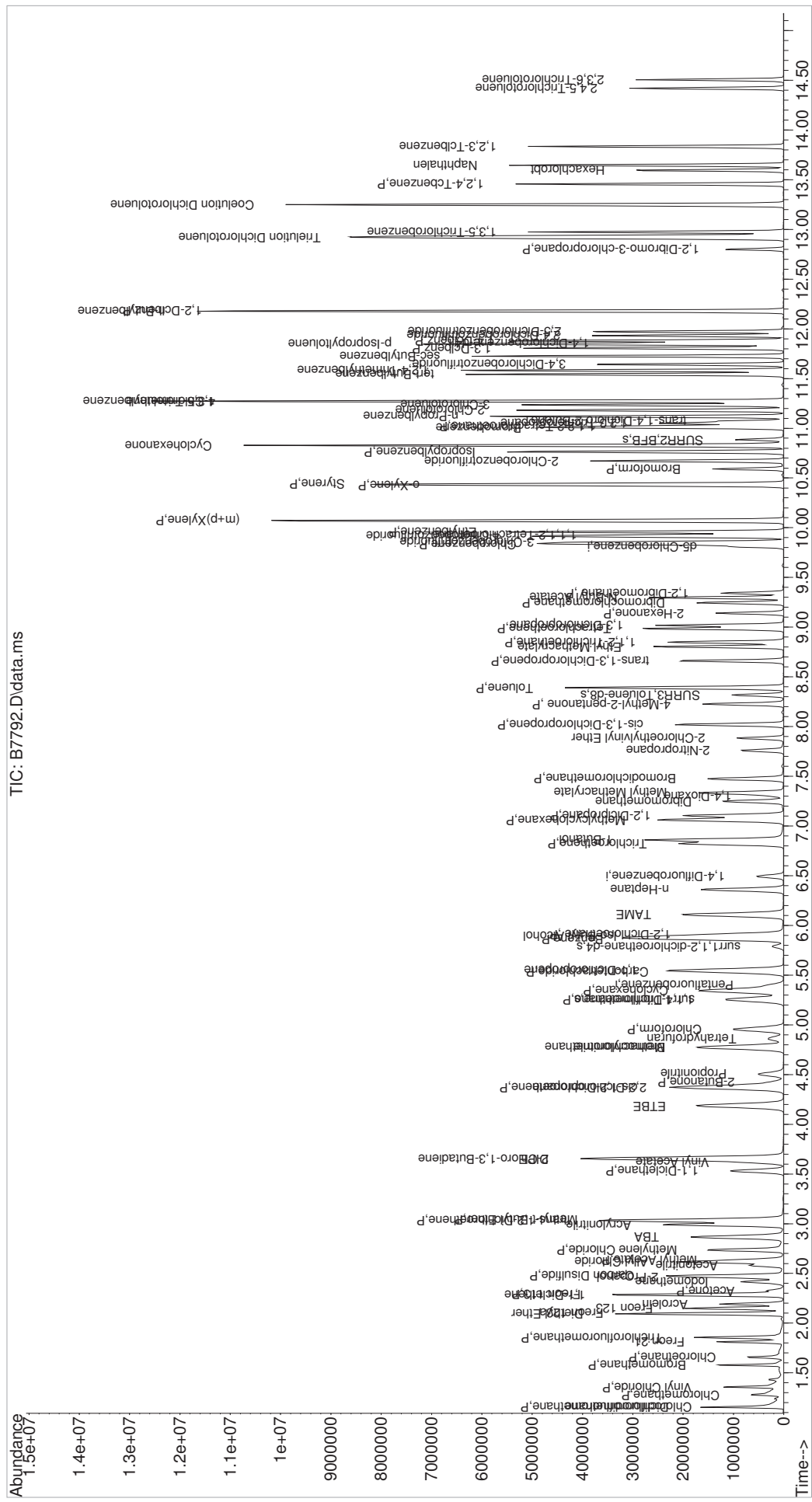
Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7792.D
 Acq On : 23 Jan 2023 8:04 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD Inst : MSVOA10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 24 09:24:27 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:24:15 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 2881684 | 224.21 | ug/L | 96 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 1636163 | 217.25 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.884 | 146 | 1680102 | 211.96 | ug/L | 96 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 663078 | 208.37 | ug/L | 99 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 769682 | 218.88 | ug/L | 97 |
| 109) n-Butylbenzene | 12.176 | 91 | 2587985 | 246.63 | ug/L | 97 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 1710315 | 220.86 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 233241 | 255.54 | ug/L | 91 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 4171290 | 698.26 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 1149804 | 225.13 | ug/L | 99 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 3016509 | 464.36 | ug/L | 95 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 1193245 | 252.75 | ug/L | 96 |
| 116) Hexachlorobt | 13.597 | 225 | 396069 | 223.61 | ug/L | 95 |
| 117) Naphthalen | 13.645 | 128 | 3135694 | 250.67 | ug/L | 96 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 1159949 | 249.66 | ug/L | 100 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 613690 | 331.98 | ug/L | 93 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 532864 | 309.18 | ug/L | 98 |

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

Data Path : I:\ACQDATA\msvoa10\data\012323\
 Data File : B7792.D
 Acq On : 23 Jan 2023 8:04 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 Inst : MSVOA10
 Quant Time: Jan 24 09:24:27 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:24:15 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7796.D
 Acq On : 23 Jan 2023 9:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: Jan 24 09:57:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 2 | Chlorodifluoromethane | 50.000 | 40.821 | 18.4 | 80 | 0.00 |
| 3 P | Dichlorodifluoromethane | 50.000 | 35.051 | 29.9# | 69 | 0.00 |
| 4 P | Chloromethane | 50.000 | 46.410 | 7.2 | 97 | 0.00 |
| 5 P | Vinyl Chloride | 50.000 | 39.697 | 20.6# | 85 | 0.00 |
| 6 P | Bromomethane | 50.000 | 46.388 | 7.2 | 111 | 0.00 |
| 7 P | Chloroethane | 50.000 | 45.209 | 9.6 | 92 | 0.00 |
| 8 | Freon 21 | 50.000 | 41.572 | 16.9 | 83 | 0.00 |
| 9 P | Trichlorofluoromethane | 50.000 | 45.536 | 8.9 | 100 | 0.00 |
| 10 | Diethyl Ether | 50.000 | 45.858 | 8.3 | 95 | 0.00 |
| 11 | Freon 123a | 50.000 | 45.894 | 8.2 | 91 | 0.00 |
| 12 | Freon 123 | 50.000 | 53.536 | -7.1 | 107 | 0.00 |
| 13 | Acrolein | 250.000 | 84.894 | 66.0# | 35 | 0.00 |
| 14 | 1,1-Dicethene | 50.000 | 48.618 | 2.8 | 104 | 0.00 |
| 15 P | Freon 113 | 50.000 | 44.644 | 10.7 | 100 | 0.00 |
| 16 P | Acetone | 50.000 | 45.821 | 8.4 | 96 | 0.00 |
| 17 | 2-Propanol | 1000.000 | 980.522 | 1.9 | 98 | 0.00 |
| 18 | Iodomethane | 50.000 | 41.554 | 16.9 | 85 | 0.00 |
| 19 P | Carbon Disulfide | 50.000 | 41.740 | 16.5 | 94 | 0.00 |
| 20 | Acetonitrile | 250.000 | 220.922 | 11.6 | 79 | 0.00 |
| 21 | Allyl Chloride | 50.000 | 52.432 | -4.9 | 113 | 0.00 |
| 22 P | Methyl Acetate | 50.000 | 40.323 | 19.4 | 83 | 0.00 |
| 23 P | Methylene Chloride | 50.000 | 45.622 | 8.8 | 100 | 0.00 |
| 24 | TBA | 1000.000 | 953.690 | 4.6 | 96 | 0.00 |
| 25 | Acrylonitrile | 250.000 | 229.253 | 8.3 | 91 | 0.00 |
| 26 P | Methyl-t-Butyl Ether | 50.000 | 50.513 | -1.0 | 100 | 0.00 |
| 27 P | trans-1,2-Dichloroethene | 50.000 | 49.266 | 1.5 | 104 | 0.00 |
| 28 P | 1,1-Dicethane | 50.000 | 48.753 | 2.5 | 106 | 0.00 |
| 29 | Vinyl Acetate | 50.000 | 38.888 | 22.2# | 74 | 0.00 |
| 30 | DIPE | 50.000 | 45.220 | 9.6 | 86 | 0.00 |
| 31 | 2-Chloro-1,3-Butadiene | 50.000 | 46.179 | 7.6 | 98 | 0.00 |
| 32 | ETBE | 50.000 | 45.328 | 9.3 | 87 | 0.00 |
| 33 | 2,2-Dichloropropane | 50.000 | 48.125 | 3.8 | 101 | 0.00 |
| 34 P | cis-1,2-Dichloroethene | 50.000 | 49.497 | 1.0 | 105 | 0.00 |
| 35 P | 2-Butanone | 50.000 | 43.436 | 13.1 | 88 | 0.00 |
| 36 | Propionitrile | 250.000 | 240.309 | 3.9 | 92 | 0.00 |
| 37 | Bromochloromethane | 50.000 | 47.031 | 5.9 | 100 | 0.00 |
| 38 | Methacrylonitrile | 50.000 | 46.127 | 7.7 | 95 | 0.00 |
| 39 | Tetrahydrofuran | 50.000 | 49.026 | 1.9 | 96 | 0.00 |
| 40 P | Chloroform | 50.000 | 47.878 | 4.2 | 103 | 0.00 |
| 41 P | 1,1,1-Trichloroethane | 50.000 | 50.914 | -1.8 | 109 | 0.00 |
| 42 i | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 43 P | Cyclohexane | 50.000 | 45.749 | 8.5 | 93 | 0.00 |
| 44 s | surr4,Dibrflmethane | 50.000 | 48.961 | 2.1 | 100 | 0.00 |
| 45 P | Carbontetrachloride | 50.000 | 51.401 | -2.8 | 108 | 0.00 |
| 46 | 1,1-Dichloropropene | 50.000 | 46.531 | 6.9 | 99 | 0.00 |
| 47 s | surr1,1,2-dichloroethane-d4 | 50.000 | 48.943 | 2.1 | 100 | 0.00 |
| 48 P | Benzene | 50.000 | 49.418 | 1.2 | 103 | 0.00 |
| 49 P | 1,2-Dichloroethane | 50.000 | 48.805 | 2.4 | 98 | 0.00 |
| 50 | Iso-Butyl Alcohol | 1000.000 | 1006.392 | -0.6 | 96 | 0.00 |
| 51 | TAME | 50.000 | 50.546 | -1.1 | 98 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7796.D
 Acq On : 23 Jan 2023 9:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: Jan 24 09:57:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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 | 50.000 | 45.464 | 9.1 | 104 | 0.00 |
| 53 | 1-Butanol | 2500.000 | 2599.247 | -4.0 | 93 | 0.00 |
| 54 P | Trichloroethene | 50.000 | 50.470 | -0.9 | 109 | 0.00 |
| 55 P | Methylcyclohexane | 50.000 | 46.507 | 7.0 | 92 | 0.00 |
| 56 P | 1,2-Diclp propane | 50.000 | 50.770 | -1.5 | 99 | 0.00 |
| 57 | Dibromomethane | 50.000 | 49.148 | 1.7 | 102 | 0.00 |
| 58 | 1,4-Dioxane | 1000.000 | 891.293 | 10.9 | 91 | 0.00 |
| 59 | Methyl Methacrylate | 50.000 | 52.490 | -5.0 | 100 | 0.00 |
| 60 P | Bromodichloromethane | 50.000 | 49.023 | 2.0 | 100 | 0.00 |
| 61 | 2-Nitropropane | 100.000 | 94.144 | 5.9 | 86 | 0.00 |
| 62 | 2-Chloroethylvinyl Ether | 50.000 | 48.718 | 2.6 | 97 | 0.00 |
| 63 P | cis-1,3-Dichloropropene | 50.000 | 53.578 | -7.2 | 106 | 0.00 |
| 64 P | 4-Methyl-2-pentanone | 50.000 | 46.157 | 7.7 | 92 | 0.00 |
| 65 s | SURR3,Toluene-d8 | 50.000 | 49.248 | 1.5 | 100 | 0.00 |
| 66 P | Toluene | 50.000 | 50.095 | -0.2 | 105 | 0.00 |
| 67 P | trans-1,3-Dichloropropene | 50.000 | 56.478 | -13.0 | 107 | 0.00 |
| 68 | Ethyl Methacrylate | 50.000 | 53.656 | -7.3 | 101 | 0.00 |
| 69 P | 1,1,2-Trichloroethane | 50.000 | 48.402 | 3.2 | 98 | 0.00 |
| 70 s | SURR2,BFB | 50.000 | 51.026 | -2.1 | 103 | 0.00 |
| 71 i | d5-Chlorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 72 P | Tetrachloroethene | 50.000 | 52.029 | -4.1 | 111 | 0.00 |
| 73 P | 2-Hexanone | 50.000 | 46.893 | 6.2 | 90 | 0.00 |
| 74 | 1,3-Dichloropropane | 50.000 | 47.462 | 5.1 | 99 | 0.00 |
| 75 P | Dibromochloromethane | 50.000 | 52.966 | -5.9 | 99 | 0.00 |
| 76 | N-Butyl Acetate | 50.000 | 49.333 | 1.3 | 93 | 0.00 |
| 77 P | 1,2-Dibromoethane | 50.000 | 51.001 | -2.0 | 99 | 0.00 |
| 78 | 3-Chlorobenzotrifluoride | 50.000 | 40.818 | 18.4 | 80 | 0.00 |
| 79 P | Chlorobenzene | 50.000 | 46.149 | 7.7 | 98 | 0.00 |
| 80 | 4-Chlorobenzotrifluoride | 50.000 | 41.271 | 17.5 | 77 | 0.00 |
| 81 | 1,1,1,2-Tetrachloroethane | 50.000 | 51.178 | -2.4 | 100 | 0.00 |
| 82 P | Ethylbenzene | 50.000 | 49.964 | 0.1 | 108 | 0.00 |
| 83 P | (m+p)Xylene | 100.000 | 102.684 | -2.7 | 110 | 0.00 |
| 84 P | o-Xylene | 50.000 | 48.933 | 2.1 | 104 | 0.00 |
| 85 P | Styrene | 50.000 | 52.775 | -5.5 | 108 | 0.00 |
| 86 P | Bromoform | 50.000 | 52.312 | -4.6 | 102 | 0.00 |
| 87 | 2-Chlorobenzotrifluoride | 50.000 | 45.235 | 9.5 | 84 | 0.00 |
| 88 P | Isopropylbenzene | 50.000 | 51.945 | -3.9 | 112 | 0.00 |
| 89 | Cyclohexanone | 1000.000 | 1527.395 | -52.7# | 145 | 0.00 |
| 90 | trans-1,4-Dichloro-2-Butene | 50.000 | 57.965 | -15.9 | 112 | 0.00 |
| 91 i | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 92 P | 1,1,2,2-Tetrachloroethane | 50.000 | 44.702 | 10.6 | 93 | 0.00 |
| 93 | Bromobenzene | 50.000 | 46.812 | 6.4 | 102 | 0.00 |
| 94 | 1,2,3-Trichloropropane | 50.000 | 45.479 | 9.0 | 98 | 0.00 |
| 95 | n-Propylbenzene | 50.000 | 49.491 | 1.0 | 109 | 0.00 |
| 96 | 2-Chlorotoluene | 50.000 | 46.330 | 7.3 | 103 | 0.00 |
| 97 | 3-Chlorotoluene | 50.000 | 42.566 | 14.9 | 81 | 0.00 |
| 98 | 4-Chlorotoluene | 50.000 | 48.474 | 3.1 | 108 | 0.00 |
| 99 | 1,3,5-Trimethylbenzene | 50.000 | 50.905 | -1.8 | 113 | 0.00 |
| 100 | tert-Butylbenzene | 50.000 | 49.857 | 0.3 | 112 | 0.00 |
| 101 | 1,2,4-Trimethylbenzene | 50.000 | 51.388 | -2.8 | 109 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\012323\
 Data File : B7796.D
 Acq On : 23 Jan 2023 9:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 24 09:57:41 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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-Dichlorobenzotrifluorid | 50.000 | 42.738 | 14.5 | 83 | 0.00 |
| 103 | sec-Butylbenzene | 50.000 | 50.604 | -1.2 | 112 | 0.00 |
| 104 | p-Isopropyltoluene | 50.000 | 51.538 | -3.1 | 114 | 0.00 |
| 105 P | 1,3-Dclbenz | 50.000 | 48.435 | 3.1 | 104 | 0.00 |
| 106 P | 1,4-Dclbenz | 50.000 | 46.658 | 6.7 | 103 | 0.00 |
| 107 | 2,4-Dichlorobenzotrifluorid | 50.000 | 42.224 | 15.6 | 85 | 0.00 |
| 108 | 2,5-Dichlorobenzotrifluorid | 50.000 | 43.395 | 13.2 | 85 | 0.00 |
| 109 | n-Butylbenzene | 50.000 | 50.616 | -1.2 | 112 | 0.00 |
| 110 P | 1,2-Dclbenz | 50.000 | 46.948 | 6.1 | 99 | 0.00 |
| 111 P | 1,2-Dibromo-3-chloropropane | 50.000 | 48.154 | 3.7 | 93 | 0.00 |
| 112 | Trielution Dichlorotoluene | 150.000 | 140.952 | 6.0 | 87 | 0.00 |
| 113 | 1,3,5-Trichlorobenzene | 50.000 | 46.448 | 7.1 | 87 | 0.00 |
| 114 | Coelution Dichlorotoluene | 100.000 | 96.711 | 3.3 | 89 | 0.00 |
| 115 P | 1,2,4-Tcbenzene | 50.000 | 47.880 | 4.2 | 98 | 0.00 |
| 116 | Hexachlorobt | 50.000 | 49.099 | 1.8 | 116 | 0.00 |
| 117 | Naphthalen | 50.000 | 50.213 | -0.4 | 98 | 0.00 |
| 118 | 1,2,3-Tclbenzene | 50.000 | 46.218 | 7.6 | 95 | 0.00 |
| 119 | 2,4,5-Trichlorotoluene | 50.000 | 50.837 | -1.7 | 86 | 0.00 |
| 120 | 2,3,6-Trichlorotoluene | 50.000 | 52.442 | -4.9 | 91 | 0.00 |

(#) = Out of Range

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

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 1/23/23 16:15

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\012323\B7782.D
Instrument ID: R-MS-10

Analytical Method: 8260C/624.1

| Target Mass | Relative to Mass | Lower Limit % | Upper Limit % | Relative Abundance % | Raw Abundance | Results Pass/Fail |
|-------------|------------------|---------------|---------------|----------------------|---------------|-------------------|
| 50 | 95 | 15 | 40 | 24.8 | 32213 | PASS |
| 75 | 95 | 30 | 60 | 50.8 | 65944 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 129717 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 9059 | PASS |
| 173 | 174 | 0 | 2 | 0.4 | 439 | PASS |
| 174 | 95 | 50 | 120 | 86.8 | 112611 | PASS |
| 175 | 174 | 5 | 9 | 7.7 | 8657 | PASS |
| 176 | 174 | 95 | 101 | 95.8 | 107829 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 6848 | PASS |

| Sample Name | Lab Code | File ID: | Date Analyzes: Q |
|-------------|-------------|---|------------------|
| ICALBLK | ICALBLK | I:\ACQUDATA\MSVOA10\DATA\012323\B7783.D | 1/23/23 16:48 |
| 0.5 PPB STD | 0.5 PPB STD | I:\ACQUDATA\MSVOA10\DATA\012323\B7784.D | 1/23/23 17:10 |
| 1 PPB STD | 1 PPB STD | I:\ACQUDATA\MSVOA10\DATA\012323\B7785.D | 1/23/23 17:32 |
| 2 PPB STD | 2 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7786.D | 1/23/23 17:53 |
| 5 PPB STD | 5 PPB STD | I:\ACQUDATA\MSVOA10\DATA\012323\B7787.D | 1/23/23 18:15 |
| 20 PPB STD | 20 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7788.D | 1/23/23 18:37 |
| 50 PPB STD | 50 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7789.D | 1/23/23 18:59 |
| 100 PPB STD | 100 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7790.D | 1/23/23 19:21 |
| 150 PPB STD | 150 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7791.D | 1/23/23 19:42 |
| 200 PPB STD | 200 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7792.D | 1/23/23 20:04 |
| 50 PPB ICV | 50 PPB ICV | I:\ACQUDATA\msvoa10\data\012323\B7796.D | 1/23/23 21:31 |

Analysis: 8260/624 Analyst: F. Nagel pH strips: - Tune Method: W012323.M
 Date: 1/23/23 Balance ID: - ResCl strips: - Run Method: ↓
 Instr: MS10 50 mL Class A used for dilution FV Syringes: 17047 / 218709 LIMS Run#: -

| Pos. | Sample | Diln. | Diln. Prep./ | RL | Vial | HS | Cl | pH | File# | OK? | Comments |
|------|------------|-------|--------------|----|------|----|----|----|-------|-----|----------|
| 1 | TYPE | | | | | | | | 67782 | Y | |
| 1 | ICAL Bk | | | | | | | | 83 | Y | |
| 2 | 0.5 pop st | | | | | | | | 84 | Y | |
| 3 | 1 | | | | | | | | 85 | Y | |
| 4 | 2 | | | | | | | | 86 | Y | |
| 5 | 5 | | | | | | | | 87 | Y | |
| 6 | 25 | | | | | | | | 88 | Y | |
| 7 | 50 | | | | | | | | 89 | Y | |
| 8 | 100 | | | | | | | | 90 | Y | |
| 9 | 150 | | | | | | | | 91 | Y | |
| 10 | 200 | | | | | | | | 92 | Y | |
| 11 | Bk | | | | | | | | 93 | Y | |
| 12 | ↓ | | | | | | | | 94 | Y | |
| 13 | 5 pop EV | | | | | | | | 95 | Y | |
| 14 | Bk | | | | | | | | 96 | Y | |
| 15 | ↓ | | | | | | | | 97 | Y | |
| 16 | ↓ | | | | | | | | 98 | Y | |

WATER ICAL TABLE

| CONC (PPB) | 0.5 | 1.0 | 2.0 | 5.0 | 20 | 50 | 100 | 150 | 200 |
|---------------------|----------------------|-----------------------|------------------------|------------------------|----------------------|------------------------|-----------------------|-------------------------|------------------------|
| 1° T/G = 227262 | 10ul/1ml 5ul/50ml | 10ul/15ml 5ul/75ml | 20ul/15ml 10ul/75ml | 50ul/15ml 25ul/75ml | 2ul/15ml 1ul/75ml | 5ul/15ml 2.5ul/75ml | 10ul/15ml 5ul/75ml | 15ul/15ml 7.5ul/75ml | 20ul/15ml 10ul/75ml |
| 1° HSL = 227263 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1° FC = 227145 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1° OCC = 226964 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1° 236-TCF = 225838 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |

All samples =

5 mL + 5 UL combined IS/

5 mL purged

Combined IS/Surr:

Primary SEE TABLE ABOVE
 Primary TL6 Secondary 200 : 220776 BSL
 Primary HXL Secondary 500 : 226962 SL
 Primary OKL Secondary : 227264 SL
 Primary 236-TCF Secondary : 226968 SL
 Primary ↓ : 225839 SL
 (ICV)

Surrogate 50 : 227042
 Internal Std 50 : 227034
 Reagents: MeOH: 223545

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|--|------------------|
| 01 | RC2300008-01 | 0.5 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7784.D | 01/23/2023 17:10 |
| 02 | RC2300008-02 | 1 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7785.D | 01/23/2023 17:32 |
| 03 | RC2300008-03 | 2 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7786.D | 01/23/2023 17:53 |
| 04 | RC2300008-04 | 5 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7787.D | 01/23/2023 18:15 |
| 05 | RC2300008-05 | 20 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7788.D | 01/23/2023 18:37 |
| 06 | RC2300008-06 | 50 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7789.D | 01/23/2023 18:59 |
| 07 | RC2300008-07 | 100 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7790.D | 01/23/2023 19:21 |
| 08 | RC2300008-08 | 150 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7791.D | 01/23/2023 19:42 |
| 09 | RC2300008-09 | 200 PPB STD | I:\ACQUADATA\msvoa10\data\012323\B7792.D | 01/23/2023 20:04 |

Analyte

1,1,1-Trichloroethane (TCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.5683 | 02 | 1.000 | 0.5228 | 03 | 2.000 | 0.6559 | 04 | 5.000 | 0.5987 |
| 05 | 20.000 | 0.508 | 06 | 50.000 | 0.5597 | 07 | 100.000 | 0.5575 | 08 | 150.000 | 0.6922 |
| 09 | 200.000 | 0.7114 | | | | | | | | | |

1,1-Dichloroethane (1,1-DCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.8789 | 02 | 1.000 | 0.8628 | 03 | 2.000 | 0.9049 | 04 | 5.000 | 0.8615 |
| 05 | 20.000 | 0.7769 | 06 | 50.000 | 0.785 | 07 | 100.000 | 0.777 | 08 | 150.000 | 0.8825 |
| 09 | 200.000 | 0.9019 | | | | | | | | | |

1,1-Dichloroethene (1,1-DCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.3019 | 02 | 1.000 | 0.4409 | 03 | 2.000 | 0.4625 | 04 | 5.000 | 0.4197 |
| 05 | 20.000 | 0.3449 | 06 | 50.000 | 0.372 | 07 | 100.000 | 0.3592 | 08 | 150.000 | 0.4242 |
| 09 | 200.000 | 0.4356 | | | | | | | | | |

4-Bromofluorobenzene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.4732 | 05 | 20.000 | 0.4257 | 06 | 50.000 | 0.4384 | 07 | 100.000 | 0.4496 |
| 08 | 200.000 | 0.436 | | | | | | | | | |

Dibromofluoromethane

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.3615 | 05 | 20.000 | 0.3123 | 06 | 50.000 | 0.3158 | 07 | 100.000 | 0.3199 |
| 08 | 200.000 | 0.3092 | | | | | | | | | |

Tetrachloroethene (PCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.225 | 02 | 1.000 | 0.2803 | 03 | 2.000 | 0.2626 | 04 | 5.000 | 0.2828 |
| 05 | 20.000 | 0.2467 | 06 | 50.000 | 0.2479 | 07 | 100.000 | 0.2445 | 08 | 150.000 | 0.2942 |
| 09 | 200.000 | 0.3016 | | | | | | | | | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Toluene-d8

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|-------|----|--------|-------|----|--------|-------|----|---------|-------|
| 04 | 10.000 | 1.439 | 05 | 20.000 | 1.238 | 06 | 50.000 | 1.226 | 07 | 100.000 | 1.221 |
| 08 | 200.000 | 1.173 | | | | | | | | | |

Trichloroethene (TCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.3817 | 02 | 1.000 | 0.3416 | 03 | 2.000 | 0.3283 | 04 | 5.000 | 0.329 |
| 05 | 20.000 | 0.3027 | 06 | 50.000 | 0.31 | 07 | 100.000 | 0.3115 | 08 | 150.000 | 0.3584 |
| 09 | 200.000 | 0.3717 | | | | | | | | | |

Vinyl Chloride

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.82 | 02 | 1.000 | 0.6159 | 03 | 2.000 | 0.7396 | 04 | 5.000 | 0.7315 |
| 05 | 20.000 | 0.6474 | 06 | 50.000 | 0.672 | 07 | 100.000 | 0.6496 | 08 | 150.000 | 0.781 |
| 09 | 200.000 | 0.7735 | | | | | | | | | |

cis-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.4257 | 02 | 1.000 | 0.5304 | 03 | 2.000 | 0.5429 | 04 | 5.000 | 0.5558 |
| 05 | 20.000 | 0.4675 | 06 | 50.000 | 0.4778 | 07 | 100.000 | 0.4755 | 08 | 150.000 | 0.5352 |
| 09 | 200.000 | 0.5389 | | | | | | | | | |

trans-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.417 | 02 | 1.000 | 0.4185 | 03 | 2.000 | 0.4908 | 04 | 5.000 | 0.443 |
| 05 | 20.000 | 0.3846 | 06 | 50.000 | 0.4115 | 07 | 100.000 | 0.3967 | 08 | 150.000 | 0.4685 |
| 09 | 200.000 | 0.4748 | | | | | | | | | |

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

| 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 | 12.3 | ≤20 | 0.5972 | 0.100 |
| 1,1-Dichloroethane (1,1-DCA) | TRG | Average RF | % RSD | 6.3 | ≤20 | 0.8479 | 0.200 |
| 1,1-Dichloroethene (1,1-DCE) | TRG | Average RF | % RSD | 13.5 | ≤20 | 0.3957 | 0.100 |
| 4-Bromofluorobenzene | SURR | Average RF | % RSD | 4.1 | ≤20 | 0.4446 | |
| Dibromofluoromethane | SURR | Average RF | % RSD | 6.6 | ≤20 | 0.3237 | |
| Tetrachloroethene (PCE) | TRG | Average RF | % RSD | 9.8 | ≤20 | 0.2651 | 0.200 |
| Toluene-d8 | SURR | Average RF | % RSD | 8.2 | ≤20 | 1.259 | |
| Trichloroethene (TCE) | TRG | Average RF | % RSD | 8.4 | ≤20 | 0.3372 | 0.200 |
| Vinyl Chloride | TRG | Average RF | % RSD | 9.9 | ≤20 | 0.7145 | 0.100 |
| cis-1,2-Dichloroethene | TRG | Average RF | % RSD | 8.9 | ≤20 | 0.5055 | 0.100 |
| trans-1,2-Dichloroethene | TRG | Average RF | % RSD | 8.6 | ≤20 | 0.4339 | 0.100 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|--|------------------|
| 10 | RC2300008-10 | 50 PPB ICV | I:\ACQDATA\msvoa10\data\012323\B7796.D | 01/23/2023 21:31 |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|----------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 50.9 | 5.972E-1 | 6.081E-1 | 1.83 | ±30 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 48.8 | 8.479E-1 | 8.268E-1 | -2.494 | ±30 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 48.6 | 3.957E-1 | 3.847E-1 | -2.763 | ±30 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 52.0 | 2.651E-1 | 2.758E-1 | 4.06 | ±30 | Average RF |
| Trichloroethene (TCE) | 50.0 | 50.5 | 3.372E-1 | 3.404E-1 | 0.939 | ±30 | Average RF |
| Vinyl Chloride | 50.0 | 39.7 | 7.145E-1 | 5.673E-1 | -20.606 | ±30 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 49.5 | 5.055E-1 | 5.004E-1 | -1.006 | ±30 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 49.3 | 4.339E-1 | 4.276E-1 | -1.467 | ±30 | Average RF |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|----------------------|----------|--------|------------|----------|--------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 51.0 | 4.446E-1 | 4.537E-1 | 2.05 | ±30 | Average RF |
| Dibromofluoromethane | 50.0 | 49.0 | 3.237E-1 | 3.17E-1 | -2.078 | ±30 | Average RF |
| Toluene-d8 | 50.0 | 49.2 | 1.259E0 | 1.24E0 | -1.504 | ±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: R2302309
Date Analyzed: 03/20/23 10:34

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa10\data\032023\B9132.D\
Signal ID: 1

Calibration Date: 1/23/2023
Calibration ID: RC2300008
Analysis Lot: 798118
Units: ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|--------|------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 49.5 | 0.5972 | 0.5916 | -0.9 | NA | ±20 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 47.4 | 0.8479 | 0.8037 | -5.2 | NA | ±20 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 48.3 | 0.3957 | 0.3823 | -3.4 | NA | ±20 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 47.3 | 0.2651 | 0.251 | -5.3 | NA | ±20 | Average RF |
| Trichloroethene (TCE) | 50.0 | 45.2 | 0.3372 | 0.3051 | -9.5 | NA | ±20 | Average RF |
| Vinyl Chloride | 50.0 | 48.6 | 0.7145 | 0.6946 | -2.8 | NA | ±20 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 47.4 | 0.5055 | 0.4796 | -5.1 | NA | ±20 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 48.2 | 0.4339 | 0.4181 | -3.7 | NA | ±20 | Average RF |

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|----------------------|----------|--------|------------|--------|------|---------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 48.7 | 0.4446 | 0.4326 | -2.7 | NA | ±20 | Average RF |
| Dibromofluoromethane | 50.0 | 46.7 | 0.3237 | 0.3026 | -6.5 | NA | ±20 | Average RF |
| Toluene-d8 | 50.0 | 45.3 | 1.2594 | 1.1402 | -9.5 | NA | ±20 | Average RF |

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

Service Request:R2302309

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:798118
Instrument ID:R-MS-10

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|---|-------------------------------------|-----------------|----------------------|----------------------|----------|
| I:\ACQUADATA\msvoa10\data\032023\B9131.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 09:59:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9132.D\ | Continuing Calibration Verification | RQ2303181-02 | 3/20/2023 | 10:34:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9133.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 11:11:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9134.D\ | Lab Control Sample | RQ2303181-04 | 3/20/2023 | 11:33:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9135.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 12:09:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9136.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 12:40:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9137.D\ | Method Blank | RQ2303181-06 | 3/20/2023 | 13:03:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9138.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 13:28:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9139.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 13:51:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9140.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 14:14:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9142.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 15:00:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9143.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 15:23:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9144.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 15:46:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9145.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 16:08:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9146.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 16:31:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9147.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 16:54:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9148.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 17:17:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9149.D\ | TB-031623 | R2302309-001 | 3/20/2023 | 17:40:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9150.D\ | FB-031623 | R2302309-006 | 3/20/2023 | 18:03:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9151.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 18:26:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9152.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 18:48:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9153.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 19:11:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9154.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 19:34:00 | |

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

Service Request:R2302309

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:798118
Instrument ID:R-MS-10

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|--|--------------------|-----------------|----------------------|----------------------|----------|
| I:\ACQUDATA\msvoa10\data\032023 \B9155.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 19:57:00 | |
| I:\ACQUDATA\msvoa10\data\032023 \B9156.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 20:20:00 | |
| I:\ACQUDATA\msvoa10\data\032023 \B9157.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 20:43:00 | |
| I:\ACQUDATA\msvoa10\data\032023 \B9158.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 21:06:00 | |

Analysis: 8200/L24
 Date: 3/20/23
 Analyst: F. Nuyt
 Balance ID: -
 pH strips: 226421
 ResCl strips: 1230205
 Instr: M510
 50 mL Class A used for dilution FV
 Syringes: 177917 / 248709
 Tune Method: W012323.M / E012323.M
 Run Method: -
 LIMS Run#: 798118

| Pos. | Sample | Diln. | Diln. Prep/ | RL | Vial | HS | CI | pH | File# | OK? | Comments |
|------|----------------|-------|-------------------|-------|------|----|-----|-----|-------|-----|----------|
| 1 | Bulk | | | | | | | | 89129 | Y | |
| 2 | Bulk | | | | | | | | 30 | Y | |
| 3 | TUNE | | | | | | | | 31 | Y | |
| 1 | CCV | | | | | | | | 32 | Y | |
| 2 | LS-MWP | | | | | | | | 33 | Y | |
| 3 | LS-FP | | | | | | | | 34 | Y | |
| 4 | LS-EK | | | | | | | | 35 | Y | |
| 5 | MBUC-MWP | | | | | | | | 36 | Y | |
| 6 | MBUC-FP | | | | | | | | 37 | Y | |
| 7 | R2302296-001 | 1.0 | | 17990 | 1 | N | NE5 | (7) | 38 | Y | |
| 8 | R2302314-001 | 1.0 | | 11851 | 1 | N | NE5 | (7) | 39 | Y | |
| 9 | ↓ | 1.0 | | | 1 | N | NE5 | (7) | 40 | Y | |
| 10 | R2302310-001 | 5.0 | 10/50mL | 22669 | 1 | N | NE5 | (7) | 41 | Y | Rp+1/2 |
| 11 | ↓ | 5.0 | | | 1 | N | NE5 | (7) | 42 | Y | Rp+1/250 |
| 12 | ↓ | 5.0 | 1/50mL | | 1 | N | NE5 | (6) | 43 | Y | |
| 13 | ↓ | 5.0 | 10/50mL | | 1 | N | NE5 | (7) | 44 | Y | Rp+1/50 |
| 14 | ↓ | 25.0 | 2/50mL | | 1 | N | NE5 | (8) | 45 | Y | FOAMTY! |
| 15 | ↓ | 2.0 | 25/50mL | | 2 | N | NE5 | (7) | 46 | Y | |
| 16 | ↓ | 200.0 | 2.5/50mL → 5/50mL | | 2 | N | NE5 | (7) | 47 | Y | DU |
| 17 | ↓ | 50.0 | 1/50mL | | 2 | N | NE5 | (7) | 48 | Y | DL |
| 18 | R2302309-001 | 1.0 | | 6046 | 1 | N | NE5 | (2) | 49 | Y | |
| 19 | ↓ | 1.0 | | | 1 | N | NE5 | (2) | 50 | Y | |
| 20 | ↓ | 1.0 | | 7979 | 1 | N | NE5 | (7) | 51 | Y | |
| 21 | ↓ | 1.0 | | | 1 | N | NE5 | (7) | 52 | Y | |
| 22 | ↓ | 1.0 | | | 1 | N | NE5 | (7) | 53 | Y | |
| 23 | ↓ | 1.0 | | | 1 | N | NE5 | (7) | 54 | Y | |
| 24 | ↓ | 1.0 | | | 1 | N | NE5 | (7) | 55 | Y | |
| 25 | ↓ | 1.0 | | | 1 | N | NE5 | (7) | 56 | Y | |
| 26 | R2302296-001MS | 1.0 | | 17990 | 2 | N | NE5 | (7) | 57 | Y | |
| 27 | ↓ | 1.0 | | | 3 | N | NE5 | (7) | 58 | Y | |
| 28 | Bulk | | | | | | | | 59 | Y | |
| 29 | ↓ | | | | | | | | 60 | Y | |

All samples = 5 mL + 5 uL combined IS/
 T16 Primary 500 : 228037 - 5uL/5mL
 FR Primary : 228045 -
 FR Primary : 228047 -
 OCC Primary : 228096 -
 Primary :
 T16 Secondary 200 : 227185 - 21
 FR Secondary 500 : 2271959 - 21
 FR Secondary : 228096 -
 OCC Secondary : 228098 -
 Secondary 200 : 228092 - 2uL
 Combined IS/Surr :
 Surrogate 50 : 227832
 Internal Std 50 : 227831
 Reagents :
 O-1103 Page 43 of 200
 Runlog-MSVOA5 1/11/22

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 12:00
Date Received: 03/17/23 08:30

Sample Name: MW-9 031623
Lab Code: R2302309-002

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) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 18:26 | |
| Trichloroethene (TCE) | 5.7 | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 03/20/23 18:26 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:26 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 97 | 85 - 122 | 03/20/23 18:26 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 18:26 | |
| Toluene-d8 | 96 | 87 - 121 | 03/20/23 18:26 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 12:15
Date Received: 03/17/23 08:30

Sample Name: MW-10 031623
Lab Code: R2302309-003

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) | 0.40 J | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| 1,1-Dichloroethane (1,1-DCA) | 0.35 J | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| Tetrachloroethene (PCE) | 0.23 J | 1.0 | 0.21 | 1 | 03/20/23 18:48 | |
| Trichloroethene (TCE) | 2.8 | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |
| cis-1,2-Dichloroethene | 0.91 J | 1.0 | 0.23 | 1 | 03/20/23 18:48 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 18:48 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 03/20/23 18:48 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 18:48 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 18:48 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 14:20
Date Received: 03/17/23 08:30

Sample Name: MW-17 031623
Lab Code: R2302309-004

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) | 0.39 J | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| 1,1-Dichloroethane (1,1-DCA) | 5.7 | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 19:11 | |
| Trichloroethene (TCE) | 1.0 | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| Vinyl Chloride | 1.1 | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |
| cis-1,2-Dichloroethene | 4.4 | 1.0 | 0.23 | 1 | 03/20/23 19:11 | |
| trans-1,2-Dichloroethene | 0.30 J | 1.0 | 0.20 | 1 | 03/20/23 19:11 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 03/20/23 19:11 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 19:11 | |
| Toluene-d8 | 94 | 87 - 121 | 03/20/23 19:11 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 15:00
Date Received: 03/17/23 08:30

Sample Name: MW-16 031623
Lab Code: R2302309-005

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) | 4.0 | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| 1,1-Dichloroethane (1,1-DCA) | 13 | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 19:34 | |
| Trichloroethene (TCE) | 2.5 | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |
| cis-1,2-Dichloroethene | 13 | 1.0 | 0.23 | 1 | 03/20/23 19:34 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:34 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 03/20/23 19:34 | |
| Dibromofluoromethane | 95 | 80 - 116 | 03/20/23 19:34 | |
| Toluene-d8 | 95 | 87 - 121 | 03/20/23 19:34 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 16:15
Date Received: 03/17/23 08:30

Sample Name: MW-8 031623
Lab Code: R2302309-007

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) | 1.6 | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.6 | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| 1,1-Dichloroethene (1,1-DCE) | 0.64 J | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 20:20 | |
| Trichloroethene (TCE) | 32 | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |
| cis-1,2-Dichloroethene | 38 | 1.0 | 0.23 | 1 | 03/20/23 20:20 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 20:20 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 98 | 85 - 122 | 03/20/23 20:20 | |
| Dibromofluoromethane | 96 | 80 - 116 | 03/20/23 20:20 | |
| Toluene-d8 | 97 | 87 - 121 | 03/20/23 20:20 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2302309
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 08:30

Sample Name: Dup-031623
Lab Code: R2302309-008

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) | 1.6 | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.5 | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| 1,1-Dichloroethene (1,1-DCE) | 0.63 J | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 03/20/23 19:57 | |
| Trichloroethene (TCE) | 35 | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |
| cis-1,2-Dichloroethene | 43 | 1.0 | 0.23 | 1 | 03/20/23 19:57 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 03/20/23 19:57 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 03/20/23 19:57 | |
| Dibromofluoromethane | 94 | 80 - 116 | 03/20/23 19:57 | |
| Toluene-d8 | 92 | 87 - 121 | 03/20/23 19:57 | |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9151.D
 Acq On : 20 Mar 2023 6:26 pm
 Operator : F.NAEGLER
 Sample : R2302309-002|1.0 Inst : MSVOA10
 Misc : VCG 7979 T4
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 21 09:50:43 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

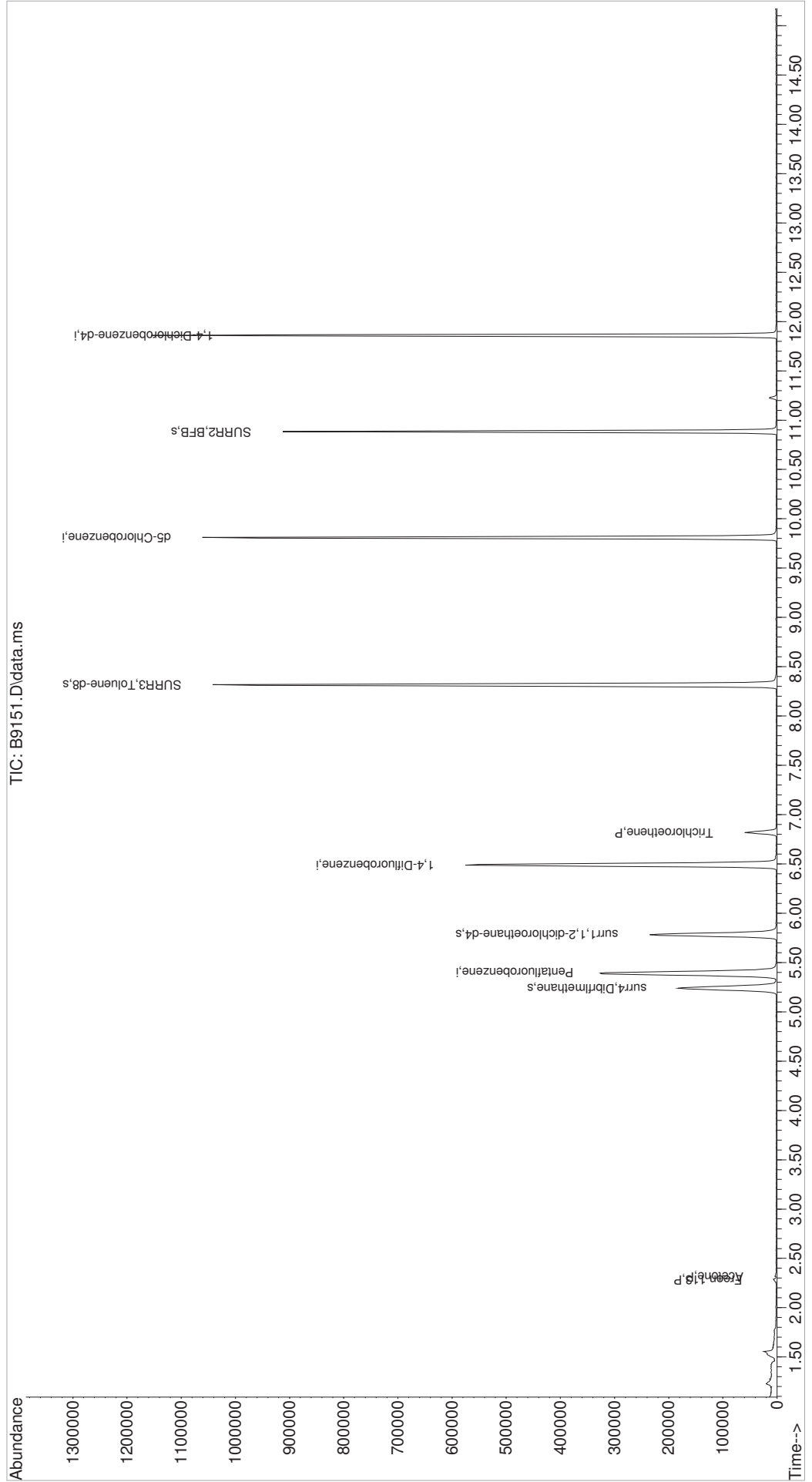
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.397 | 168 | 324354 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 501060 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 457927 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 223642 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.238 | 113 | 153674 | 47.37 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 94.74% | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 196624 | 52.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 104.32% | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 604833 | 47.93 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 95.86% | |
| 70) SURR2,BFB | 10.884 | 95 | 216840 | 48.67 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 97.34% | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.581 | 64 | 604 | Below Cal | Qvalue # | 73 |
| 15) Freon 113 | 2.282 | 101 | 1988 | 0.76 | ug/L | 90 |
| 16) Acetone | 2.318 | 43 | 1863 | 1.19 | ug/L | 65 |
| 54) Trichloroethene | 6.817 | 130 | 19298 | 5.71 | ug/L | 87 |

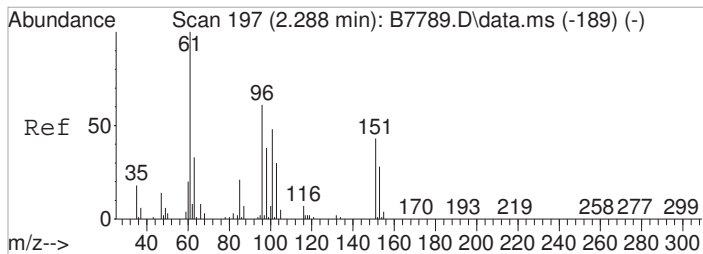
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9151.D
Acq On : 20 Mar 2023 6:26 pm
Operator : F.NAEGLER
Sample : R2302309-002|1.0
Misc : VCG 7979 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

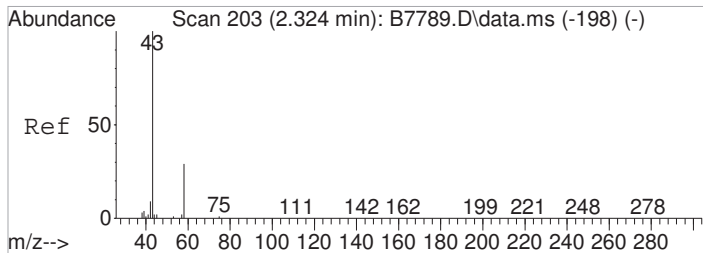
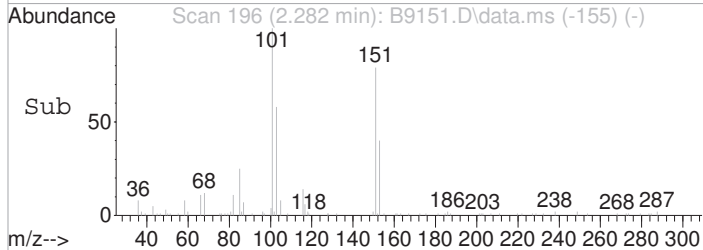
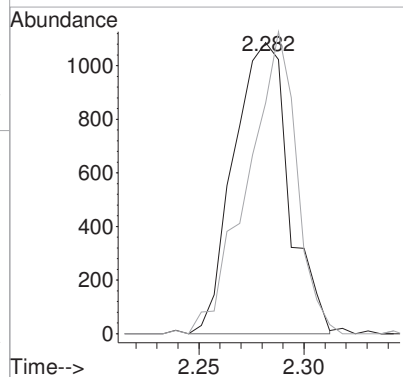
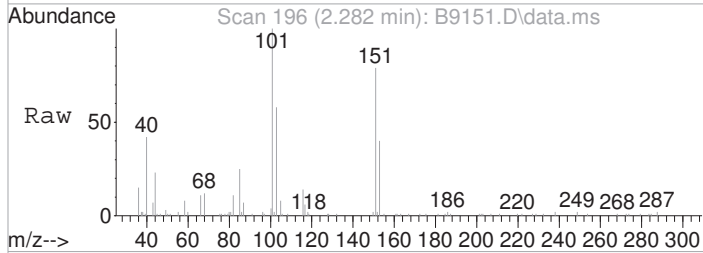
Quant Time: Mar 21 09:50:43 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





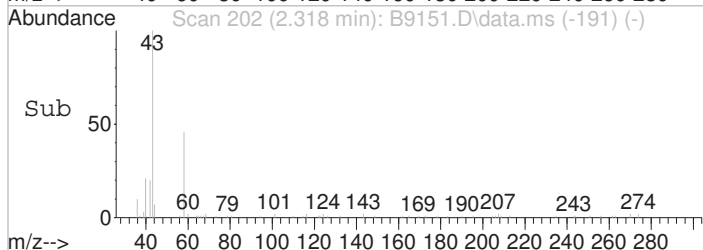
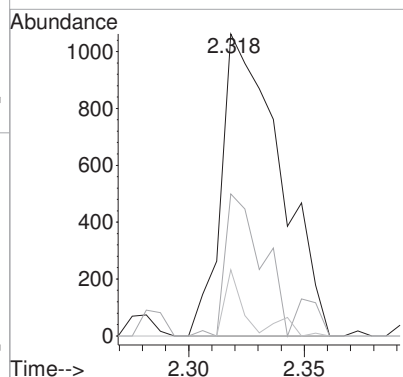
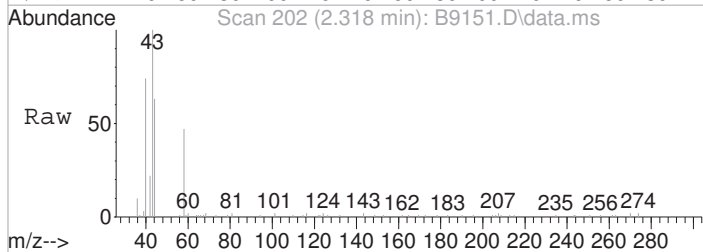
#15
 Freon 113
 Concen: 0.76 ug/L
 RT: 2.282 min Scan# 196
 Delta R.T. -0.006 min
 Lab File: B9151.D
 Acq: 20 Mar 2023 6:26 pm

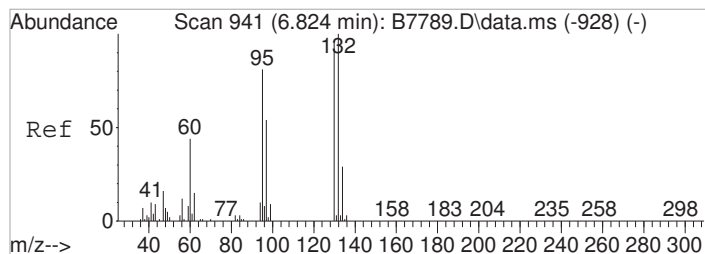
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 101 | 1988 | | |
| 101 | 100 | | |
| 151 | 79.3 | 68.2 | 108.2 |



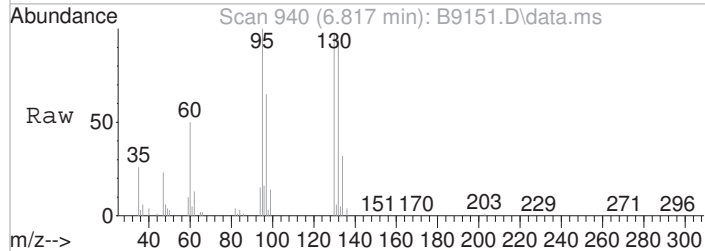
#16
 Acetone
 Concen: 1.19 ug/L
 RT: 2.318 min Scan# 202
 Delta R.T. -0.006 min
 Lab File: B9151.D
 Acq: 20 Mar 2023 6:26 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1863 | | |
| 43 | 100 | | |
| 58 | 47.0 | 8.5 | 48.5 |
| 42 | 21.8 | 0.0 | 29.6 |

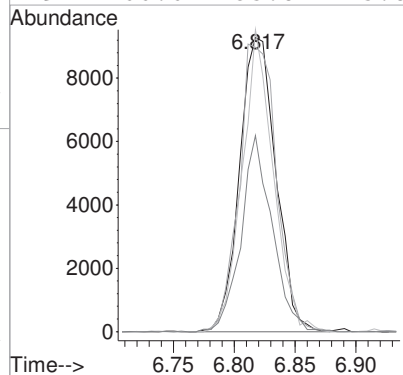
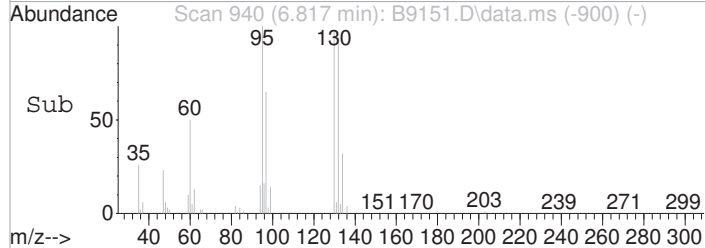




#54
Trichloroethene
Concen: 5.71 ug/L
RT: 6.817 min Scan# 940
Delta R.T. -0.006 min
Lab File: B9151.D
Acq: 20 Mar 2023 6:26 pm



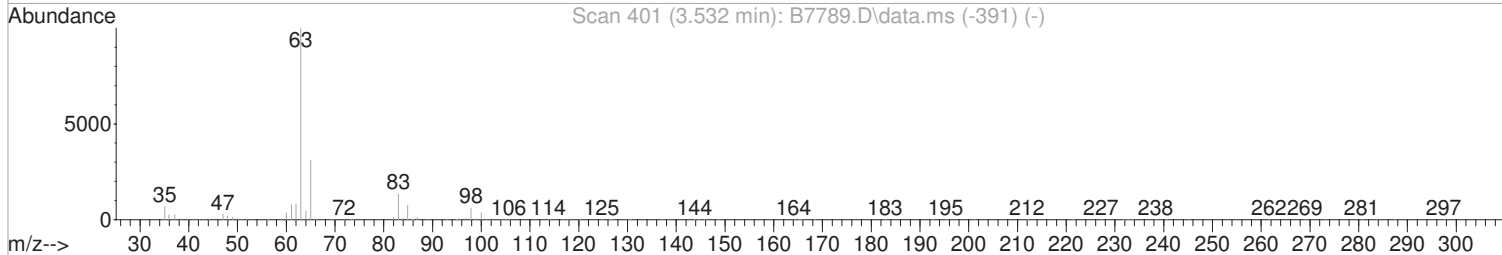
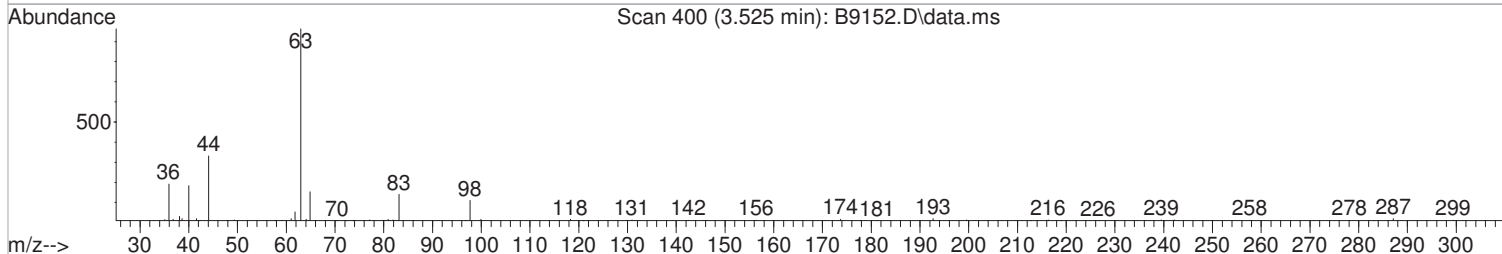
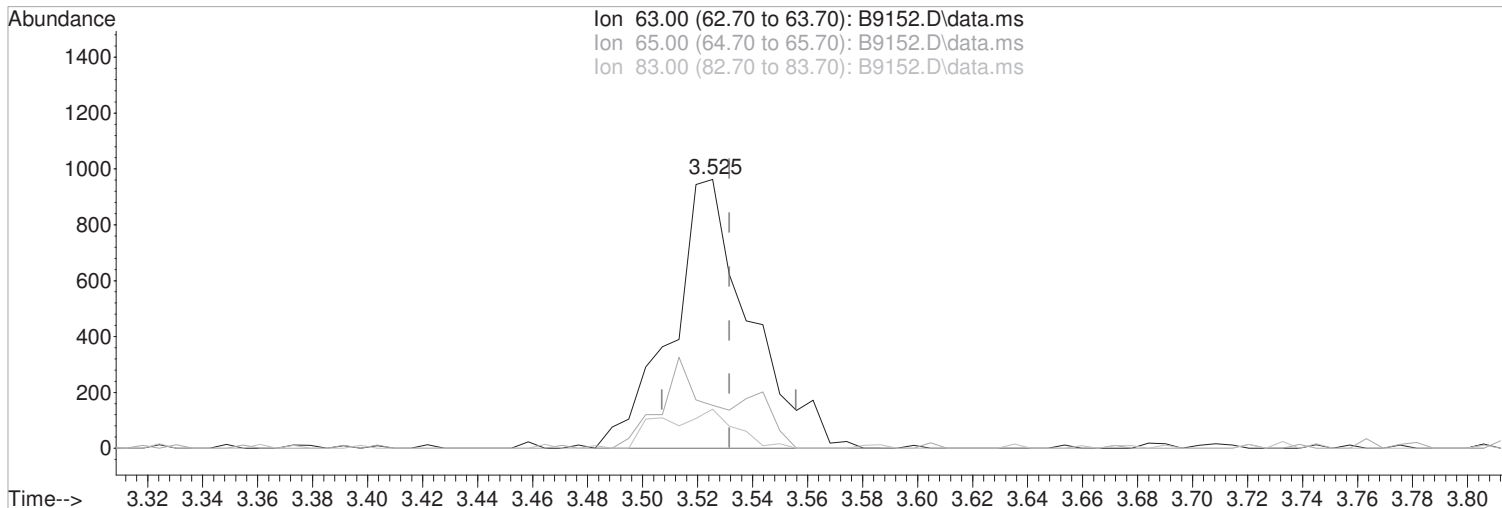
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 130 | 100 | | |
| 132 | 96.6 | 84.1 | 124.1 |
| 95 | 102.6 | 64.6 | 104.6 |
| 97 | 66.6 | 35.8 | 75.8 |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9152.D
Acq On : 20 Mar 2023 6:48 pm
Operator : F.NAEGLER
Sample : R2302309-003|1.0
Misc : VCG 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:40:30 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9152.D\data.ms

(28) 1,1-Dicethane (P)
3.525min (-0.006) 0.34 ug/L m
response 1902

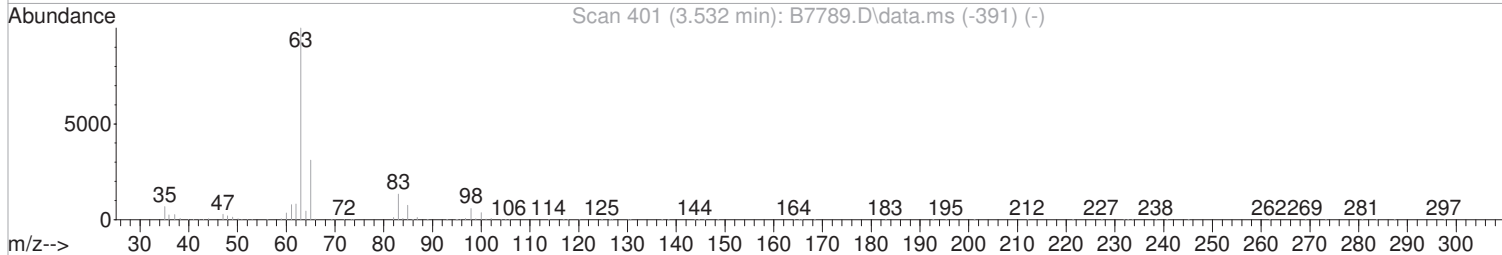
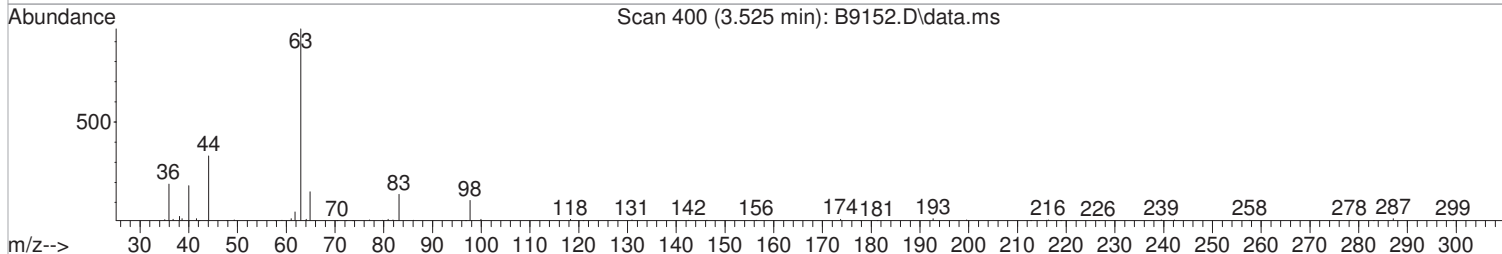
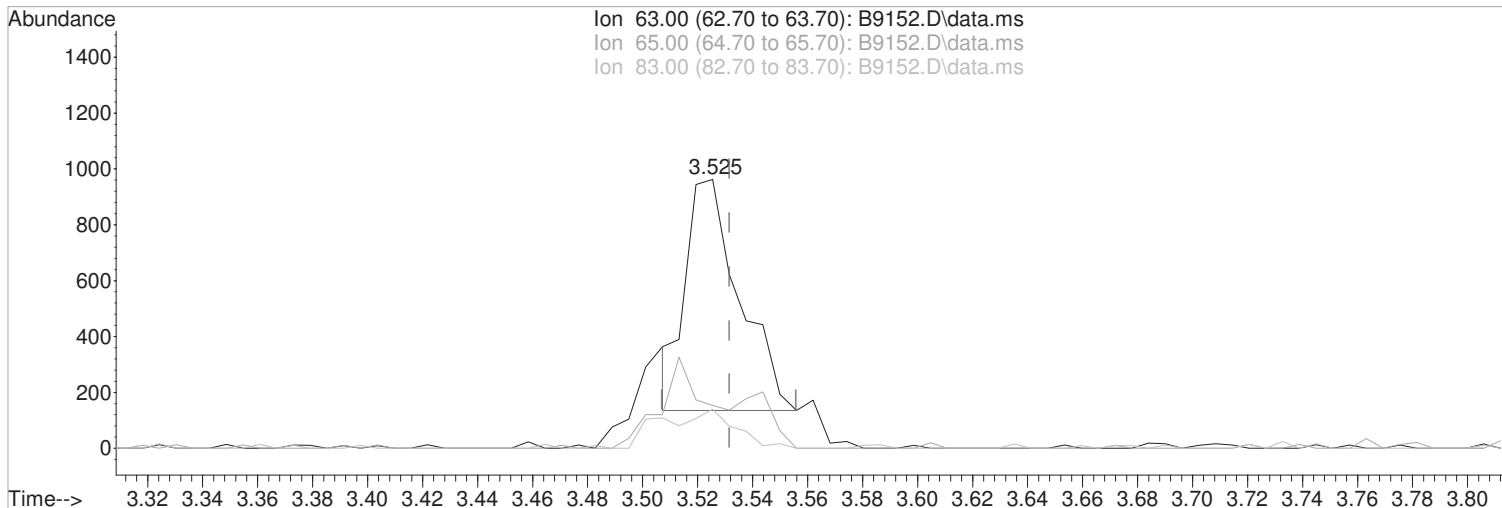
Manual Integration:
After
Poor integration.

| Ion | Exp% | Act% |
|-------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 31.10 | 15.99 |
| 83.00 | 13.40 | 14.54 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9152.D
 Acq On : 20 Mar 2023 6:48 pm
 Operator : F.NAEGLER
 Sample : R2302309-003|1.0
 Misc : VCG 7979 T4
 ALS Vial : 21 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: Mar 21 08:40:30 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration



(28) 1,1-Dicethane (P)
 3.525min (-0.006) 0.20 ug/L
 response 1119

Manual Integration:
 Before

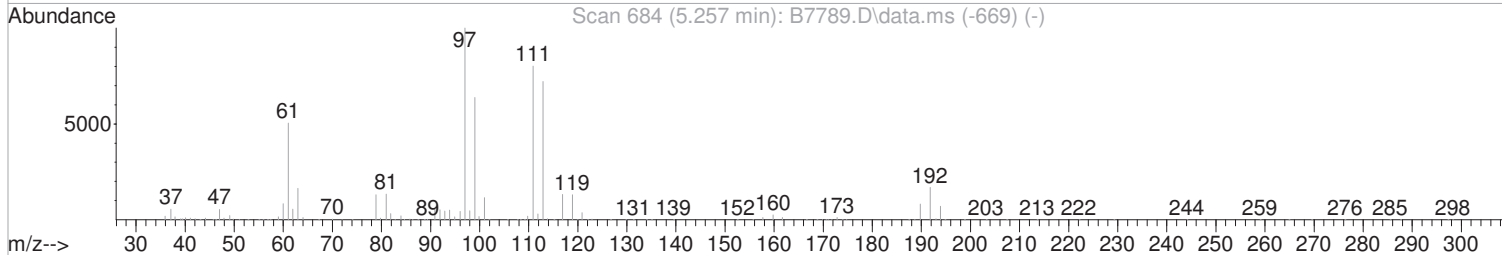
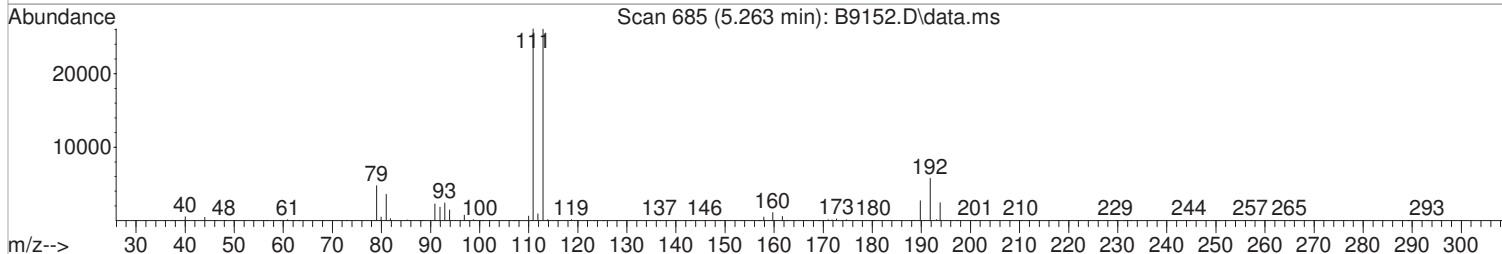
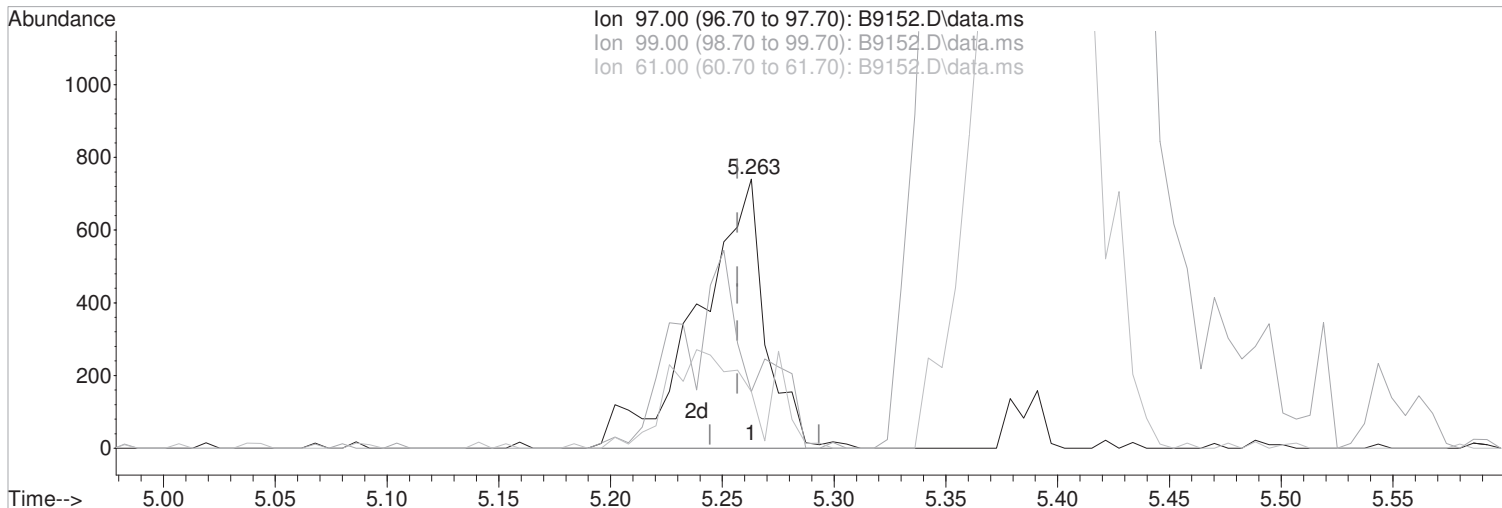
| Ion | Exp% | Act% |
|-------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 31.10 | 15.99 |
| 83.00 | 13.40 | 14.54 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9152.D
 Acq On : 20 Mar 2023 6:48 pm
 Operator : F.NAEGLER
 Sample : R2302309-003|1.0
 Misc : VCG 7979 T4
 ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:40:30 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration



TIC: B9152.D\data.ms

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

5.263min (+0.006) 0.40 ug/L m
 response 1549

| Ion | Exp% | Act% |
|-------|-------|--------|
| 97.00 | 100 | 100 |
| 99.00 | 63.80 | 21.08# |
| 61.00 | 50.40 | 21.08# |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

After

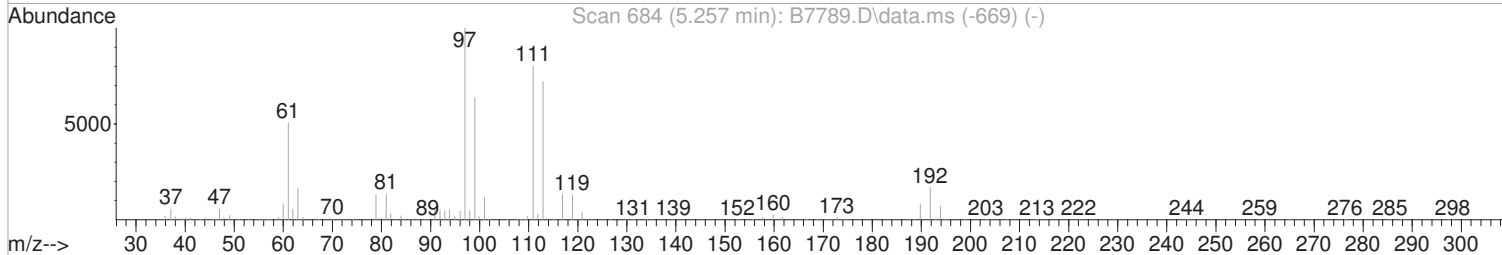
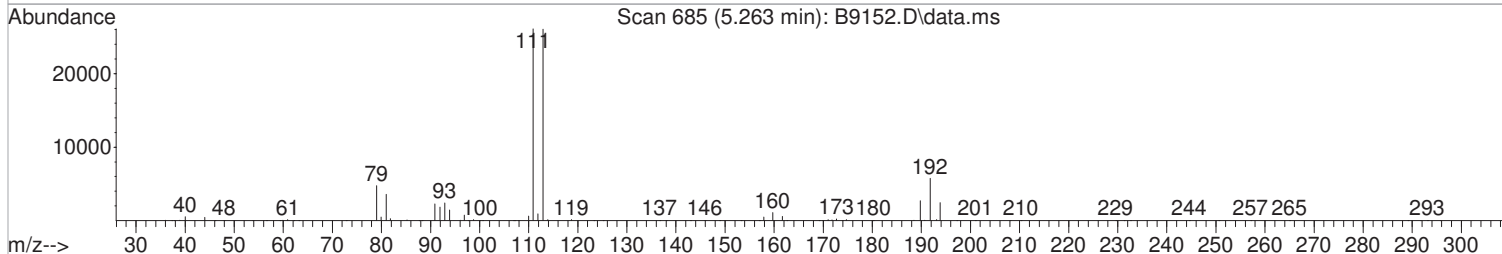
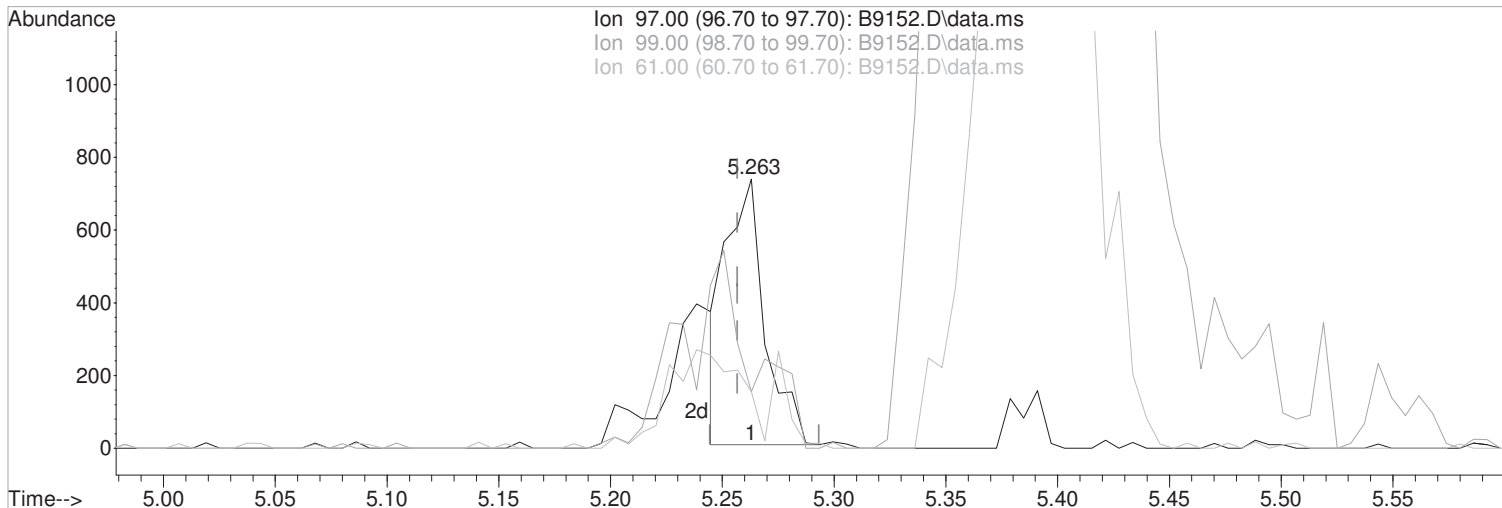
Poor integration.

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9152.D
 Acq On : 20 Mar 2023 6:48 pm
 Operator : F.NAEGLER
 Sample : R2302309-003|1.0
 Misc : VCG 7979 T4
 ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:40:30 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration



TIC: B9152.D\data.ms

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

Manual Integration:

5.263min (+0.006) 0.23 ug/L

Before

response 897

| Ion | Exp% | Act% |
|-------|-------|--------|
| 97.00 | 100 | 100 |
| 99.00 | 63.80 | 20.58# |
| 61.00 | 50.40 | 20.58# |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9152.D
 Acq On : 20 Mar 2023 6:48 pm
 Operator : F.NAEGLER
 Sample : R2302309-003|1.0 Inst : MSVOA10
 Misc : VCG 7979 T4
 ALS Vial : 21 Sample Multiplier: 1

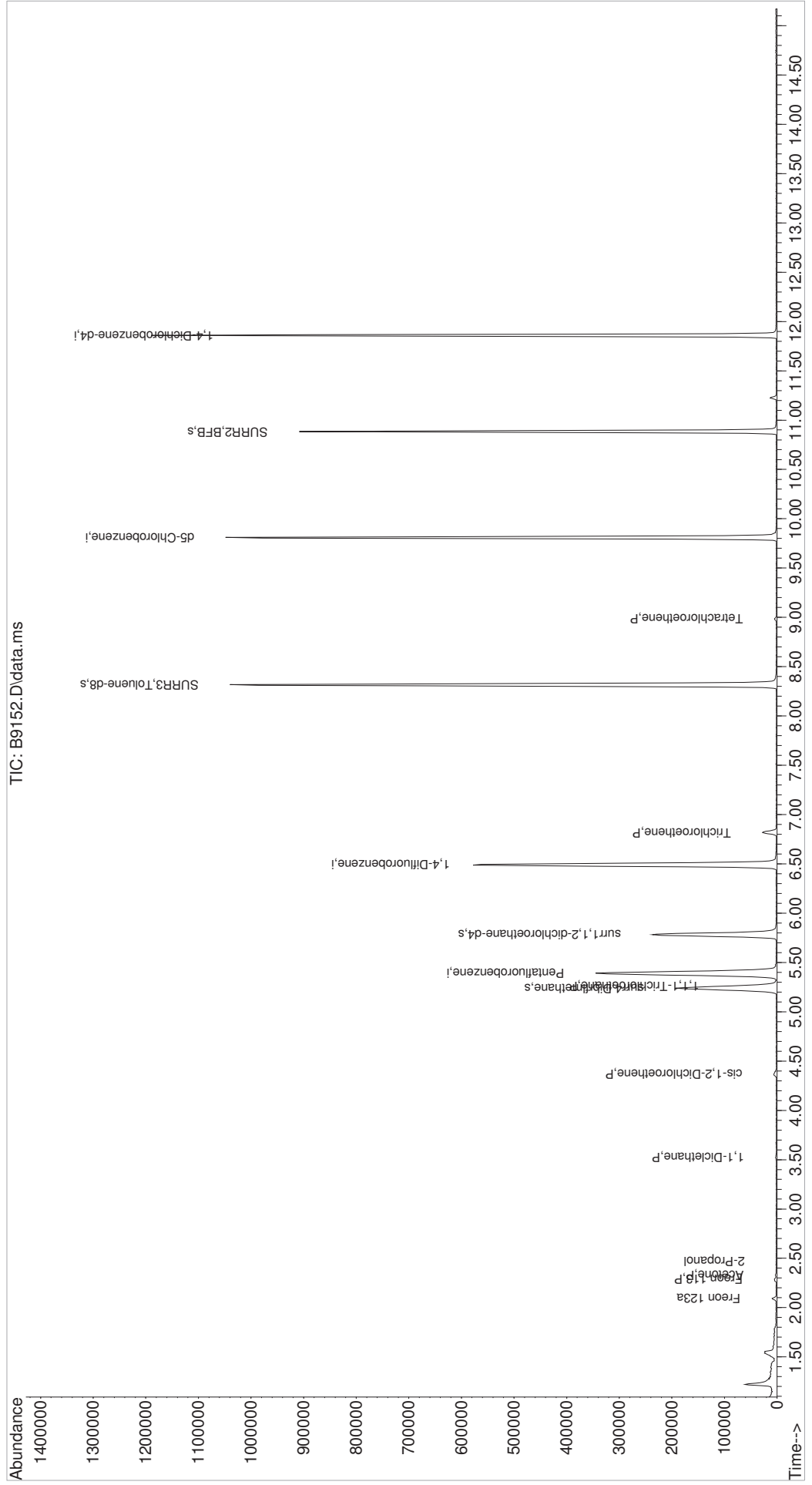
Quant Time: Mar 21 09:52:36 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

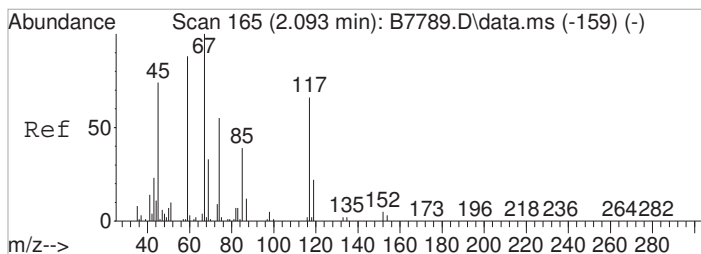
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|------------|-----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 325364 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 512337 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 466771 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 224852 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.239 | 113 | 157329 | 47.43 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 94.86% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 197568 | 51.25 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 102.50% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 614848 | 47.65 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 95.30% | | |
| 70) SURR2,BFB | 10.884 | 95 | 215963 | 47.41 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 94.82% | | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.715 | 64 | 424 | Below Cal | # | 66 |
| 11) Freon 123a | 2.093 | 67 | 2892 | 0.82 | ug/L | 97 |
| 15) Freon 113 | 2.288 | 101 | 1426 | 0.55 | ug/L | # 72 |
| 16) Acetone | 2.331 | 43 | 2344 | 1.49 | ug/L | # 62 |
| 17) 2-Propanol | 2.471 | 45 | 308 | 1.10 | ug/L | # 51 |
| 28) 1,1-Dicethane | 3.525 | 63 | 1902m | 0.34 | ug/L | |
| 34) cis-1,2-Dichloroethene | 4.367 | 96 | 3008 | 0.91 | ug/L | # 57 |
| 41) 1,1,1-Trichloroethane | 5.263 | 97 | 1549m | 0.40 | ug/L | |
| 54) Trichloroethene | 6.817 | 130 | 9657 | 2.79 | ug/L | 89 |
| 72) Tetrachloroethene | 8.988 | 164 | 574 | 0.23 | ug/L | # 74 |

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

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9152.D
 Acq On : 20 Mar 2023 6:48 pm
 Operator : F.NAEGLER
 Sample : R2302309-003|1.0
 Misc : VCG 7979 T4
 ALS Vial : 21 Sample Multiplier: 1
 Inst : MSVOA10

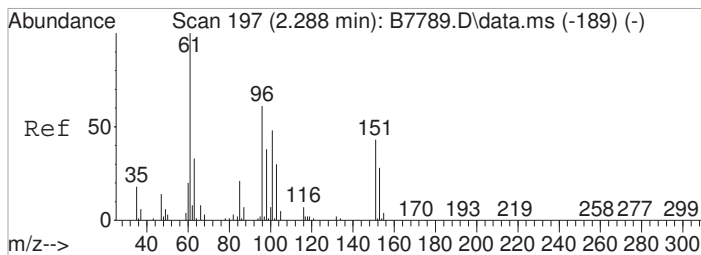
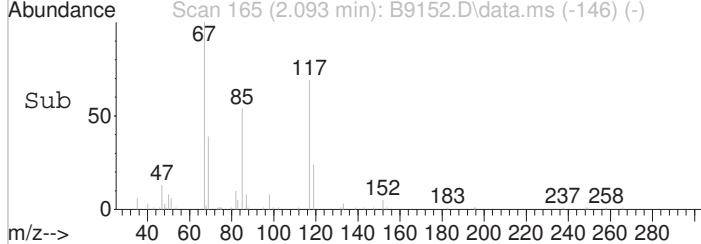
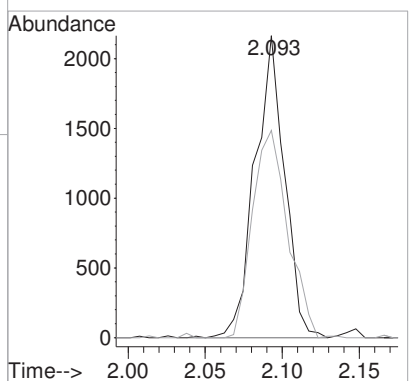
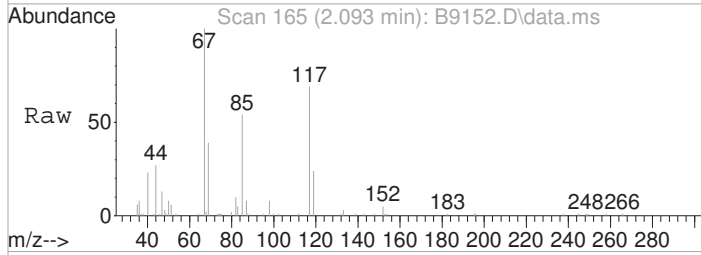
Quant Time: Mar 21 09:52:36 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration





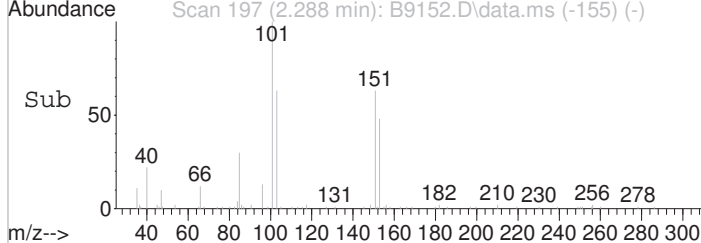
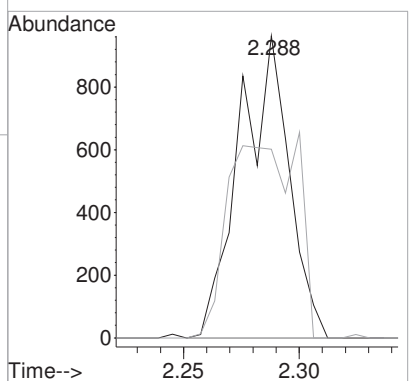
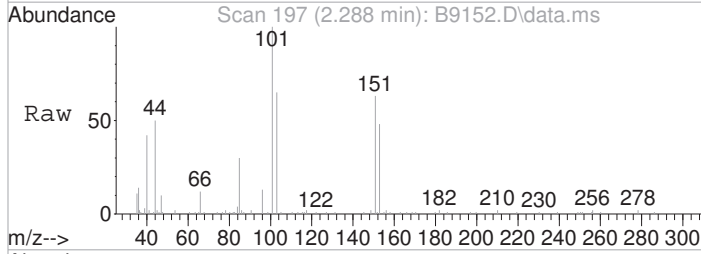
#11
 Freon 123a
 Concen: 0.82 ug/L
 RT: 2.093 min Scan# 165
 Delta R.T. 0.000 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

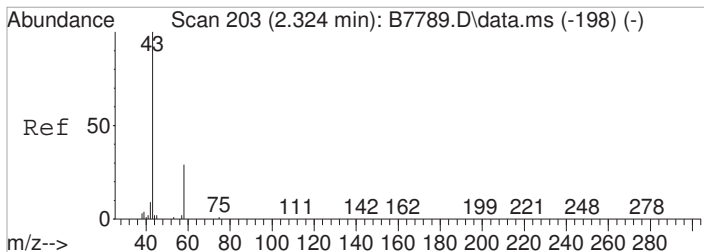
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 67 | 100 | | |
| 117 | 68.6 | 45.9 | 85.9 |



#15
 Freon 113
 Concen: 0.55 ug/L
 RT: 2.288 min Scan# 197
 Delta R.T. 0.000 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

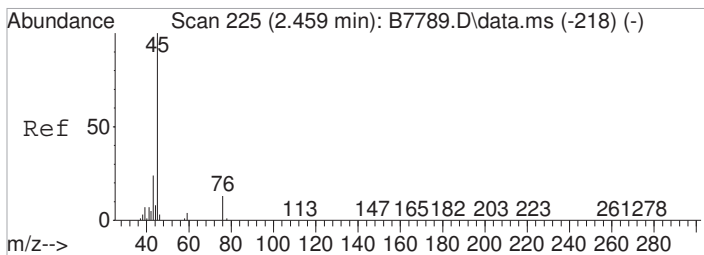
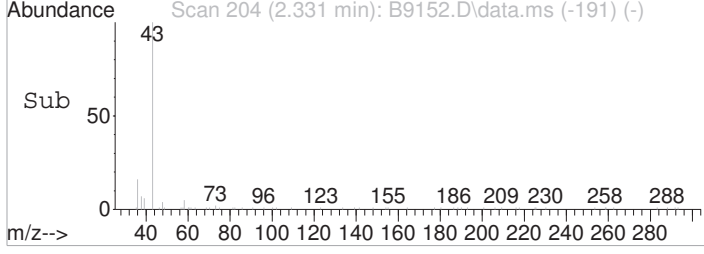
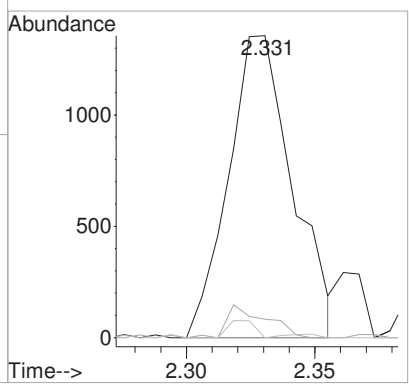
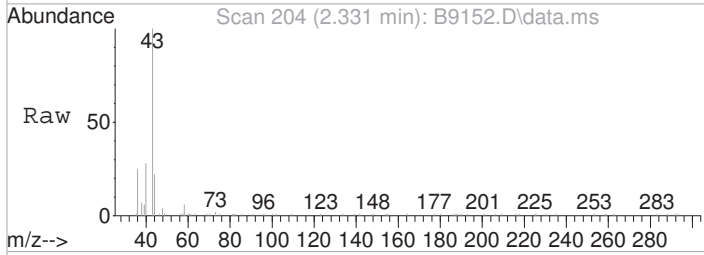
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 101 | 100 | | |
| 151 | 62.5 | 68.2 | 108.2# |





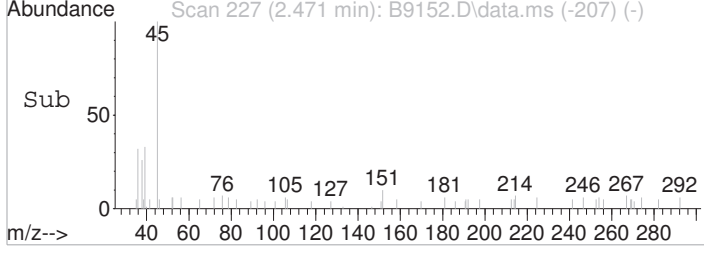
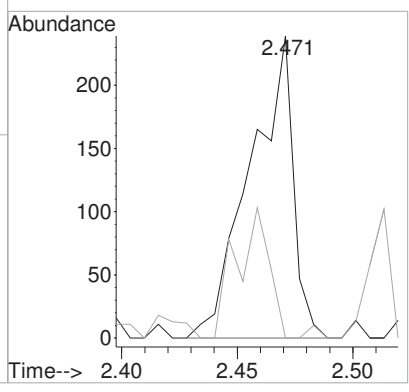
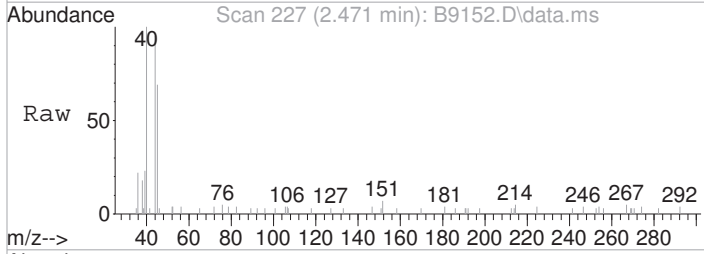
#16
 Acetone
 Concen: 1.49 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

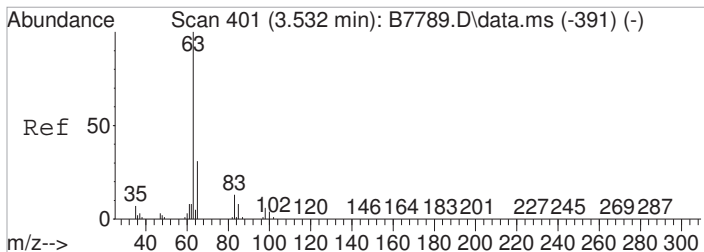
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 6.0 | 8.5 | 48.5# |
| 42 | 0.0 | 0.0 | 29.6 |



#17
 2-Propanol
 Concen: 1.10 ug/L
 RT: 2.471 min Scan# 227
 Delta R.T. 0.012 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

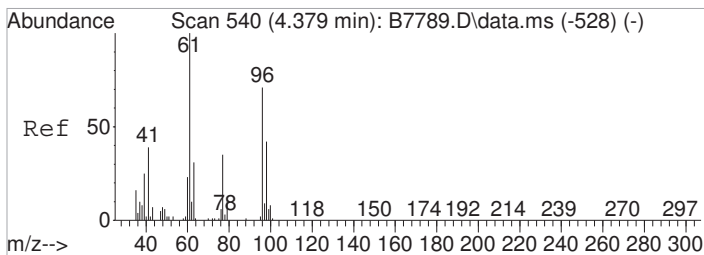
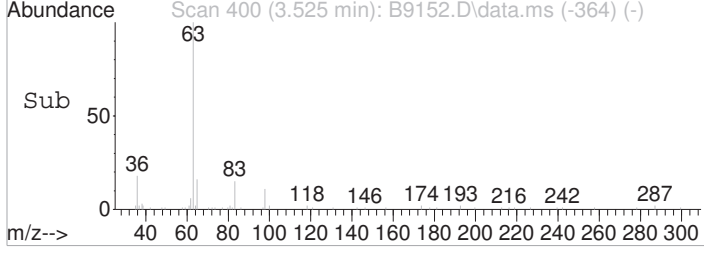
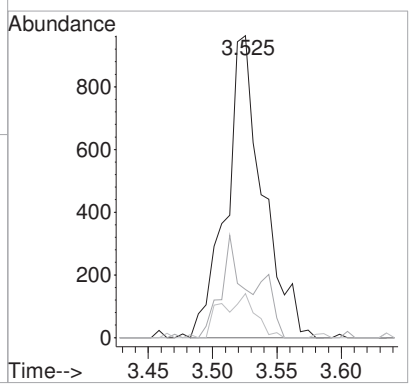
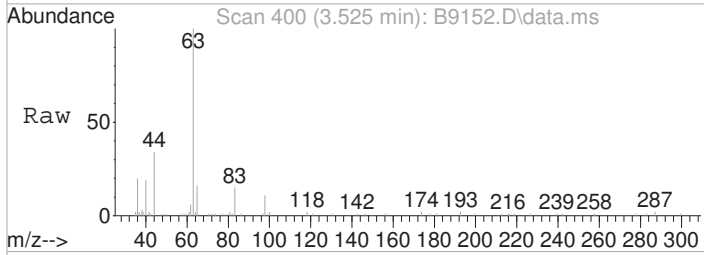
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 100 | | |
| 43 | 0.0 | 3.9 | 43.9# |





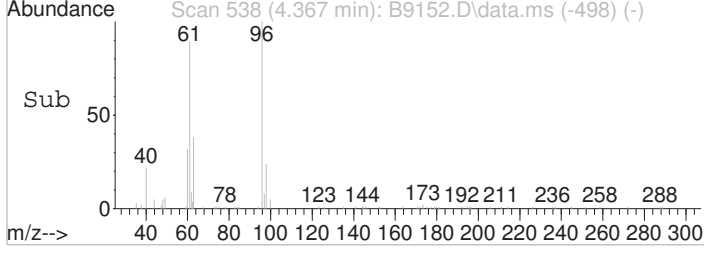
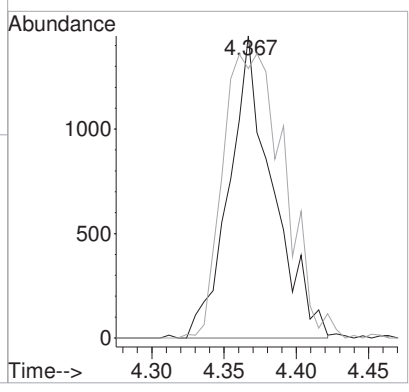
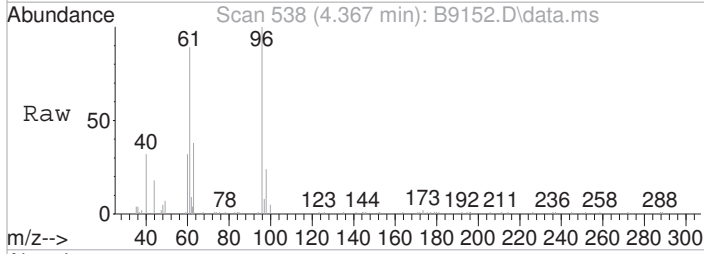
#28
 1,1-Dicylethane
 Concen: 0.34 ug/L m
 RT: 3.525 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

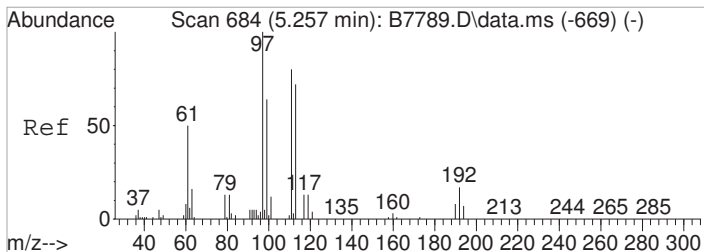
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 16.0 | 11.1 | 51.1 |
| 83 | 14.5 | 0.0 | 33.4 |



#34
 cis-1,2-Dichloroethene
 Concen: 0.91 ug/L
 RT: 4.367 min Scan# 538
 Delta R.T. -0.012 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

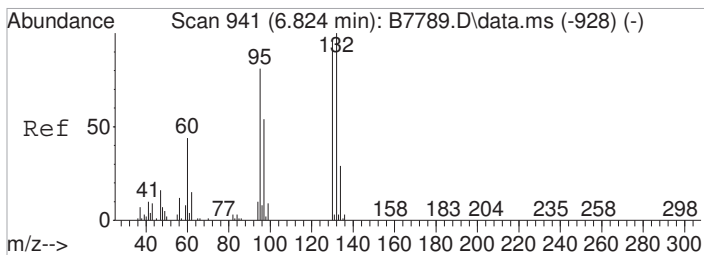
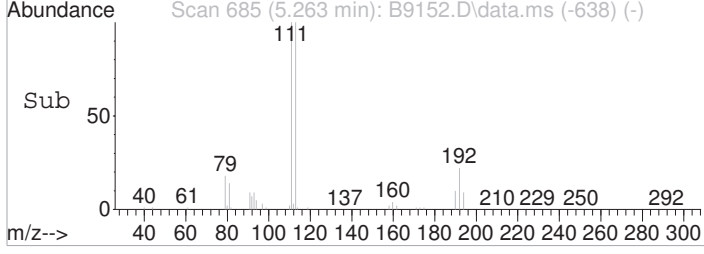
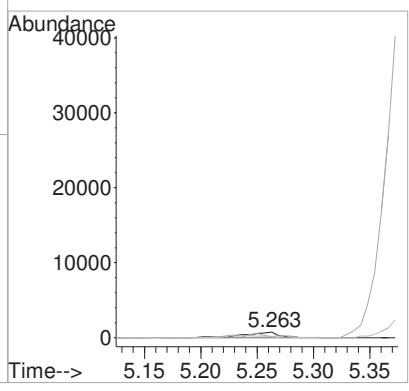
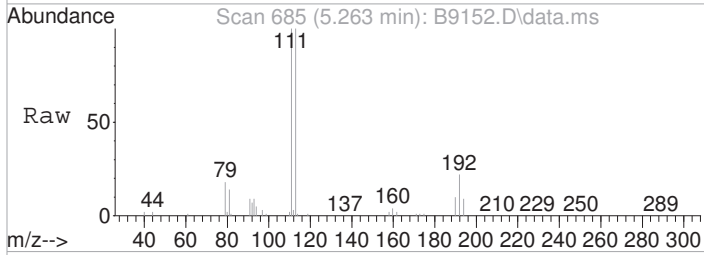
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 96 | 100 | | |
| 61 | 89.2 | 121.7 | 161.7# |





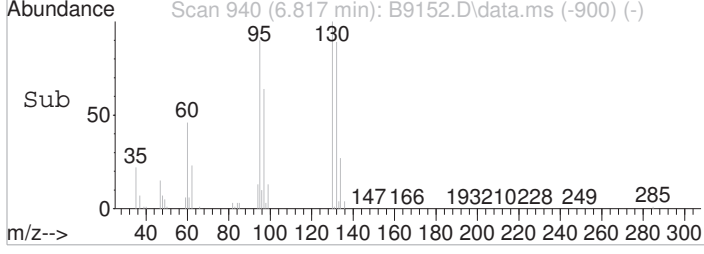
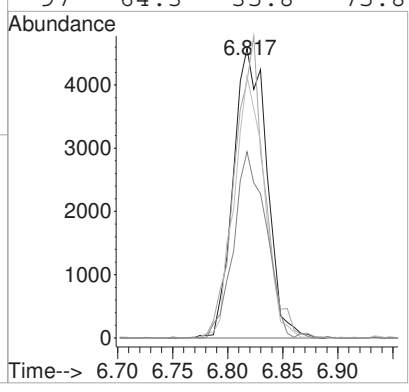
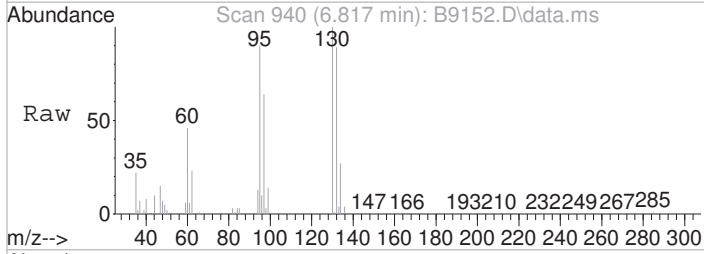
#41
 1,1,1-Trichloroethane
 Concen: 0.40 ug/L m
 RT: 5.263 min Scan# 685
 Delta R.T. 0.006 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

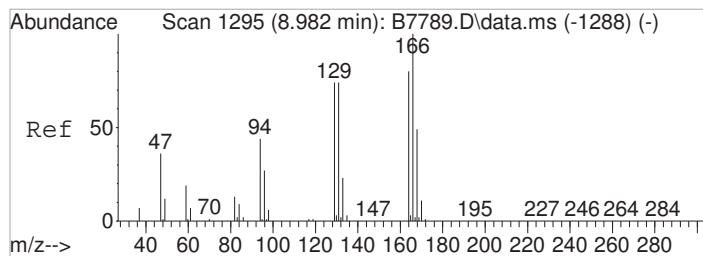
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 21.1 | 43.8 | 83.8# |
| 61 | 21.1 | 30.4 | 70.4# |



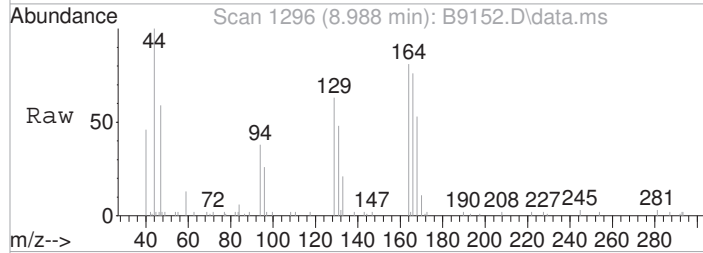
#54
 Trichloroethene
 Concen: 2.79 ug/L
 RT: 6.817 min Scan# 940
 Delta R.T. -0.006 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 130 | 100 | | |
| 132 | 88.6 | 84.1 | 124.1 |
| 95 | 90.3 | 64.6 | 104.6 |
| 97 | 64.3 | 35.8 | 75.8 |

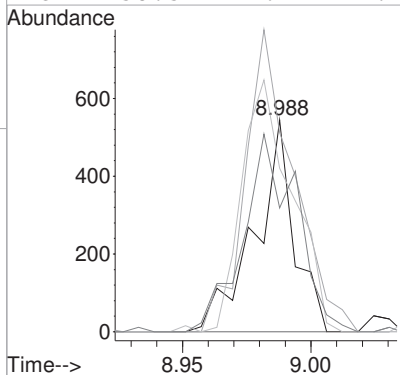
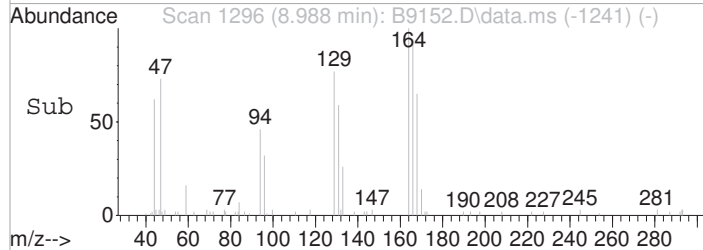




#72
 Tetrachloroethene
 Concen: 0.23 ug/L
 RT: 8.988 min Scan# 1296
 Delta R.T. 0.006 min
 Lab File: B9152.D
 Acq: 20 Mar 2023 6:48 pm



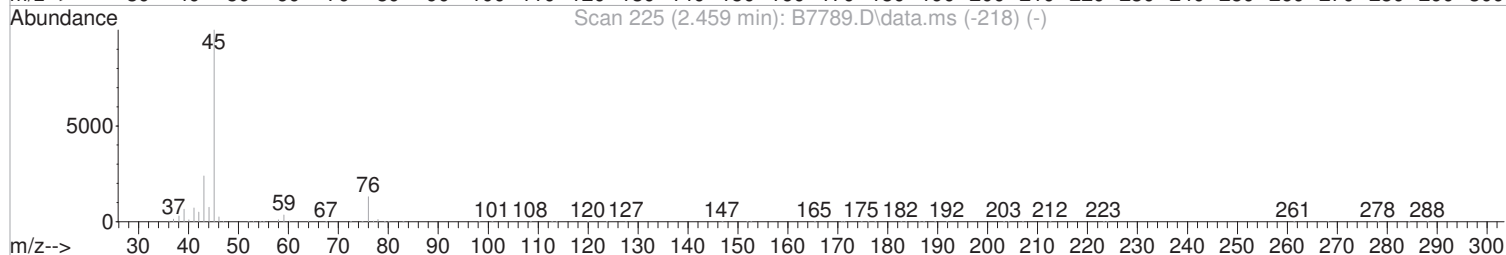
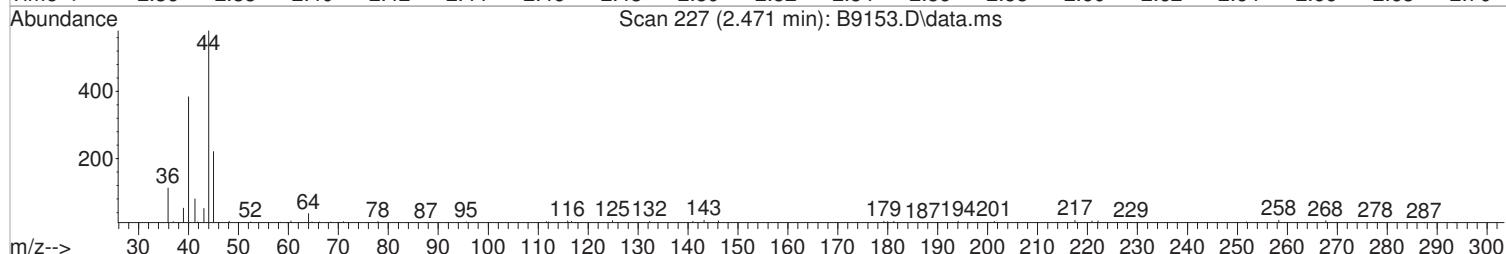
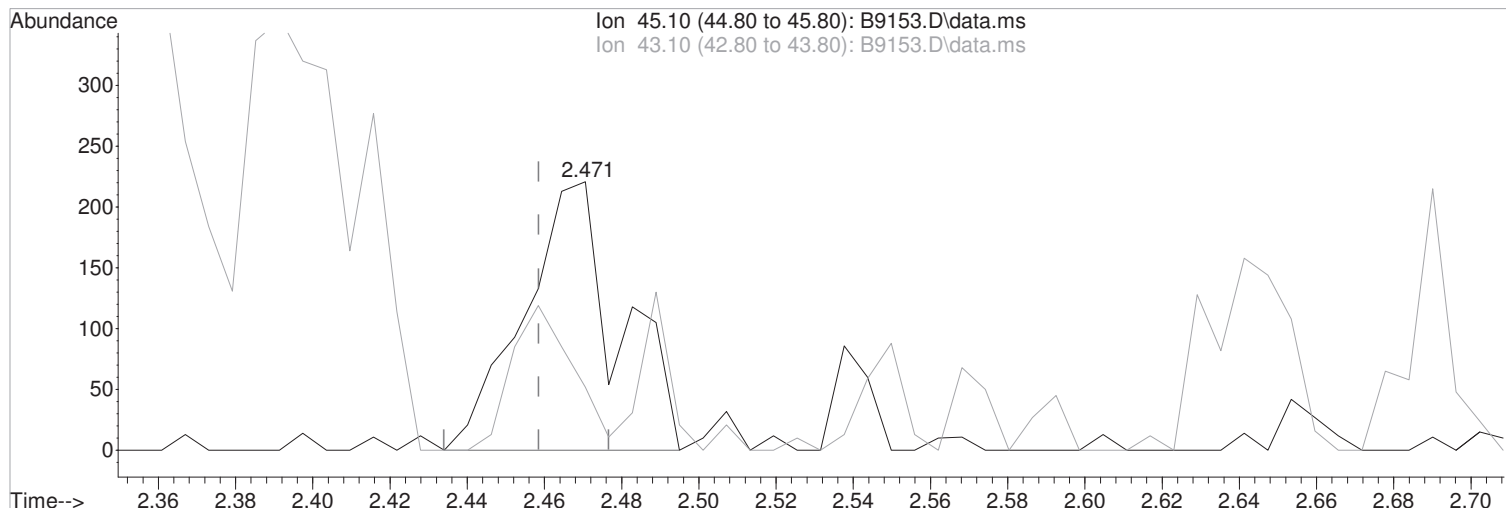
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 164 | 100 | | |
| 166 | 93.9 | 105.2 | 145.2# |
| 129 | 77.2 | 72.3 | 112.3 |
| 131 | 58.5 | 72.7 | 112.7# |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9153.D
Acq On : 20 Mar 2023 7:11 pm
Operator : F.NAEGLER
Sample : R2302309-004|1.0
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:40:45 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(17) 2-Propanol
2.471min (+0.012) 1.39 ug/L m
response 376

Manual Integration:
After
Poor integration.

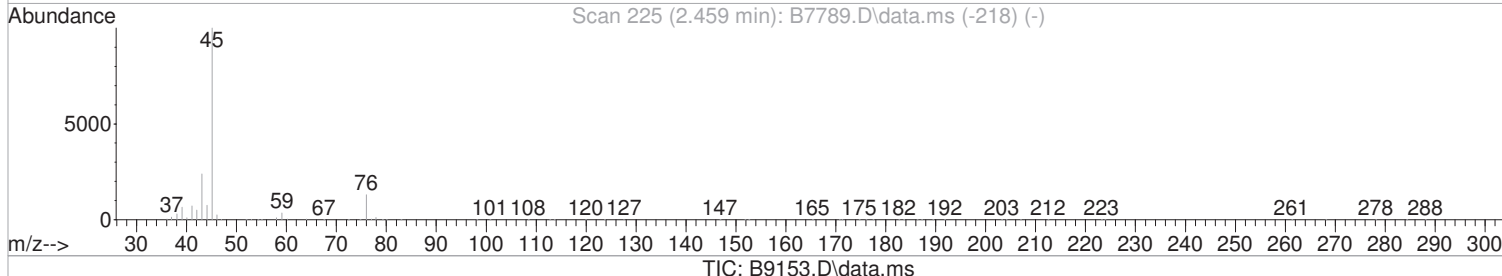
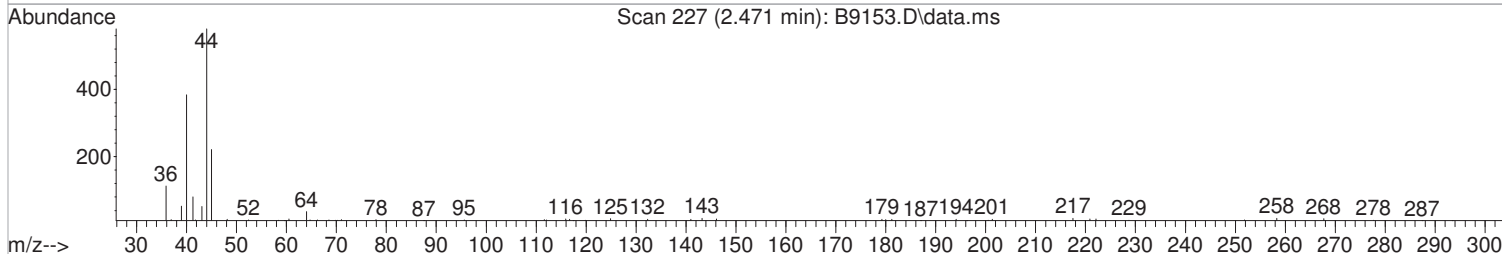
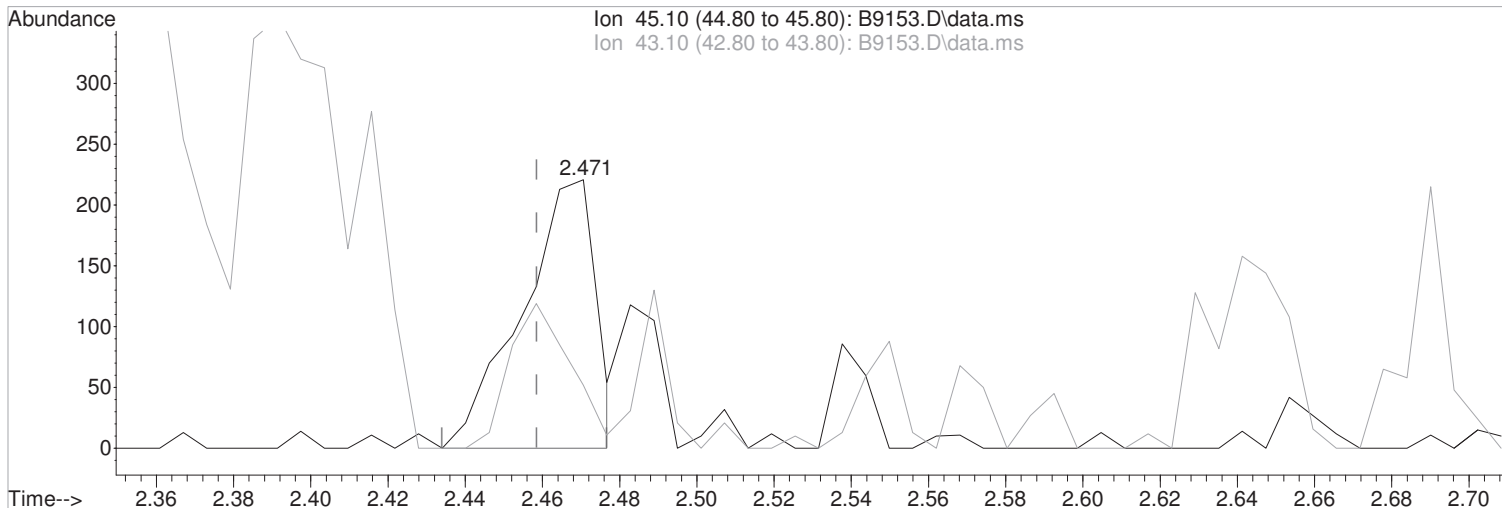
| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 43.10 | 23.90 | 23.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9153.D
Acq On : 20 Mar 2023 7:11 pm
Operator : F.NAEGLER
Sample : R2302309-004|1.0
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:40:45 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(17) 2-Propanol
2.471min (+0.012) 1.08 ug/L
response 294

Manual Integration:
Before

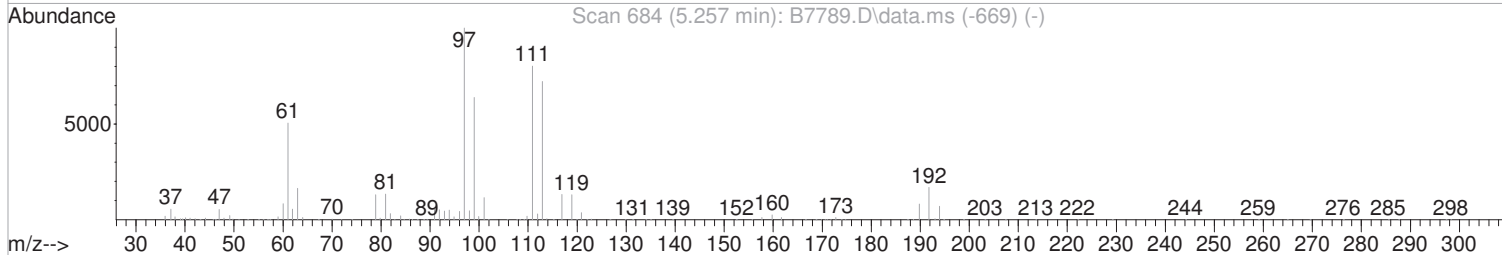
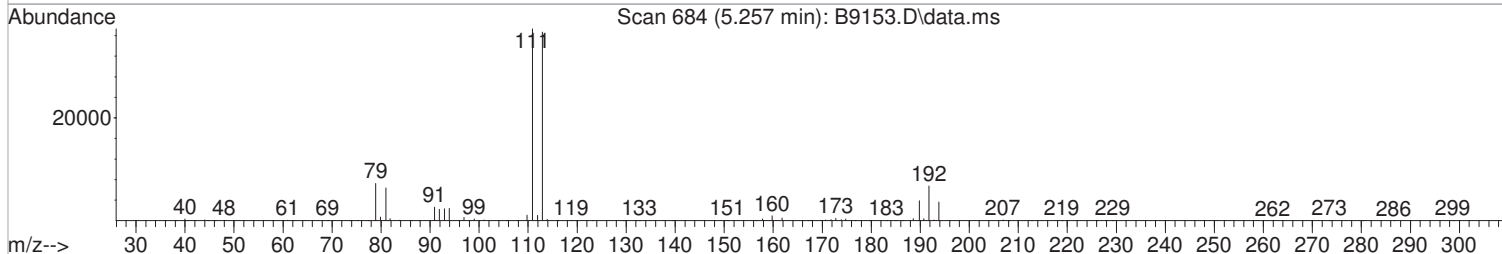
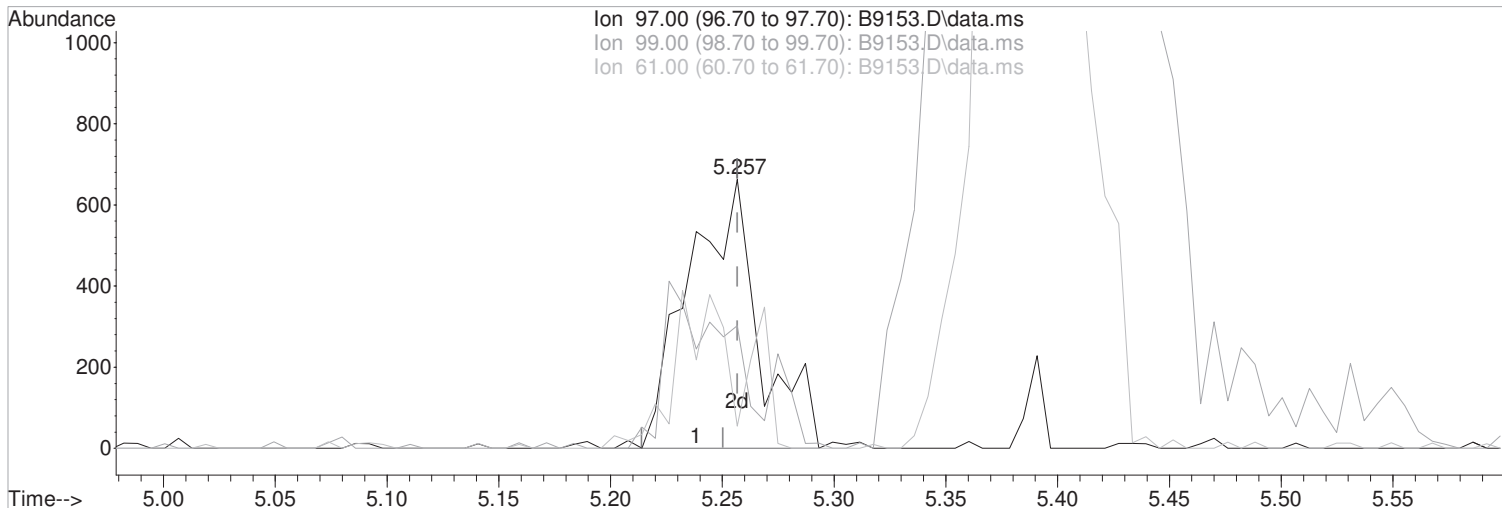
| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 43.10 | 23.90 | 23.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9153.D
Acq On : 20 Mar 2023 7:11 pm
Operator : F.NAEGLER
Sample : R2302309-004|1.0
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:40:45 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9153.D\data.ms

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

5.257min (-0.000) 0.39 ug/L m

response 1458

| Ion | Exp% | Act% |
|-------|-------|-------|
| 97.00 | 100 | 100 |
| 99.00 | 63.80 | 45.55 |
| 61.00 | 50.40 | 8.30# |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

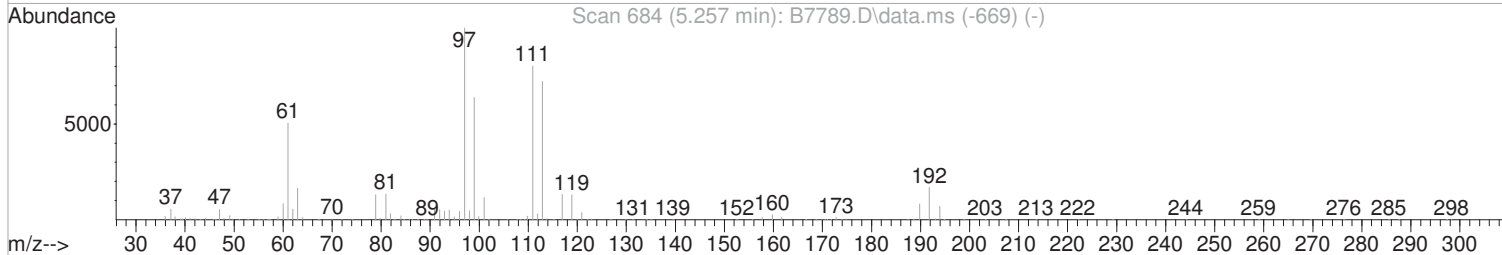
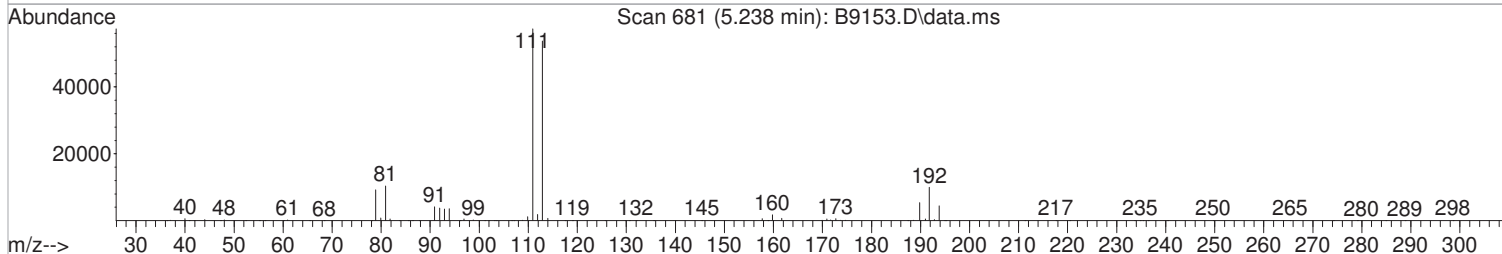
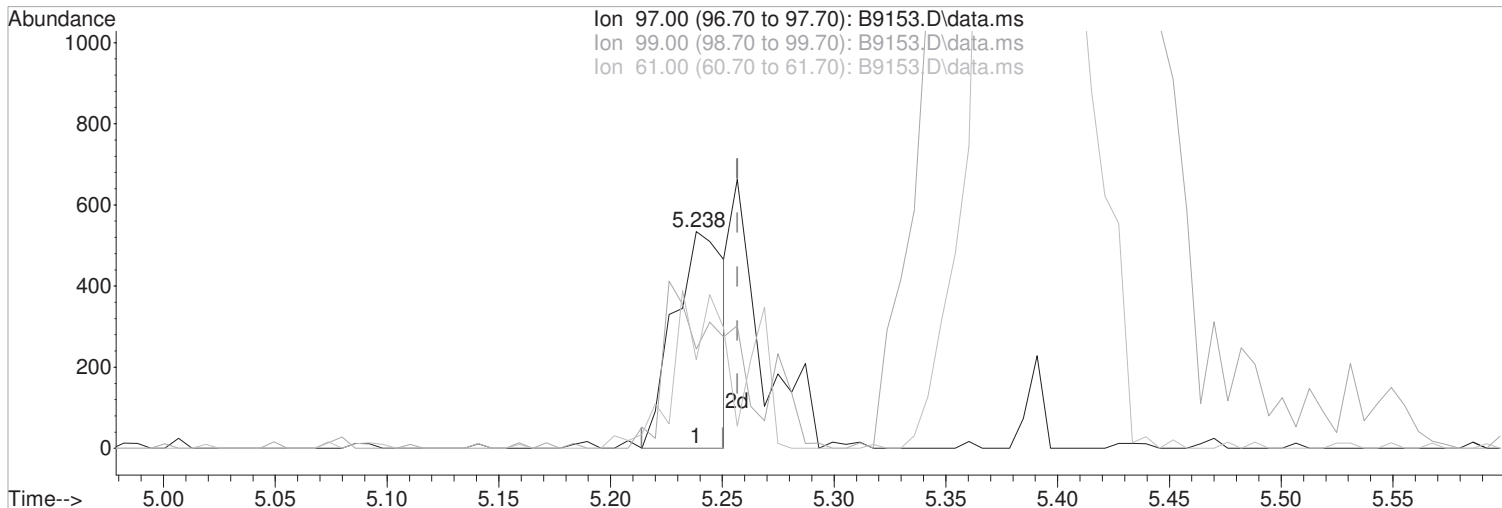
After

Poor integration.

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9153.D
Acq On : 20 Mar 2023 7:11 pm
Operator : F.NAEGLER
Sample : R2302309-004|1.0
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Mar 21 08:40:45 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9153.D\data.ms

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

Manual Integration:

5.238min (-0.018) 0.22 ug/L

Before

response 833

| Ion | Exp% | Act% |
|-------|-------|-------|
| 97.00 | 100 | 100 |
| 99.00 | 63.80 | 45.88 |
| 61.00 | 50.40 | 40.82 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9153.D
 Acq On : 20 Mar 2023 7:11 pm
 Operator : F.NAEGLER
 Sample : R2302309-004|1.0 Inst : MSVOA10
 Misc : VCG 7979 T4
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 21 09:59:54 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

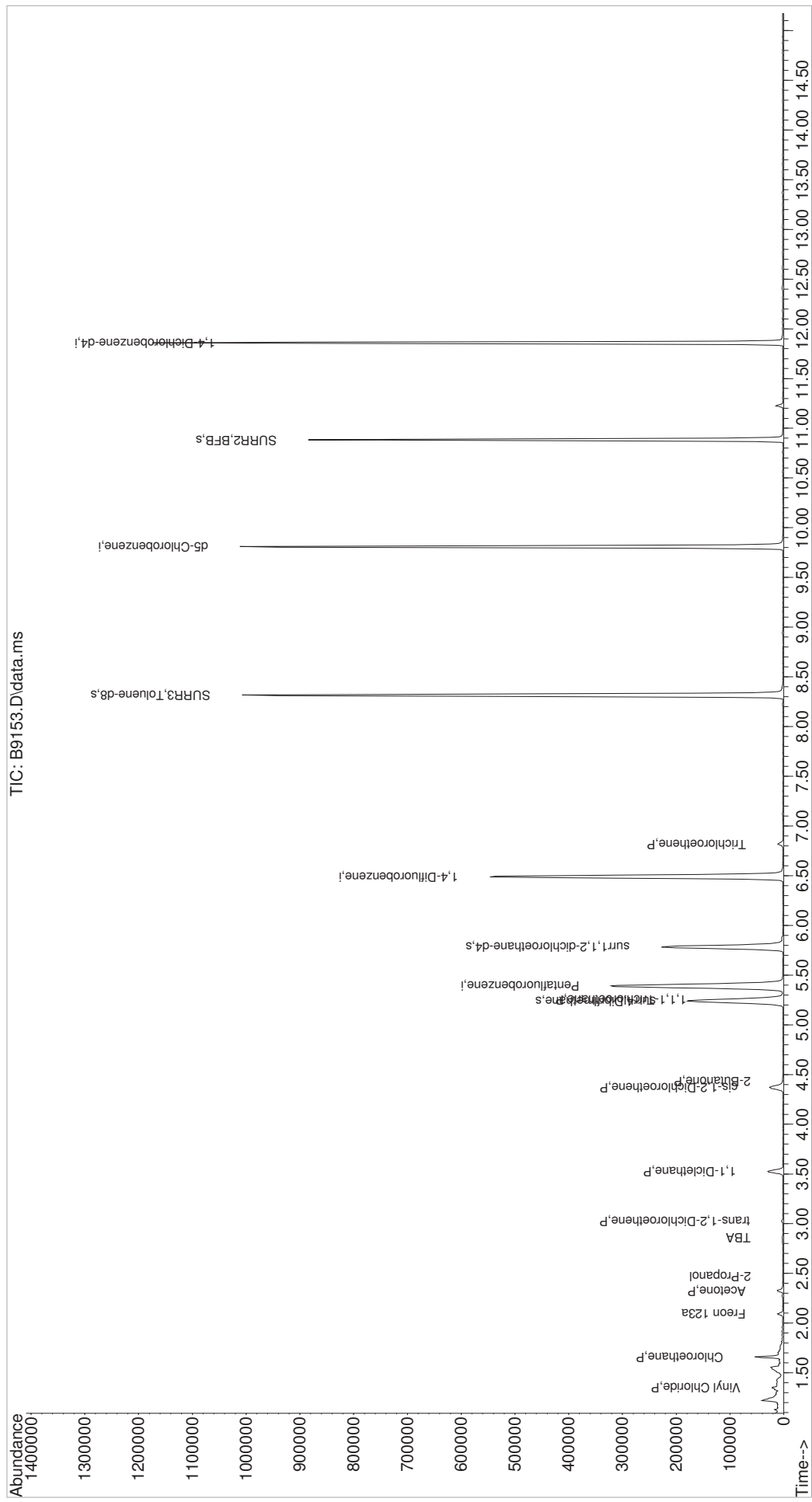
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|------------|---------|--------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 315051 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 493175 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 444219 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 223889 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.238 | 113 | 151360 | 47.40 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 94.80% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 192772 | 51.95 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 103.90% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 585280 | 47.12 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 94.24% | | |
| 70) SURR2,BFB | 10.884 | 95 | 210673 | 48.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 96.08% | | |
| Target Compounds | | | | | | |
| 5) Vinyl Chloride | 1.355 | 62 | 4957 | 1.10 | ug/L | 78 |
| 7) Chloroethane | 1.660 | 64 | 28981 | 12.61 | ug/L | 95 |
| 11) Freon 123a | 2.093 | 67 | 3727 | 1.09 | ug/L # | 62 |
| 16) Acetone | 2.324 | 43 | 11445 | 7.53 | ug/L | 89 |
| 17) 2-Propanol | 2.471 | 45 | 376m | 1.39 | ug/L | |
| 24) TBA | 2.861 | 59 | 848 | 2.24 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 3.025 | 96 | 831 | 0.30 | ug/L # | 76 |
| 28) 1,1-Dicethane | 3.525 | 63 | 30463 | 5.70 | ug/L | 93 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 14111 | 4.43 | ug/L # | 75 |
| 35) 2-Butanone | 4.434 | 43 | 2264 | 0.90 | ug/L | 82 |
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 1458m | 0.39 | ug/L | |
| 54) Trichloroethene | 6.817 | 130 | 3475 | 1.04 | ug/L | 90 |

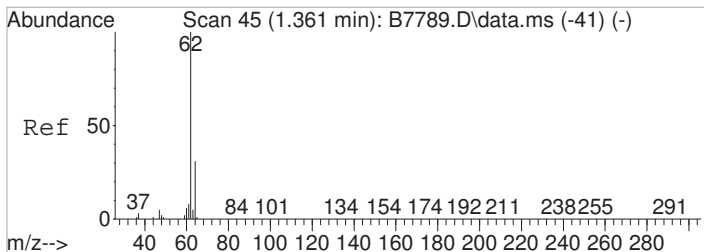
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9153.D
 Acq On : 20 Mar 2023 7:11 pm
 Operator : F.NAEGLER
 Sample : R2302309-004|1.0
 Misc : VCG 7979 T4
 ALS Vial : 22 Sample Multiplier: 1
 Inst : MSVOA10

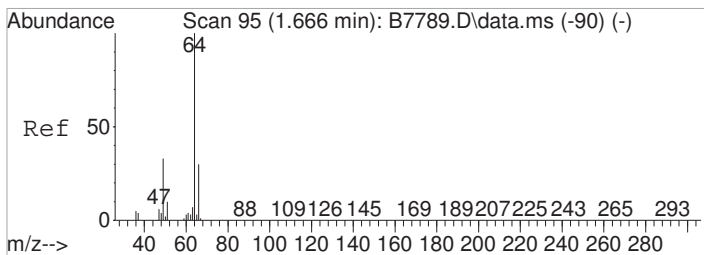
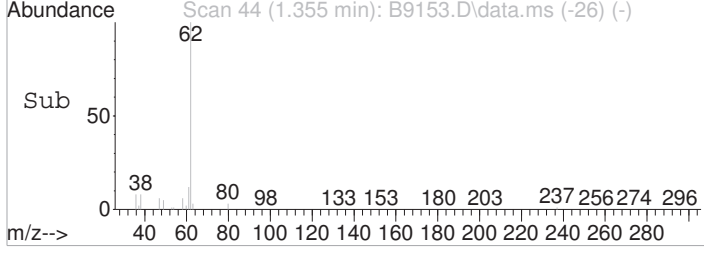
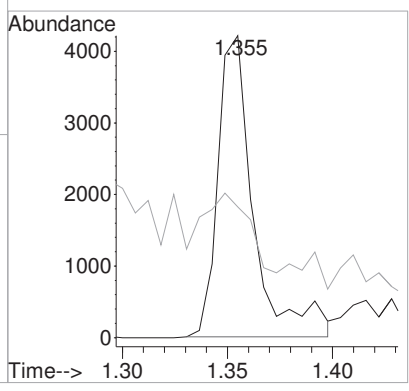
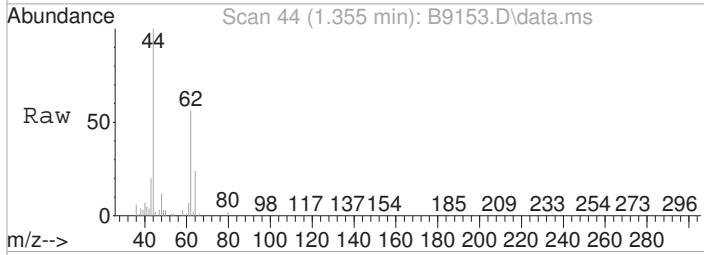
Quant Time: Mar 21 09:59:54 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration





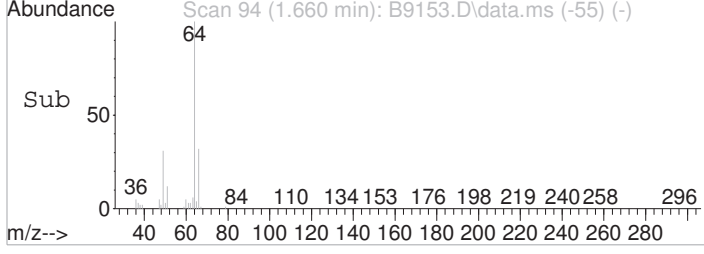
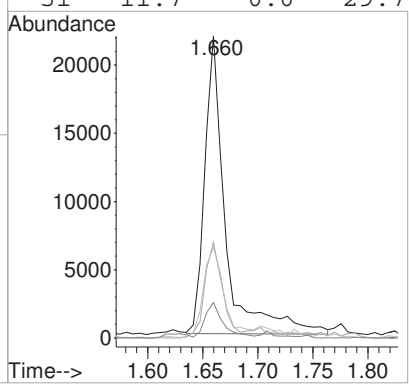
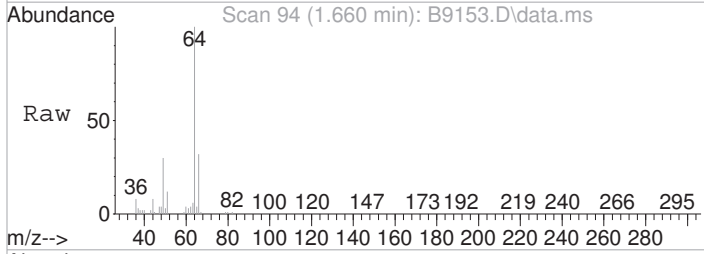
#5
 Vinyl Chloride
 Concen: 1.10 ug/L
 RT: 1.355 min Scan# 44
 Delta R.T. -0.006 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

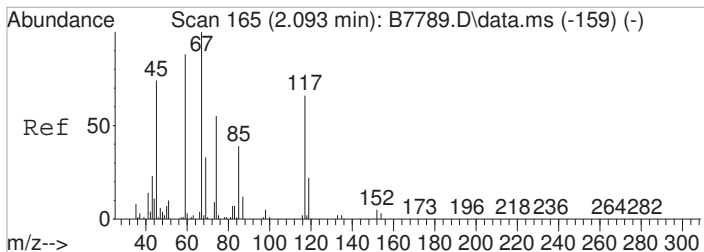
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 4957 | | |
| 64 | 43.3 | 11.2 | 51.2 |



#7
 Chloroethane
 Concen: 12.61 ug/L
 RT: 1.660 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

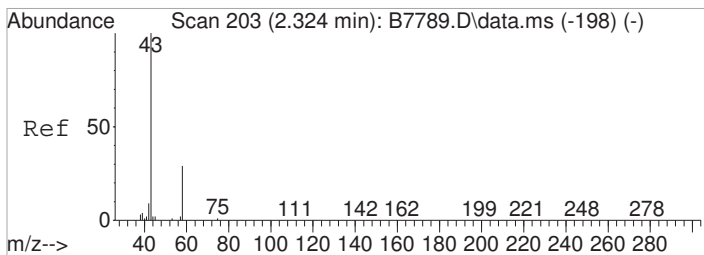
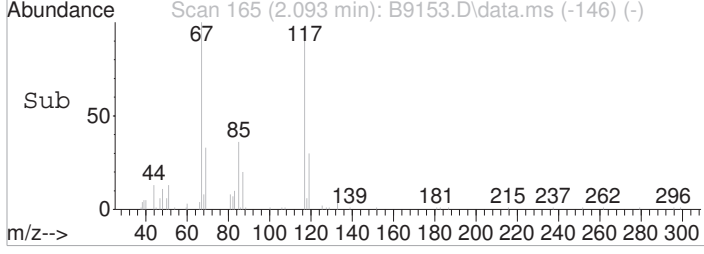
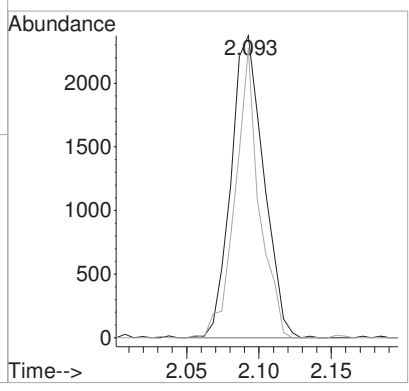
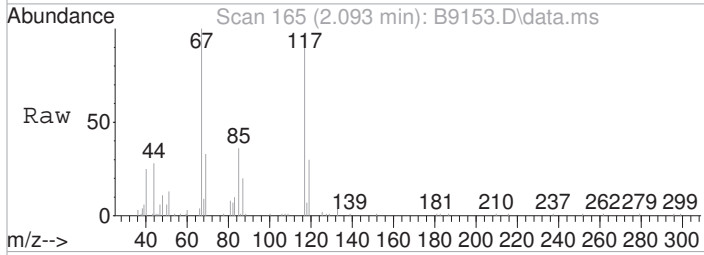
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 64 | 28981 | | |
| 66 | 31.6 | 9.9 | 49.9 |
| 49 | 30.0 | 13.4 | 53.4 |
| 51 | 11.7 | 0.0 | 29.7 |





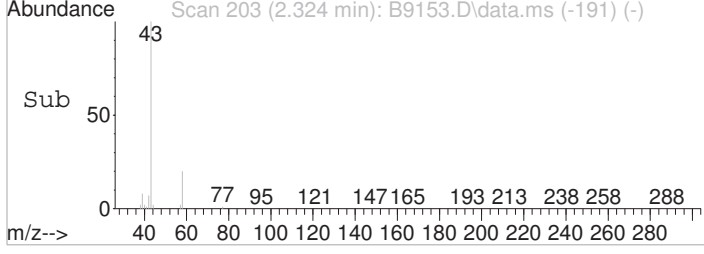
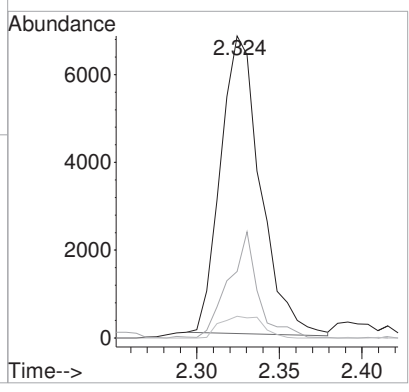
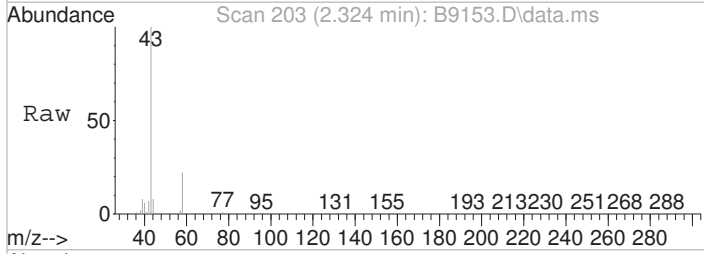
#11
 Freon 123a
 Concen: 1.09 ug/L
 RT: 2.093 min Scan# 165
 Delta R.T. -0.000 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

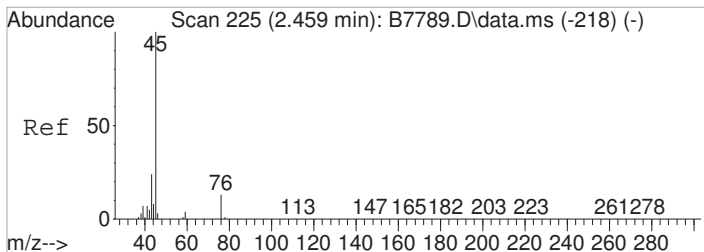
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 67 | 100 | | |
| 117 | 95.8 | 45.9 | 85.9# |



#16
 Acetone
 Concen: 7.53 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

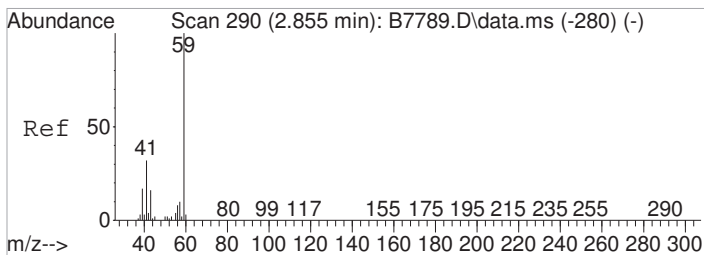
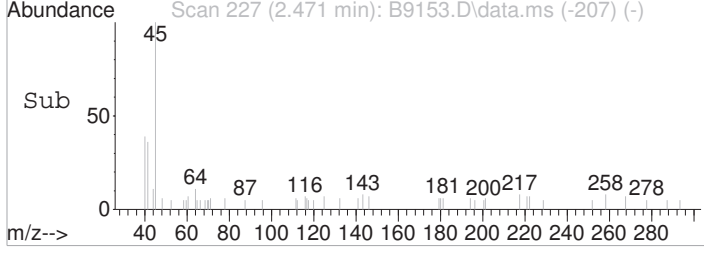
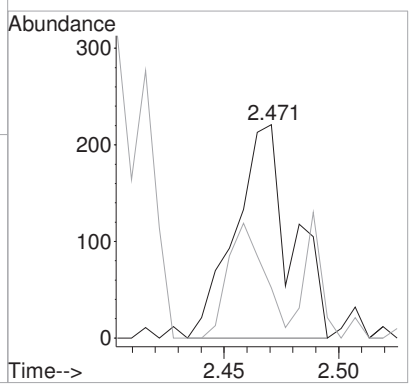
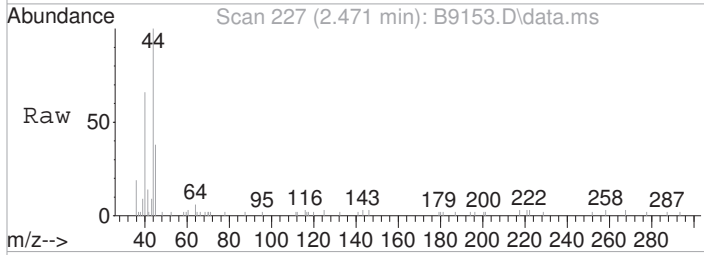
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 22.1 | 8.5 | 48.5 |
| 42 | 7.1 | 0.0 | 29.6 |





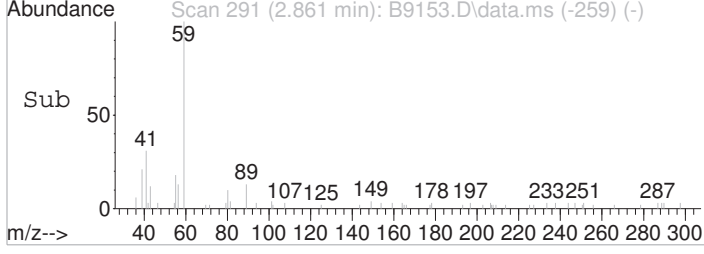
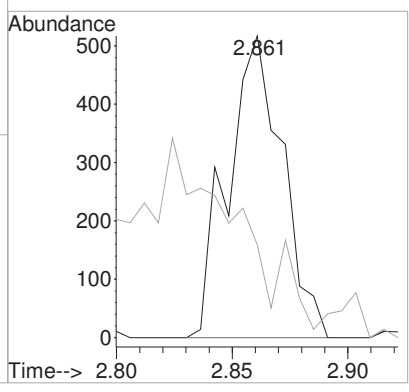
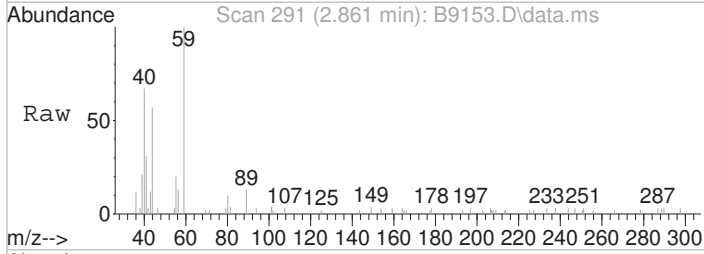
#17
 2-Propanol
 Concen: 1.39 ug/L m
 RT: 2.471 min Scan# 227
 Delta R.T. 0.012 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

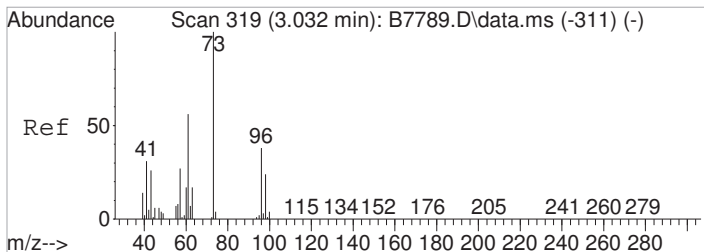
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 100 | | |
| 43 | 23.5 | 3.9 | 43.9 |



#24
 TBA
 Concen: 2.24 ug/L
 RT: 2.861 min Scan# 291
 Delta R.T. 0.006 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

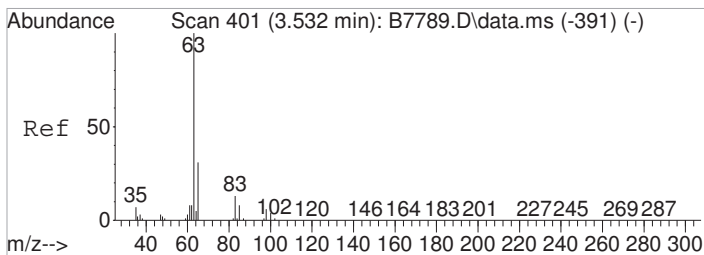
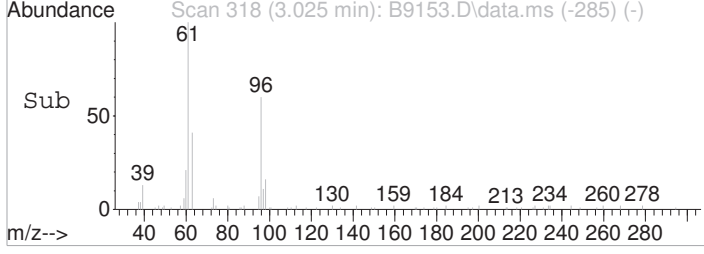
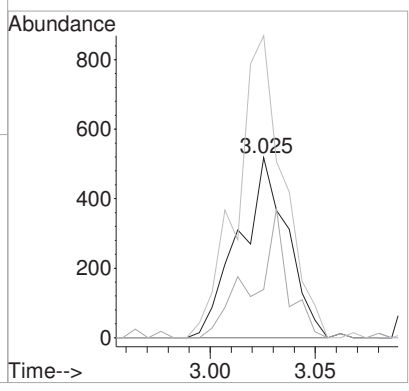
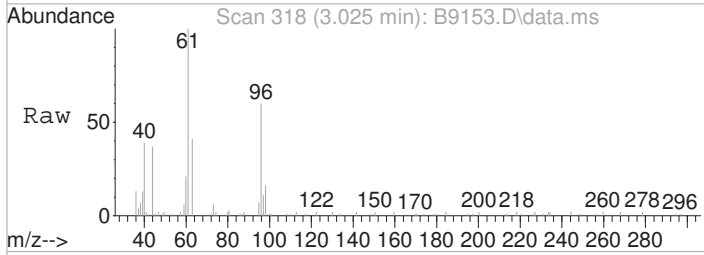
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 59 | 100 | | |
| 41 | 30.8 | 12.8 | 52.8 |





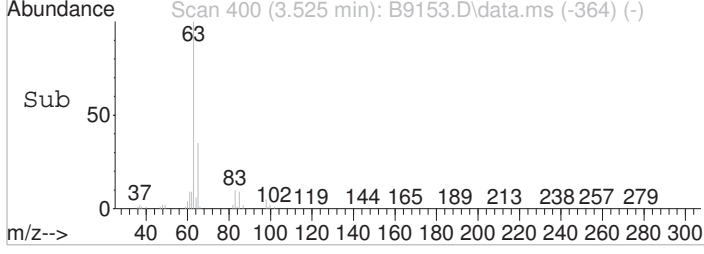
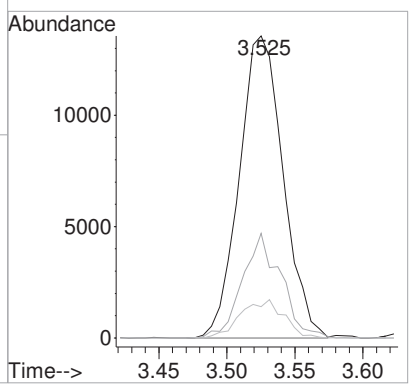
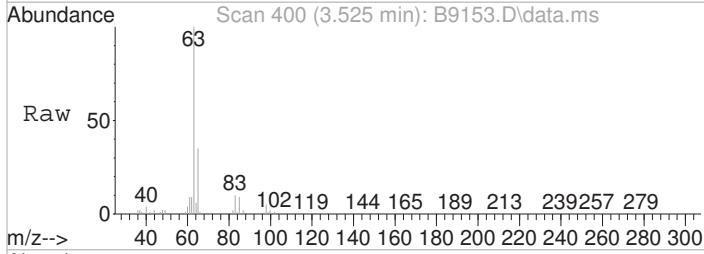
#27
 trans-1,2-Dichloroethene
 Concen: 0.30 ug/L
 RT: 3.025 min Scan# 318
 Delta R.T. -0.006 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

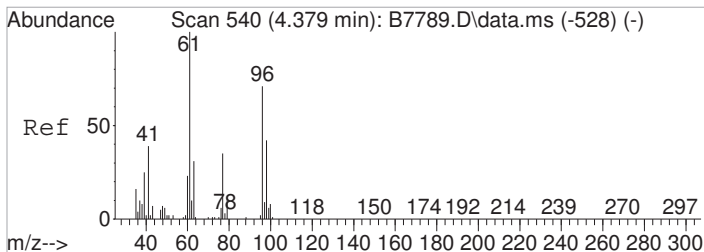
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 98 | 26.8 | 43.5 | 83.5# |
| 61 | 167.8 | 129.2 | 169.2 |



#28
 1,1-Diclcethane
 Concen: 5.70 ug/L
 RT: 3.525 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

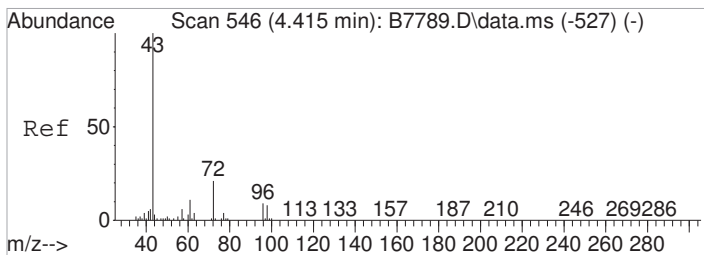
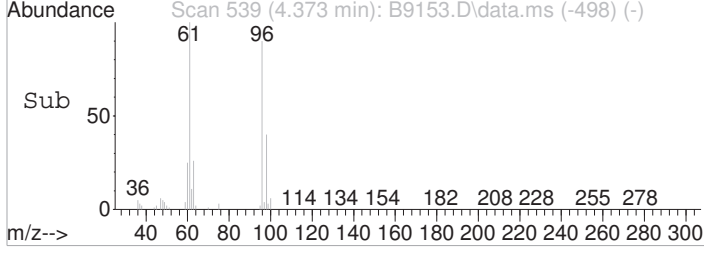
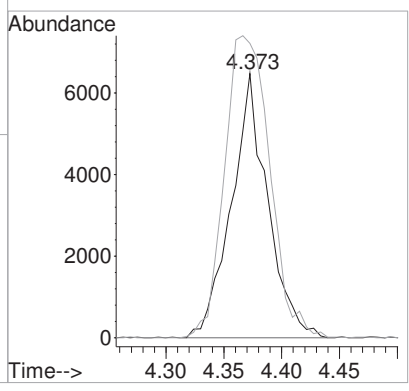
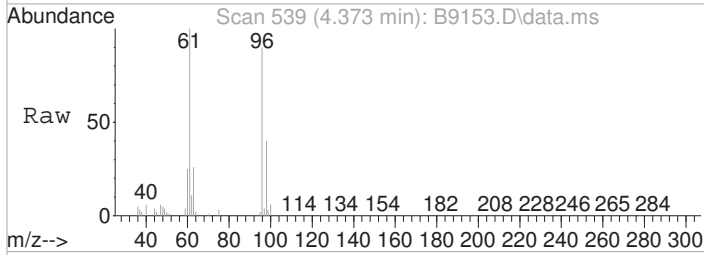
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 34.6 | 11.1 | 51.1 |
| 83 | 10.4 | 0.0 | 33.4 |





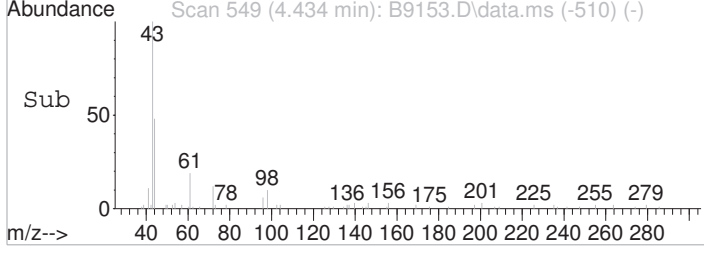
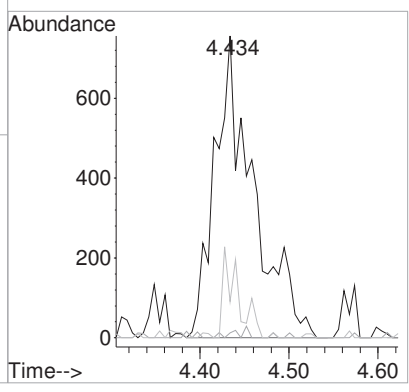
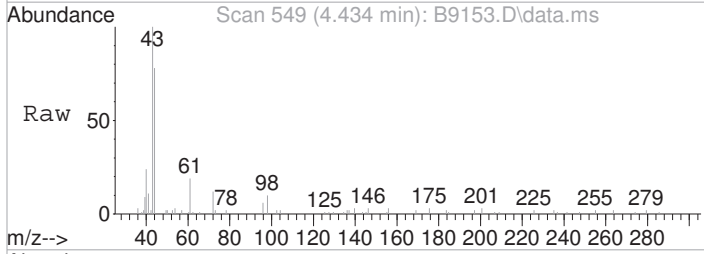
#34
 cis-1,2-Dichloroethene
 Concen: 4.43 ug/L
 RT: 4.373 min Scan# 539
 Delta R.T. -0.006 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

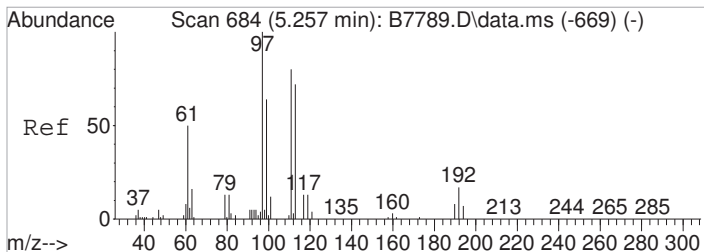
| Tgt Ion: | 96 | Resp: | 14111 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 111.4 | 121.7 | 161.7# |



#35
 2-Butanone
 Concen: 0.90 ug/L
 RT: 4.434 min Scan# 549
 Delta R.T. 0.018 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

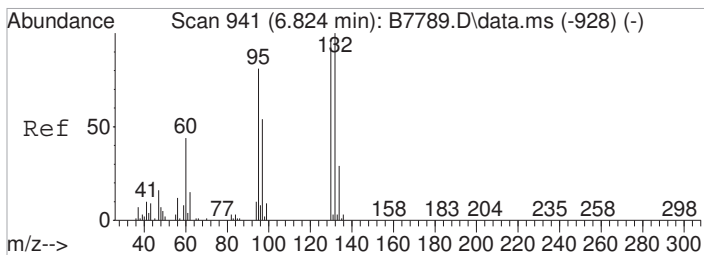
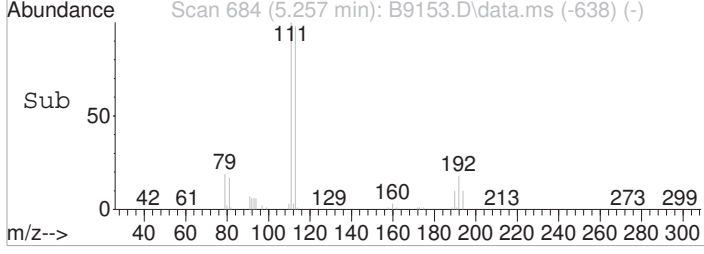
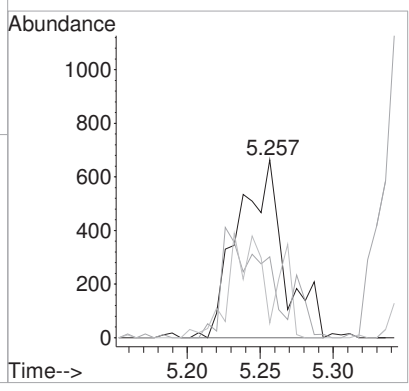
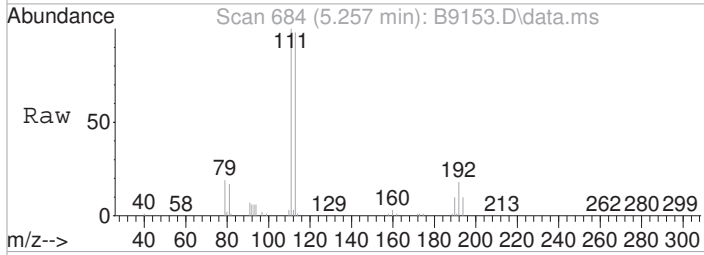
| Tgt Ion: | 43 | Resp: | 2264 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 43 | 100 | | |
| 57 | 1.6 | 0.0 | 26.2 |
| 72 | 12.0 | 1.1 | 41.1 |





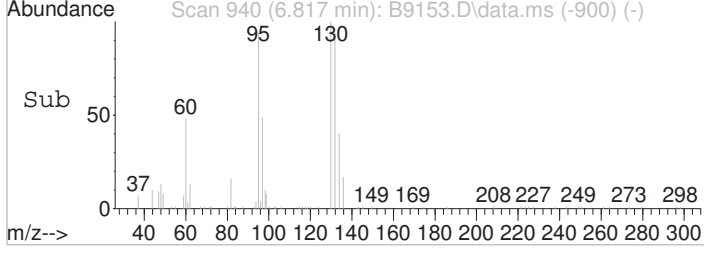
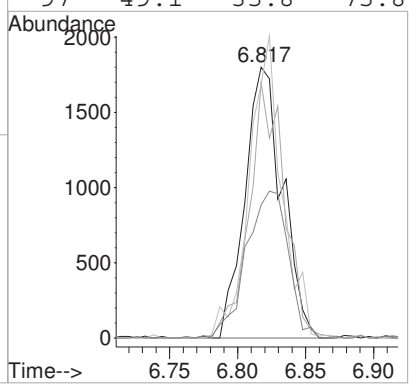
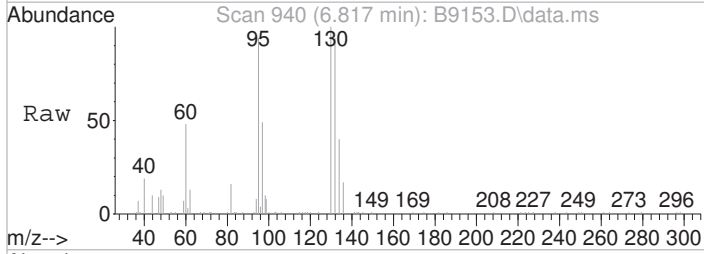
#41
 1,1,1-Trichloroethane
 Concen: 0.39 ug/L m
 RT: 5.257 min Scan# 684
 Delta R.T. -0.000 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 45.6 | 43.8 | 83.8 |
| 61 | 8.3 | 30.4 | 70.4# |



#54
 Trichloroethene
 Concen: 1.04 ug/L
 RT: 6.817 min Scan# 940
 Delta R.T. -0.006 min
 Lab File: B9153.D
 Acq: 20 Mar 2023 7:11 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 130 | 100 | | |
| 132 | 94.4 | 84.1 | 124.1 |
| 95 | 93.7 | 64.6 | 104.6 |
| 97 | 49.1 | 35.8 | 75.8 |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9154.D
 Acq On : 20 Mar 2023 7:34 pm
 Operator : F.NAEGLER
 Sample : R2302309-005|1.0 Inst : MSVOA10
 Misc : VCG 7979 T4
 ALS Vial : 23 Sample Multiplier: 1

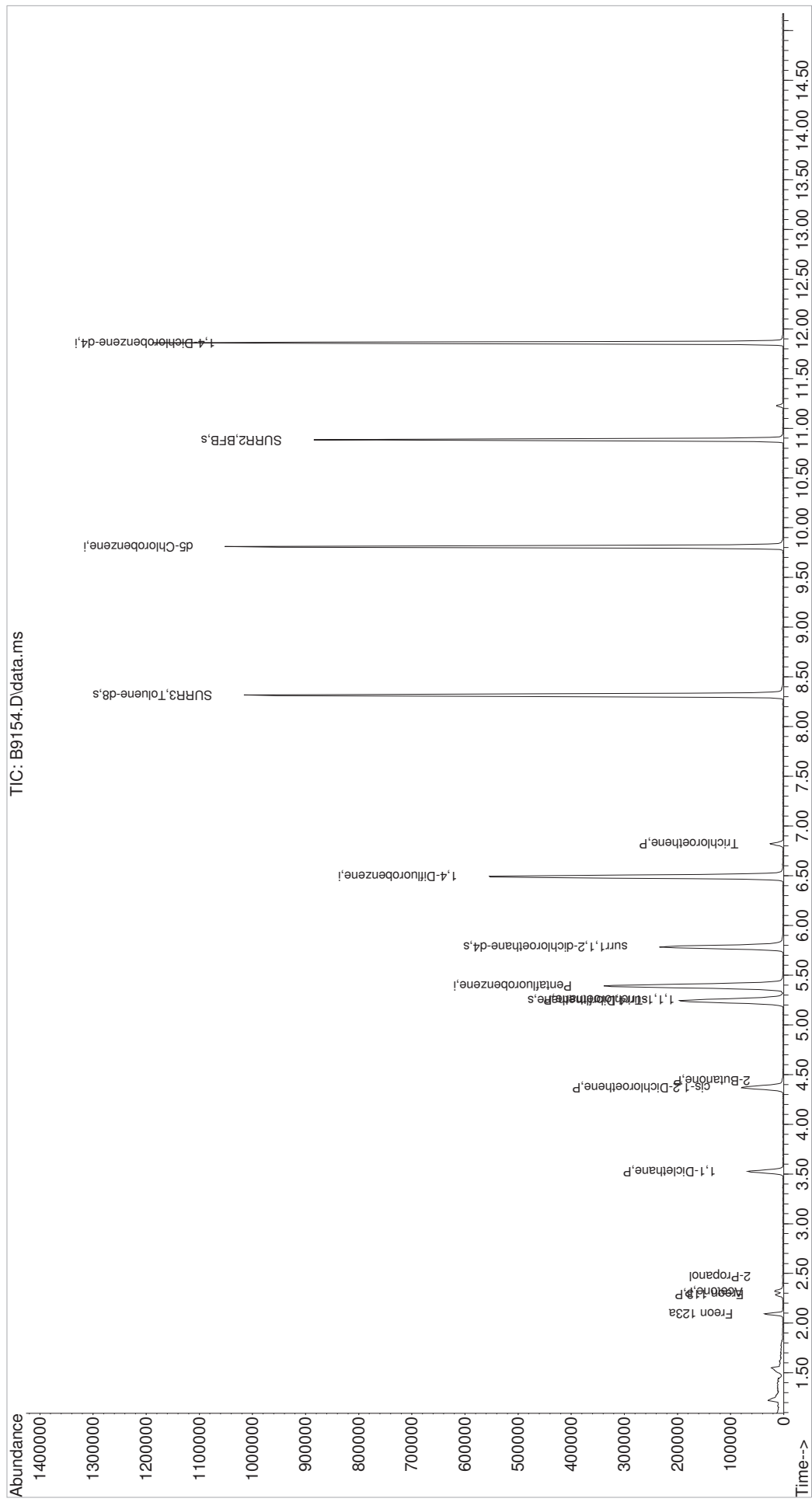
Quant Time: Mar 21 10:01:03 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

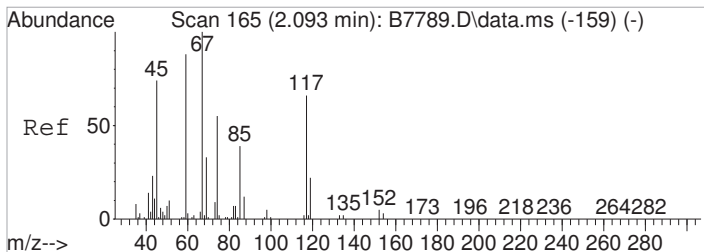
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|------------|-----------|--------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 322397 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 498967 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 456259 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 222830 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.245 | 113 | 152916 | 47.33 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 94.66% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 193634 | 51.58 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 103.16% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 596660 | 47.48 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 94.96% | | |
| 70) SURR2,BFB | 10.884 | 95 | 210371 | 47.42 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 94.84% | | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.636 | 64 | 441 | Below Cal | # | 52 |
| 11) Freon 123a | 2.093 | 67 | 14071 | 4.00 | ug/L | 96 |
| 15) Freon 113 | 2.288 | 101 | 5032 | 1.94 | ug/L | 90 |
| 16) Acetone | 2.318 | 43 | 18112 | 11.64 | ug/L | 90 |
| 17) 2-Propanol | 2.471 | 45 | 335 | 1.21 | ug/L | 97 |
| 28) 1,1-Dicethane | 3.525 | 63 | 69329 | 12.68 | ug/L | 98 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 43393 | 13.31 | ug/L | 95 |
| 35) 2-Butanone | 4.440 | 43 | 3459 | 1.34 | ug/L | 85 |
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 15519 | 4.03 | ug/L | 96 |
| 54) Trichloroethene | 6.824 | 130 | 8274 | 2.46 | ug/L # | 86 |

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

Quantitation Report (QT Reviewed)

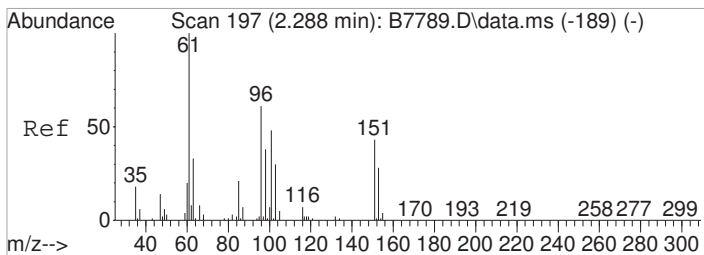
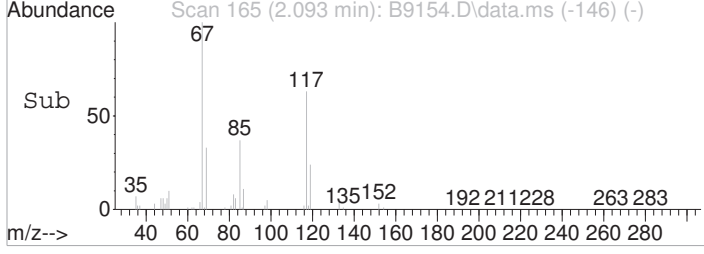
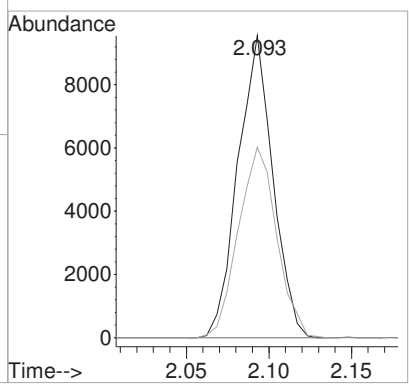
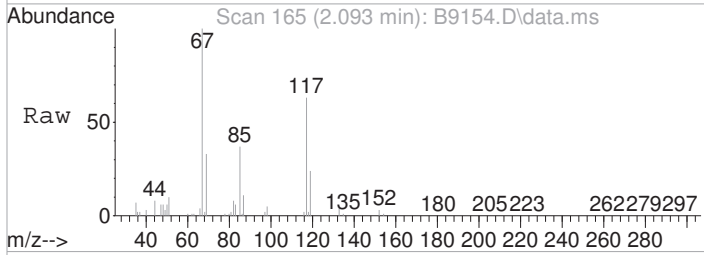
Data Path : I:\ACQDATA\msvoa10\data\032023\
Data File : B9154.D
Acq On : 20 Mar 2023 7:34 pm
Operator : F.NAEGLER
Sample : R2302309-005|1.0
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1
Inst : MSVOA10
Quant Time: Mar 21 10:01:03 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





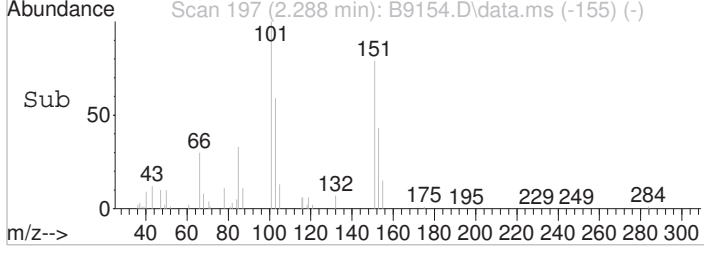
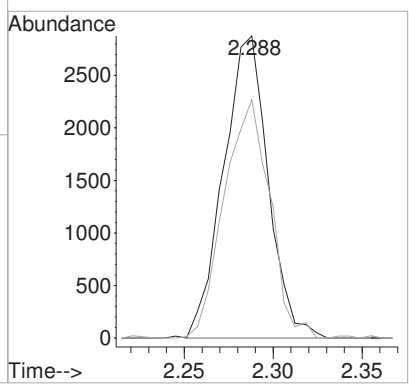
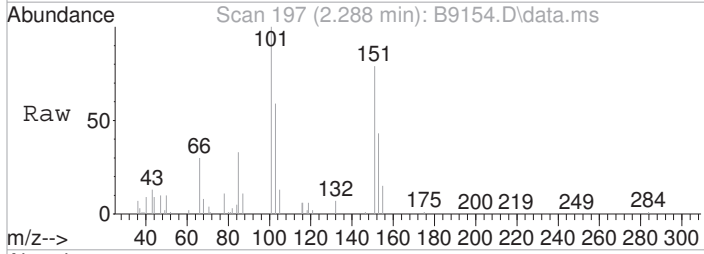
#11
 Freon 123a
 Concen: 4.00 ug/L
 RT: 2.093 min Scan# 165
 Delta R.T. 0.000 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

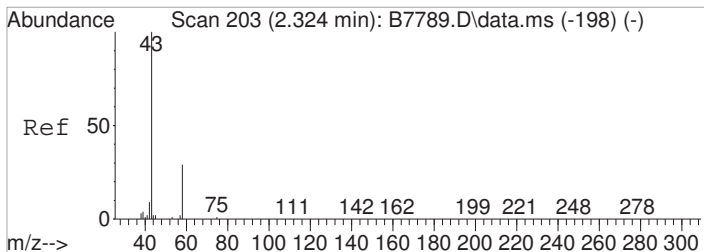
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 67 | 14071 | | |
| 117 | 63.1 | 45.9 | 85.9 |



#15
 Freon 113
 Concen: 1.94 ug/L
 RT: 2.288 min Scan# 197
 Delta R.T. 0.000 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

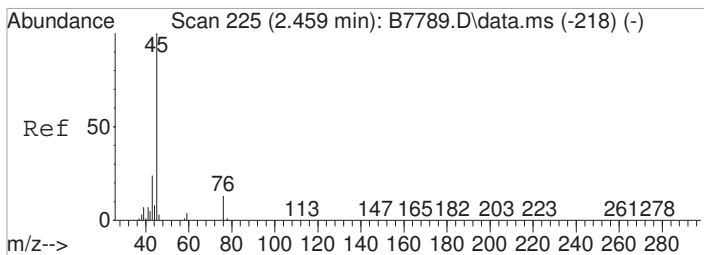
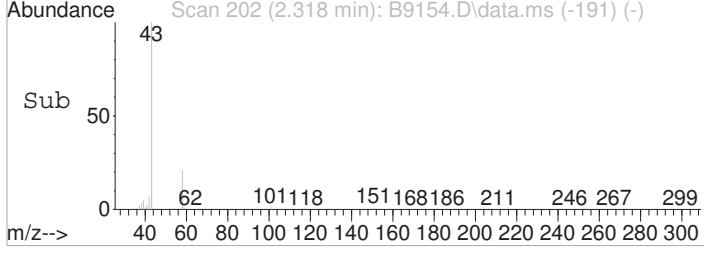
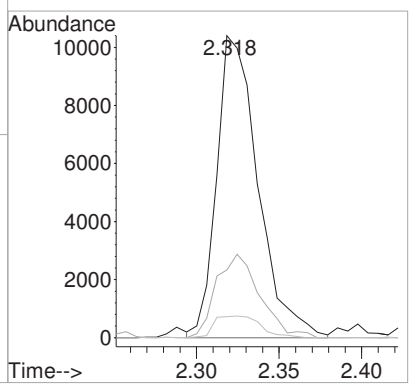
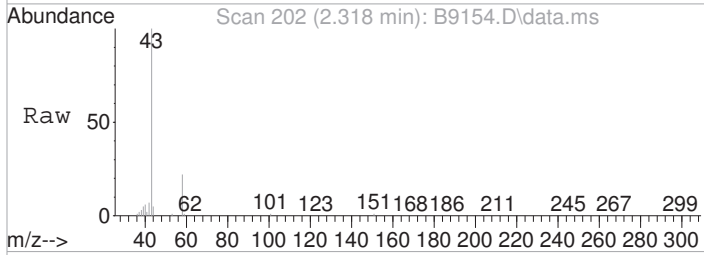
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 101 | 5032 | | |
| 151 | 79.0 | 68.2 | 108.2 |





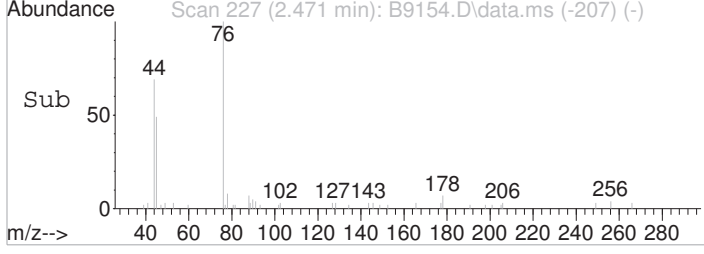
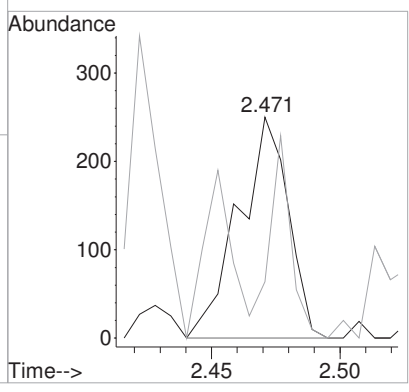
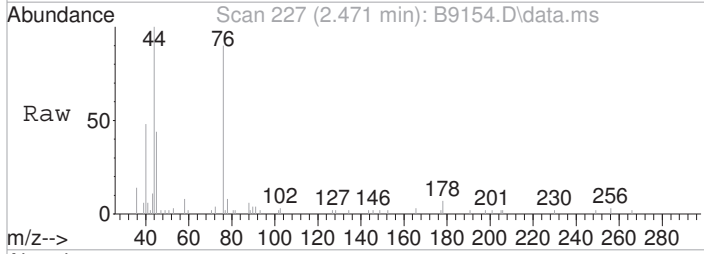
#16
 Acetone
 Concen: 11.64 ug/L
 RT: 2.318 min Scan# 202
 Delta R.T. -0.006 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

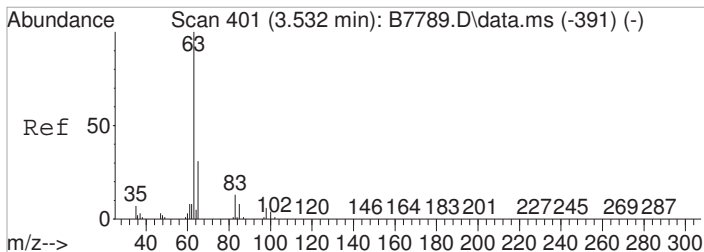
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 18112 | | |
| 58 | 22.5 | 8.5 | 48.5 |
| 42 | 7.0 | 0.0 | 29.6 |



#17
 2-Propanol
 Concen: 1.21 ug/L
 RT: 2.471 min Scan# 227
 Delta R.T. 0.012 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

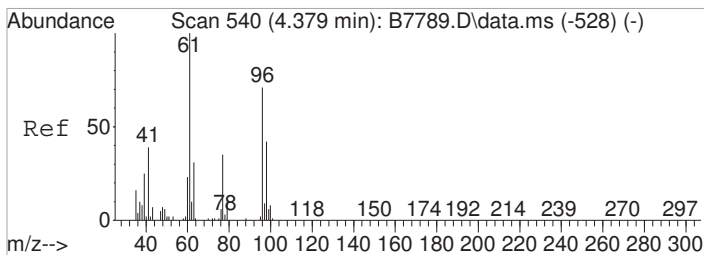
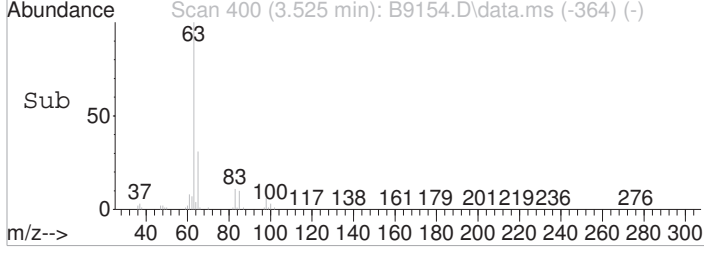
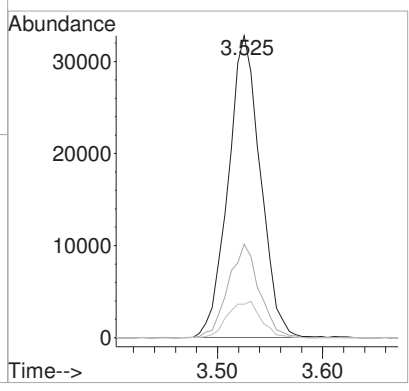
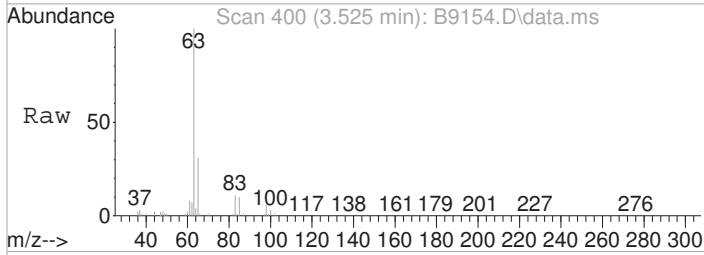
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 335 | | |
| 43 | 25.6 | 3.9 | 43.9 |





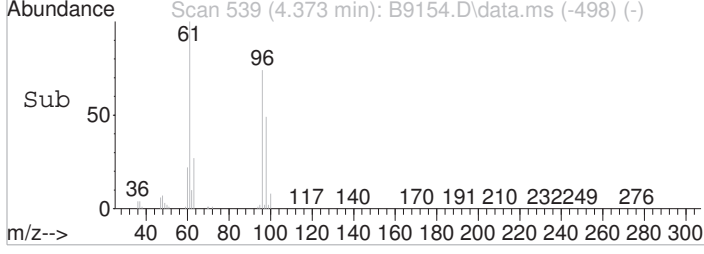
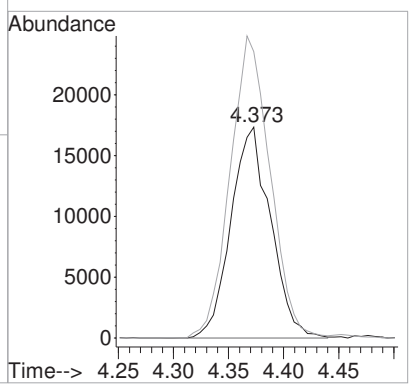
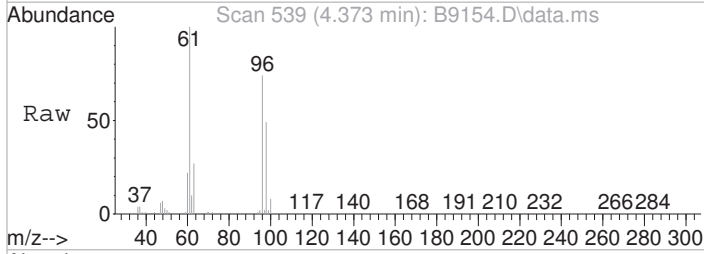
#28
 1,1-Dicloroethane
 Concen: 12.68 ug/L
 RT: 3.525 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

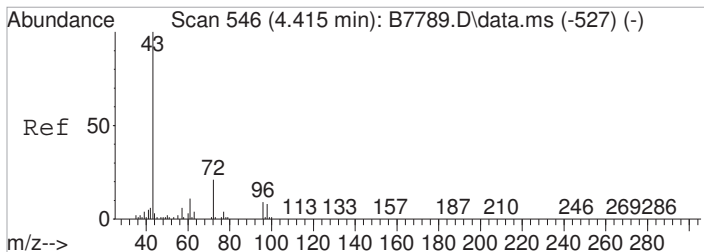
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 30.9 | 11.1 | 51.1 |
| 83 | 11.1 | 0.0 | 33.4 |



#34
 cis-1,2-Dichloroethene
 Concen: 13.31 ug/L
 RT: 4.373 min Scan# 539
 Delta R.T. -0.006 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

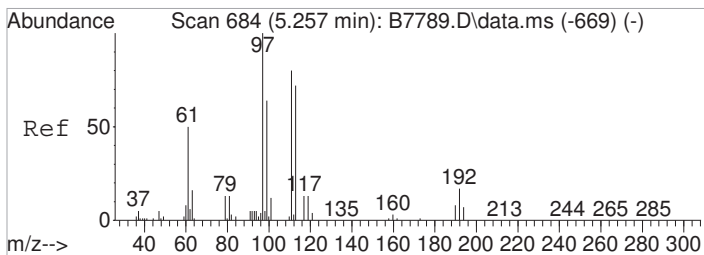
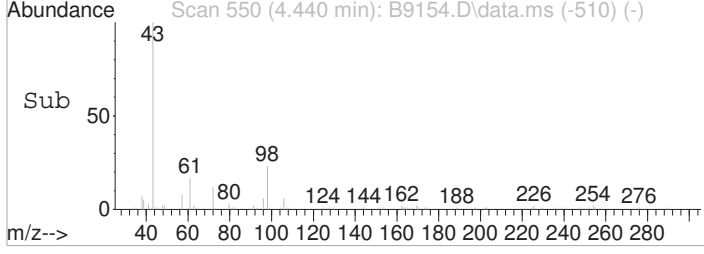
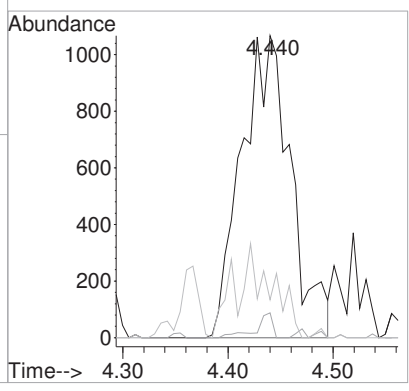
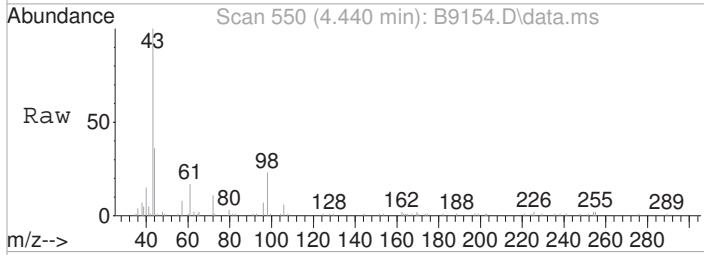
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 135.8 | 121.7 | 161.7 |





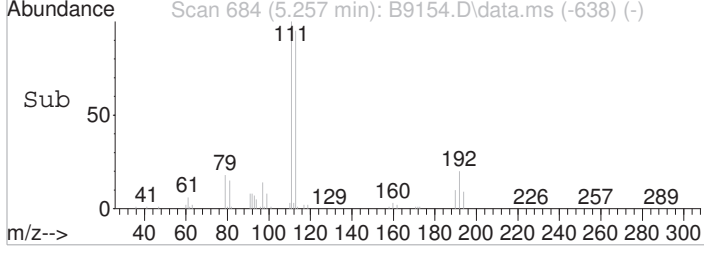
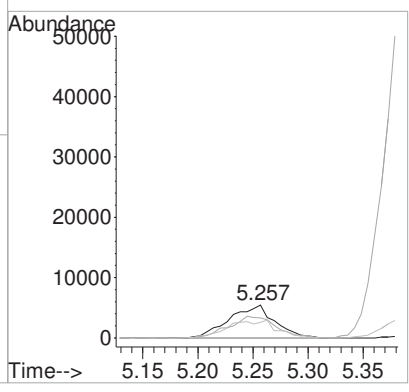
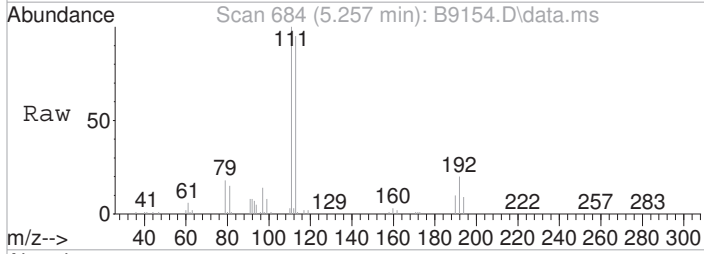
#35
 2-Butanone
 Concen: 1.34 ug/L
 RT: 4.440 min Scan# 550
 Delta R.T. 0.024 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

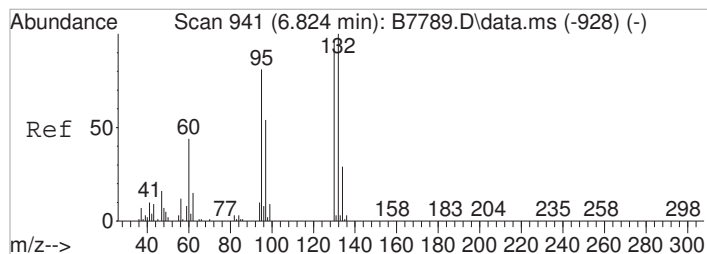
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 3459 | | |
| 57 | 8.2 | 0.0 | 26.2 |
| 72 | 12.6 | 1.1 | 41.1 |



#41
 1,1,1-Trichloroethane
 Concen: 4.03 ug/L
 RT: 5.257 min Scan# 684
 Delta R.T. 0.000 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

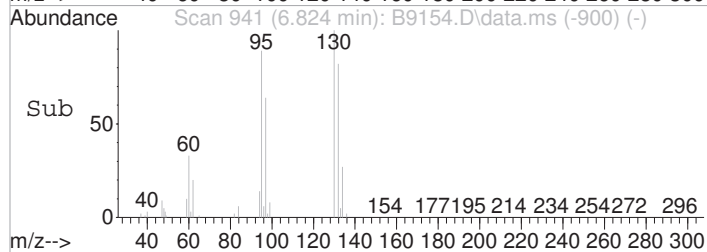
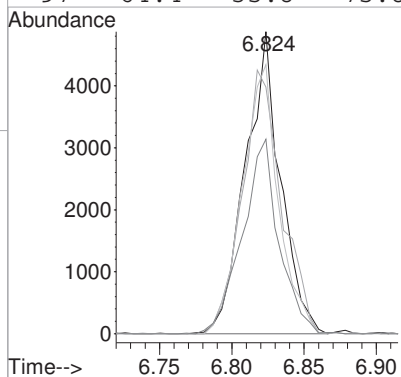
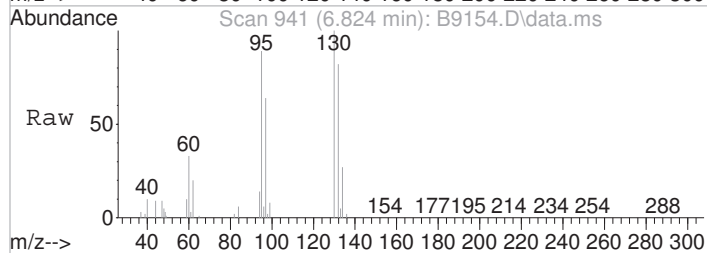
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 97 | 15519 | | |
| 99 | 61.1 | 43.8 | 83.8 |
| 61 | 47.3 | 30.4 | 70.4 |





#54
 Trichloroethene
 Concen: 2.46 ug/L
 RT: 6.824 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: B9154.D
 Acq: 20 Mar 2023 7:34 pm

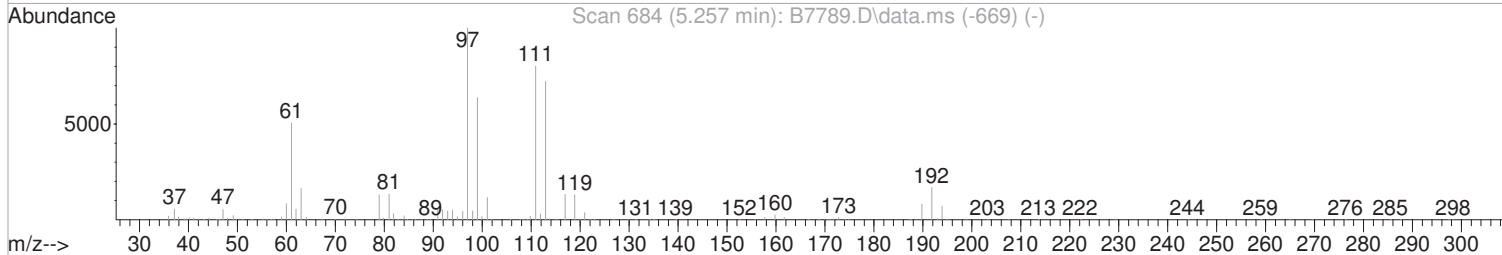
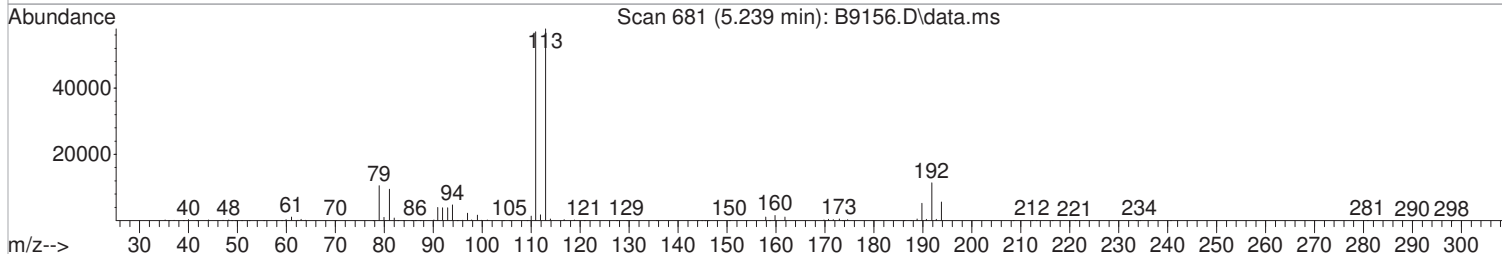
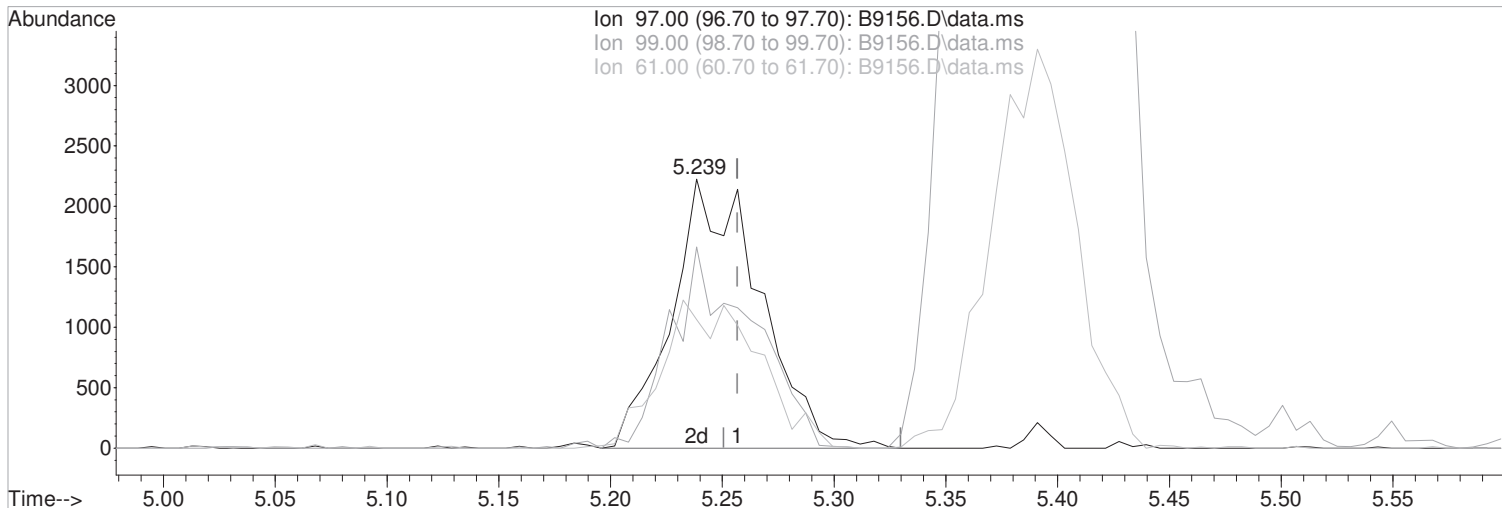
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 130 | 100 | | |
| 132 | 81.6 | 84.1 | 124.1# |
| 95 | 89.1 | 64.6 | 104.6 |
| 97 | 64.4 | 35.8 | 75.8 |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9156.D
Acq On : 20 Mar 2023 8:20 pm
Operator : F.NAEGLER
Sample : R2302309-007|1.0
Misc : VCG 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 08:41:29 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9156.D\data.ms

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

5.239min (-0.018) 1.60 ug/L m

response 6070

| Ion | Exp% | Act% |
|-------|-------|-------|
| 97.00 | 100 | 100 |
| 99.00 | 63.80 | 74.79 |
| 61.00 | 50.40 | 47.87 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

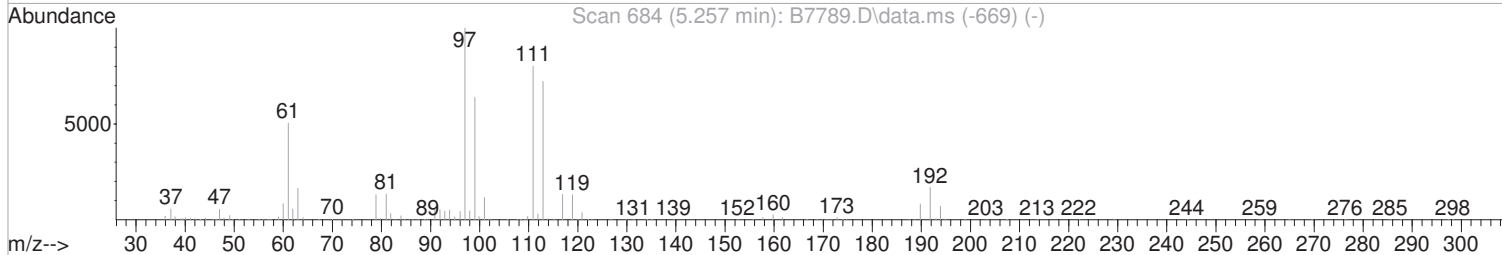
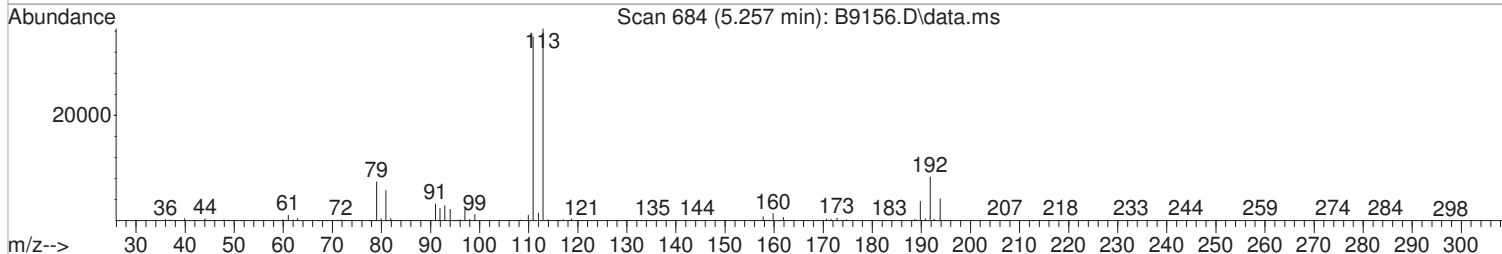
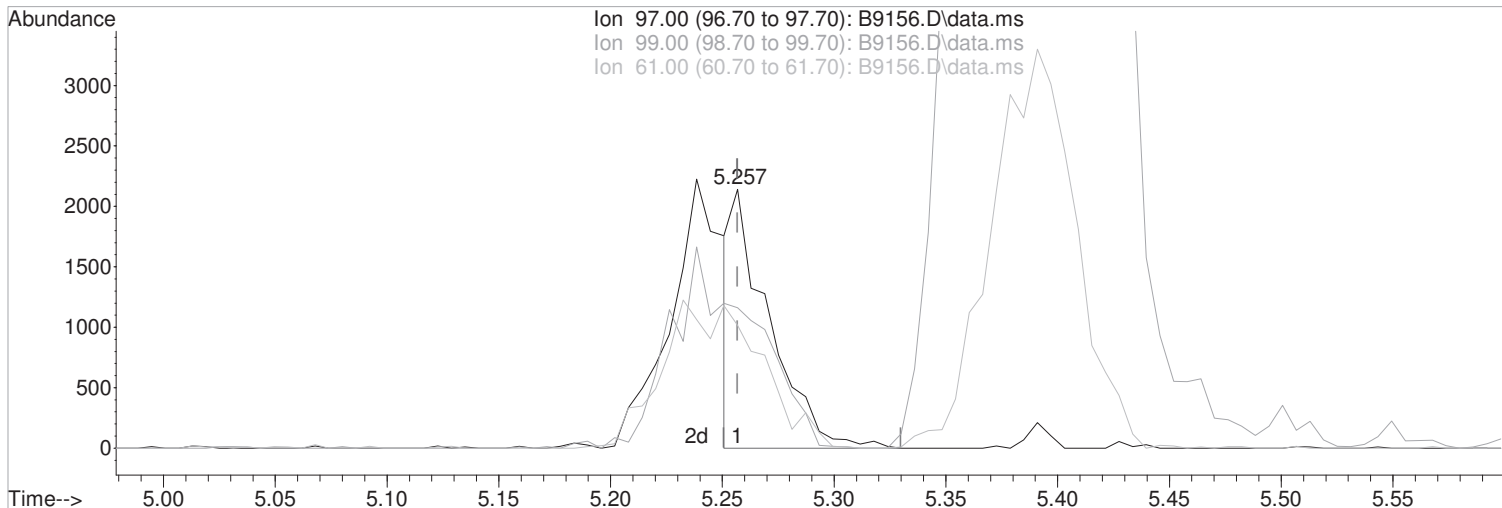
After

Poor integration.

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9156.D
Acq On : 20 Mar 2023 8:20 pm
Operator : F.NAEGLER
Sample : R2302309-007|1.0
Misc : VCG 7979 T4
ALS Vial : 25 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Mar 21 08:41:29 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



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

5.257min (-0.000) 0.66 ug/L

response 2501

| Ion | Exp% | Act% |
|-------|-------|-------|
| 97.00 | 100 | 100 |
| 99.00 | 63.80 | 54.20 |
| 61.00 | 50.40 | 47.48 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

Before

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9156.D
 Acq On : 20 Mar 2023 8:20 pm
 Operator : F.NAEGLER
 Sample : R2302309-007|1.0 Inst : MSVOA10
 Misc : VCG 7979 T4
 ALS Vial : 25 Sample Multiplier: 1

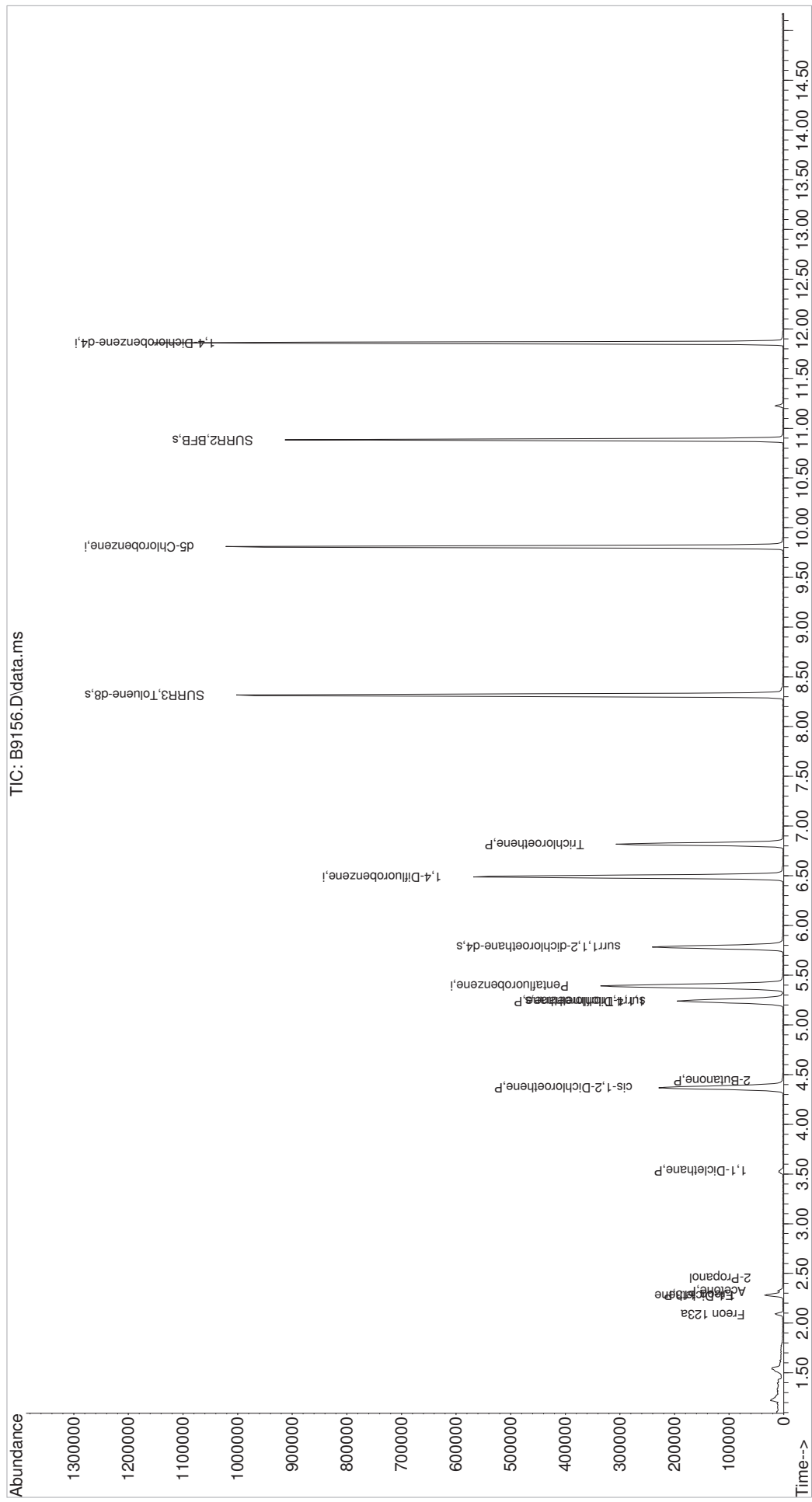
Quant Time: Mar 21 10:24:17 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

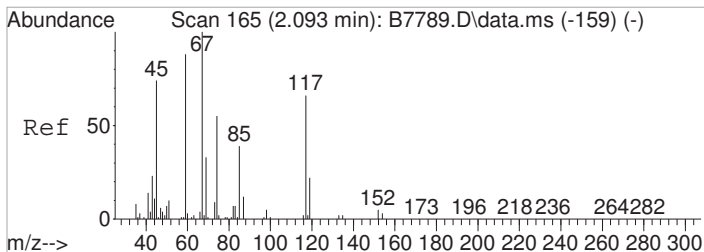
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|------------|---------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 317903 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 496750 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 454059 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 223623 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.239 | 113 | 154204 | 47.95 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 95.90% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 192940 | 51.62 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 103.24% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 605564 | 48.40 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 96.80% | | |
| 70) SURR2,BFB | 10.884 | 95 | 215808 | 48.86 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 97.72% | | |
| Target Compounds | | | | | | |
| 11) Freon 123a | 2.087 | 67 | 6294 | 1.82 | ug/L | 86 |
| 14) 1,1-Dicethene | 2.276 | 96 | 1615 | 0.64 | ug/L | 95 |
| 15) Freon 113 | 2.282 | 101 | 10455 | 4.10 | ug/L | 97 |
| 16) Acetone | 2.324 | 43 | 9301 | 6.06 | ug/L | 96 |
| 17) 2-Propanol | 2.452 | 45 | 442 | 1.62 | ug/L | 80 |
| 28) 1,1-Dicethane | 3.532 | 63 | 8589 | 1.59 | ug/L | 94 |
| 34) cis-1,2-Dichloroethene | 4.373 | 96 | 120766 | 37.57 | ug/L | 97 |
| 35) 2-Butanone | 4.440 | 43 | 1953 | 0.77 | ug/L | 69 |
| 41) 1,1,1-Trichloroethane | 5.239 | 97 | 6070m | 1.60 | ug/L | |
| 54) Trichloroethene | 6.817 | 130 | 106946 | 31.92 | ug/L | 93 |

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

Quantitation Report (QT Reviewed)

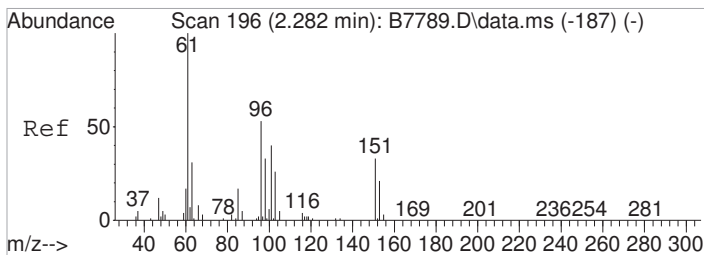
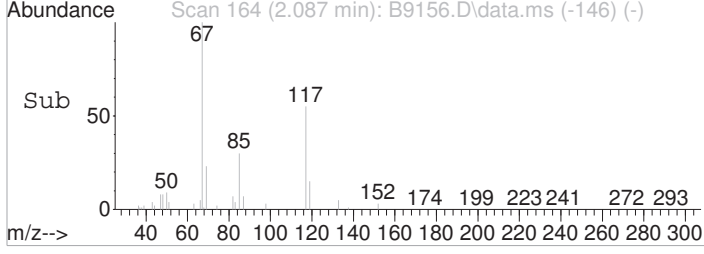
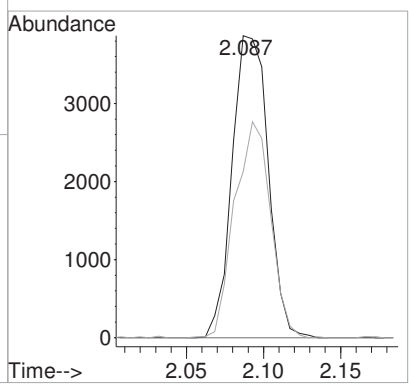
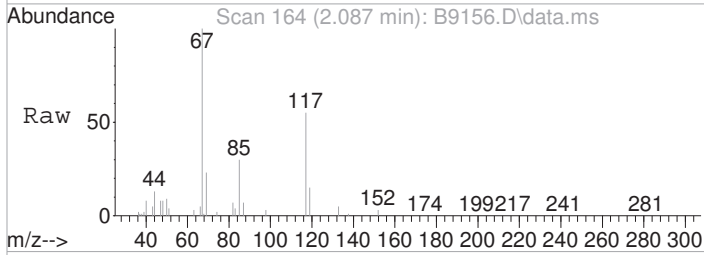
Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9156.D
Acq On : 20 Mar 2023 8:20 pm
Operator : F.NAEGLER
Sample : R2302309-007|1.0
Misc : VCG 7979 T4
ALS Vial : 25 Sample Multiplier: 1
Inst : MSVOA10
Quant Time: Mar 21 10:24:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





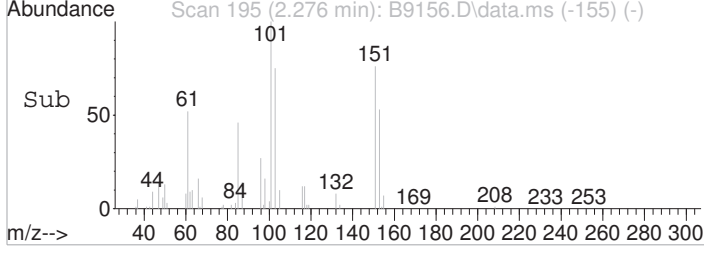
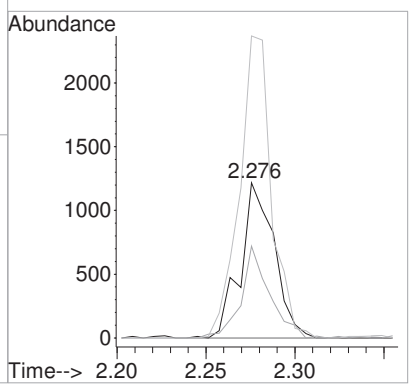
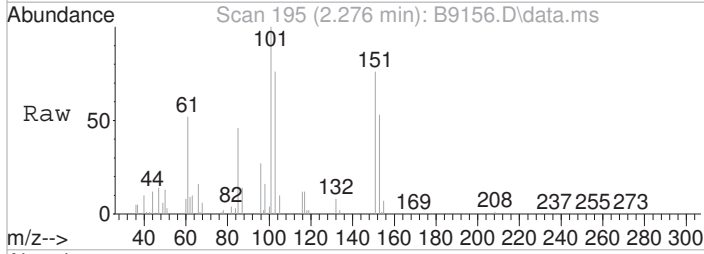
#11
 Freon 123a
 Concen: 1.82 ug/L
 RT: 2.087 min Scan# 164
 Delta R.T. -0.006 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

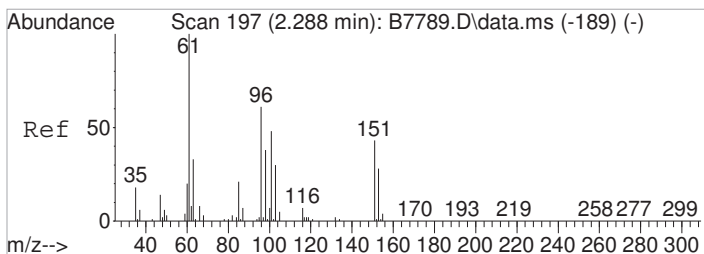
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 67 | 6294 | | |
| 67 | 100 | | |
| 117 | 54.9 | 45.9 | 85.9 |



#14
 1,1-Diclcethene
 Concen: 0.64 ug/L
 RT: 2.276 min Scan# 195
 Delta R.T. -0.006 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

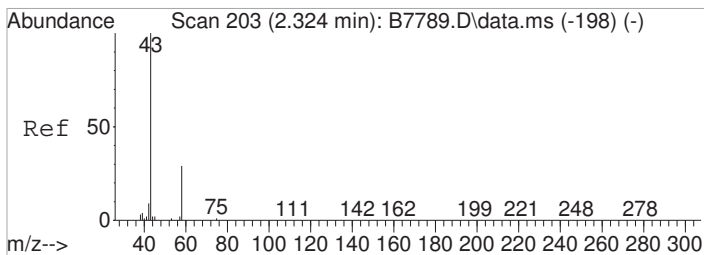
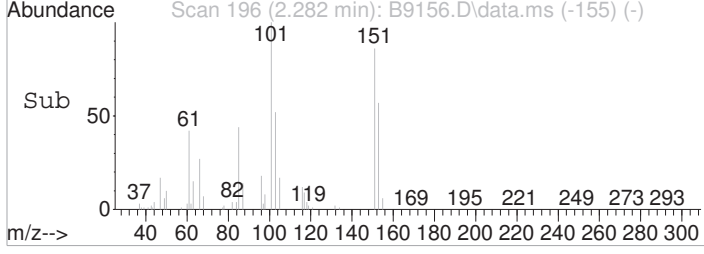
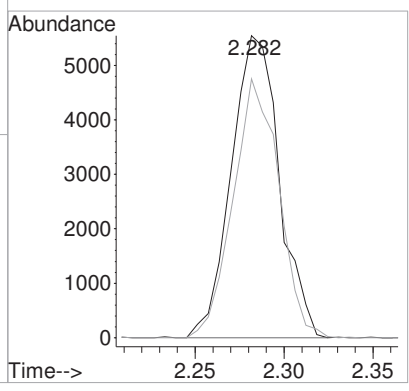
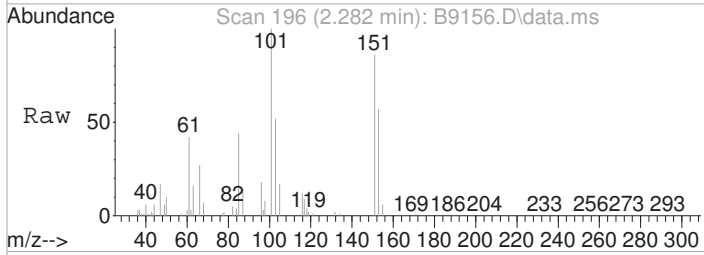
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 96 | 1615 | | |
| 96 | 100 | | |
| 98 | 59.0 | 41.1 | 81.1 |
| 61 | 194.5 | 167.1 | 207.1 |





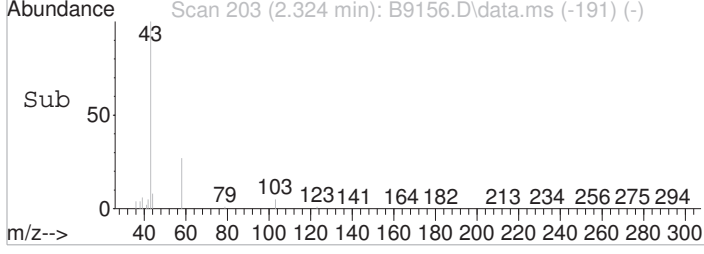
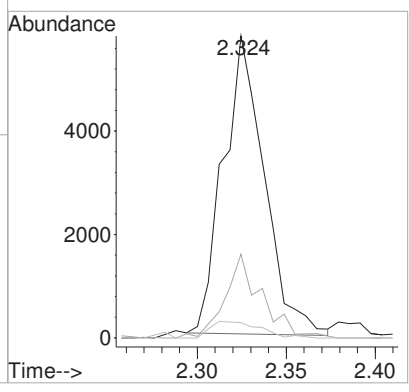
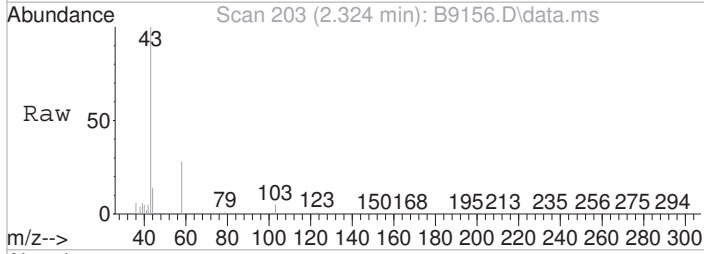
#15
 Freon 113
 Concen: 4.10 ug/L
 RT: 2.282 min Scan# 196
 Delta R.T. -0.006 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

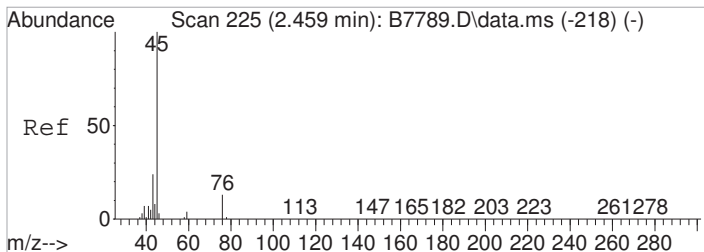
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 101 | 10455 | | |
| 101 | 100 | | |
| 151 | 85.7 | 68.2 | 108.2 |



#16
 Acetone
 Concen: 6.06 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

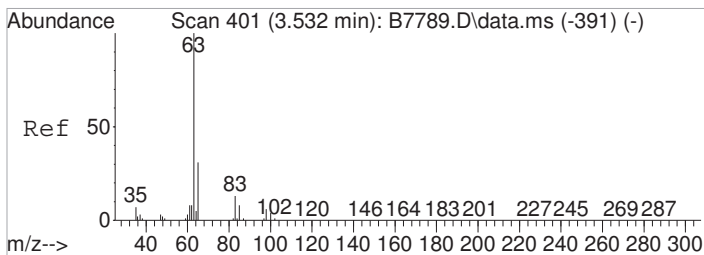
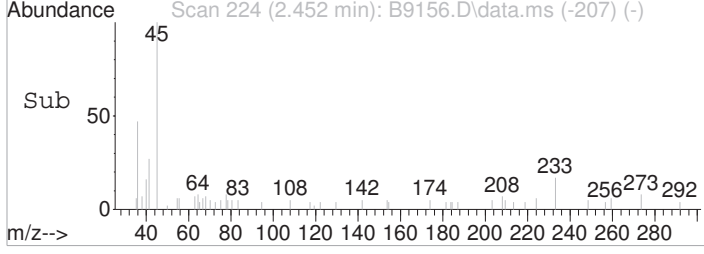
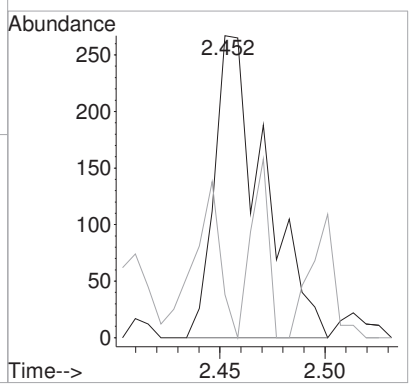
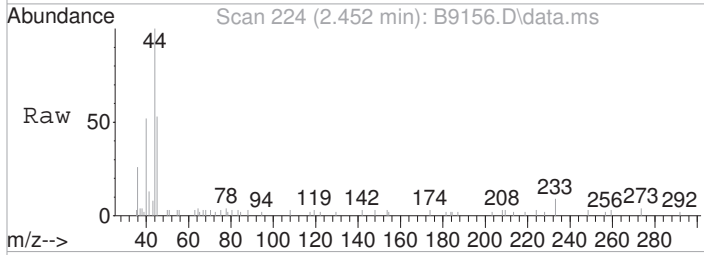
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 9301 | | |
| 43 | 100 | | |
| 58 | 27.7 | 8.5 | 48.5 |
| 42 | 5.1 | 0.0 | 29.6 |





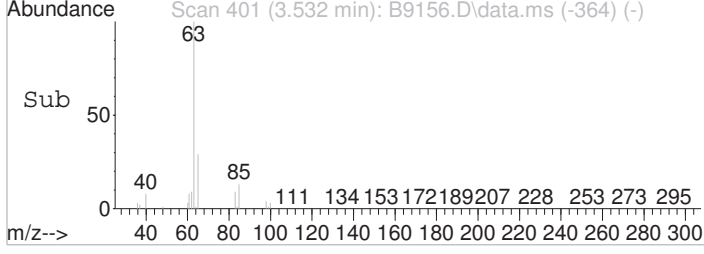
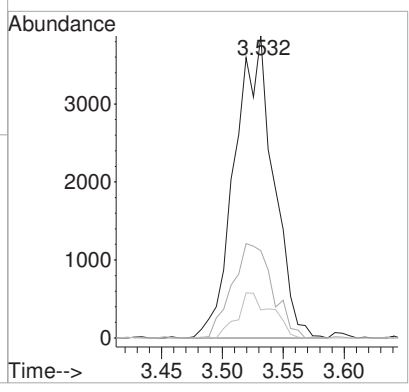
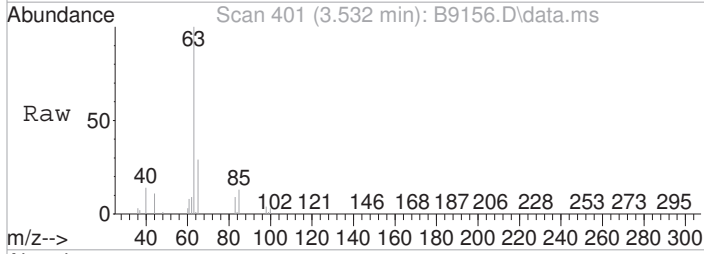
#17
 2-Propanol
 Concen: 1.62 ug/L
 RT: 2.452 min Scan# 224
 Delta R.T. -0.006 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

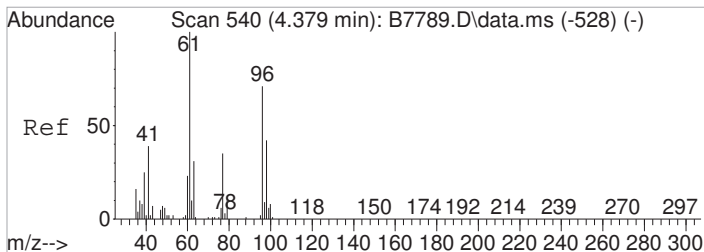
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 100 | | |
| 43 | 14.2 | 3.9 | 43.9 |



#28
 1,1-Dicethane
 Concen: 1.59 ug/L
 RT: 3.532 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

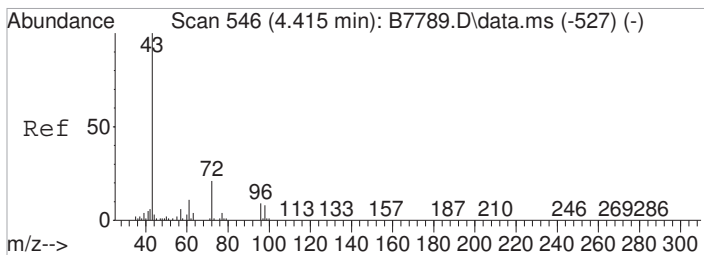
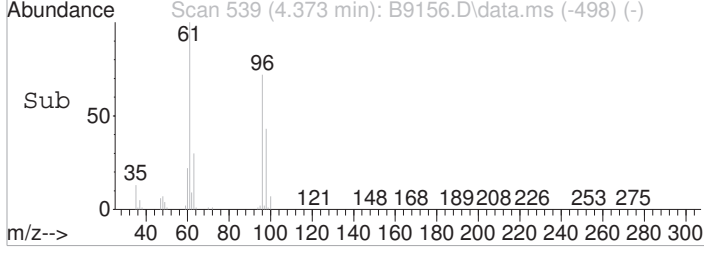
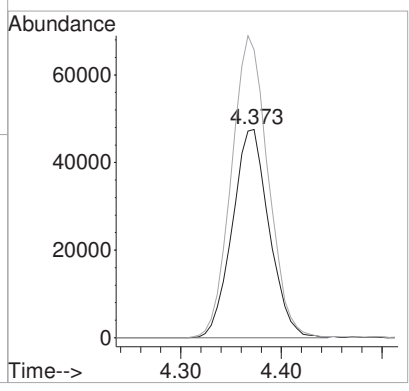
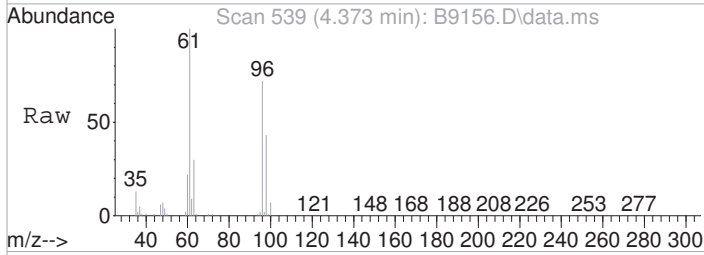
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 28.9 | 11.1 | 51.1 |
| 83 | 9.3 | 0.0 | 33.4 |





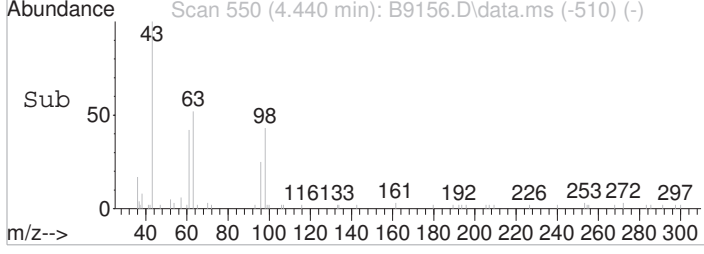
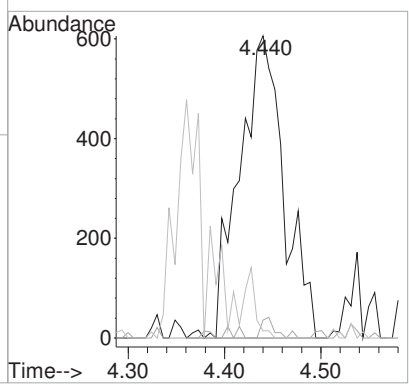
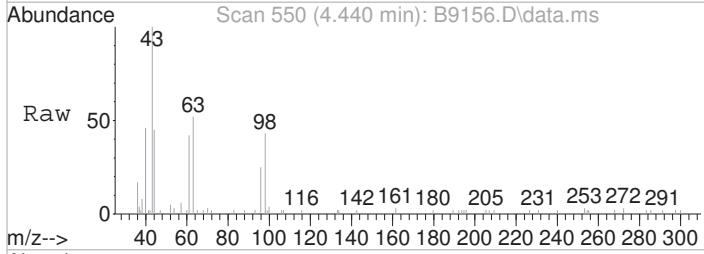
#34
 cis-1,2-Dichloroethene
 Concen: 37.57 ug/L
 RT: 4.373 min Scan# 539
 Delta R.T. -0.006 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

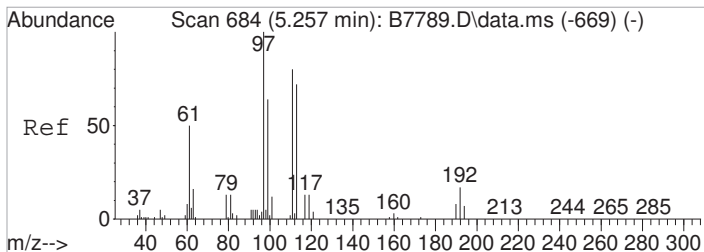
| Tgt Ion: | 96 | Resp: | 120766 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 138.2 | 121.7 | 161.7 |



#35
 2-Butanone
 Concen: 0.77 ug/L
 RT: 4.440 min Scan# 550
 Delta R.T. 0.024 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

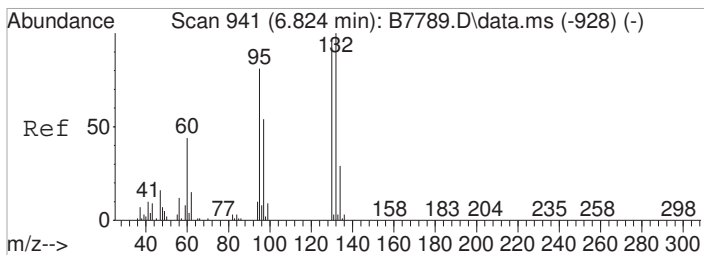
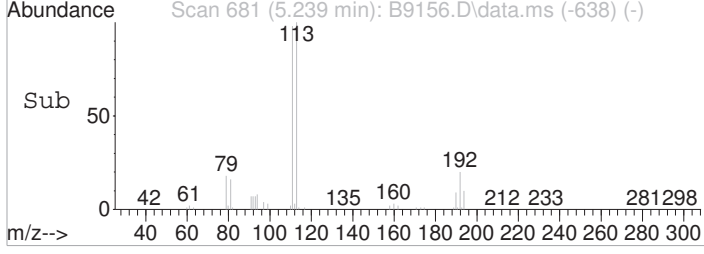
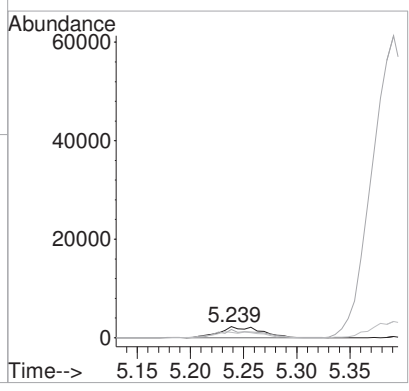
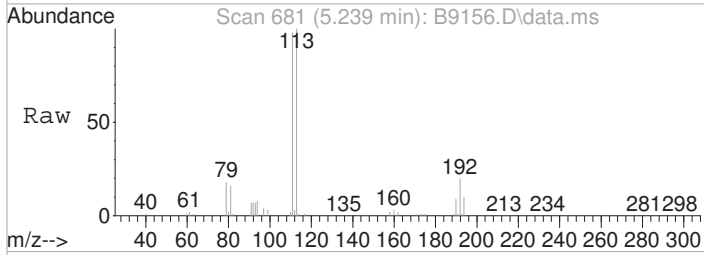
| Tgt Ion: | 43 | Resp: | 1953 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 43 | 100 | | |
| 57 | 5.9 | 0.0 | 26.2 |
| 72 | 2.3 | 1.1 | 41.1 |





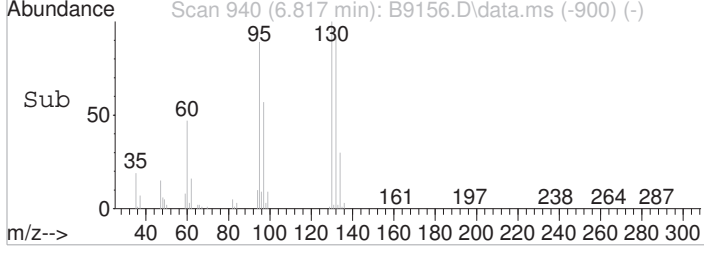
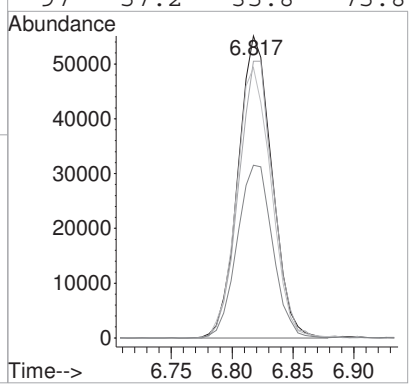
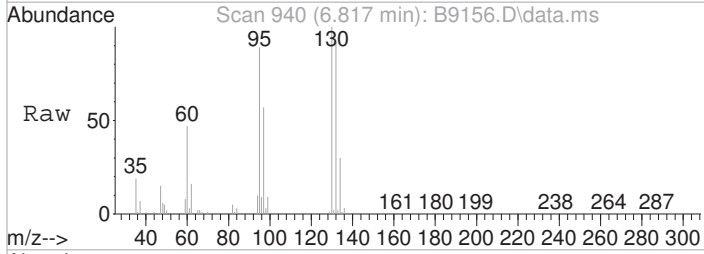
#41
 1,1,1-Trichloroethane
 Concen: 1.60 ug/L m
 RT: 5.239 min Scan# 681
 Delta R.T. -0.018 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 74.8 | 43.8 | 83.8 |
| 61 | 47.9 | 30.4 | 70.4 |



#54
 Trichloroethene
 Concen: 31.92 ug/L
 RT: 6.817 min Scan# 940
 Delta R.T. -0.006 min
 Lab File: B9156.D
 Acq: 20 Mar 2023 8:20 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 130 | 100 | | |
| 132 | 91.6 | 84.1 | 124.1 |
| 95 | 89.5 | 64.6 | 104.6 |
| 97 | 57.2 | 35.8 | 75.8 |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9155.D
 Acq On : 20 Mar 2023 7:57 pm
 Operator : F.NAEGLER
 Sample : R2302309-008|1.0 Inst : MSVOA10
 Misc : VCG 7979 T4
 ALS Vial : 24 Sample Multiplier: 1

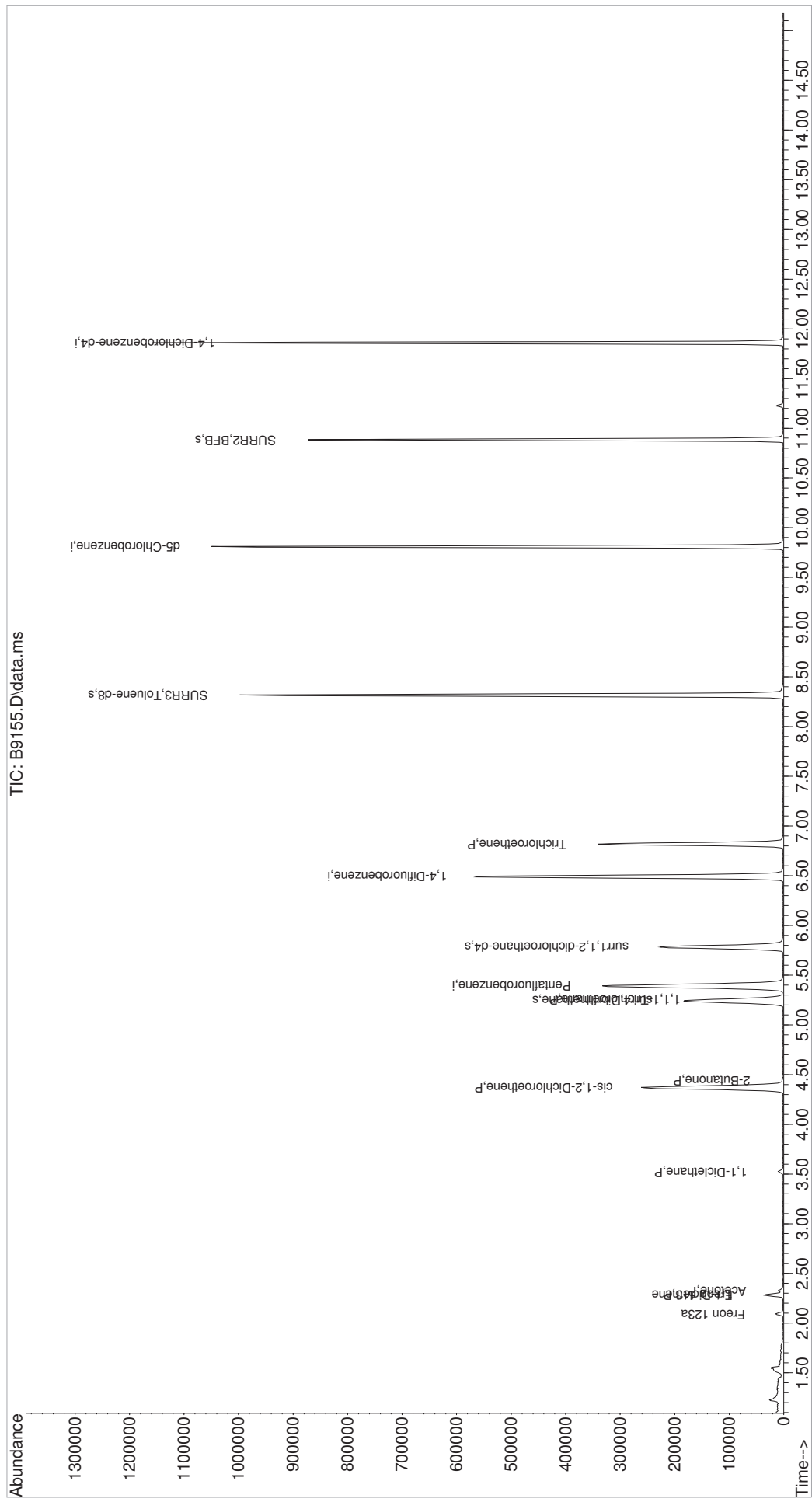
Quant Time: Mar 21 10:03:01 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

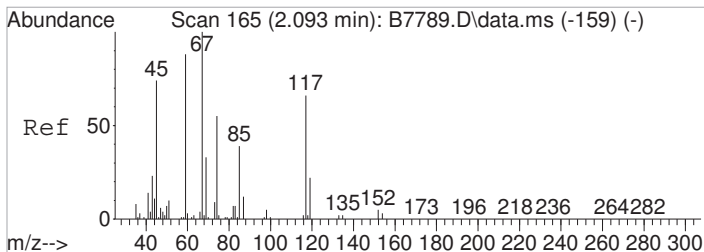
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|-------------------------------|--------|----------------|------------|---------|--------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 322632 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.494 | 114 | 504709 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 448223 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 217964 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.244 | 113 | 153893 | 47.10 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 94.20% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 190466 | 50.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 100.32% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 586814 | 46.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 92.32% | | |
| 70) SURR2,BFB | 10.884 | 95 | 211495 | 47.13 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 94.26% | | |
| Target Compounds | | | | | | |
| 11) Freon 123a | 2.087 | 67 | 5108 | 1.45 | ug/L | 97 |
| 14) 1,1-Diclcethene | 2.282 | 96 | 1609 | 0.63 | ug/L # | 79 |
| 15) Freon 113 | 2.282 | 101 | 11203 | 4.33 | ug/L # | 67 |
| 16) Acetone | 2.324 | 43 | 9386 | 6.03 | ug/L | 91 |
| 28) 1,1-Diclcethane | 3.519 | 63 | 8406 | 1.54 | ug/L | 95 |
| 34) cis-1,2-Dichloroethene | 4.367 | 96 | 140074 | 42.94 | ug/L | 95 |
| 35) 2-Butanone | 4.440 | 43 | 1633 | 0.63 | ug/L | 67 |
| 41) 1,1,1-Trichloroethane | 5.257 | 97 | 5974 | 1.55 | ug/L | 93 |
| 54) Trichloroethene | 6.817 | 130 | 120349 | 35.36 | ug/L | 95 |

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

Quantitation Report (QT Reviewed)

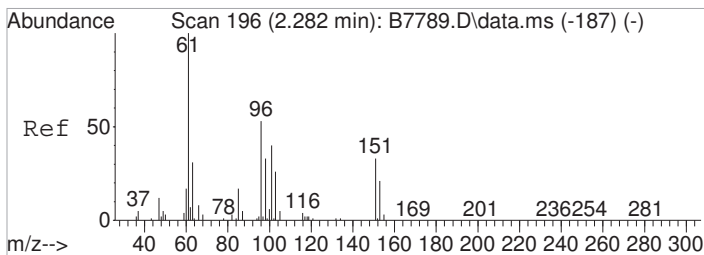
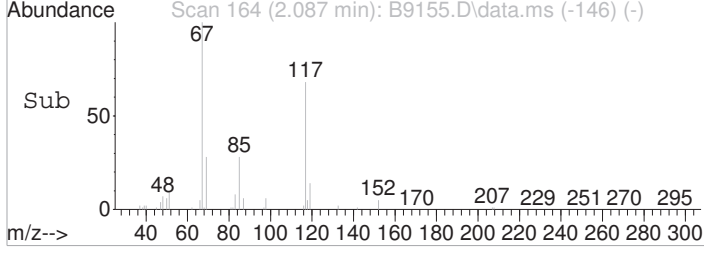
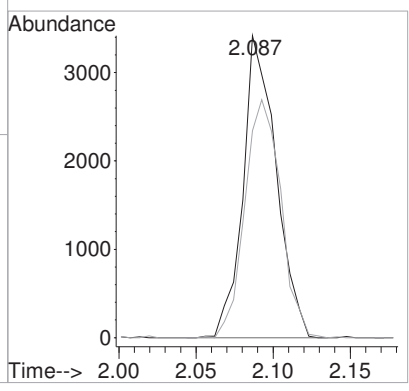
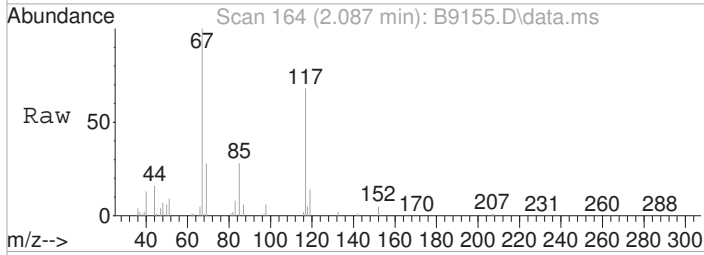
Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9155.D
Acq On : 20 Mar 2023 7:57 pm
Operator : F.NAEGLER
Sample : R2302309-008|1.0
Misc : VCG 7979 T4
ALS Vial : 24 Sample Multiplier: 1
Inst : MSVOA10
Quant Time: Mar 21 10:03:01 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration





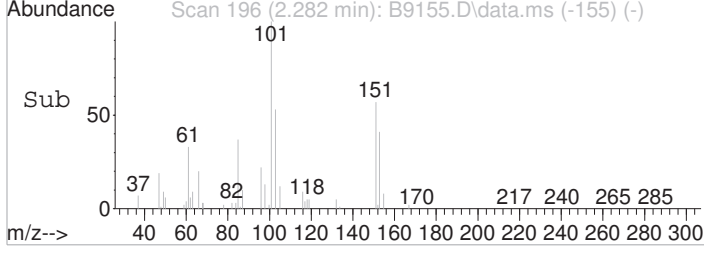
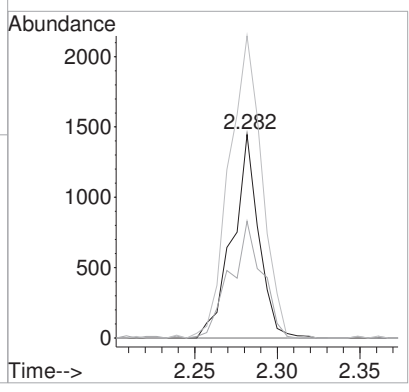
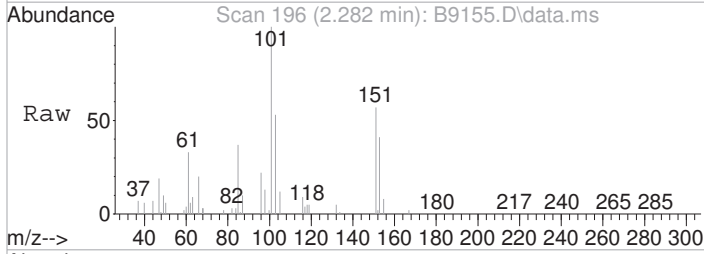
#11
 Freon 123a
 Concen: 1.45 ug/L
 RT: 2.087 min Scan# 164
 Delta R.T. -0.006 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

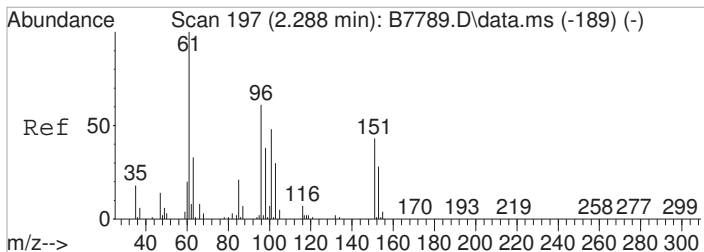
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 67 | 5108 | | |
| 67 | 100 | | |
| 117 | 68.5 | 45.9 | 85.9 |



#14
 1,1-Diclcethene
 Concen: 0.63 ug/L
 RT: 2.282 min Scan# 196
 Delta R.T. -0.000 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

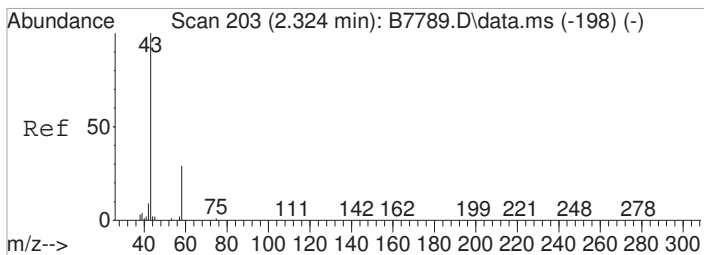
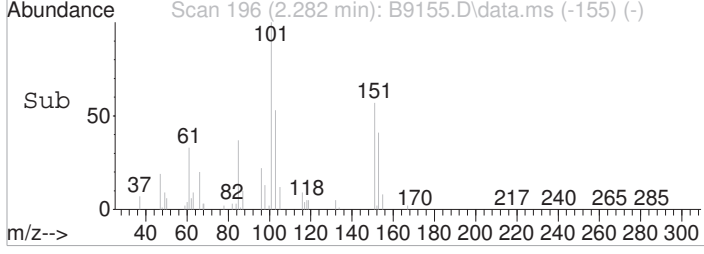
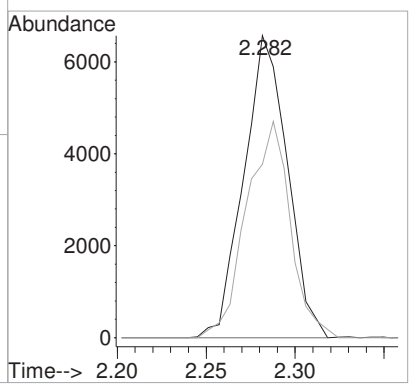
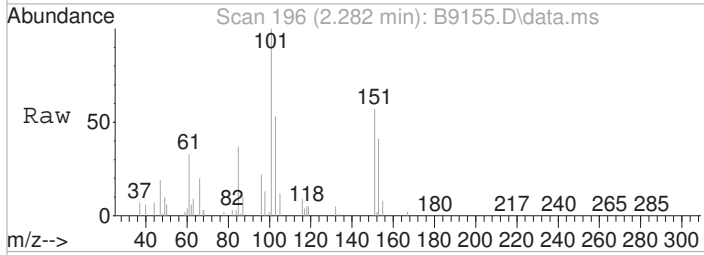
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 96 | 1609 | | |
| 96 | 100 | | |
| 98 | 57.3 | 41.1 | 81.1 |
| 61 | 148.4 | 167.1 | 207.1# |





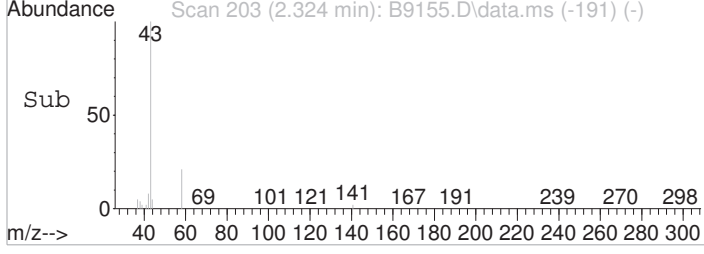
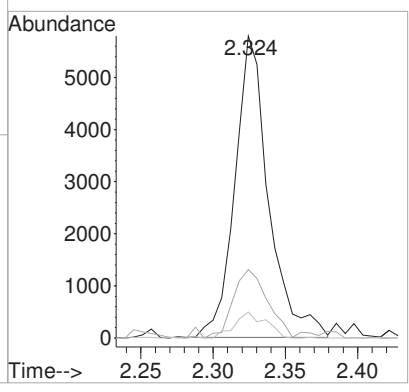
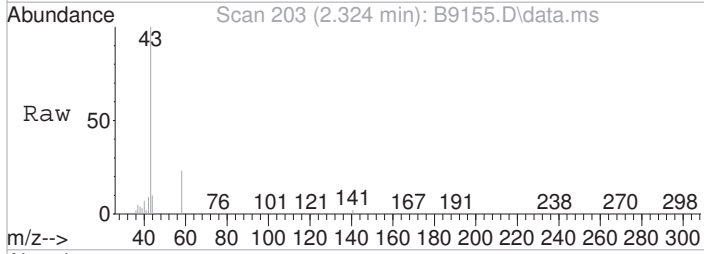
#15
 Freon 113
 Concen: 4.33 ug/L
 RT: 2.282 min Scan# 196
 Delta R.T. -0.006 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

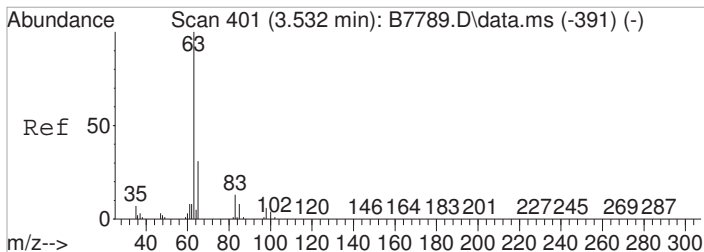
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 101 | 11203 | | |
| 101 | 100 | | |
| 151 | 57.4 | 68.2 | 108.2# |



#16
 Acetone
 Concen: 6.03 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

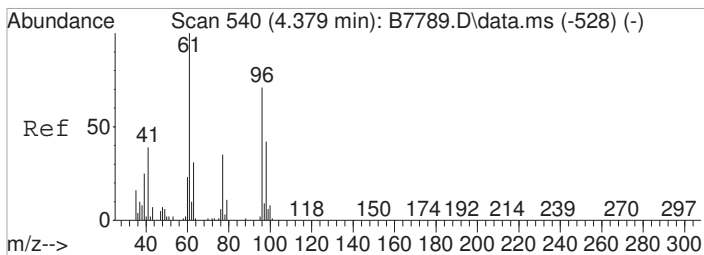
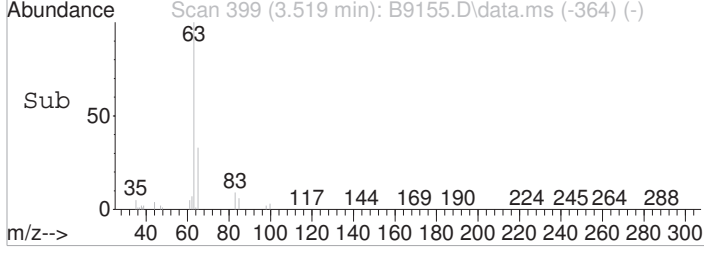
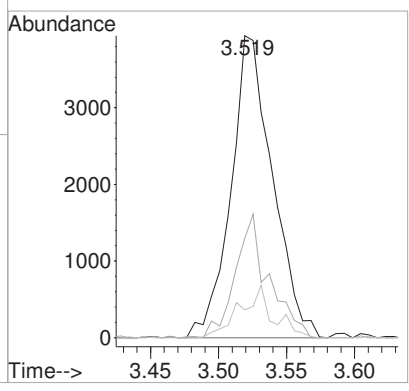
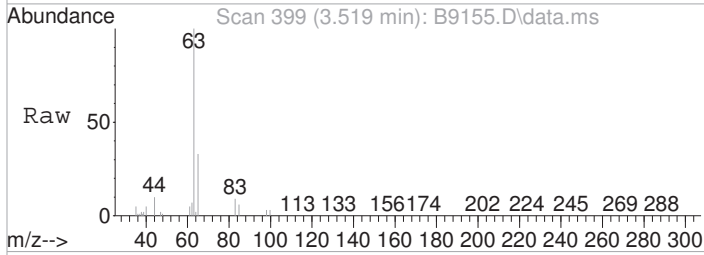
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 9386 | | |
| 43 | 100 | | |
| 58 | 22.7 | 8.5 | 48.5 |
| 42 | 8.5 | 0.0 | 29.6 |





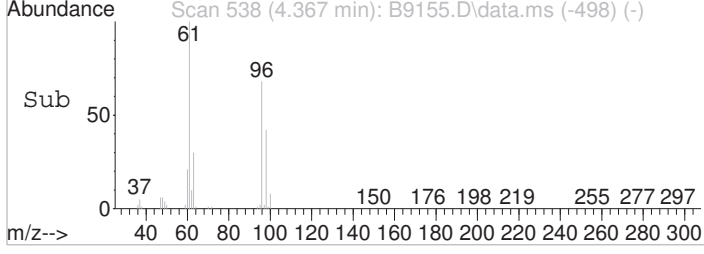
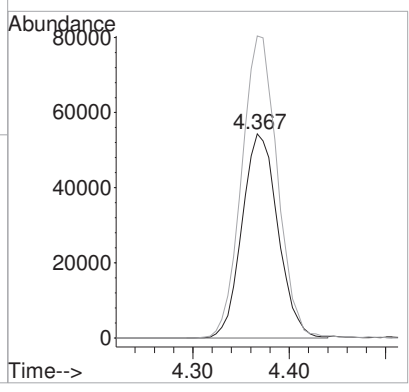
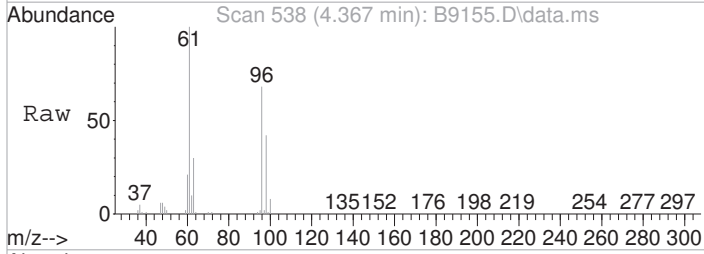
#28
 1,1-Dicylethane
 Concen: 1.54 ug/L
 RT: 3.519 min Scan# 399
 Delta R.T. -0.012 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

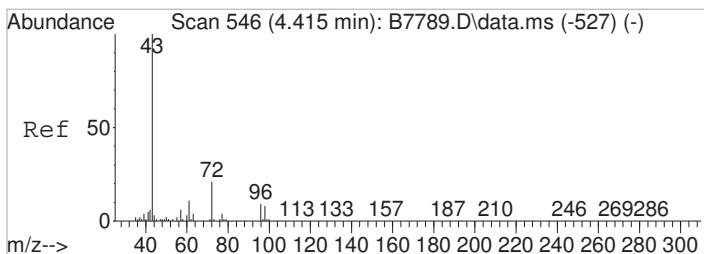
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 33.0 | 11.1 | 51.1 |
| 83 | 9.2 | 0.0 | 33.4 |



#34
 cis-1,2-Dichloroethene
 Concen: 42.94 ug/L
 RT: 4.367 min Scan# 538
 Delta R.T. -0.012 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

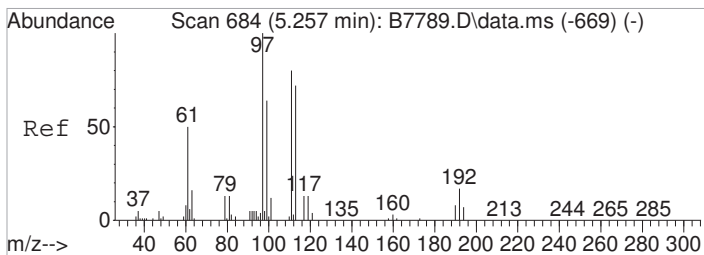
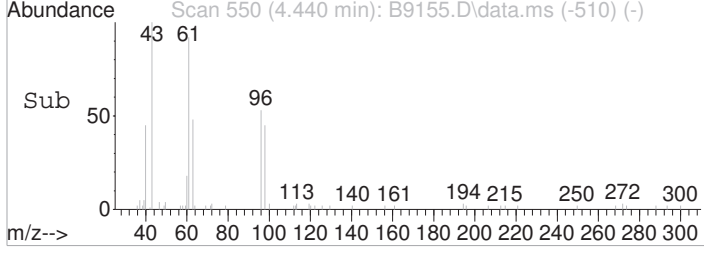
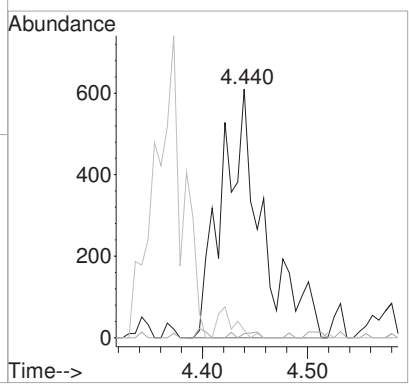
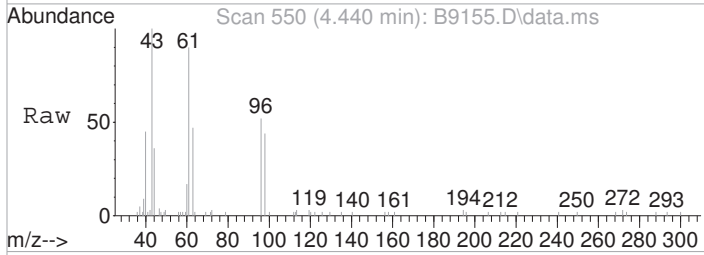
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 148.0 | 121.7 | 161.7 |





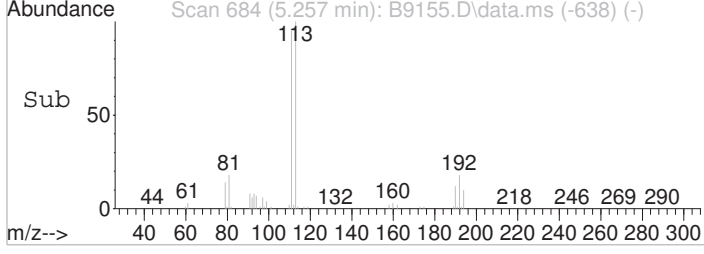
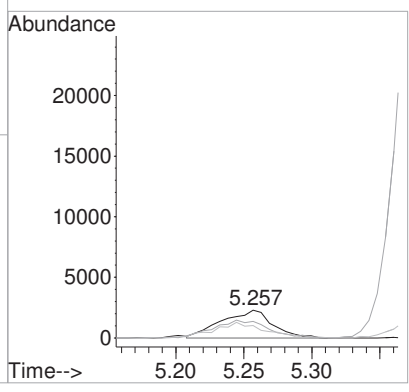
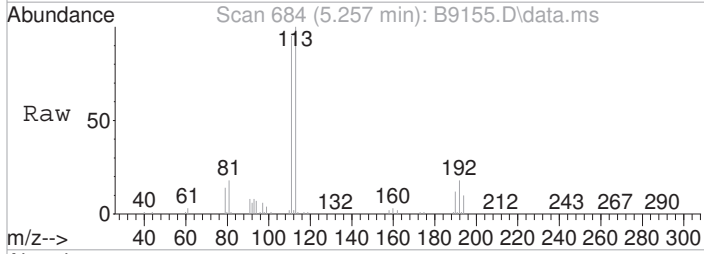
#35
 2-Butanone
 Concen: 0.63 ug/L
 RT: 4.440 min Scan# 550
 Delta R.T. 0.024 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

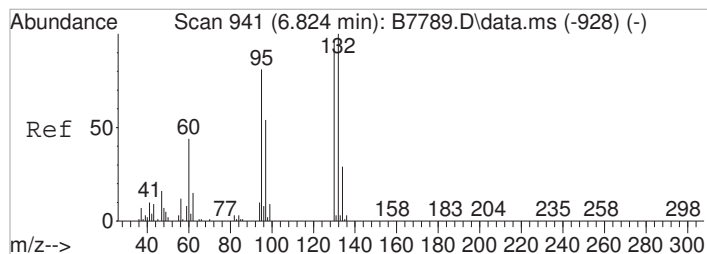
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 57 | 1.6 | 0.0 | 26.2 |
| 72 | 3.1 | 1.1 | 41.1 |



#41
 1,1,1-Trichloroethane
 Concen: 1.55 ug/L
 RT: 5.257 min Scan# 684
 Delta R.T. -0.000 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

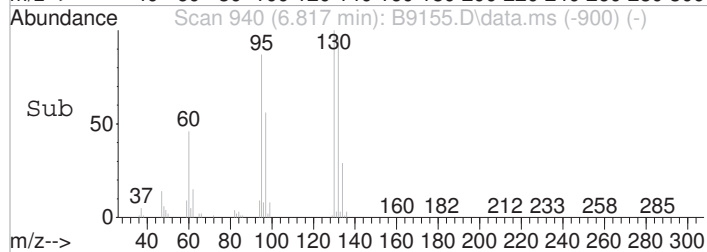
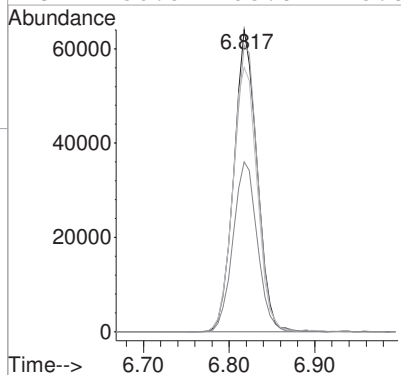
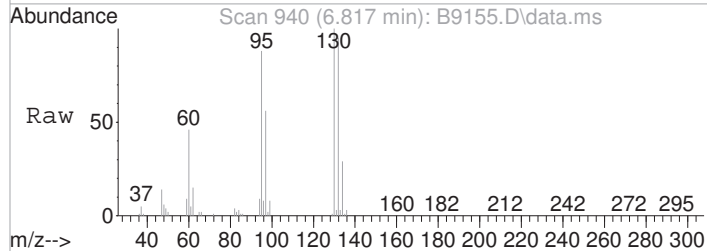
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 59.3 | 43.8 | 83.8 |
| 61 | 44.0 | 30.4 | 70.4 |





#54
 Trichloroethene
 Concen: 35.36 ug/L
 RT: 6.817 min Scan# 940
 Delta R.T. -0.006 min
 Lab File: B9155.D
 Acq: 20 Mar 2023 7:57 pm

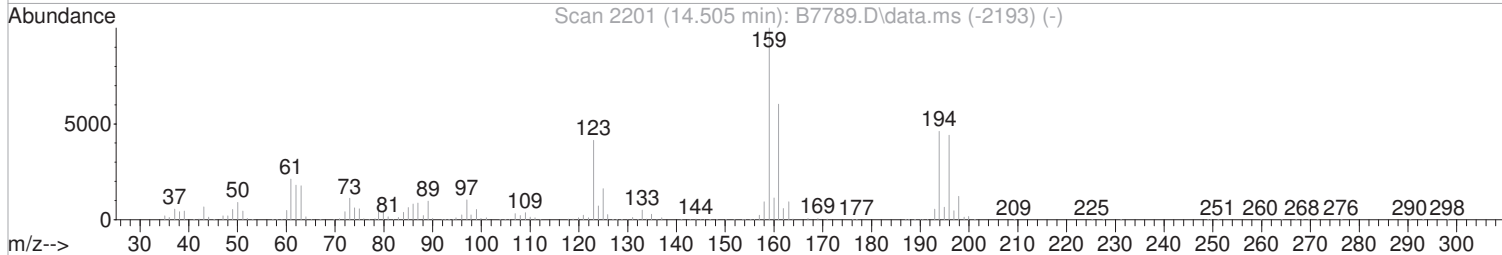
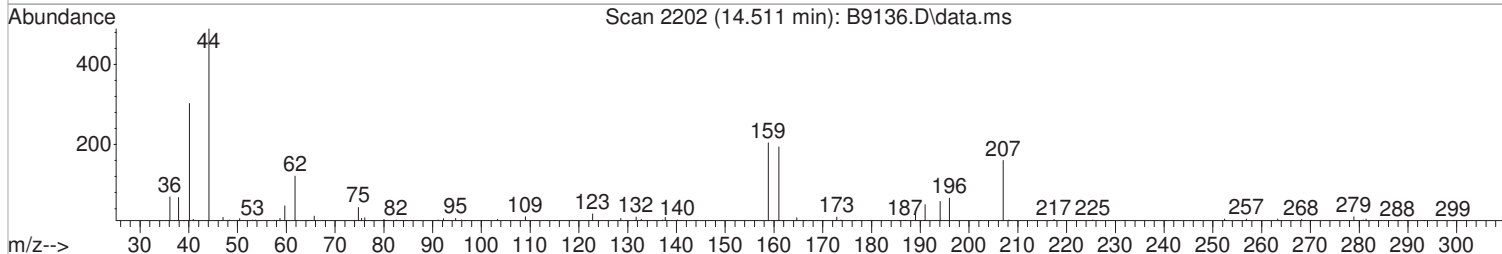
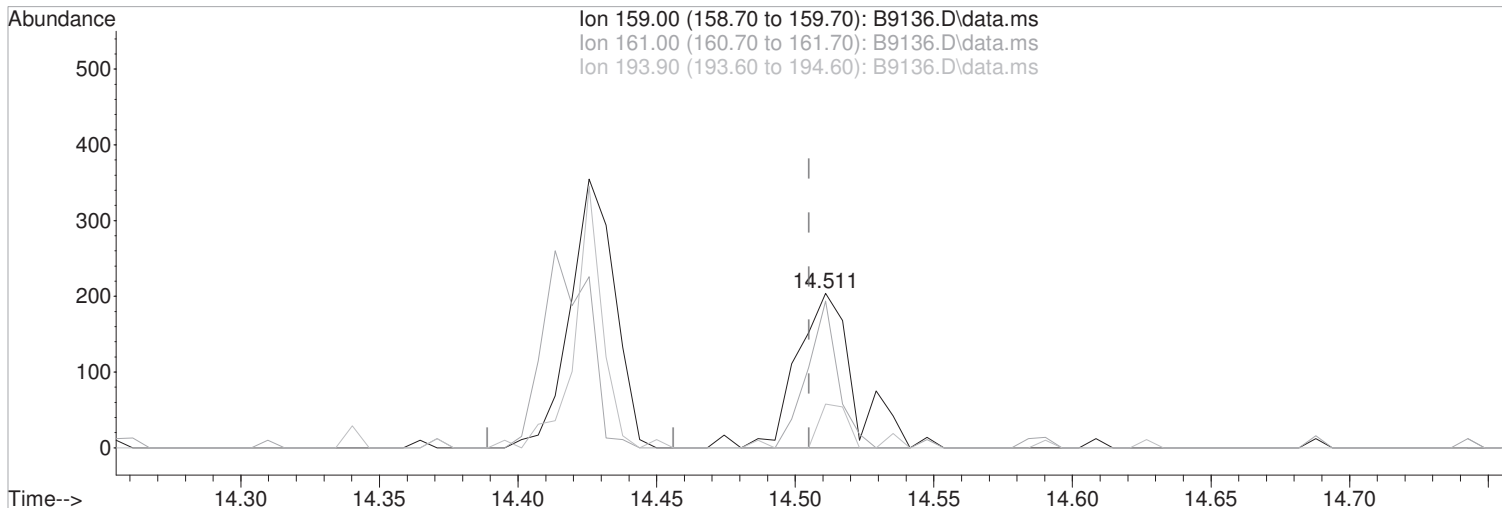
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 130 | 100 | | |
| 132 | 94.9 | 84.1 | 124.1 |
| 95 | 87.5 | 64.6 | 104.6 |
| 97 | 56.3 | 35.8 | 75.8 |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9136.D
Acq On : 20 Mar 2023 12:40 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:06:24 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(120) 2,3,6-Trichlorotoluene
14.511min (+0.006) 0.92 ug/L m
response 287

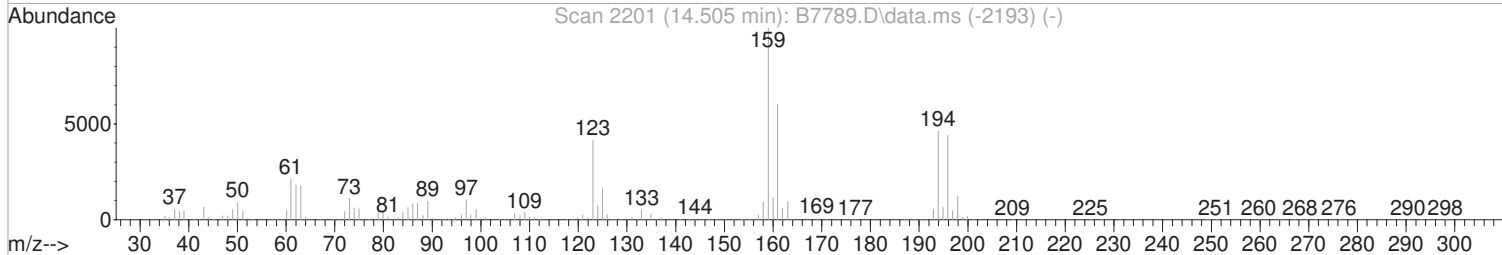
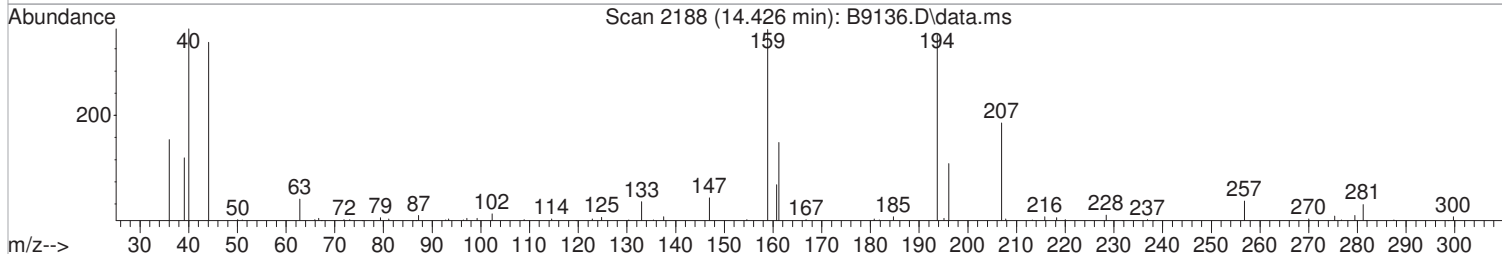
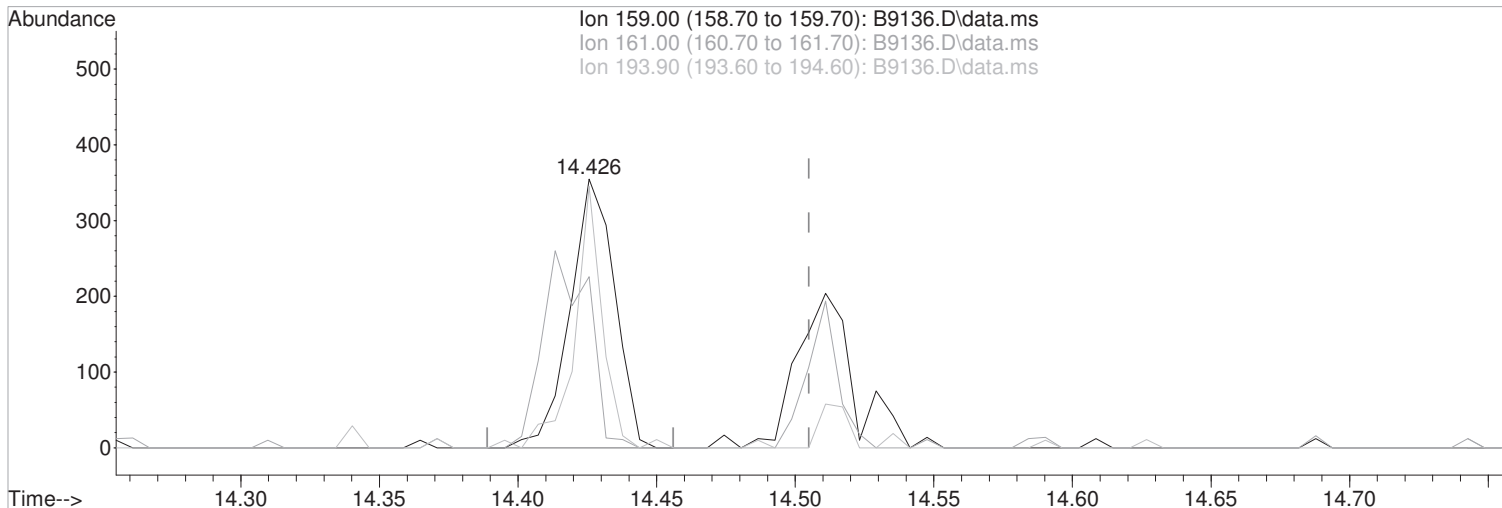
Manual Integration:
After
Wrong peak selected.
03/21/23

| Ion | Exp% | Act% |
|--------|-------|--------|
| 159.00 | 100 | 100 |
| 161.00 | 60.40 | 95.10# |
| 193.90 | 46.10 | 28.43 |
| 0.00 | 0.00 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9136.D
Acq On : 20 Mar 2023 12:40 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:06:24 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



TIC: B9136.D\data.ms

(120) 2,3,6-Trichlorotoluene
14.426min (-0.079) 0.99 ug/L
response 398

Manual Integration:
Before

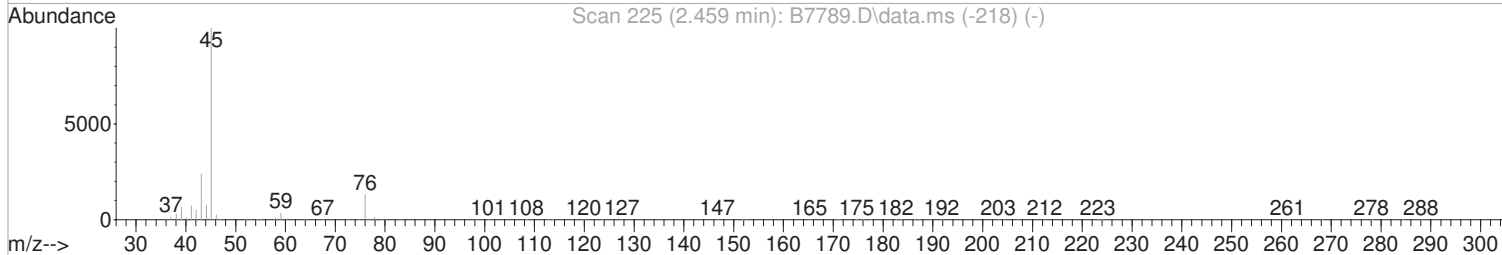
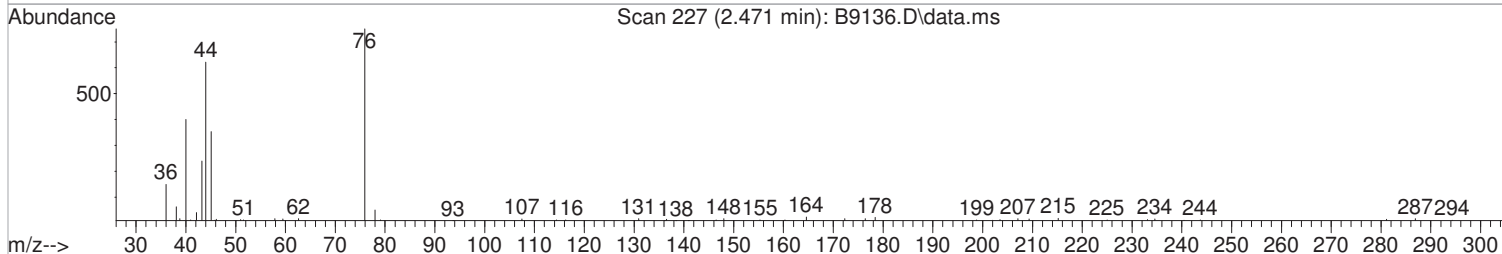
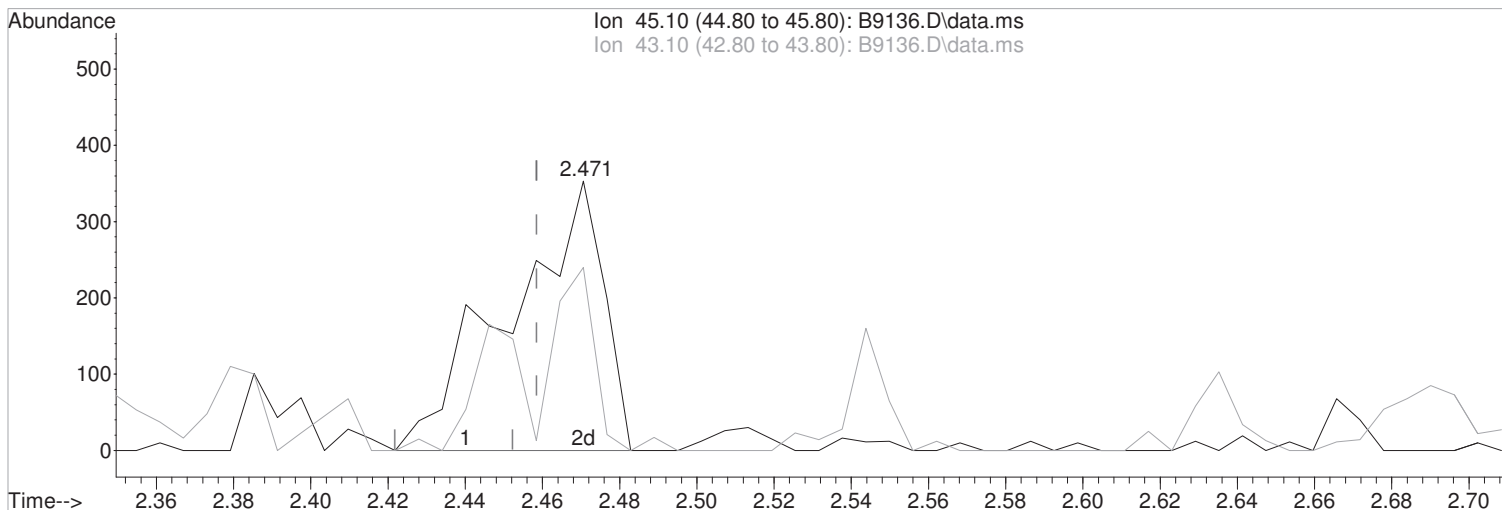
| Ion | Exp% | Act% |
|--------|-------|--------|
| 159.00 | 100 | 100 |
| 161.00 | 60.40 | 63.66 |
| 193.90 | 46.10 | 97.18# |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9136.D
Acq On : 20 Mar 2023 12:40 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:06:24 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(17) 2-Propanol
2.471min (+0.012) 2.05 ug/L m
response 596

Manual Integration:
After
Poor integration.

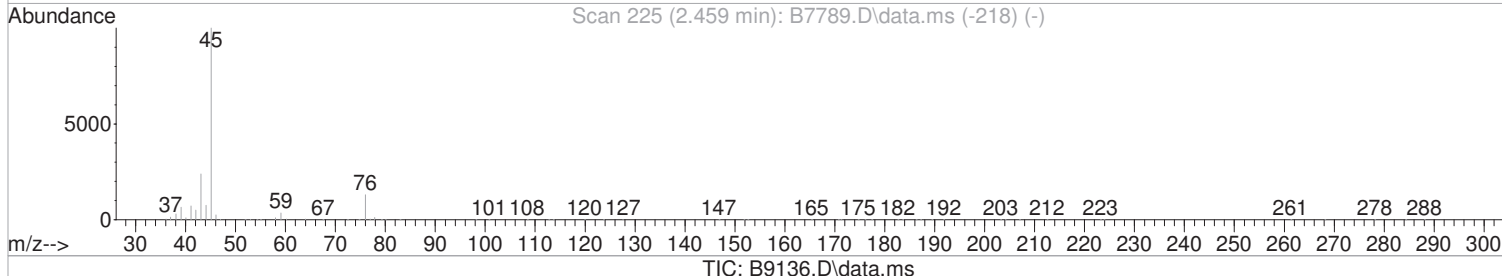
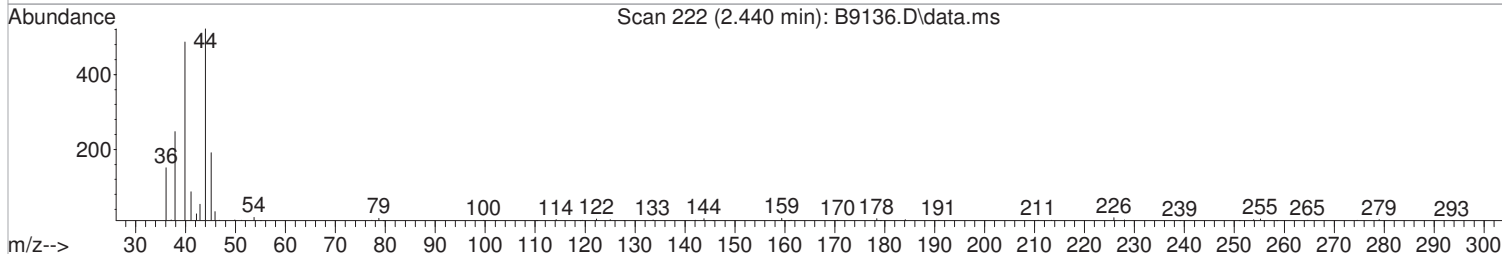
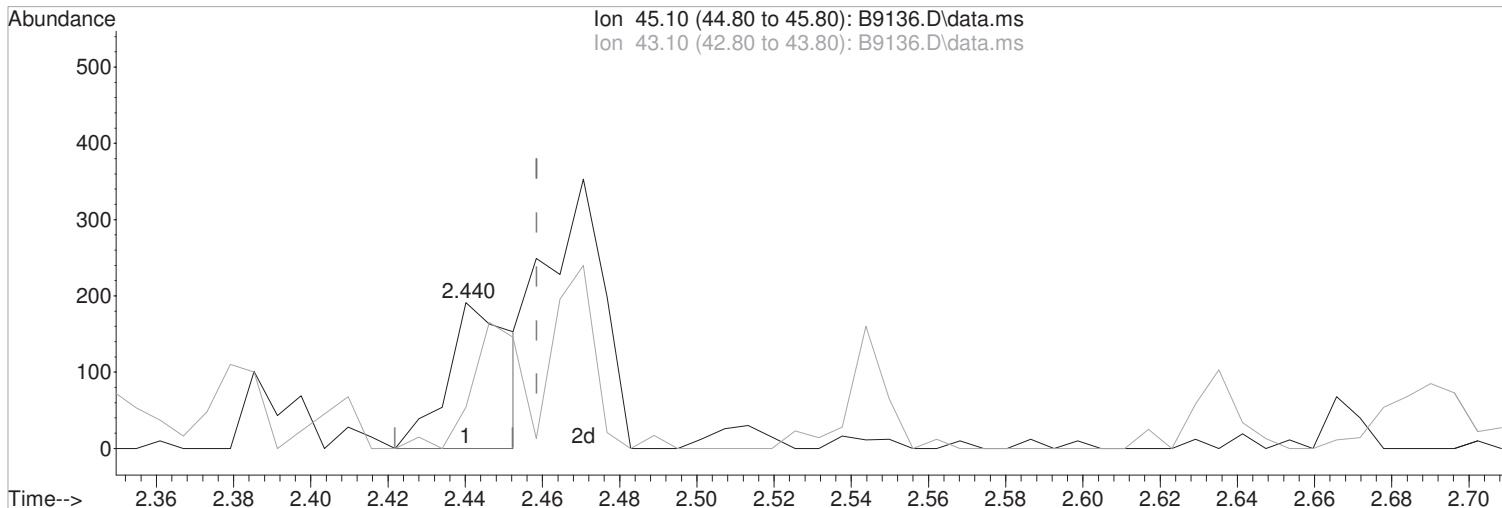
| Ion | Exp% | Act% |
|-------|-------|--------|
| 45.10 | 100 | 100 |
| 43.10 | 23.90 | 67.99# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9136.D
Acq On : 20 Mar 2023 12:40 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 13:06:24 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



(17) 2-Propanol
2.440min (-0.018) 0.75 ug/L
response 219

Manual Integration:
Before

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 43.10 | 23.90 | 28.27 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

03/21/23

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9136.D
Acq On : 20 Mar 2023 12:40 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 09:23:23 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 14:02:42 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|--------|------|----------|-------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 338057 | 50.00 | ug/L | 0.00 |
| 3) 1,4-Difluorobenzene | 6.488 | 114 | 525602 | 50.00 | ug/L | 0.00 |
| 7) d5-Chlorobenzene | 9.811 | 117 | 480728 | 50.00 | ug/L | 0.00 |
| 9) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 238099 | 50.00 | ug/L | 0.00 |

| Target Compounds | Qvalue |
|------------------|--------|
| ----- | |

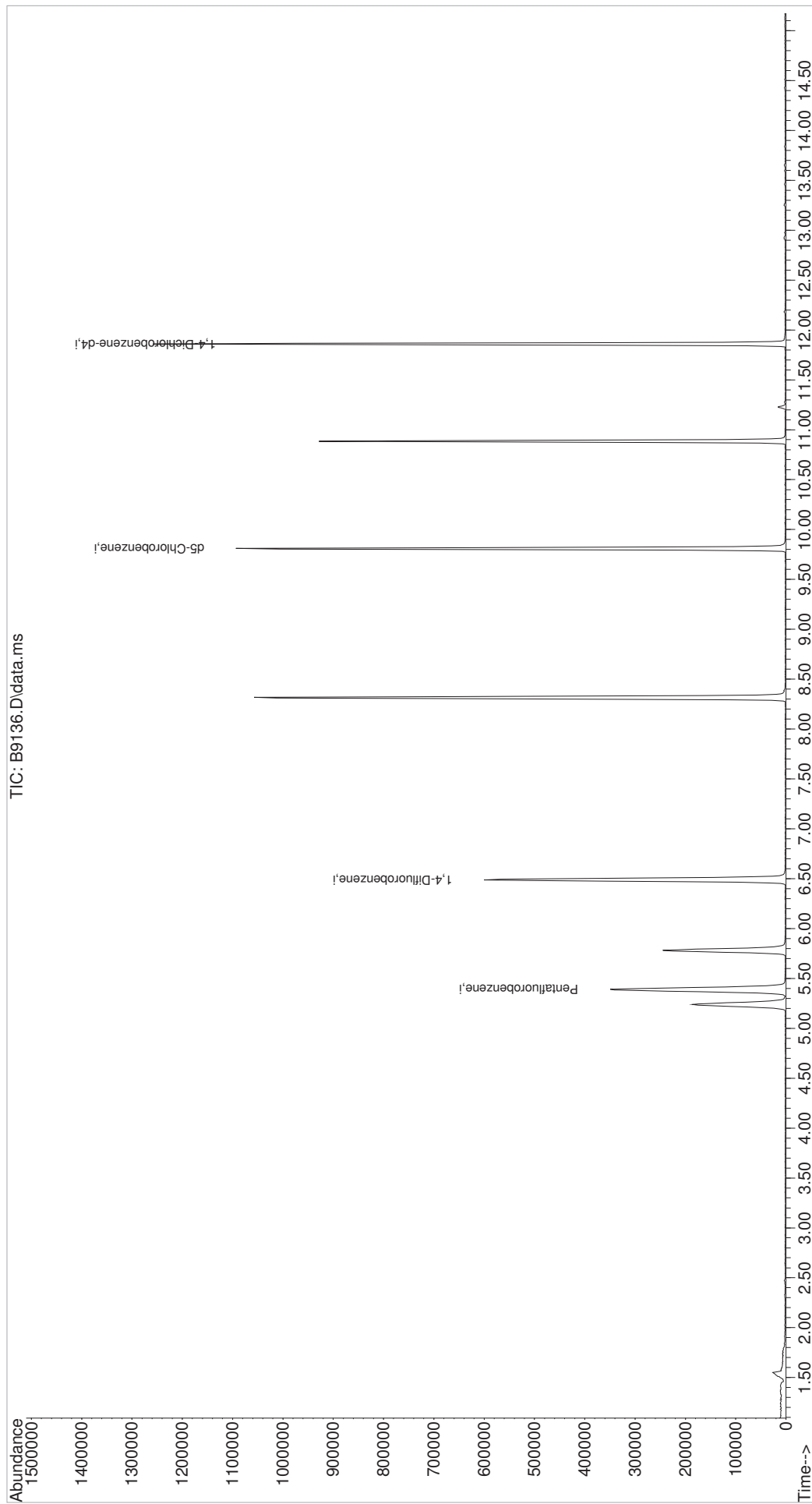
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9136.D
Acq On : 20 Mar 2023 12:40 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 21 09:23:23 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\E012323.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Mon Jan 23 14:02:42 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9136.D
 Acq On : 20 Mar 2023 12:40 pm
 Operator : F.NAEGLER
 Sample : MBLK-UNP Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 09:22:56 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

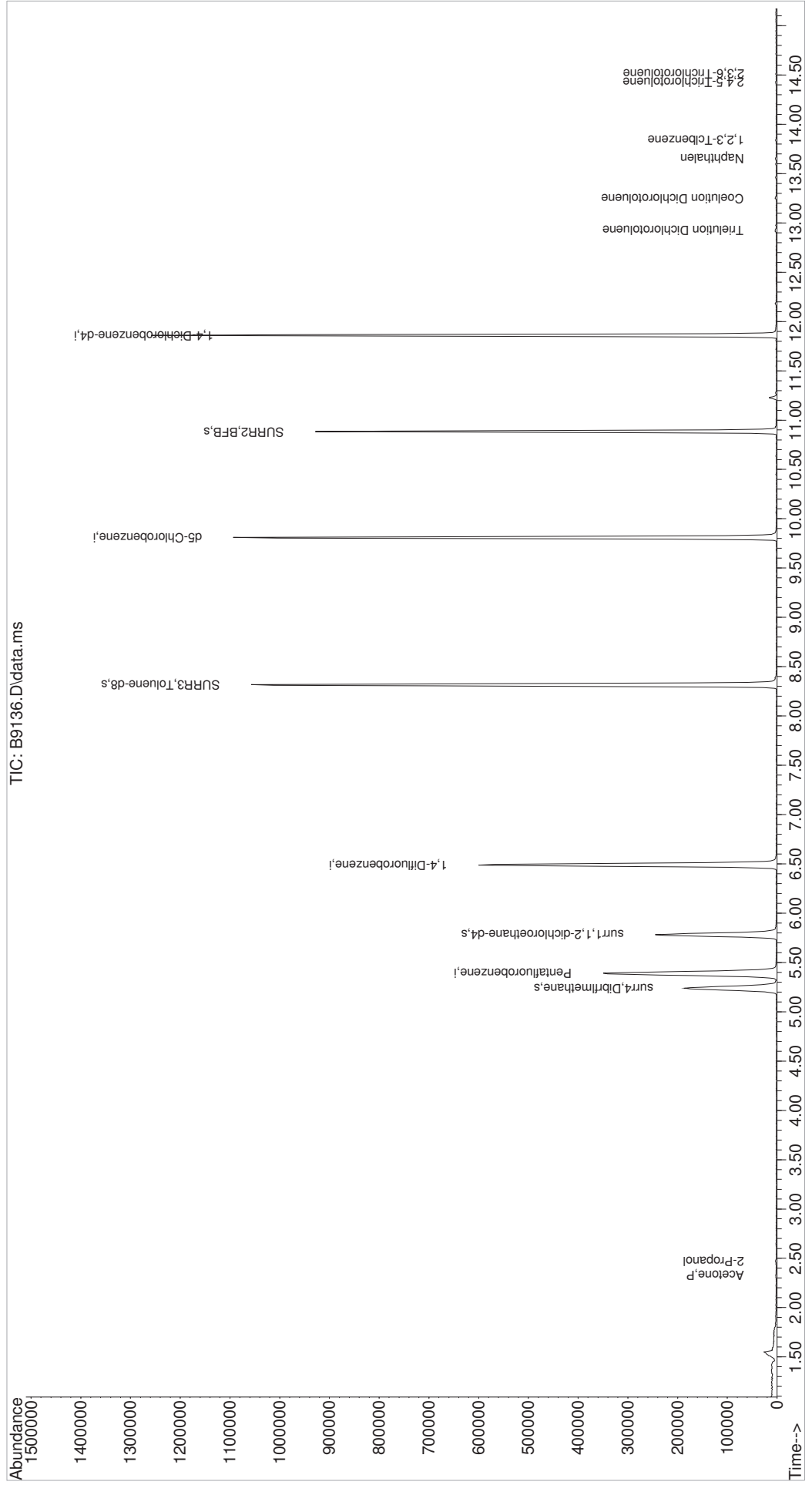
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|----------------|------------|-----------|----------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 338057 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 525602 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 480728 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 238099 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.238 | 113 | 159773 | 46.95 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 93.90% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 196099 | 49.59 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 99.18% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 620391 | 46.86 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 93.72% | | |
| 70) SURR2,BFB | 10.884 | 95 | 223336 | 47.79 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 95.58% | | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.672 | 64 | 515 | Below Cal | Qvalue # | 51 |
| 16) Acetone | 2.330 | 43 | 1324 | 0.81 | ug/L | 67 |
| 17) 2-Propanol | 2.471 | 45 | 596m | 2.05 | ug/L | |
| 112) Trielution Dichlorotol... | 12.926 | 125 | 1538 | 0.27 | ug/L | 79 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 1308 | 0.21 | ug/L | 95 |
| 117) Naphthalen | 13.651 | 128 | 1638 | 0.58 | ug/L | 83 |
| 118) 1,2,3-Tclbenzene | 13.840 | 180 | 522 | 0.53 | ug/L # | 76 |
| 119) 2,4,5-Trichlorotoluene | 14.426 | 159 | 398 | 1.10 | ug/L # | 57 |
| 120) 2,3,6-Trichlorotoluene | 14.511 | 159 | 287m | 0.92 | ug/L | |

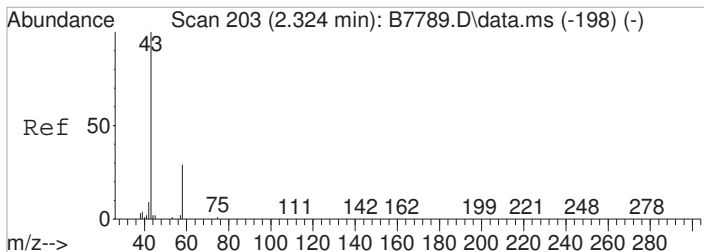
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\032023\
 Data File : B9136.D
 Acq On : 20 Mar 2023 12:40 pm
 Operator : F.NAEGLER
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

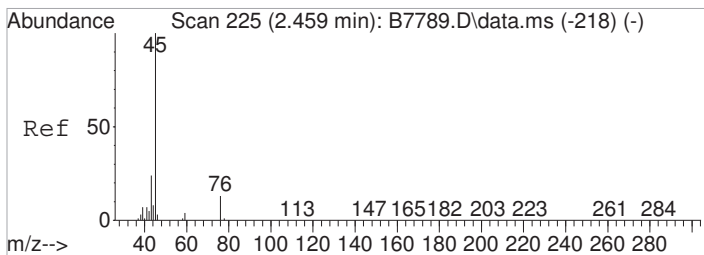
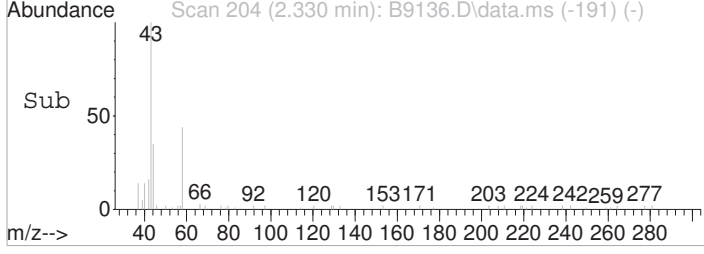
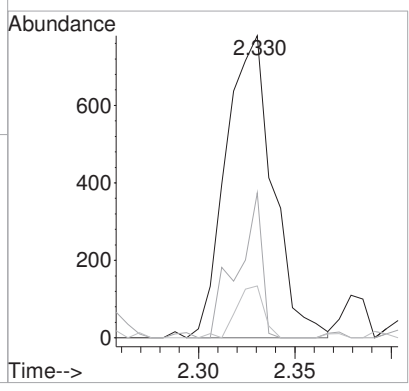
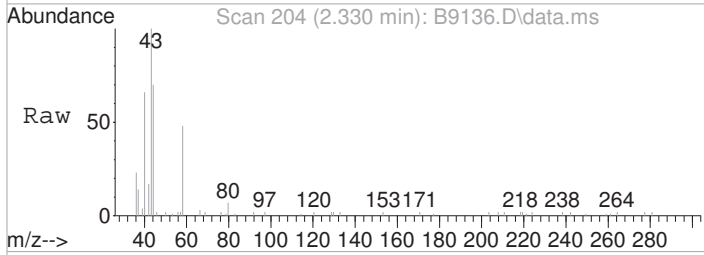
Quant Time: Mar 21 09:22:56 2023
 Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration





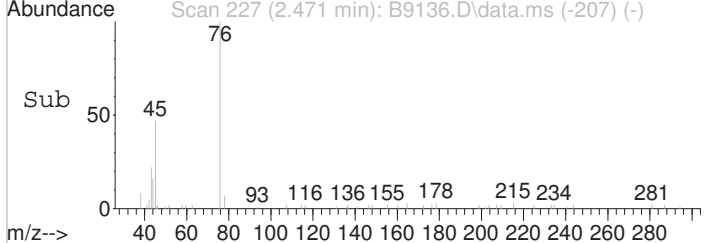
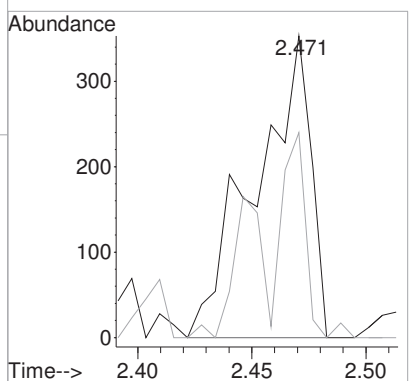
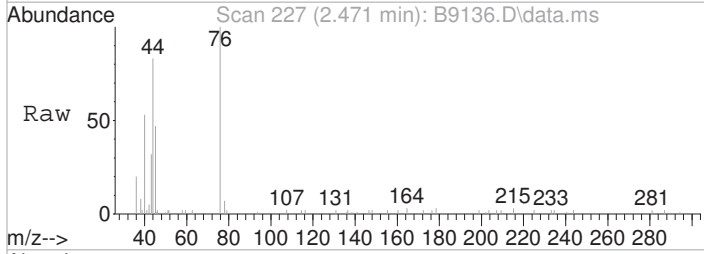
#16
 Acetone
 Concen: 0.81 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

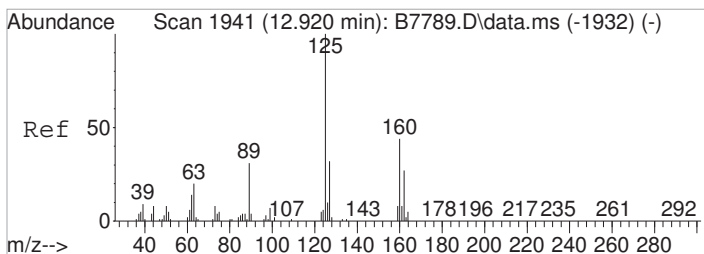
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1324 | | |
| 58 | 47.9 | 8.5 | 48.5 |
| 42 | 17.2 | 0.0 | 29.6 |



#17
 2-Propanol
 Concen: 2.05 ug/L m
 RT: 2.471 min Scan# 227
 Delta R.T. 0.012 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

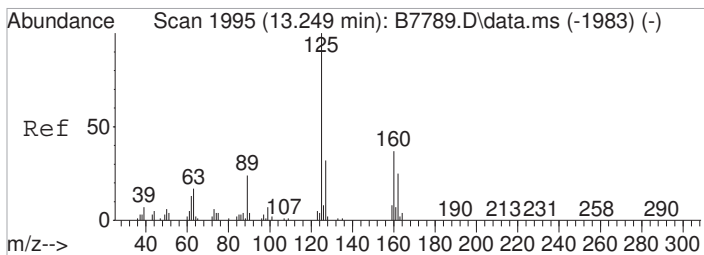
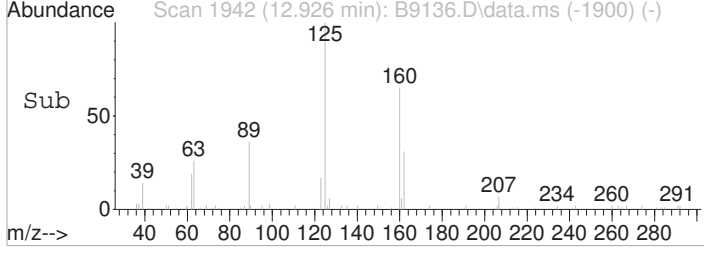
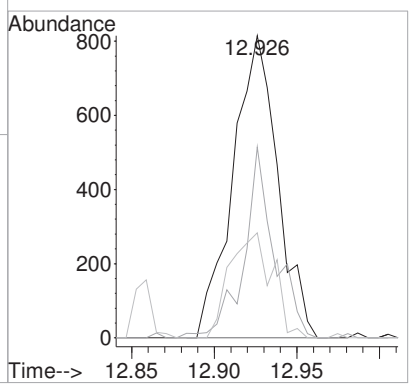
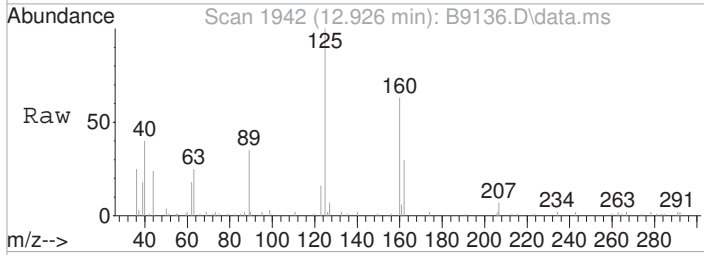
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 45 | 596 | | |
| 43 | 68.0 | 3.9 | 43.9# |





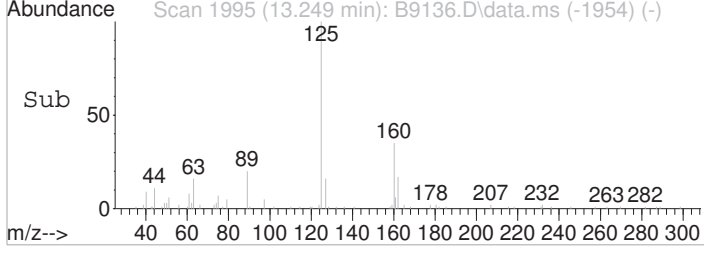
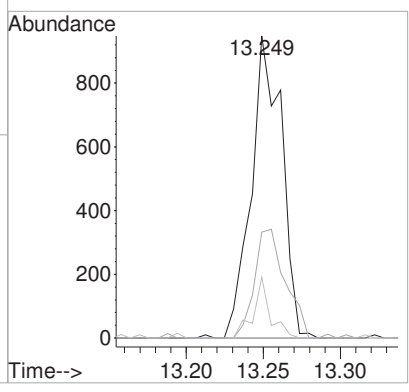
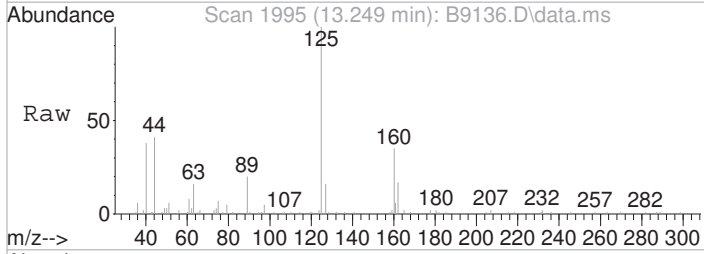
#112
 Trielution Dichlorotoluene
 Concen: 0.27 ug/L
 RT: 12.926 min Scan# 1942
 Delta R.T. 0.006 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

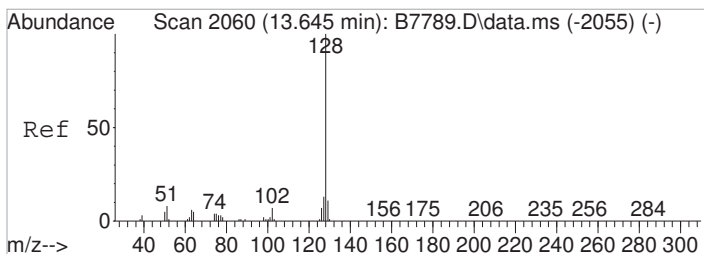
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 1538 | | |
| 160 | 63.2 | 24.4 | 64.4 |
| 89 | 36.3 | 10.5 | 50.5 |



#114
 Coelution Dichlorotoluene
 Concen: 0.21 ug/L
 RT: 13.249 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

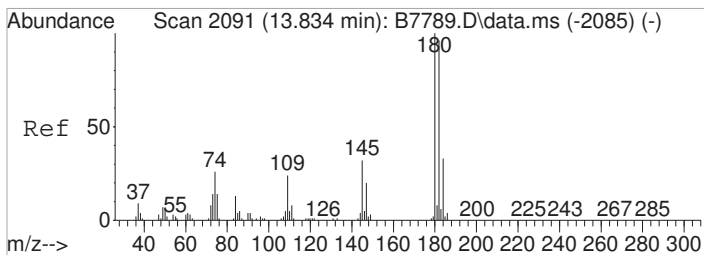
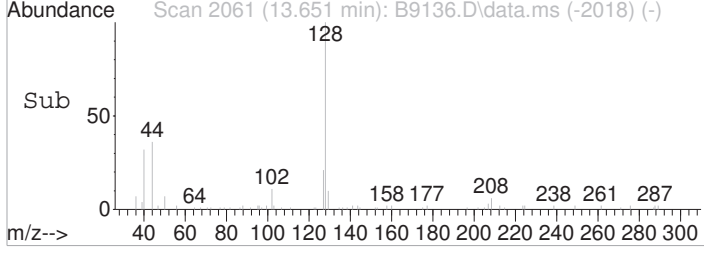
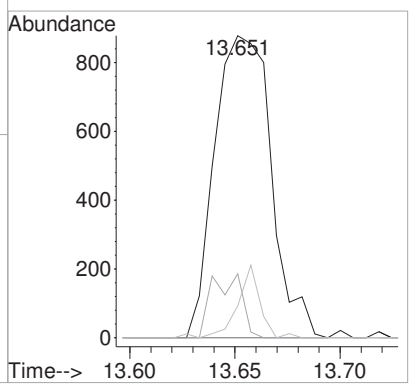
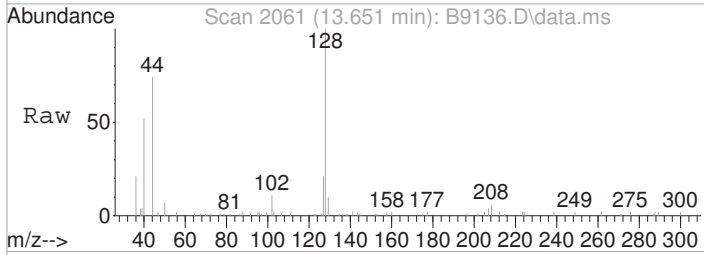
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 1308 | | |
| 160 | 35.1 | 17.1 | 57.1 |
| 89 | 20.1 | 4.1 | 44.1 |





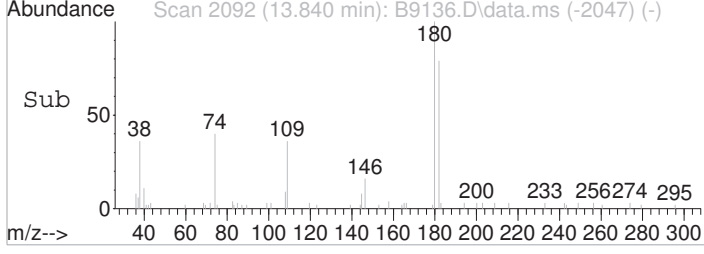
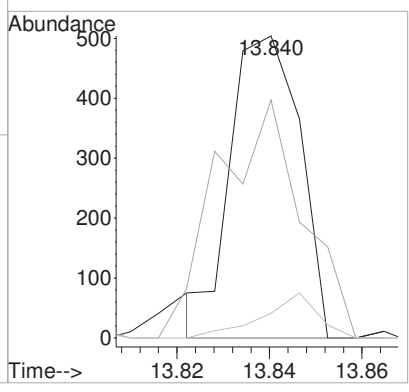
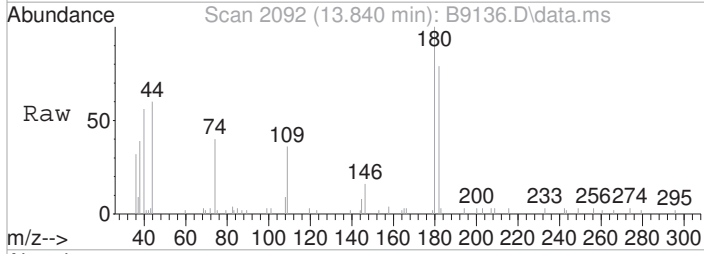
#117
 Naphthalen
 Concen: 0.58 ug/L
 RT: 13.651 min Scan# 2061
 Delta R.T. 0.006 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

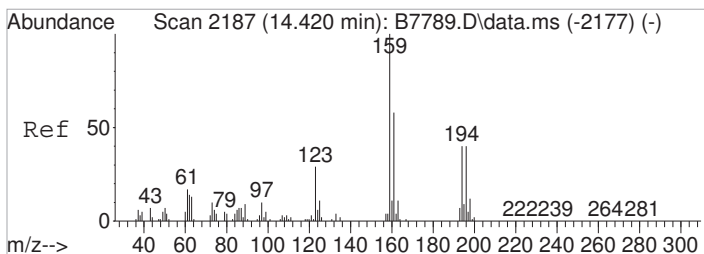
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 1638 | | |
| 127 | 21.2 | 0.0 | 33.1 |
| 102 | 10.6 | 0.0 | 27.1 |



#118
 1,2,3-Tclbenzene
 Concen: 0.53 ug/L
 RT: 13.840 min Scan# 2092
 Delta R.T. 0.006 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

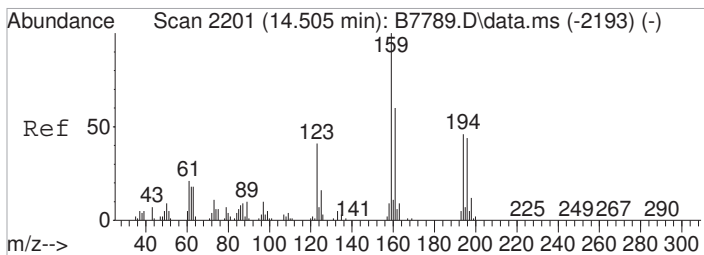
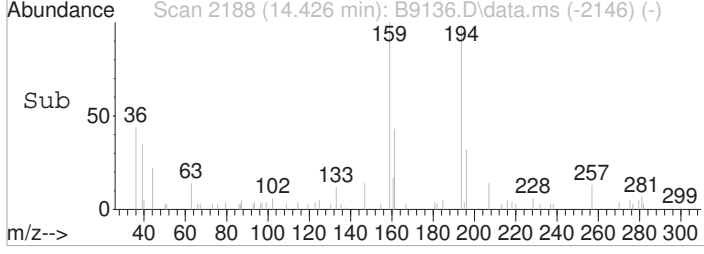
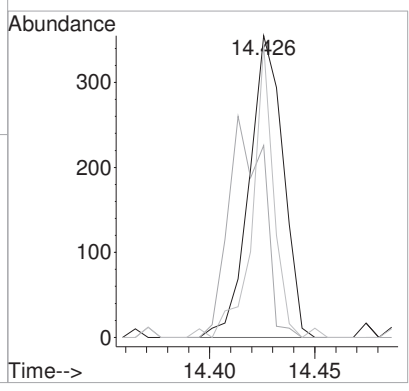
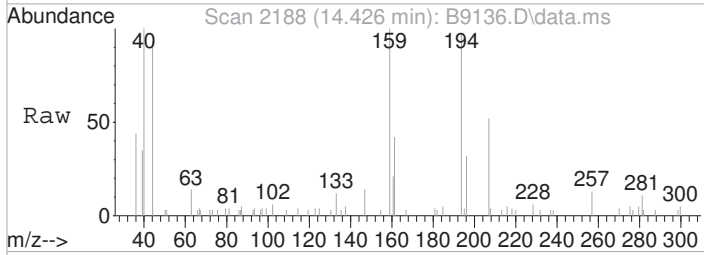
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 180 | 522 | | |
| 182 | 78.8 | 76.3 | 116.3 |
| 145 | 8.1 | 11.6 | 51.6# |





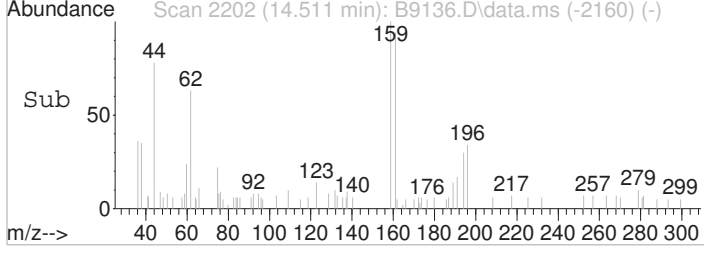
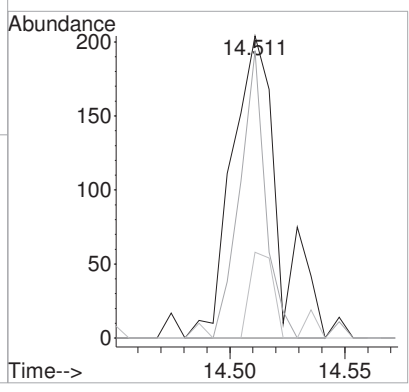
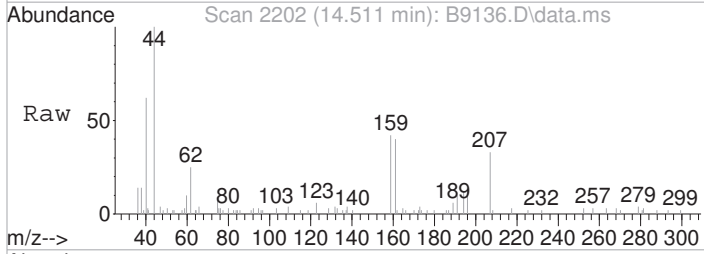
#119
 2,4,5-Trichlorotoluene
 Concen: 1.10 ug/L
 RT: 14.426 min Scan# 2188
 Delta R.T. 0.007 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 159 | 100 | | |
| 161 | 63.7 | 37.7 | 77.7 |
| 194 | 97.2 | 19.7 | 59.7# |



#120
 2,3,6-Trichlorotoluene
 Concen: 0.92 ug/L m
 RT: 14.511 min Scan# 2202
 Delta R.T. 0.006 min
 Lab File: B9136.D
 Acq: 20 Mar 2023 12:40 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 159 | 100 | | |
| 161 | 95.1 | 40.4 | 80.4# |
| 194 | 28.4 | 26.1 | 66.1 |



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9133.D
 Acq On : 20 Mar 2023 11:11 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 11:26:18 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 355797 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 558733 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 520377 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 281487 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|--------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.238 | 113 | 168263 | 46.51 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 93.02% | | |
| 47) surr1,1,2-dichloroetha... | 5.781 | 65 | 198985 | 47.33 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 94.66% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 640586 | 45.52 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 91.04% | | |
| 70) SURR2,BFB | 10.884 | 95 | 241624 | 48.64 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 97.28% | | |

| Target Compounds | | | | | | Qvalue |
|------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Chlorodifluoromethane | 1.154 | 51 | 90299 | 19.01 | ug/L | 94 |
| 3) Dichlorodifluoromethane | 1.148 | 85 | 60394 | 18.27 | ug/L | 99 |
| 4) Chloromethane | 1.276 | 50 | 115706 | 22.85 | ug/L | 96 |
| 5) Vinyl Chloride | 1.355 | 62 | 92434 | 18.18 | ug/L | 98 |
| 6) Bromomethane | 1.581 | 94 | 62232 | 20.37 | ug/L | 94 |
| 7) Chloroethane | 1.660 | 64 | 47868 | 18.62 | ug/L | 98 |
| 8) Freon 21 | 1.806 | 67 | 111988 | 18.42 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.855 | 101 | 105964 | 21.83 | ug/L | 98 |
| 10) Diethyl Ether | 2.087 | 59 | 63654 | 19.49 | ug/L | 98 |
| 11) Freon 123a | 2.093 | 67 | 77949 | 20.10 | ug/L | 86 |
| 12) Freon 123 | 2.141 | 83 | 108022 | 23.98 | ug/L | 93 |
| 13) Acrolein | 2.184 | 56 | 33861 | 38.45 | ug/L | 98 |
| 14) 1,1-Dicethene | 2.282 | 96 | 55509 | 19.72 | ug/L | 94 |
| 15) Freon 113 | 2.288 | 101 | 61349 | 21.48 | ug/L | 87 |
| 16) Acetone | 2.324 | 43 | 34372 | 20.02 | ug/L | 92 |
| 17) 2-Propanol | 2.452 | 45 | 115028 | 375.64 | ug/L | 93 |
| 18) Iodomethane | 2.416 | 142 | 82162 | 18.77 | ug/L | 97 |
| 19) Carbon Disulfide | 2.477 | 76 | 177489 | 20.07 | ug/L | 100 |
| 20) Acetonitrile | 2.574 | 41 | 60562 | 90.83 | ug/L | 90 |
| 21) Allyl Chloride | 2.611 | 76 | 32737 | 22.71 | ug/L | 97 |
| 22) Methyl Acetate | 2.629 | 43 | 99615 | 21.84 | ug/L | 95 |
| 23) Methylene Chloride | 2.727 | 84 | 65286 | 18.70 | ug/L | 92 |
| 24) TBA | 2.849 | 59 | 146610 | 342.90 | ug/L | 87 |
| 25) Acrylonitrile | 2.983 | 53 | 186101 | 97.55 | ug/L | 94 |
| 26) Methyl-t-Butyl Ether | 3.031 | 73 | 185718 | 20.06 | ug/L | 98 |
| 27) trans-1,2-Dichloroethene | 3.019 | 96 | 61730 | 19.99 | ug/L | 93 |
| 28) 1,1-Dicethane | 3.519 | 63 | 124703 | 20.67 | ug/L | 95 |
| 29) Vinyl Acetate | 3.611 | 86 | 7776 | 18.56 | ug/L # | 19 |
| 30) DIPE | 3.647 | 45 | 270667 | 19.46 | ug/L | 97 |
| 31) 2-Chloro-1,3-Butadiene | 3.647 | 53 | 127310 | 22.27 | ug/L | 96 |
| 32) ETBE | 4.178 | 59 | 174945 | 18.92 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.361 | 77 | 67429 | 24.60 | ug/L | 97 |
| 34) cis-1,2-Dichloroethene | 4.367 | 96 | 72746 | 20.22 | ug/L | 91 |
| 35) 2-Butanone | 4.415 | 43 | 55125 | 19.42 | ug/L | 96 |
| 36) Propionitrile | 4.489 | 54 | 76257 | 101.16 | ug/L | 93 |
| 37) Bromochloromethane | 4.763 | 130 | 49110 | 18.95 | ug/L | 90 |
| 38) Methacrylonitrile | 4.763 | 67 | 31099 | 17.54 | ug/L # | 76 |
| 39) Tetrahydrofuran | 4.854 | 42 | 31292 | 19.17 | ug/L | 86 |
| 40) Chloroform | 4.940 | 83 | 114541 | 19.69 | ug/L | 96 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9133.D
 Acq On : 20 Mar 2023 11:11 am
 Operator : F.NAEGLER
 Sample : LCS-UNP Inst : MSVOA10
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 20 11:26:18 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 5.244 | 97 | 88747 | 20.88 | ug/L | 97 |
| 43) Cyclohexane | 5.336 | 41 | 79722 | 19.19 | ug/L | 90 |
| 45) Carbontetrachloride | 5.531 | 117 | 75375 | 21.36 | ug/L | 90 |
| 46) 1,1-Dichloropropene | 5.543 | 75 | 81791 | 19.65 | ug/L | 99 |
| 48) Benzene | 5.860 | 78 | 255072 | 19.18 | ug/L | 94 |
| 49) 1,2-Dichloroethane | 5.903 | 62 | 103573 | 19.49 | ug/L | 97 |
| 50) Iso-Butyl Alcohol | 5.879 | 43 | 80384 | 386.75 | ug/L | 99 |
| 51) TAME | 6.104 | 73 | 149814 | 18.13 | ug/L | 97 |
| 52) n-Heptane | 6.354 | 43 | 106545 | 23.67 | ug/L | 98 |
| 53) 1-Butanol | 6.848 | 56 | 111055 | 1041.24 | ug/L | 95 |
| 54) Trichloroethene | 6.817 | 130 | 73235 | 19.44 | ug/L | 92 |
| 55) Methylcyclohexane | 7.055 | 55 | 93888 | 19.69 | ug/L | 95 |
| 56) 1,2-Diclpropane | 7.098 | 63 | 72873 | 20.09 | ug/L | 100 |
| 57) Dibromomethane | 7.244 | 93 | 42894 | 18.26 | ug/L | 99 |
| 58) 1,4-Dioxane | 7.305 | 88 | 22852 | 356.94 | ug/L | 92 |
| 59) Methyl Methacrylate | 7.329 | 69 | 48967 | 19.07 | ug/L # | 87 |
| 60) Bromodichloromethane | 7.470 | 83 | 84822 | 18.94 | ug/L | 95 |
| 61) 2-Nitropropane | 7.756 | 41 | 41078 | 42.12 | ug/L | 92 |
| 62) 2-Chloroethylvinyl Ether | 7.884 | 63 | 36828 | 23.43 | ug/L | 95 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 96817 | 21.66 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.220 | 43 | 98558 | 17.69 | ug/L | 99 |
| 66) Toluene | 8.390 | 91 | 286170 | 19.59 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.658 | 75 | 76994 | 24.43 | ug/L | 99 |
| 68) Ethyl Methacrylate | 8.799 | 69 | 84151 | 18.69 | ug/L | 96 |
| 69) 1,1,2-Trichloroethane | 8.847 | 97 | 64078 | 18.44 | ug/L | 99 |
| 72) Tetrachloroethene | 8.982 | 164 | 56478 | 20.47 | ug/L | 94 |
| 73) 2-Hexanone | 9.140 | 43 | 68203 | 17.18 | ug/L | 99 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 108996 | 18.36 | ug/L | 97 |
| 75) Dibromochloromethane | 9.244 | 129 | 71570 | 20.26 | ug/L | 96 |
| 76) N-Butyl Acetate | 9.292 | 43 | 142137 | 18.09 | ug/L | 94 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 65244 | 18.76 | ug/L | 88 |
| 78) 3-Chlorobenzotrifluoride | 9.853 | 180 | 98795 | 18.30 | ug/L | 97 |
| 79) Chlorobenzene | 9.835 | 112 | 198790 | 19.84 | ug/L | 95 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 89476 | 19.11 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.920 | 131 | 64605 | 20.72 | ug/L | 98 |
| 82) Ethylbenzene | 9.957 | 106 | 100993 | 19.60 | ug/L | 99 |
| 83) (m+p)Xylene | 10.067 | 106 | 256692 | 40.28 | ug/L | 98 |
| 84) o-Xylene | 10.426 | 106 | 124202 | 19.60 | ug/L | 98 |
| 85) Styrene | 10.439 | 104 | 214411 | 20.04 | ug/L | 98 |
| 86) Bromoform | 10.591 | 173 | 44940 | 19.70 | ug/L | 95 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 98772 | 19.42 | ug/L | 93 |
| 88) Isopropylbenzene | 10.762 | 105 | 310661 | 20.62 | ug/L | 99 |
| 89) Cyclohexanone | 10.823 | 55 | 324446 | 424.18 | ug/L | 98 |
| 90) trans-1,4-Dichloro-2-B... | 11.067 | 53 | 22601 | 24.14 | ug/L | 91 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 92291 | 18.17 | ug/L | 96 |
| 93) Bromobenzene | 11.006 | 156 | 87467 | 18.00 | ug/L | 94 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 28754 | 17.83 | ug/L # | 89 |
| 95) n-Propylbenzene | 11.115 | 91 | 369306 | 20.32 | ug/L | 97 |
| 96) 2-Chlorotoluene | 11.176 | 91 | 218434 | 19.30 | ug/L | 98 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 222583 | 19.06 | ug/L | 98 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 264698 | 20.26 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 272630 | 19.78 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.542 | 119 | 237688 | 20.29 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 273427 | 20.68 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.640 | 214 | 73813 | 19.47 | ug/L | 99 |
| 103) sec-Butylbenzene | 11.725 | 105 | 327846 | 20.40 | ug/L | 98 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9133.D
 Acq On : 20 Mar 2023 11:11 am
 Operator : F.NAEGLER
 Sample : LCS-UNP Inst : MSVOA10
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 20 11:26:18 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

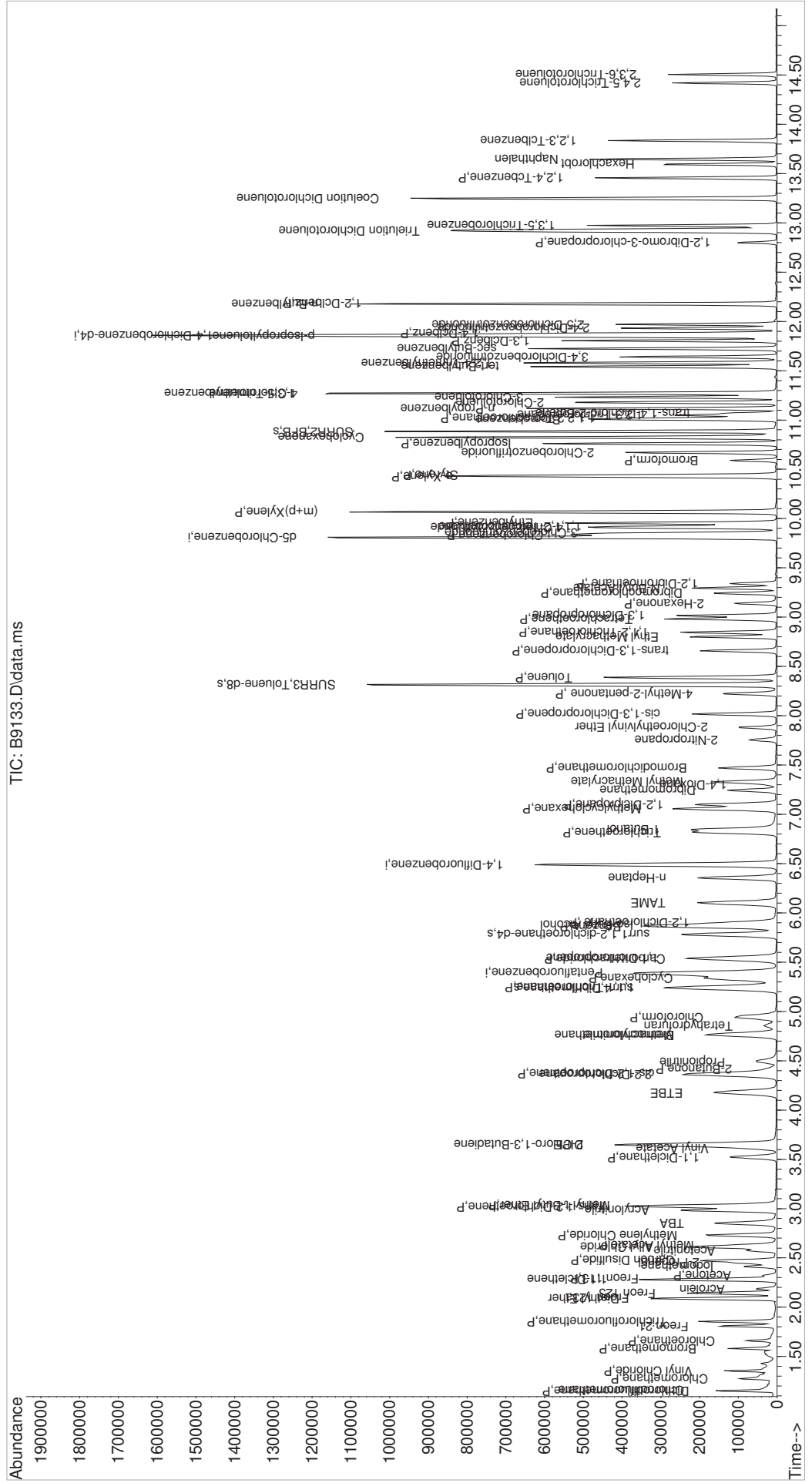
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 293589 | 20.27 | ug/L | 99 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 169110 | 20.02 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.877 | 146 | 171795 | 19.32 | ug/L | 97 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 69556 | 19.67 | ug/L | 96 |
| 108) 2,5-Dichlorobenzotrifl... | 11.969 | 214 | 80652 | 20.59 | ug/L | 94 |
| 109) n-Butylbenzene | 12.176 | 91 | 241038 | 20.29 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 170434 | 19.59 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.804 | 157 | 20354 | 19.77 | ug/L | 85 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 414255 | 61.71 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 117254 | 20.56 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 309812 | 42.37 | ug/L | 99 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 108371 | 20.40 | ug/L | 97 |
| 116) Hexachlorobt | 13.597 | 225 | 39607 | 20.06 | ug/L | 94 |
| 117) Naphthalen | 13.645 | 128 | 292940 | 20.26 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 102163 | 19.12 | ug/L | 95 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 54212 | 26.69 | ug/L | 98 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 51944 | 27.04 | ug/L | 99 |

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

Data Path : I:\ACQDATA\msvoa10\data\032023\
Data File : B9133.D
Acq On : 20 Mar 2023 11:11 am
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 11:26:18 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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 | 50.000 | 50.000 | 0.0 | 113 | 0.00 |
| 2 | Chlorodifluoromethane | 50.000 | 50.218 | -0.4 | 111 | 0.00 |
| 3 P | Dichlorodifluoromethane | 50.000 | 51.818 | -3.6 | 115 | 0.00 |
| 4 P | Chloromethane | 50.000 | 49.247 | 1.5 | 116 | 0.00 |
| 5 P | Vinyl Chloride | 50.000 | 48.604 | 2.8 | 117 | 0.00 |
| 6 P | Bromomethane | 50.000 | 44.469 | 11.1 | 120 | 0.00 |
| 7 P | Chloroethane | 50.000 | 43.646 | 12.7 | 101 | 0.00 |
| 8 | Freon 21 | 50.000 | 48.320 | 3.4 | 109 | 0.00 |
| 9 P | Trichlorofluoromethane | 50.000 | 50.948 | -1.9 | 126 | 0.00 |
| 10 | Diethyl Ether | 50.000 | 49.204 | 1.6 | 114 | 0.00 |
| 11 | Freon 123a | 50.000 | 48.863 | 2.3 | 109 | 0.00 |
| 12 | Freon 123 | 50.000 | 49.326 | 1.3 | 112 | 0.00 |
| 13 | Acrolein | 250.000 | 219.029 | 12.4 | 102 | 0.00 |
| 14 | 1,1-Dicethene | 50.000 | 48.312 | 3.4 | 116 | 0.00 |
| 15 P | Freon 113 | 50.000 | 50.667 | -1.3 | 128 | 0.00 |
| 16 P | Acetone | 50.000 | 48.550 | 2.9 | 115 | 0.00 |
| 17 | 2-Propanol | 1000.000 | 955.759 | 4.4 | 108 | 0.00 |
| 18 | Iodomethane | 50.000 | 48.585 | 2.8 | 112 | 0.00 |
| 19 P | Carbon Disulfide | 50.000 | 48.891 | 2.2 | 124 | 0.00 |
| 20 | Acetonitrile | 250.000 | 275.834 | -10.3 | 111 | 0.00 |
| 21 | Allyl Chloride | 50.000 | 50.217 | -0.4 | 122 | 0.00 |
| 22 P | Methyl Acetate | 50.000 | 53.892 | -7.8 | 124 | 0.00 |
| 23 P | Methylene Chloride | 50.000 | 43.812 | 12.4 | 109 | 0.00 |
| 24 | TBA | 1000.000 | 907.591 | 9.2 | 103 | 0.00 |
| 25 | Acrylonitrile | 250.000 | 245.071 | 2.0 | 110 | 0.00 |
| 26 P | Methyl-t-Butyl Ether | 50.000 | 48.073 | 3.9 | 107 | 0.00 |
| 27 P | trans-1,2-Dichloroethene | 50.000 | 48.174 | 3.7 | 115 | 0.00 |
| 28 P | 1,1-Dicethane | 50.000 | 47.391 | 5.2 | 116 | 0.00 |
| 29 | Vinyl Acetate | 50.000 | 50.467 | -0.9 | 109 | 0.00 |
| 30 | DIPE | 50.000 | 47.595 | 4.8 | 101 | 0.00 |
| 31 | 2-Chloro-1,3-Butadiene | 50.000 | 55.992 | -12.0 | 134 | 0.00 |
| 32 | ETBE | 50.000 | 49.073 | 1.9 | 106 | 0.00 |
| 33 | 2,2-Dichloropropane | 50.000 | 59.299 | -18.6 | 141 | 0.00 |
| 34 P | cis-1,2-Dichloroethene | 50.000 | 47.440 | 5.1 | 114 | -0.01 |
| 35 P | 2-Butanone | 50.000 | 47.179 | 5.6 | 108 | 0.00 |
| 36 | Propionitrile | 250.000 | 248.294 | 0.7 | 107 | -0.01 |
| 37 | Bromochloromethane | 50.000 | 46.261 | 7.5 | 111 | 0.00 |
| 38 | Methacrylonitrile | 50.000 | 44.949 | 10.1 | 104 | 0.00 |
| 39 | Tetrahydrofuran | 50.000 | 47.133 | 5.7 | 104 | -0.01 |
| 40 P | Chloroform | 50.000 | 47.005 | 6.0 | 114 | 0.00 |
| 41 P | 1,1,1-Trichloroethane | 50.000 | 49.537 | 0.9 | 120 | 0.00 |
| 42 i | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 116 | 0.00 |
| 43 P | Cyclohexane | 50.000 | 50.192 | -0.4 | 119 | 0.00 |
| 44 s | surr4,Dibrflmethane | 50.000 | 46.738 | 6.5 | 111 | 0.00 |
| 45 P | Carbontetrachloride | 50.000 | 53.003 | -6.0 | 130 | -0.01 |
| 46 | 1,1-Dichloropropene | 50.000 | 48.118 | 3.8 | 120 | 0.00 |
| 47 s | surr1,1,2-dichloroethane-d4 | 50.000 | 47.134 | 5.7 | 112 | 0.00 |
| 48 P | Benzene | 50.000 | 45.677 | 8.6 | 111 | 0.00 |
| 49 P | 1,2-Dichloroethane | 50.000 | 47.743 | 4.5 | 112 | 0.00 |
| 50 | Iso-Butyl Alcohol | 1000.000 | 975.844 | 2.4 | 108 | 0.00 |
| 51 | TAME | 50.000 | 44.925 | 10.2 | 101 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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 | 50.000 | 54.320 | -8.6 | 145 | 0.00 |
| 53 | 1-Butanol | 2500.000 | 2496.092 | 0.2 | 104 | 0.00 |
| 54 P | Trichloroethene | 50.000 | 45.239 | 9.5 | 114 | 0.00 |
| 55 P | Methylcyclohexane | 50.000 | 50.571 | -1.1 | 117 | 0.00 |
| 56 P | 1,2-Diclp propane | 50.000 | 48.399 | 3.2 | 111 | 0.00 |
| 57 | Dibromomethane | 50.000 | 45.716 | 8.6 | 110 | 0.00 |
| 58 | 1,4-Dioxane | 1000.000 | 894.593 | 10.5 | 107 | -0.01 |
| 59 | Methyl Methacrylate | 50.000 | 47.401 | 5.2 | 105 | 0.00 |
| 60 P | Bromodichloromethane | 50.000 | 47.459 | 5.1 | 113 | 0.00 |
| 61 | 2-Nitropropane | 100.000 | 121.333 | -21.3# | 129 | 0.00 |
| 62 | 2-Chloroethylvinyl Ether | 50.000 | 62.352 | -24.7# | 145 | 0.00 |
| 63 P | cis-1,3-Dichloropropene | 50.000 | 50.800 | -1.6 | 118 | 0.00 |
| 64 P | 4-Methyl-2-pentanone | 50.000 | 46.021 | 8.0 | 107 | 0.00 |
| 65 s | SURR3,Toluene-d8 | 50.000 | 45.270 | 9.5 | 108 | 0.00 |
| 66 P | Toluene | 50.000 | 47.049 | 5.9 | 115 | 0.00 |
| 67 P | trans-1,3-Dichloropropene | 50.000 | 54.705 | -9.4 | 120 | 0.00 |
| 68 | Ethyl Methacrylate | 50.000 | 48.616 | 2.8 | 106 | 0.00 |
| 69 P | 1,1,2-Trichloroethane | 50.000 | 45.060 | 9.9 | 107 | 0.00 |
| 70 s | SURR2,BFB | 50.000 | 48.651 | 2.7 | 114 | 0.00 |
| 71 i | d5-Chlorobenzene | 50.000 | 50.000 | 0.0 | 118 | 0.00 |
| 72 P | Tetrachloroethene | 50.000 | 47.334 | 5.3 | 119 | 0.00 |
| 73 P | 2-Hexanone | 50.000 | 44.298 | 11.4 | 101 | 0.00 |
| 74 | 1,3-Dichloropropane | 50.000 | 44.261 | 11.5 | 109 | 0.00 |
| 75 P | Dibromochloromethane | 50.000 | 50.043 | -0.1 | 110 | 0.00 |
| 76 | N-Butyl Acetate | 50.000 | 46.269 | 7.5 | 103 | 0.00 |
| 77 P | 1,2-Dibromoethane | 50.000 | 47.962 | 4.1 | 110 | 0.00 |
| 78 | 3-Chlorobenzotrifluoride | 50.000 | 44.956 | 10.1 | 104 | 0.00 |
| 79 P | Chlorobenzene | 50.000 | 45.881 | 8.2 | 116 | 0.00 |
| 80 | 4-Chlorobenzotrifluoride | 50.000 | 45.518 | 9.0 | 101 | 0.00 |
| 81 | 1,1,1,2-Tetrachloroethane | 50.000 | 52.406 | -4.8 | 121 | 0.00 |
| 82 P | Ethylbenzene | 50.000 | 45.883 | 8.2 | 117 | 0.00 |
| 83 P | (m+p)Xylene | 100.000 | 91.517 | 8.5 | 116 | 0.00 |
| 84 P | o-Xylene | 50.000 | 45.224 | 9.6 | 114 | 0.00 |
| 85 P | Styrene | 50.000 | 46.574 | 6.9 | 112 | 0.00 |
| 86 P | Bromoform | 50.000 | 50.198 | -0.4 | 116 | 0.00 |
| 87 | 2-Chlorobenzotrifluoride | 50.000 | 46.135 | 7.7 | 102 | 0.00 |
| 88 P | Isopropylbenzene | 50.000 | 45.361 | 9.3 | 115 | 0.00 |
| 89 | Cyclohexanone | 1000.000 | 717.520 | 28.2# | 80 | 0.00 |
| 90 | trans-1,4-Dichloro-2-Butene | 50.000 | 54.715 | -9.4 | 124 | 0.00 |
| 91 i | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 122 | 0.00 |
| 92 P | 1,1,2,2-Tetrachloroethane | 50.000 | 44.187 | 11.6 | 111 | 0.00 |
| 93 | Bromobenzene | 50.000 | 41.590 | 16.8 | 110 | 0.00 |
| 94 | 1,2,3-Trichloropropane | 50.000 | 43.015 | 14.0 | 112 | 0.00 |
| 95 | n-Propylbenzene | 50.000 | 44.991 | 10.0 | 120 | 0.00 |
| 96 | 2-Chlorotoluene | 50.000 | 43.275 | 13.5 | 116 | 0.00 |
| 97 | 3-Chlorotoluene | 50.000 | 43.041 | 13.9 | 99 | 0.00 |
| 98 | 4-Chlorotoluene | 50.000 | 45.410 | 9.2 | 122 | 0.00 |
| 99 | 1,3,5-Trimethylbenzene | 50.000 | 44.279 | 11.4 | 118 | 0.00 |
| 100 | tert-Butylbenzene | 50.000 | 43.437 | 13.1 | 117 | 0.00 |
| 101 | 1,2,4-Trimethylbenzene | 50.000 | 45.296 | 9.4 | 116 | 0.00 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV Inst : MSVOA10
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 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-Dichlorobenzotrifluorid | 50.000 | 44.368 | 11.3 | 104 | 0.00 |
| 103 | sec-Butylbenzene | 50.000 | 44.031 | 11.9 | 118 | 0.00 |
| 104 | p-Isopropyltoluene | 50.000 | 44.137 | 11.7 | 118 | 0.00 |
| 105 P | 1,3-Dclbenz | 50.000 | 44.247 | 11.5 | 114 | 0.00 |
| 106 P | 1,4-Dclbenz | 50.000 | 43.021 | 14.0 | 115 | 0.00 |
| 107 | 2,4-Dichlorobenzotrifluorid | 50.000 | 44.168 | 11.7 | 107 | 0.00 |
| 108 | 2,5-Dichlorobenzotrifluorid | 50.000 | 45.356 | 9.3 | 107 | 0.00 |
| 109 | n-Butylbenzene | 50.000 | 45.923 | 8.2 | 122 | 0.00 |
| 110 P | 1,2-Dclbenz | 50.000 | 43.133 | 13.7 | 110 | 0.00 |
| 111 P | 1,2-Dibromo-3-chloropropane | 50.000 | 48.773 | 2.5 | 114 | 0.00 |
| 112 | Trielution Dichlorotoluene | 150.000 | 141.194 | 5.9 | 105 | 0.00 |
| 113 | 1,3,5-Trichlorobenzene | 50.000 | 45.843 | 8.3 | 104 | 0.00 |
| 114 | Coelution Dichlorotoluene | 100.000 | 96.067 | 3.9 | 106 | 0.00 |
| 115 P | 1,2,4-Tcbenzene | 50.000 | 46.575 | 6.8 | 115 | 0.00 |
| 116 | Hexachlorobt | 50.000 | 44.981 | 10.0 | 128 | 0.00 |
| 117 | Naphthalen | 50.000 | 46.834 | 6.3 | 110 | 0.00 |
| 118 | 1,2,3-Tclbenzene | 50.000 | 45.512 | 9.0 | 113 | 0.00 |
| 119 | 2,4,5-Trichlorotoluene | 50.000 | 57.685 | -15.4 | 121 | 0.00 |
| 120 | 2,3,6-Trichlorotoluene | 50.000 | 59.085 | -18.2 | 127 | 0.00 |

(#) = Out of Range

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

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|--------|------|----------|-------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.391 | 168 | 340113 | 50.00 | ug/L | 0.00 |
| 42) 1,4-Difluorobenzene | 6.488 | 114 | 530207 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.811 | 117 | 497877 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.859 | 152 | 281754 | 50.00 | ug/L | 0.00 |

| | | | | | | |
|-------------------------------|--------|----------------|------------|--------|------|------|
| System Monitoring Compounds | | | | | | |
| 44) surr4,Dibrflmethane | 5.239 | 113 | 160442 | 46.74 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery = | 93.48% | | |
| 47) surr1,1,2-dichloroetha... | 5.787 | 65 | 188032 | 47.13 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery = | 94.26% | | |
| 65) SURR3,Toluene-d8 | 8.317 | 98 | 604555 | 45.27 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery = | 90.54% | | |
| 70) SURR2,BFB | 10.884 | 95 | 229352 | 48.65 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery = | 97.30% | | |

| Target Compounds | | | | | | Qvalue |
|------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Chlorodifluoromethane | 1.154 | 51 | 228079 | 50.22 | ug/L | 98 |
| 3) Dichlorodifluoromethane | 1.148 | 85 | 163740 | 51.82 | ug/L | 97 |
| 4) Chloromethane | 1.276 | 50 | 238403 | 49.25 | ug/L | 94 |
| 5) Vinyl Chloride | 1.355 | 62 | 236227 | 48.60 | ug/L | 98 |
| 6) Bromomethane | 1.581 | 94 | 129861 | 44.47 | ug/L | 98 |
| 7) Chloroethane | 1.660 | 64 | 106082 | 43.65 | ug/L | 98 |
| 8) Freon 21 | 1.806 | 67 | 280758 | 48.32 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.855 | 101 | 236371 | 50.95 | ug/L | 99 |
| 10) Diethyl Ether | 2.087 | 59 | 153617 | 49.20 | ug/L | 94 |
| 11) Freon 123a | 2.093 | 67 | 181164 | 48.86 | ug/L | 88 |
| 12) Freon 123 | 2.142 | 83 | 212426 | 49.33 | ug/L | 95 |
| 13) Acrolein | 2.190 | 56 | 184374 | 219.03 | ug/L | 98 |
| 14) 1,1-Dicethene | 2.282 | 96 | 130026 | 48.31 | ug/L | 94 |
| 15) Freon 113 | 2.282 | 101 | 138349 | 50.67 | ug/L | 96 |
| 16) Acetone | 2.318 | 43 | 79681 | 48.55 | ug/L | 97 |
| 17) 2-Propanol | 2.453 | 45 | 279767 | 955.76 | ug/L | 98 |
| 18) Iodomethane | 2.416 | 142 | 203282 | 48.59 | ug/L | 98 |
| 19) Carbon Disulfide | 2.477 | 76 | 413370 | 48.89 | ug/L | 100 |
| 20) Acetonitrile | 2.574 | 41 | 175807 | 275.83 | ug/L | 96 |
| 21) Allyl Chloride | 2.611 | 76 | 69187 | 50.22 | ug/L | 98 |
| 22) Methyl Acetate | 2.635 | 43 | 234967 | 53.89 | ug/L | 95 |
| 23) Methylene Chloride | 2.733 | 84 | 146192 | 43.81 | ug/L | 94 |
| 24) TBA | 2.855 | 59 | 370948 | 907.59 | ug/L | 88 |
| 25) Acrylonitrile | 2.983 | 53 | 446916 | 245.07 | ug/L | 97 |
| 26) Methyl-t-Butyl Ether | 3.032 | 73 | 425389 | 48.07 | ug/L | 97 |
| 27) trans-1,2-Dichloroethene | 3.026 | 96 | 142196 | 48.17 | ug/L | 95 |
| 28) 1,1-Dicethane | 3.525 | 63 | 273348 | 47.39 | ug/L | 98 |
| 29) Vinyl Acetate | 3.617 | 86 | 20215 | 50.47 | ug/L # | 40 |
| 30) DIPE | 3.647 | 45 | 632816 | 47.59 | ug/L | 98 |
| 31) 2-Chloro-1,3-Butadiene | 3.647 | 53 | 305999 | 55.99 | ug/L | 97 |
| 32) ETBE | 4.184 | 59 | 433792 | 49.07 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.361 | 77 | 155373 | 59.30 | ug/L | 98 |
| 34) cis-1,2-Dichloroethene | 4.367 | 96 | 163133 | 47.44 | ug/L | 89 |
| 35) 2-Butanone | 4.409 | 43 | 128029 | 47.18 | ug/L | 97 |
| 36) Propionitrile | 4.495 | 54 | 178920 | 248.29 | ug/L | 93 |
| 37) Bromochloromethane | 4.769 | 130 | 114577 | 46.26 | ug/L | 98 |
| 38) Methacrylonitrile | 4.769 | 67 | 76203 | 44.95 | ug/L # | 80 |
| 39) Tetrahydrofuran | 4.848 | 42 | 73546 | 47.13 | ug/L | 98 |
| 40) Chloroform | 4.946 | 83 | 261416 | 47.00 | ug/L | 97 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|---------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 5.251 | 97 | 201221 | 49.54 | ug/L | 98 |
| 43) Cyclohexane | 5.336 | 41 | 197909 | 50.19 | ug/L | 95 |
| 45) Carbontetrachloride | 5.525 | 117 | 177502 | 53.00 | ug/L | 98 |
| 46) 1,1-Dichloropropene | 5.543 | 75 | 190037 | 48.12 | ug/L | 96 |
| 48) Benzene | 5.866 | 78 | 576486 | 45.68 | ug/L | 96 |
| 49) 1,2-Dichloroethane | 5.903 | 62 | 240761 | 47.74 | ug/L | 96 |
| 50) Iso-Butyl Alcohol | 5.879 | 43 | 209028 | 975.84 | ug/L | 100 |
| 51) TAME | 6.104 | 73 | 352365 | 44.93 | ug/L | 97 |
| 52) n-Heptane | 6.360 | 43 | 232036 | 54.32 | ug/L | 94 |
| 53) 1-Butanol | 6.848 | 56 | 284741 | 2496.09 | ug/L | 95 |
| 54) Trichloroethene | 6.817 | 130 | 161765 | 45.24 | ug/L | 94 |
| 55) Methylcyclohexane | 7.061 | 55 | 228775 | 50.57 | ug/L | 90 |
| 56) 1,2-Diclpropane | 7.098 | 63 | 166585 | 48.40 | ug/L | 99 |
| 57) Dibromomethane | 7.244 | 93 | 101920 | 45.72 | ug/L | 95 |
| 58) 1,4-Dioxane | 7.299 | 88 | 54350 | 894.59 | ug/L | 90 |
| 59) Methyl Methacrylate | 7.330 | 69 | 115490 | 47.40 | ug/L | # 83 |
| 60) Bromodichloromethane | 7.470 | 83 | 201662 | 47.46 | ug/L | 96 |
| 61) 2-Nitropropane | 7.756 | 41 | 112294 | 121.33 | ug/L | 90 |
| 62) 2-Chloroethylvinyl Ether | 7.878 | 63 | 93015 | 62.35 | ug/L | 98 |
| 63) cis-1,3-Dichloropropene | 8.018 | 75 | 215485 | 50.80 | ug/L | 97 |
| 64) 4-Methyl-2-pentanone | 8.226 | 43 | 243258 | 46.02 | ug/L | 97 |
| 66) Toluene | 8.390 | 91 | 652285 | 47.05 | ug/L | 97 |
| 67) trans-1,3-Dichloropropene | 8.659 | 75 | 180811 | 54.70 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.799 | 69 | 207751 | 48.62 | ug/L | 95 |
| 69) 1,1,2-Trichloroethane | 8.848 | 97 | 148577 | 45.06 | ug/L | 96 |
| 72) Tetrachloroethene | 8.982 | 164 | 124943 | 47.33 | ug/L | 95 |
| 73) 2-Hexanone | 9.140 | 43 | 168232 | 44.30 | ug/L | 98 |
| 74) 1,3-Dichloropropane | 9.018 | 76 | 251400 | 44.26 | ug/L | 98 |
| 75) Dibromochloromethane | 9.244 | 129 | 169147 | 50.04 | ug/L | 96 |
| 76) N-Butyl Acetate | 9.293 | 43 | 347847 | 46.27 | ug/L | 97 |
| 77) 1,2-Dibromoethane | 9.341 | 107 | 159620 | 47.96 | ug/L | 97 |
| 78) 3-Chlorobenzotrifluoride | 9.854 | 180 | 232242 | 44.96 | ug/L | 98 |
| 79) Chlorobenzene | 9.835 | 112 | 439872 | 45.88 | ug/L | 97 |
| 80) 4-Chlorobenzotrifluoride | 9.908 | 180 | 203854 | 45.52 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.921 | 131 | 156372 | 52.41 | ug/L | 97 |
| 82) Ethylbenzene | 9.957 | 106 | 226248 | 45.88 | ug/L | 97 |
| 83) (m+p)Xylene | 10.067 | 106 | 558046 | 91.52 | ug/L | 100 |
| 84) o-Xylene | 10.427 | 106 | 274152 | 45.22 | ug/L | 99 |
| 85) Styrene | 10.439 | 104 | 476779 | 46.57 | ug/L | 99 |
| 86) Bromoform | 10.591 | 173 | 109553 | 50.20 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.670 | 180 | 224535 | 46.14 | ug/L | 93 |
| 88) Isopropylbenzene | 10.762 | 105 | 653865 | 45.36 | ug/L | 99 |
| 89) Cyclohexanone | 10.823 | 55 | 525084 | 717.52 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 11.067 | 53 | 49015 | 54.72 | ug/L | 88 |
| 92) 1,1,2,2-Tetrachloroethane | 11.018 | 83 | 224643 | 44.19 | ug/L | 99 |
| 93) Bromobenzene | 11.006 | 156 | 202249 | 41.59 | ug/L | 99 |
| 94) 1,2,3-Trichloropropane | 11.048 | 110 | 69435 | 43.01 | ug/L | # 89 |
| 95) n-Propylbenzene | 11.115 | 91 | 818458 | 44.99 | ug/L | 97 |
| 96) 2-Chlorotoluene | 11.183 | 91 | 490290 | 43.27 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.231 | 91 | 503232 | 43.04 | ug/L | 98 |
| 98) 4-Chlorotoluene | 11.274 | 91 | 593989 | 45.41 | ug/L | 98 |
| 99) 1,3,5-Trimethylbenzene | 11.268 | 105 | 610875 | 44.28 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.542 | 119 | 509441 | 43.44 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.579 | 105 | 599451 | 45.30 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.640 | 214 | 168407 | 44.37 | ug/L | 97 |
| 103) sec-Butylbenzene | 11.725 | 105 | 708220 | 44.03 | ug/L | 100 |

Data Path : I:\ACQUDATA\msvoa10\data\032023\
 Data File : B9132.D
 Acq On : 20 Mar 2023 10:34 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Mar 20 10:48:59 2023
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Tue Jan 24 09:33:07 2023
 Response via : Initial Calibration

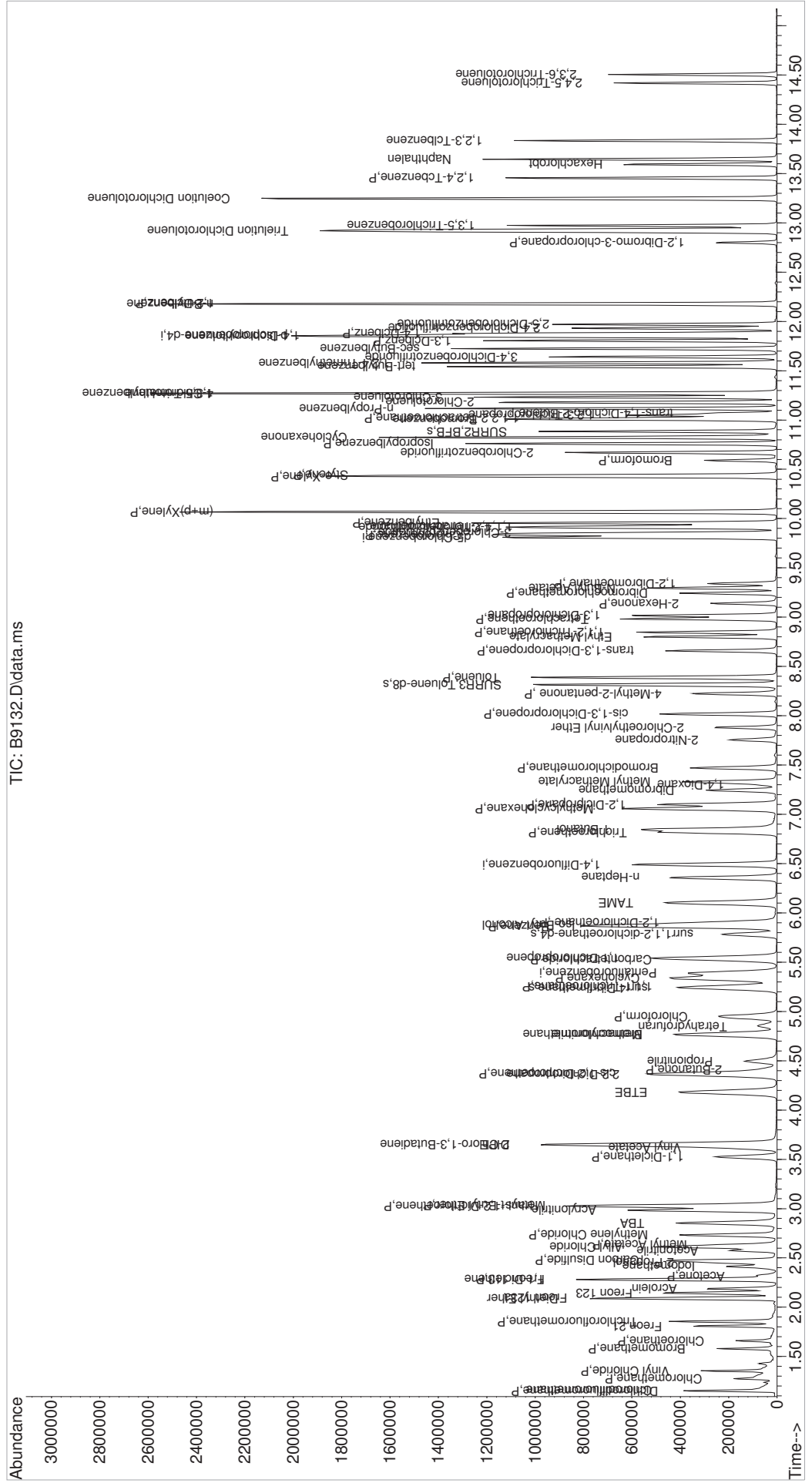
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|--------|-------|-----------|
| 104) p-Isopropyltoluene | 11.847 | 119 | 640031 | 44.14 | ug/L | 99 |
| 105) 1,3-Dclbenz | 11.804 | 146 | 374199 | 44.25 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.878 | 146 | 382981 | 43.02 | ug/L | 100 |
| 107) 2,4-Dichlorobenzotrifl... | 11.932 | 214 | 156311 | 44.17 | ug/L | 100 |
| 108) 2,5-Dichlorobenzotrifl... | 11.975 | 214 | 177860 | 45.36 | ug/L | 97 |
| 109) n-Butylbenzene | 12.176 | 91 | 546129 | 45.92 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.182 | 146 | 375600 | 43.13 | ug/L | 96 |
| 111) 1,2-Dibromo-3-chloropr... | 12.798 | 157 | 50253 | 48.77 | ug/L | 92 |
| 112) Trielution Dichlorotol... | 12.920 | 125 | 948702 | 141.19 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.975 | 180 | 261660 | 45.84 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.249 | 125 | 703119 | 96.07 | ug/L | 100 |
| 115) 1,2,4-Tcbenzene | 13.456 | 180 | 258716 | 46.58 | ug/L | 99 |
| 116) Hexachlorobt | 13.597 | 225 | 88894 | 44.98 | ug/L | 97 |
| 117) Naphthalen | 13.645 | 128 | 709248 | 46.83 | ug/L | 100 |
| 118) 1,2,3-Tclbenzene | 13.834 | 180 | 253261 | 45.51 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.420 | 159 | 134689 | 57.68 | ug/L | 97 |
| 120) 2,3,6-Trichlorotoluene | 14.505 | 159 | 127685 | 59.09 | ug/L | 95 |

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

Data Path : I:\ACQDATA\msvoa10\data\032023\
Data File : B9132.D
Acq On : 20 Mar 2023 10:34 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

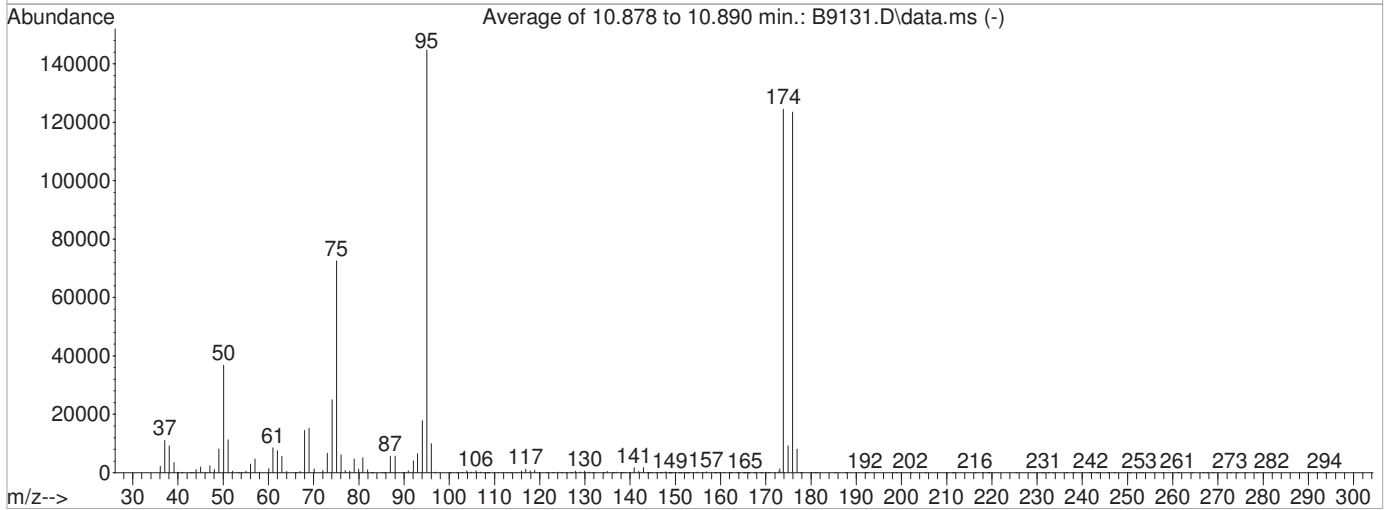
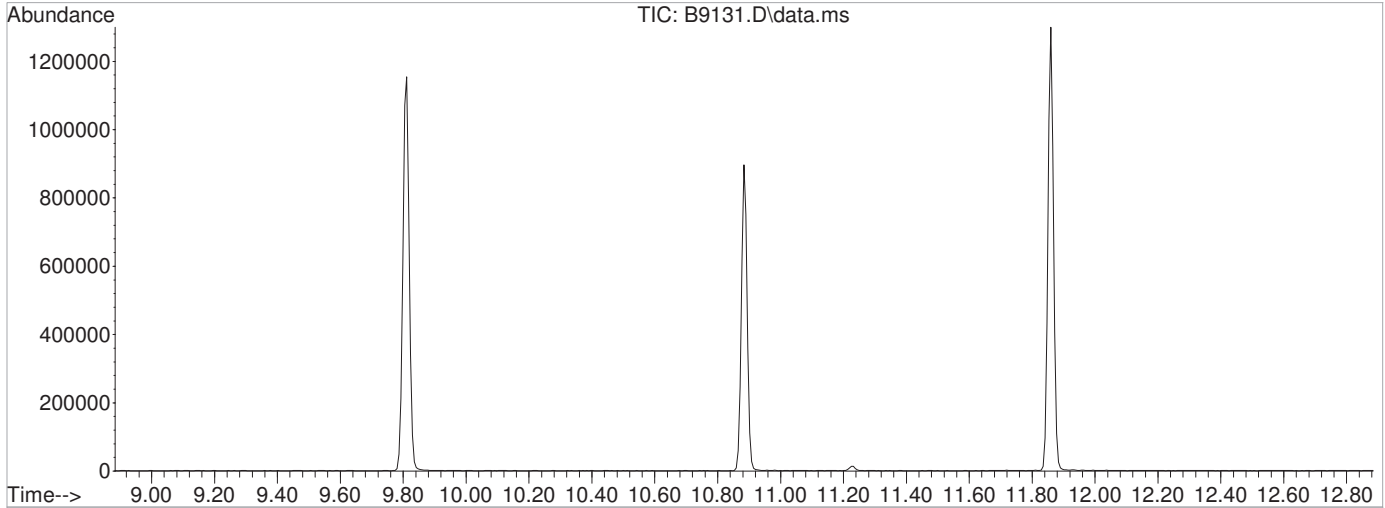
Quant Time: Mar 20 10:48:59 2023
Quant Method : I:\ACQDATA\msvoa10\Methods\W012323.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Jan 24 09:33:07 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\032023\
Data File : B9131.D
Acq On : 20 Mar 2023 9:59 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1
Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W012323.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Tue Jan 24 09:33:07 2023



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1598

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 25.4 | 36824 | PASS |
| 75 | 95 | 30 | 60 | 50.1 | 72491 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 144736 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 9988 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 1340 | PASS |
| 174 | 95 | 50 | 120 | 86.0 | 124416 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 9261 | PASS |
| 176 | 174 | 95 | 101 | 99.2 | 123440 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 8133 | PASS |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|---|------------------|
| 01 | RC2300008-01 | 0.5 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7784.D | 01/23/2023 17:10 |
| 02 | RC2300008-02 | 1 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7785.D | 01/23/2023 17:32 |
| 03 | RC2300008-03 | 2 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7786.D | 01/23/2023 17:53 |
| 04 | RC2300008-04 | 5 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7787.D | 01/23/2023 18:15 |
| 05 | RC2300008-05 | 20 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7788.D | 01/23/2023 18:37 |
| 06 | RC2300008-06 | 50 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7789.D | 01/23/2023 18:59 |
| 07 | RC2300008-07 | 100 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7790.D | 01/23/2023 19:21 |
| 08 | RC2300008-08 | 150 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7791.D | 01/23/2023 19:42 |
| 09 | RC2300008-09 | 200 PPB STD | I:\ACQUDATA\msvoa10\data\012323\B7792.D | 01/23/2023 20:04 |

Analyte

1,1,1-Trichloroethane (TCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.5683 | 02 | 1.000 | 0.5228 | 03 | 2.000 | 0.6559 | 04 | 5.000 | 0.5987 |
| 05 | 20.000 | 0.508 | 06 | 50.000 | 0.5597 | 07 | 100.000 | 0.5575 | 08 | 150.000 | 0.6922 |
| 09 | 200.000 | 0.7114 | | | | | | | | | |

1,1-Dichloroethane (1,1-DCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.8789 | 02 | 1.000 | 0.8628 | 03 | 2.000 | 0.9049 | 04 | 5.000 | 0.8615 |
| 05 | 20.000 | 0.7769 | 06 | 50.000 | 0.785 | 07 | 100.000 | 0.777 | 08 | 150.000 | 0.8825 |
| 09 | 200.000 | 0.9019 | | | | | | | | | |

1,1-Dichloroethene (1,1-DCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.3019 | 02 | 1.000 | 0.4409 | 03 | 2.000 | 0.4625 | 04 | 5.000 | 0.4197 |
| 05 | 20.000 | 0.3449 | 06 | 50.000 | 0.372 | 07 | 100.000 | 0.3592 | 08 | 150.000 | 0.4242 |
| 09 | 200.000 | 0.4356 | | | | | | | | | |

4-Bromofluorobenzene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.4732 | 05 | 20.000 | 0.4257 | 06 | 50.000 | 0.4384 | 07 | 100.000 | 0.4496 |
| 08 | 200.000 | 0.436 | | | | | | | | | |

Dibromofluoromethane

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.3615 | 05 | 20.000 | 0.3123 | 06 | 50.000 | 0.3158 | 07 | 100.000 | 0.3199 |
| 08 | 200.000 | 0.3092 | | | | | | | | | |

Tetrachloroethene (PCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.225 | 02 | 1.000 | 0.2803 | 03 | 2.000 | 0.2626 | 04 | 5.000 | 0.2828 |
| 05 | 20.000 | 0.2467 | 06 | 50.000 | 0.2479 | 07 | 100.000 | 0.2445 | 08 | 150.000 | 0.2942 |
| 09 | 200.000 | 0.3016 | | | | | | | | | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Toluene-d8

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|-------|----|--------|-------|----|--------|-------|----|---------|-------|
| 04 | 10.000 | 1.439 | 05 | 20.000 | 1.238 | 06 | 50.000 | 1.226 | 07 | 100.000 | 1.221 |
| 08 | 200.000 | 1.173 | | | | | | | | | |

Trichloroethene (TCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.3817 | 02 | 1.000 | 0.3416 | 03 | 2.000 | 0.3283 | 04 | 5.000 | 0.329 |
| 05 | 20.000 | 0.3027 | 06 | 50.000 | 0.31 | 07 | 100.000 | 0.3115 | 08 | 150.000 | 0.3584 |
| 09 | 200.000 | 0.3717 | | | | | | | | | |

Vinyl Chloride

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.82 | 02 | 1.000 | 0.6159 | 03 | 2.000 | 0.7396 | 04 | 5.000 | 0.7315 |
| 05 | 20.000 | 0.6474 | 06 | 50.000 | 0.672 | 07 | 100.000 | 0.6496 | 08 | 150.000 | 0.781 |
| 09 | 200.000 | 0.7735 | | | | | | | | | |

cis-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.4257 | 02 | 1.000 | 0.5304 | 03 | 2.000 | 0.5429 | 04 | 5.000 | 0.5558 |
| 05 | 20.000 | 0.4675 | 06 | 50.000 | 0.4778 | 07 | 100.000 | 0.4755 | 08 | 150.000 | 0.5352 |
| 09 | 200.000 | 0.5389 | | | | | | | | | |

trans-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.417 | 02 | 1.000 | 0.4185 | 03 | 2.000 | 0.4908 | 04 | 5.000 | 0.443 |
| 05 | 20.000 | 0.3846 | 06 | 50.000 | 0.4115 | 07 | 100.000 | 0.3967 | 08 | 150.000 | 0.4685 |
| 09 | 200.000 | 0.4748 | | | | | | | | | |

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

| 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 | 12.3 | ≤20 | 0.5972 | 0.100 |
| 1,1-Dichloroethane (1,1-DCA) | TRG | Average RF | % RSD | 6.3 | ≤20 | 0.8479 | 0.200 |
| 1,1-Dichloroethene (1,1-DCE) | TRG | Average RF | % RSD | 13.5 | ≤20 | 0.3957 | 0.100 |
| 4-Bromofluorobenzene | SURR | Average RF | % RSD | 4.1 | ≤20 | 0.4446 | |
| Dibromofluoromethane | SURR | Average RF | % RSD | 6.6 | ≤20 | 0.3237 | |
| Tetrachloroethene (PCE) | TRG | Average RF | % RSD | 9.8 | ≤20 | 0.2651 | 0.200 |
| Toluene-d8 | SURR | Average RF | % RSD | 8.2 | ≤20 | 1.259 | |
| Trichloroethene (TCE) | TRG | Average RF | % RSD | 8.4 | ≤20 | 0.3372 | 0.200 |
| Vinyl Chloride | TRG | Average RF | % RSD | 9.9 | ≤20 | 0.7145 | 0.100 |
| cis-1,2-Dichloroethene | TRG | Average RF | % RSD | 8.9 | ≤20 | 0.5055 | 0.100 |
| trans-1,2-Dichloroethene | TRG | Average RF | % RSD | 8.6 | ≤20 | 0.4339 | 0.100 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2302309
Calibration Date: 1/23/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300008
Instrument ID: R-MS-10

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|--|------------------|
| 10 | RC2300008-10 | 50 PPB ICV | I:\ACQDATA\msvoa10\data\012323\B7796.D | 01/23/2023 21:31 |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|----------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 50.9 | 5.972E-1 | 6.081E-1 | 1.83 | ±30 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 48.8 | 8.479E-1 | 8.268E-1 | -2.494 | ±30 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 48.6 | 3.957E-1 | 3.847E-1 | -2.763 | ±30 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 52.0 | 2.651E-1 | 2.758E-1 | 4.06 | ±30 | Average RF |
| Trichloroethene (TCE) | 50.0 | 50.5 | 3.372E-1 | 3.404E-1 | 0.939 | ±30 | Average RF |
| Vinyl Chloride | 50.0 | 39.7 | 7.145E-1 | 5.673E-1 | -20.606 | ±30 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 49.5 | 5.055E-1 | 5.004E-1 | -1.006 | ±30 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 49.3 | 4.339E-1 | 4.276E-1 | -1.467 | ±30 | Average RF |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|----------------------|----------|--------|------------|----------|--------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 51.0 | 4.446E-1 | 4.537E-1 | 2.05 | ±30 | Average RF |
| Dibromofluoromethane | 50.0 | 49.0 | 3.237E-1 | 3.17E-1 | -2.078 | ±30 | Average RF |
| Toluene-d8 | 50.0 | 49.2 | 1.259E0 | 1.24E0 | -1.504 | ±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: R2302309
Date Analyzed: 03/20/23 10:34

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa10\data\032023\B9132.D\
Signal ID: 1

Calibration Date: 1/23/2023
Calibration ID: RC2300008
Analysis Lot: 798118
Units: ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|--------|------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 49.5 | 0.5972 | 0.5916 | -0.9 | NA | ±20 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 47.4 | 0.8479 | 0.8037 | -5.2 | NA | ±20 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 48.3 | 0.3957 | 0.3823 | -3.4 | NA | ±20 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 47.3 | 0.2651 | 0.251 | -5.3 | NA | ±20 | Average RF |
| Trichloroethene (TCE) | 50.0 | 45.2 | 0.3372 | 0.3051 | -9.5 | NA | ±20 | Average RF |
| Vinyl Chloride | 50.0 | 48.6 | 0.7145 | 0.6946 | -2.8 | NA | ±20 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 47.4 | 0.5055 | 0.4796 | -5.1 | NA | ±20 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 48.2 | 0.4339 | 0.4181 | -3.7 | NA | ±20 | Average RF |

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|----------------------|----------|--------|------------|--------|------|---------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 48.7 | 0.4446 | 0.4326 | -2.7 | NA | ±20 | Average RF |
| Dibromofluoromethane | 50.0 | 46.7 | 0.3237 | 0.3026 | -6.5 | NA | ±20 | Average RF |
| Toluene-d8 | 50.0 | 45.3 | 1.2594 | 1.1402 | -9.5 | NA | ±20 | Average RF |

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

Service Request:R2302309

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:798118
Instrument ID:R-MS-10

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|---|-------------------------------------|-----------------|----------------------|----------------------|----------|
| I:\ACQUADATA\msvoa10\data\032023\B9131.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 09:59:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9132.D\ | Continuing Calibration Verification | RQ2303181-02 | 3/20/2023 | 10:34:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9133.D\ | Lab Control Sample | RQ2303181-03 | 3/20/2023 | 11:11:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9134.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 11:33:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9135.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 12:09:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9136.D\ | Method Blank | RQ2303181-05 | 3/20/2023 | 12:40:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9137.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 13:03:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9138.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 13:28:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9139.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 13:51:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9140.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 14:14:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9142.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 15:00:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9143.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 15:23:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9144.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 15:46:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9145.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 16:08:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9146.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 16:31:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9147.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 16:54:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9148.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 17:17:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9149.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 17:40:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9150.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 18:03:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9151.D\ | MW-9 031623 | R2302309-002 | 3/20/2023 | 18:26:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9152.D\ | MW-10 031623 | R2302309-003 | 3/20/2023 | 18:48:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9153.D\ | MW-17 031623 | R2302309-004 | 3/20/2023 | 19:11:00 | |
| I:\ACQUADATA\msvoa10\data\032023\B9154.D\ | MW-16 031623 | R2302309-005 | 3/20/2023 | 19:34:00 | |

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

Service Request:R2302309

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:798118
Instrument ID:R-MS-10

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|--|--------------------|-----------------|----------------------|----------------------|----------|
| I:\ACQUDATA\msvoa10\data\032023 \B9155.D\ | Dup-031623 | R2302309-008 | 3/20/2023 | 19:57:00 | |
| I:\ACQUDATA\msvoa10\data\032023 \B9156.D\ | MW-8 031623 | R2302309-007 | 3/20/2023 | 20:20:00 | |
| I:\ACQUDATA\msvoa10\data\032023 \B9157.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 20:43:00 | |
| I:\ACQUDATA\msvoa10\data\032023 \B9158.D\ | ZZZZZZZ | ZZZZZZZ | 3/20/2023 | 21:06:00 | |

Analysis: 8200/L24
 Date: 3/20/23
 Analyst: F. Nuyt
 Balance ID: -
 pH strips: 228421
 ResCl strips: 123020E
 Instr: MS 10
 50 mL Class A used for dilution FV
 Syringes: 177917 / 248709
 Tune Method: W012323.M / E012323.M
 Run Method: -
 LIMS Run#: 798118

Data Path: j:\acq\data\msvoa\inst\ID\Date)

| Pos. | Sample | Diln. | Diln. Prep/ | RL | Vial | HS | CI | pH | File# | OK? | Comments |
|------|----------------|-------|-------------------|-------|------|----|-----|-----|-------|-----|----------|
| 1 | Bulk | | | | | | | | 89129 | Y | |
| 2 | Bulk | | | | | | | | 30 | Y | |
| 3 | TRUE | | | | | | | | 31 | Y | |
| 1 | CCV | | | | | | | | 32 | Y | |
| 2 | LS-MWP | | | | | | | | 33 | Y | |
| 3 | LS-FP | | | | | | | | 34 | Y | |
| 4 | LS-EK | | | | | | | | 35 | Y | |
| 5 | MBUC-MWP | | | | | | | | 36 | Y | |
| 6 | MBUC-FP | | | | | | | | 37 | Y | |
| 7 | R2302296-001 | 1.0 | | 17490 | 1 | N | NE5 | (7) | 38 | Y | |
| 8 | R2302314-001 | 1.0 | | 11851 | 1 | N | NE5 | (7) | 39 | Y | |
| 9 | ↓ | 1.0 | | ↓ | 1 | N | NE5 | (7) | 40 | Y | |
| 10 | R2302310-001 | 5.0 | 10/50mL | 22669 | 1 | N | NE5 | (7) | 41 | Y | Rp+1/2 |
| 11 | ↓ | 5.0 | ↓ | ↓ | 1 | N | NE5 | (7) | 42 | Y | Rp+1/250 |
| 12 | ↓ | 5.0 | 1/50mL | ↓ | 1 | N | NE5 | (6) | 43 | Y | |
| 13 | ↓ | 5.0 | 10/50mL | ↓ | 1 | N | NE5 | (7) | 44 | Y | Rp+1/50 |
| 14 | ↓ | 25.0 | 2/50mL | ↓ | 1 | N | NE5 | (8) | 45 | Y | FOAMTY! |
| 15 | ↓ | 2.0 | 25/50mL | ↓ | 2 | N | NE5 | (7) | 46 | Y | |
| 16 | ↓ | 200.0 | 2.5/50mL → 5/50mL | ↓ | 2 | N | NE5 | (7) | 47 | Y | |
| 17 | ↓ | 50.0 | 1/50mL | ↓ | 2 | N | NE5 | (7) | 48 | Y | |
| 18 | R2302309-001 | 1.0 | | 6046 | 1 | N | - | (2) | 49 | Y | |
| 19 | ↓ | 1.0 | | ↓ | 1 | N | - | (2) | 50 | Y | |
| 20 | ↓ | 1.0 | | 7979 | 1 | N | - | (7) | 51 | Y | |
| 21 | ↓ | 1.0 | | ↓ | 1 | N | - | (7) | 52 | Y | |
| 22 | ↓ | 1.0 | | ↓ | 1 | N | - | (7) | 53 | Y | |
| 23 | ↓ | 1.0 | | ↓ | 1 | N | - | (7) | 54 | Y | |
| 24 | ↓ | 1.0 | | ↓ | 1 | N | - | (7) | 55 | Y | |
| 25 | ↓ | 1.0 | | ↓ | 1 | N | - | (7) | 56 | Y | |
| 26 | R2302296-001MS | 1.0 | | 17490 | 2 | N | NE5 | (7) | 57 | Y | |
| 27 | ↓ | 1.0 | | ↓ | 3 | N | NE5 | (7) | 58 | Y | |
| 28 | Bulk | | | | | | | | 59 | Y | |
| 29 | ↓ | | | | | | | | 60 | Y | |

All samples = 5 mL + 5 uL combined IS/
 T16 Primary 500 : 228037 - 5uL/5mL
 FR Primary : 228045 -
 FR Primary : 228047 -
 OCC Primary : 228090 -
 Primary :
 T16 Secondary 200 : 227185 - 5uL
 FR Secondary 500 : 2271959 - 21
 FR Secondary : 228096 -
 OCC Secondary : 228098 -
 Secondary 200 : 228092 - 5uL
 Combined IS/Surr :
 Surrogate 50 : 227832
 Internal Std 50 : 227831
 Reagents :
 O-1103 Page 43 of 200
 Runlog-MSVOA5 1/11/22



September 19, 2023

Service Request No:R2308315

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

Laboratory Results for: Dover Binghamton

Dear Ms.MacCarter, LSRP,

Enclosed are the results of the sample(s) submitted to our laboratory September 12, 2023
For your reference, these analyses have been assigned our service request number **R2308315**.

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

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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www.alsglobal.com

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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
Sample Matrix: Water

Service Request: R2308315
Date Received: 09/12/2023

CASE NARRATIVE

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

Sample Receipt:

Twelve water samples were received for analysis at ALS Environmental on 09/12/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 09/14/2023: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 09/14/2023: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Approved by _____

Date 09/19/2023



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:R2308315

SAMPLE CROSS-REFERENCE

| <u>SAMPLE #</u> | <u>CLIENT SAMPLE ID</u> | <u>DATE</u> | <u>TIME</u> |
|-----------------|-------------------------|-------------|-------------|
| R2308315-001 | TB-091123 | 9/11/2023 | 0000 |
| R2308315-002 | MW-10-091123 | 9/11/2023 | 1135 |
| R2308315-003 | MW13-091123 | 9/11/2023 | 1135 |
| R2308315-004 | TMP-A-091123 | 9/11/2023 | 1235 |
| R2308315-005 | MW9-091123 | 9/11/2023 | 1305 |
| R2308315-006 | MW16-091123 | 9/11/2023 | 1320 |
| R2308315-007 | DMW-3-091123 | 9/11/2023 | 1420 |
| R2308315-008 | MW17-091123 | 9/11/2023 | 1540 |
| R2308315-009 | MW8-091123 | 9/11/2023 | 1555 |
| R2308315-010 | MW11-091123 | 9/11/2023 | 1630 |
| R2308315-011 | DUP-091123 | 9/11/2023 | 0000 |
| R2308315-012 | FB-091123 | 9/11/2023 | 1700 |



Chain of Custody / Analytical Request Form

76337

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

SR#: _____

Page 1 of 2

Report To:
 Company: Verina Consulting LLC
 Contact: Sarah McCarter
 Email: smccarter@verina.com
 Phone: 906-864-4400
 Address: 1011 US 22
 Bridge water, ND, 08807

CLIENT / SAMPLER
 Project Name: Dover Binghamton
 Project Number: 5101 0003
 ALS Quote #: _____
 Sampler's Signature: *Tim Olin*
 Email CC: _____
 State Samples Collected (Circle or Write): NY MA, PA, CT, Other: _____

| Lab ID (ALS) | Sample ID: | Date | Time |
|--------------|---------------|---------|------|
| | TB - 091123 | 9/11/23 | 0000 |
| | MW-10-091123 | | 1135 |
| | MW13 - 091123 | | 1135 |
| | TMPA - 091123 | | 1235 |
| | MW9 - 091123 | | 1305 |
| | MW16 - 091123 | | 1320 |
| | DMW3 - 091123 | | 1420 |
| | MW17 - 091123 | | 1540 |
| | MW8 - 091123 | | 1555 |
| | MW11 - 091123 | | 1630 |

Special Instructions / Comments:
 SSPL VOCs = 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, 1,1,1-TCA, NC

Turnaround Requirements
 Rush (Surcharges Apply) _____
 Subject to Availability* _____
 Please Check with your PM* _____
 Standard (10 Business Days)
 Date Required: _____

| Signature | Received By: | Relinquished By: |
|------------------------------|--------------------|------------------|
| <i>Hanuel Costano</i> | <i>[Signature]</i> | |
| Printed Name: Hanuel Costano | Gregory O'Smyth | |
| Company: Verina | ALS | |
| Date/Time: 9/11/23 1700 | 9/12/23 07:35 | |

| Preservative | MS/MSD? | Number of Containers | Matrix | GC/MS VOA - 8260 • 624 • 524 • TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter |
|--------------|---------|----------------------|--------|-------------------------------------|--------------------------------|--------------------------------|-------------------|--------------------------|------------------------------|---|
| 1/0 | X | 2 | GW | | | | | | | |
| | | 3 | WW | | | | | | | |
| | | 3 | SW | | | | | | | |
| | | 3 | DW | | | | | | | |
| | | 3 | S | | | | | | | |
| | | 3 | L | | | | | | | |
| | | 3 | NA | | | | | | | |

Report Requirements
 Tier I/Cat A - Results/QC _____
 Tier II/Cat B - Data _____
 Validation Report w/ Data _____
 EDD: Yes _____ No _____
 EDD Type: _____

Turnaround Requirements
 Rush (Surcharges Apply) _____
 Subject to Availability* _____
 Please Check with your PM* _____
 Standard (10 Business Days)
 Date Required: _____

Metals: RCRA 8 • PP 13 • TAL 23 • TCLP • Other (List) _____

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars • THM • Other: _____

Invoice To: Same as Report To

PO #: 5101 0003
 Company: _____
 Contact: _____
 Email: RGenoveg@cc.com
 Phone: _____
 Address: _____

R2308315
 Verina Consulting Group, LLC
 Dover Binghamton





Chain of Custody / Analytical Request Form

76333

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

SR#:

Page 2 of 2

Report To:
 Company: Verina Consulting, LLC
 Contact: Sarah McCarter
 Email: SmacCarter@veg-llc.com
 Phone: 908-864-4400
 Address: 1011 US 22
 Bridgewater NJ, 08807

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER

Project Name: Dover Binghamton
 Project Number: 5101.0003
 ALS Quote #: *Amelia Costaro*
 Sampler's Signature: *Amelia Costaro*
 Email CC: *Amelia Costaro*

State Samples Collected (Circle on Map): NY, VA, PA, CT, Other.

Sample Collection Information:

| Lab ID (ALS) | Sample ID: | Date | Time |
|--------------|------------|---------|-------|
| | DUP-091123 | 9/11/23 | 00:00 |
| | 18-091123 | 1 | 17:00 |

Special Instructions / Comments:
 SSPL VOCs = 1,1-DCA, 1,1-DCE,
 cis-1,2 DCE, trans-1,2-DCE, PCE,
 TCE, 1,1,1-TCA, VC

Turnaround Requirements
 Rush (Surcharges Apply)
 Subject to Availability
 Please Check with your PM
 X Standard (10 Business Days)
 Date Required:

Report Requirements
 Tier I/Cat. A - Results/QC
 Tier IV/Cat. B - Data
 Validation Report w/ Data
 EDD: Yes No
 EDD Type:

Received By:
 Relinquished By: *Amelia Costaro*
 Signature: *Amelia Costaro*
 Printed Name: *Amelia Costaro*
 Company: *Verina*
 Date/Time: *09/11/23 1700*
 Relinquished By: *Gregory D. Emerson*
 Signature: *Gregory D. Emerson*
 Printed Name: *Gregory D. Emerson*
 Company: *ALS*
 Date/Time: *9/12/23 0735*

| Matrix | Number of Containers | MS/MSD? | GC/MS VOA - 8260•624•524•TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter |
|--------|----------------------|---------|-------------------------------|--------------------------------|--------------------------------|-------------------|--------------------------|------------------------------|---|
| GW | | | | | | | | | |
| WW | | | | | | | | | |
| SW | | | | | | | | | |
| DW | | | | | | | | | |
| S | | | | | | | | | |
| L | | | | | | | | | |
| NA | | | | | | | | | |

Preservative: 116

Metals: RCRA 8 • PP 13 • TAL 23 • TCLP • Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars • THM • Other:

Invoice To: (Same as Report To)
 PO # 51010003
 Company:

Contact:
 Email: *Rean@veg-llc.com*
 Phone:

Received By:
 Relinquished By:

R2308315
 Verina Consulting Group, LLC
 Dover Binghamton

5

Company: *Rean@veg-llc.com*

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Cooler Receipt and Preservation

R2308315

5

Verina Consulting Group, LLC
Dover Binghamton

Project/Client Verina Consulting Folder Number _____



Cooler received on 9/12/23 by: KE

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 <u>VOA</u> vials/ Alk, or Sulfide have sig* bubbles? | Y <u>N</u> 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: 9/12/23 Time: 07:50 ID: IR#12 IR#11 From: Temp Blank Sample Bottle

| | | | | | | | |
|-------------------------------|------------|-----|-----|-----|-----|-----|-----|
| Observed Temp (°C) | <u>3.3</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 (described below) 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 KE on 9/12/23 at 07:50
 5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/12/23 Time: 9:30 by: RR

- 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 N/A
- 13. Were dissolved metals filtered in the field? YES NO N/A
- 14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

| pH | Lot of test paper | Reagent | Preserved? | | Lot Received | Exp | Sample ID Adjusted | Vol. Added | Lot Added | Final pH |
|-----------------------|-------------------|---|------------|----|--|------------|--------------------|------------|-----------|----------|
| | | | Yes | No | | | | | | |
| ≥12 | | NaOH | | | | | | | | |
| ≤2 | | HNO ₃ | | | | | | | | |
| ≤2 | | H ₂ SO ₄ | | | | | | | | |
| <4 | | NaHSO ₄ | | | | | | | | |
| 5-9 | | For 608pest | | | No=Notify for 3day | | | | | |
| Residual Chlorine (-) | | For CN, Phenol, 625, 608pest, 522 | | | If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol). | | | | | |
| | | Na ₂ S ₂ O ₃ | | | | | | | | |
| | | ZnAcetate | - | - | | | | | | |
| | | HCl | ** | ** | <u>23040119</u> | <u>226</u> | | | | |

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

Bottle lot numbers: 073123-3AXH, 062623-3AWA

Explain all Discrepancies/ Other Comments:

Labels secondary reviewed by: RR
PC Secondary Review: RR

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

| | |
|-------|--------|
| HPROD | BULK |
| HTR | FLDT |
| SUB | HGFB |
| ALS | LL3541 |

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2308315

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|---------|-----------|------|------------------------|-------------|
| R2308315-001.01 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1627 | R-001-S07 / KRUEST | |
| | | 9/14/2023 | 1359 | In Lab / KRUEST | |
| | | 9/14/2023 | 1556 | R-001-S07 / KRUEST | |
| R2308315-001.02 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-002.01 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-002.02 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/14/2023 | 1359 | In Lab / KRUEST | |
| | | 9/14/2023 | 1556 | R-001-S07 / KRUEST | |
| R2308315-002.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-003.01 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-003.02 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-003.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2308315

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|---------|-----------|------|------------------------|-------------|
| R2308315-004.01 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-004.02 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-004.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-005.01 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1620 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-005.02 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-005.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-006.01 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-006.02 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-006.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2308315

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|---------|-----------|------|------------------------|-------------|
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-007.01 | 8260C | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1627 | R-001-S07 / KRUEST | |
| | | 9/14/2023 | 1359 | In Lab / KRUEST | |
| | | 9/14/2023 | 1556 | R-001-S07 / KRUEST | |
| R2308315-007.02 | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-007.03 | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-008.01 | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-008.02 | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/14/2023 | 1359 | In Lab / KRUEST | |
| R2308315-008.03 | 8260C | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/14/2023 | 1556 | R-001-S07 / KRUEST | |
| R2308315-009.01 | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-009.02 | | | | | |

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: R2308315

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|---------|-----------|------|------------------------|-------------|
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/14/2023 | 1359 | In Lab / KRUEST | |
| | | 9/14/2023 | 1556 | R-001-S07 / KRUEST | |
| R2308315-009.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-010.01 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-010.02 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-010.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-011.01 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1621 | In Lab / KRUEST | |
| | | 9/13/2023 | 1629 | R-001-S07 / KRUEST | |
| R2308315-011.02 | | | | | |
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/14/2023 | 1359 | In Lab / KRUEST | |
| | | 9/14/2023 | 1556 | R-001-S07 / KRUEST | |
| R2308315-011.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| R2308315-012.01 | | | | | |

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: R2308315

| Bottle ID | Methods | Date | Time | Sample Location / User | Disposed On |
|------------------------|----------------|-------------|-------------|-------------------------------|--------------------|
| | 8260C | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| | | 9/13/2023 | 1627 | R-001-S07 / KRUEST | |
| | | 9/14/2023 | 1359 | In Lab / KRUEST | |
| | | 9/14/2023 | 1556 | R-001-S07 / KRUEST | |
| <hr/> | | | | | |
| R2308315-012.02 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| <hr/> | | | | | |
| R2308315-012.03 | | | | | |
| | | 9/12/2023 | 0929 | SMO / GESMERIAN | |
| | | 9/12/2023 | 0933 | R-001 / GESMERIAN | |
| <hr/> | | | | | |



Miscellaneous Forms

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



REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|--|
| <p>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.</p> <p>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).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>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> <p>* 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.</p> <p>H Analysis was performed out of hold time for tests that have an “immediate” hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>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).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|--|

Rochester Lab ID # for State Accreditations¹



| NELAP States |
|-------------------------|
| Florida ID # E87674 |
| New Hampshire ID # 2941 |
| New York ID # 10145 |
| Pennsylvania ID# 68-786 |
| Virginia #460167 |

| Non-NELAP States |
|------------------------|
| Connecticut ID #PH0556 |
| Delaware Approved |
| Maine ID #NY01587 |
| North Carolina #36701 |
| North Carolina #676 |
| Rhode Island LAO00333 |

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. To verify NH accredited analytes, go to <https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx>.

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.
dba ALS Environmental

Analyst Summary report

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

Service Request: R2308315

Sample Name: TB-091123
Lab Code: R2308315-001
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-10-091123
Lab Code: R2308315-002
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW13-091123
Lab Code: R2308315-003
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: TMP-A-091123
Lab Code: R2308315-004
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW9-091123
Lab Code: R2308315-005
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

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: R2308315

Sample Name: MW16-091123
Lab Code: R2308315-006
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: DMW-3-091123
Lab Code: R2308315-007
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW17-091123
Lab Code: R2308315-008
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW8-091123
Lab Code: R2308315-009
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW11-091123
Lab Code: R2308315-010
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

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: R2308315

Sample Name: DUP-091123
Lab Code: R2308315-011
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: FB-091123
Lab Code: R2308315-012
Sample Matrix: Water

Date Collected: 09/11/23
Date Received: 09/12/23

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 |
| 9034 Sulfide Acid Soluble | 9030B |
| 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 |
| 7199 | 3060A |
| 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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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 00:00
Date Received: 09/12/23 07:35

Sample Name: TB-091123
Lab Code: R2308315-001

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 15:05 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 15:05 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 88 | 85 - 122 | 09/14/23 15:05 | |
| Dibromofluoromethane | 90 | 80 - 116 | 09/14/23 15:05 | |
| Toluene-d8 | 98 | 87 - 121 | 09/14/23 15:05 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 11:35
Date Received: 09/12/23 07:35

Sample Name: MW-10-091123
Lab Code: R2308315-002

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) | 1.1 | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| 1,1-Dichloroethane (1,1-DCA) | 0.46 J | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| Tetrachloroethene (PCE) | 0.77 J | 1.0 | 0.21 | 1 | 09/14/23 16:14 | |
| Trichloroethene (TCE) | 6.9 | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| cis-1,2-Dichloroethene | 1.3 | 1.0 | 0.23 | 1 | 09/14/23 16:14 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 09/14/23 16:14 | |
| Dibromofluoromethane | 95 | 80 - 116 | 09/14/23 16:14 | |
| Toluene-d8 | 103 | 87 - 121 | 09/14/23 16:14 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 11:35
Date Received: 09/12/23 07:35

Sample Name: MW13-091123
Lab Code: R2308315-003

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 07:13 | |
| Trichloroethene (TCE) | 0.47 J | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 07:13 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 09/14/23 07:13 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 07:13 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 07:13 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 12:35
Date Received: 09/12/23 07:35

Sample Name: TMP-A-091123
Lab Code: R2308315-004

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| 1,1-Dichloroethane (1,1-DCA) | 0.40 J | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 07:36 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 07:36 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 07:36 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 07:36 | |
| Toluene-d8 | 103 | 87 - 121 | 09/14/23 07:36 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 14:20
Date Received: 09/12/23 07:35

Sample Name: DMW-3-091123
Lab Code: R2308315-007

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 15:51 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 15:51 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 15:51 | |
| Dibromofluoromethane | 93 | 80 - 116 | 09/14/23 15:51 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 15:51 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 17:00
Date Received: 09/12/23 07:35

Sample Name: FB-091123
Lab Code: R2308315-012

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 15:28 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 15:28 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 88 | 85 - 122 | 09/14/23 15:28 | |
| Dibromofluoromethane | 93 | 80 - 116 | 09/14/23 15:28 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 15:28 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 13:05
Date Received: 09/12/23 07:35

Sample Name: MW9-091123
Lab Code: R2308315-005

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) | 0.28 J | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 05:18 | |
| Trichloroethene (TCE) | 0.91 J | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 05:18 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 09/14/23 05:18 | |
| Dibromofluoromethane | 92 | 80 - 116 | 09/14/23 05:18 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 05:18 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 13:20
Date Received: 09/12/23 07:35

Sample Name: MW16-091123
Lab Code: R2308315-006

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) | 2.3 J | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| 1,1-Dichloroethane (1,1-DCA) | 9.8 J | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| 1,1-Dichloroethene (1,1-DCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 09/14/23 07:59 | |
| Trichloroethene (TCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 09/14/23 07:59 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 09/14/23 07:59 | |
| Dibromofluoromethane | 92 | 80 - 116 | 09/14/23 07:59 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 07:59 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 15:40
Date Received: 09/12/23 07:35

Sample Name: MW17-091123
Lab Code: R2308315-008

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) | 1.0 | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| 1,1-Dichloroethane (1,1-DCA) | 8.3 | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 16:37 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 16:37 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 16:37 | |
| Dibromofluoromethane | 96 | 80 - 116 | 09/14/23 16:37 | |
| Toluene-d8 | 105 | 87 - 121 | 09/14/23 16:37 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 15:55
Date Received: 09/12/23 07:35

Sample Name: MW8-091123
Lab Code: R2308315-009

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 J | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| 1,1-Dichloroethane (1,1-DCA) | 2.9 | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| 1,1-Dichloroethene (1,1-DCE) | 0.98 J | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| Tetrachloroethene (PCE) | 2.0 U | 2.0 | 0.42 | 2 | 09/14/23 17:23 | |
| Trichloroethene (TCE) | 160 | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| Vinyl Chloride | 2.0 U | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| cis-1,2-Dichloroethene | 100 | 2.0 | 0.46 | 2 | 09/14/23 17:23 | |
| trans-1,2-Dichloroethene | 2.0 U | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 87 | 85 - 122 | 09/14/23 17:23 | |
| Dibromofluoromethane | 91 | 80 - 116 | 09/14/23 17:23 | |
| Toluene-d8 | 99 | 87 - 121 | 09/14/23 17:23 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 16:30
Date Received: 09/12/23 07:35

Sample Name: MW11-091123
Lab Code: R2308315-010

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) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| 1,1-Dichloroethane (1,1-DCA) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| 1,1-Dichloroethene (1,1-DCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 09/14/23 08:22 | |
| Trichloroethene (TCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 09/14/23 08:22 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 91 | 85 - 122 | 09/14/23 08:22 | |
| Dibromofluoromethane | 95 | 80 - 116 | 09/14/23 08:22 | |
| Toluene-d8 | 103 | 87 - 121 | 09/14/23 08:22 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 00:00
Date Received: 09/12/23 07:35

Sample Name: DUP-091123
Lab Code: R2308315-011

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) | 1.8 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| 1,1-Dichloroethane (1,1-DCA) | 3.1 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 23:08 | |
| Trichloroethene (TCE) | 140 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| cis-1,2-Dichloroethene | 85 | 1.0 | 0.23 | 1 | 09/14/23 23:08 | |
| trans-1,2-Dichloroethene | 2.9 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 23:08 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 23:08 | |
| Toluene-d8 | 101 | 87 - 121 | 09/14/23 23:08 | |



QC Summary Forms

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

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: R2308315

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 | 80 - 116 | 87 - 121 |
| TB-091123 | R2308315-001 | 88 | 90 | 98 |
| MW-10-091123 | R2308315-002 | 94 | 95 | 103 |
| MW13-091123 | R2308315-003 | 94 | 94 | 102 |
| TMP-A-091123 | R2308315-004 | 90 | 94 | 103 |
| DMW-3-091123 | R2308315-007 | 90 | 93 | 102 |
| FB-091123 | R2308315-012 | 88 | 93 | 102 |
| Lab Control Sample | RQ2311920-03 | 94 | 98 | 102 |
| Method Blank | RQ2311920-06 | 93 | 96 | 104 |
| Lab Control Sample | RQ2311983-04 | 93 | 98 | 101 |
| Method Blank | RQ2311983-06 | 95 | 94 | 104 |

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: R2308315
Date Analyzed: 09/14/23 01:05
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2311920-06
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUADATA\MSVOA17\Data\091323\E5444.D\
Analysis Lot:817084

This Method Blank applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|--|----------------------|
| Lab Control Sample | RQ2311920-03 | I:\ACQUADATA\MSVOA17\Data\091323\E5440.D | 09/13/23 23:33 |
| MW13-091123 | R2308315-003 | I:\ACQUADATA\MSVOA17\Data\091323\E5460.D | 09/14/23 07:13 |
| TMP-A-091123 | R2308315-004 | I:\ACQUADATA\MSVOA17\Data\091323\E5461.D | 09/14/23 07:36 |

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: R2308315
Date Analyzed: 09/14/23 14:09
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2311983-06
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUDATA\MSVOA17\Data\091423\E5476.D\
Analysis Lot:817204

This Method Blank applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|---|----------------------|
| Lab Control Sample | RQ2311983-04 | I:\ACQUDATA\MSVOA17\Data\091423\E5473.D | 09/14/23 13:00 |
| TB-091123 | R2308315-001 | I:\ACQUDATA\MSVOA17\Data\091423\E5477.D | 09/14/23 15:05 |
| FB-091123 | R2308315-012 | I:\ACQUDATA\MSVOA17\Data\091423\E5478.D | 09/14/23 15:28 |
| DMW-3-091123 | R2308315-007 | I:\ACQUDATA\MSVOA17\Data\091423\E5479.D | 09/14/23 15:51 |
| MW-10-091123 | R2308315-002 | I:\ACQUDATA\MSVOA17\Data\091423\E5480.D | 09/14/23 16:14 |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2311920-06

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 01:05 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 01:05 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 01:05 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 01:05 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 01:05 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 01:05 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 01:05 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 01:05 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 93 | 85 - 122 | 09/14/23 01:05 | |
| Dibromofluoromethane | 96 | 80 - 116 | 09/14/23 01:05 | |
| Toluene-d8 | 104 | 87 - 121 | 09/14/23 01:05 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2311983-06

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 14:09 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 14:09 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 14:09 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 14:09 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 14:09 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 14:09 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 14:09 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 14:09 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 09/14/23 14:09 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 14:09 | |
| Toluene-d8 | 104 | 87 - 121 | 09/14/23 14:09 | |

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: R2308315
Date Analyzed: 09/13/23 23:33
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2311920-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUDATA\MSVOA17\Data\091323\E5440.D\
Analysis Lot:817084

This Lab Control Sample applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|---|----------------------|
| Method Blank | RQ2311920-06 | I:\ACQUDATA\MSVOA17\Data\091323\E5444.D | 09/14/23 01:05 |
| MW13-091123 | R2308315-003 | I:\ACQUDATA\MSVOA17\Data\091323\E5460.D | 09/14/23 07:13 |
| TMP-A-091123 | R2308315-004 | I:\ACQUDATA\MSVOA17\Data\091323\E5461.D | 09/14/23 07:36 |

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: R2308315
Date Analyzed: 09/14/23 13:00
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2311983-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUADATA\MSVOA17\Data\091423\E5473.D\
Analysis Lot:817204

This Lab Control Sample applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|--|----------------------|
| Method Blank | RQ2311983-06 | I:\ACQUADATA\MSVOA17\Data\091423\E5476.D | 09/14/23 14:09 |
| TB-091123 | R2308315-001 | I:\ACQUADATA\MSVOA17\Data\091423\E5477.D | 09/14/23 15:05 |
| FB-091123 | R2308315-012 | I:\ACQUADATA\MSVOA17\Data\091423\E5478.D | 09/14/23 15:28 |
| DMW-3-091123 | R2308315-007 | I:\ACQUADATA\MSVOA17\Data\091423\E5479.D | 09/14/23 15:51 |
| MW-10-091123 | R2308315-002 | I:\ACQUADATA\MSVOA17\Data\091423\E5480.D | 09/14/23 16:14 |

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: R2308315
Date Analyzed: 09/13/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2311920-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------------------|-------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 8260C | 17.9 | 20.0 | 89 | 75-125 |
| 1,1-Dichloroethane (1,1-DCA) | 8260C | 20.1 | 20.0 | 100 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260C | 18.2 | 20.0 | 91 | 71-118 |
| Tetrachloroethene (PCE) | 8260C | 20.0 | 20.0 | 100 | 72-125 |
| Trichloroethene (TCE) | 8260C | 19.3 | 20.0 | 97 | 74-122 |
| Vinyl Chloride | 8260C | 16.5 | 20.0 | 83 | 74-159 |
| cis-1,2-Dichloroethene | 8260C | 18.9 | 20.0 | 95 | 80-121 |
| trans-1,2-Dichloroethene | 8260C | 18.4 | 20.0 | 92 | 73-118 |

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: R2308315
Date Analyzed: 09/14/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2311983-04

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------------------|-------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 8260C | 20.6 | 20.0 | 103 | 75-125 |
| 1,1-Dichloroethane (1,1-DCA) | 8260C | 23.2 | 20.0 | 116 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260C | 21.2 | 20.0 | 106 | 71-118 |
| Tetrachloroethene (PCE) | 8260C | 22.9 | 20.0 | 115 | 72-125 |
| Trichloroethene (TCE) | 8260C | 22.0 | 20.0 | 110 | 74-122 |
| Vinyl Chloride | 8260C | 19.2 | 20.0 | 96 | 74-159 |
| cis-1,2-Dichloroethene | 8260C | 22.2 | 20.0 | 111 | 80-121 |
| trans-1,2-Dichloroethene | 8260C | 21.8 | 20.0 | 109 | 73-118 |

ALS Group USA, Corp.
dba ALS Environmental

QC/QC Report

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

Service Request:R2308315
Date Analyzed:09/13/23 22:47

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\MSVOA17\Data\091323\E5438.D\
Instrument ID: R-MS-17

Analytical Method: 8260C
Analysis Lot: 817084

| Target Mass | Relative to Mass | Lower Limit % | Upper Limit % | Relative Abundance % | Raw Abundance | Result Pass/Fail |
|-------------|------------------|---------------|---------------|----------------------|---------------|------------------|
| 50 | 95 | 15 | 40 | 18.2 | 29882 | Pass |
| 75 | 95 | 30 | 60 | 49.5 | 81416 | Pass |
| 95 | 95 | 100 | 100 | 100.0 | 164321 | Pass |
| 96 | 95 | 5 | 9 | 7.0 | 11577 | Pass |
| 173 | 174 | 0 | 2 | 1.4 | 2194 | Pass |
| 174 | 95 | 50 | 120 | 95.9 | 157577 | Pass |
| 175 | 174 | 5 | 9 | 7.8 | 12354 | Pass |
| 176 | 174 | 95 | 101 | 98.3 | 154944 | Pass |
| 177 | 176 | 5 | 9 | 6.4 | 9842 | Pass |

| Sample Name | Lab Code | File ID: | Date Analyzed: | Q |
|-------------------------------------|--------------|---|----------------|---|
| Continuing Calibration Verification | RQ2311920-02 | I:\ACQUADATA\MSVOA17\Data\091323\E5439.D\ | 09/13/23 23:10 | |
| Lab Control Sample | RQ2311920-03 | I:\ACQUADATA\MSVOA17\Data\091323\E5440.D\ | 09/13/23 23:33 | |
| Method Blank | RQ2311920-06 | I:\ACQUADATA\MSVOA17\Data\091323\E5444.D\ | 09/14/23 01:05 | |
| MW13-091123 | R2308315-003 | I:\ACQUADATA\MSVOA17\Data\091323\E5460.D\ | 09/14/23 07:13 | |
| TMP-A-091123 | R2308315-004 | I:\ACQUADATA\MSVOA17\Data\091323\E5461.D\ | 09/14/23 07:36 | |

ALS Group USA, Corp.
dba ALS Environmental

QC/QC Report

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

Service Request:R2308315
Date Analyzed:09/14/23 11:30

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\MSVOA17\Data\091423\E5470.D\
Instrument ID: R-MS-17

Analytical Method: 8260C
Analysis Lot: 817204

| Target Mass | Relative to Mass | Lower Limit % | Upper Limit % | Relative Abundance % | Raw Abundance | Result Pass/Fail |
|-------------|------------------|---------------|---------------|----------------------|---------------|------------------|
| 50 | 95 | 15 | 40 | 18.3 | 28644 | Pass |
| 75 | 95 | 30 | 60 | 48.4 | 75555 | Pass |
| 95 | 95 | 100 | 100 | 100.0 | 156256 | Pass |
| 96 | 95 | 5 | 9 | 6.9 | 10739 | Pass |
| 173 | 174 | 0 | 2 | 0.8 | 1126 | Pass |
| 174 | 95 | 50 | 120 | 95.1 | 148653 | Pass |
| 175 | 174 | 5 | 9 | 7.8 | 11636 | Pass |
| 176 | 174 | 95 | 101 | 96.2 | 142939 | Pass |
| 177 | 176 | 5 | 9 | 6.4 | 9202 | Pass |

| Sample Name | Lab Code | File ID: | Date Analyzed: | Q |
|-------------------------------------|--------------|---|----------------|---|
| Continuing Calibration Verification | RQ2311983-02 | I:\ACQUADATA\MSVOA17\Data\091423\E5471.D\ | 09/14/23 12:05 | |
| Lab Control Sample | RQ2311983-04 | I:\ACQUADATA\MSVOA17\Data\091423\E5473.D\ | 09/14/23 13:00 | |
| Method Blank | RQ2311983-06 | I:\ACQUADATA\MSVOA17\Data\091423\E5476.D\ | 09/14/23 14:09 | |
| TB-091123 | R2308315-001 | I:\ACQUADATA\MSVOA17\Data\091423\E5477.D\ | 09/14/23 15:05 | |
| FB-091123 | R2308315-012 | I:\ACQUADATA\MSVOA17\Data\091423\E5478.D\ | 09/14/23 15:28 | |
| DMW-3-091123 | R2308315-007 | I:\ACQUADATA\MSVOA17\Data\091423\E5479.D\ | 09/14/23 15:51 | |
| MW-10-091123 | R2308315-002 | I:\ACQUADATA\MSVOA17\Data\091423\E5480.D\ | 09/14/23 16:14 | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/13/23 23:10

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

File ID: I:\ACQUDATA\MSVOA17\Data\091323\E5439.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311920-02
Analysis Lot:817084
Signal ID:1

| | 1,4-Dichlorobenzene-d4 | | 1,4-Difluorobenzene | | Chlorobenzene-d5 | |
|---------------------------|------------------------|-------|---------------------|------|------------------|------|
| | Area | RT | Area | RT | Area | RT |
| Result ==> | 298,606 | 11.68 | 587,360 | 6.24 | 535,593 | 9.62 |
| Upper Limit ==> | 597,212 | 11.85 | 1,174,720 | 6.41 | 1,071,186 | 9.79 |
| Lower Limit ==> | 149,303 | 11.51 | 293,680 | 6.07 | 267,797 | 9.45 |

Associated Analyses

| | | | | | | | |
|--------------------|--------------|--------|-------|--------|------|--------|------|
| Lab Control Sample | RQ2311920-03 | 294153 | 11.68 | 594910 | 6.24 | 547577 | 9.62 |
| Method Blank | RQ2311920-06 | 268179 | 11.68 | 580823 | 6.24 | 522271 | 9.62 |
| MW13-091123 | R2308315-003 | 260842 | 11.68 | 562237 | 6.24 | 507444 | 9.62 |
| TMP-A-091123 | R2308315-004 | 261463 | 11.68 | 564418 | 6.24 | 506924 | 9.62 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/13/23 23:10

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

File ID: I:\ACQUDATA\MSVOA17\Data\091323\E5439.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311920-02
Analysis Lot:817084
Signal ID:1

| | Pentafluorobenzene | |
|---------------------------|--------------------|------|
| | Area | RT |
| Result ==> | 413,623 | 5.09 |
| Upper Limit ==> | 827,246 | 5.26 |
| Lower Limit ==> | 206,812 | 4.92 |

Associated Analyses

| | | | |
|--------------------|--------------|--------|------|
| Lab Control Sample | RQ2311920-03 | 420791 | 5.09 |
| Method Blank | RQ2311920-06 | 410162 | 5.09 |
| MW13-091123 | R2308315-003 | 391888 | 5.09 |
| TMP-A-091123 | R2308315-004 | 389850 | 5.09 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/14/23 12:05

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

File ID: I:\ACQUADATA\MSVOA17\Data\091423\E5471.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311983-02
Analysis Lot:817204
Signal ID:1

| | 1,4-Dichlorobenzene-d4 | | 1,4-Difluorobenzene | | Chlorobenzene-d5 | |
|---------------------------|------------------------|-------|---------------------|------|------------------|------|
| | Area | RT | Area | RT | Area | RT |
| Result ==> | 277,679 | 11.68 | 587,894 | 6.24 | 528,981 | 9.62 |
| Upper Limit ==> | 555,358 | 11.85 | 1,175,788 | 6.41 | 1,057,962 | 9.79 |
| Lower Limit ==> | 138,840 | 11.51 | 293,947 | 6.07 | 264,491 | 9.45 |

Associated Analyses

| | | | | | | | |
|--------------------|--------------|--------|-------|--------|------|--------|------|
| Lab Control Sample | RQ2311983-04 | 288464 | 11.68 | 598813 | 6.24 | 540850 | 9.62 |
| Method Blank | RQ2311983-06 | 264053 | 11.68 | 576228 | 6.24 | 519100 | 9.62 |
| TB-091123 | R2308315-001 | 273358 | 11.68 | 603843 | 6.24 | 536129 | 9.62 |
| FB-091123 | R2308315-012 | 257381 | 11.68 | 576990 | 6.24 | 515971 | 9.62 |
| DMW-3-091123 | R2308315-007 | 262725 | 11.68 | 570812 | 6.24 | 507125 | 9.62 |
| MW-10-091123 | R2308315-002 | 259176 | 11.68 | 561331 | 6.24 | 506200 | 9.62 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/14/23 12:05

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

File ID: I:\ACQUADATA\MSVOA17\Data\091423\E5471.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311983-02
Analysis Lot:817204
Signal ID:1

| | Pentafluorobenzene | |
|---------------------------|--------------------|------|
| | Area | RT |
| Result ==> | 416,119 | 5.08 |
| Upper Limit ==> | 832,238 | 5.25 |
| Lower Limit ==> | 208,060 | 4.91 |

Associated Analyses

| | | Area | RT |
|--------------------|--------------|--------|------|
| Lab Control Sample | RQ2311983-04 | 420524 | 5.09 |
| Method Blank | RQ2311983-06 | 403634 | 5.09 |
| TB-091123 | R2308315-001 | 419851 | 5.08 |
| FB-091123 | R2308315-012 | 405606 | 5.09 |
| DMW-3-091123 | R2308315-007 | 398605 | 5.09 |
| MW-10-091123 | R2308315-002 | 395420 | 5.09 |

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

Service Request: R2308315

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 | 80 - 116 | 87 - 121 |
| MW9-091123 | R2308315-005 | 94 | 92 | 102 |
| MW16-091123 | R2308315-006 | 96 | 92 | 102 |
| MW17-091123 | R2308315-008 | 90 | 96 | 105 |
| MW8-091123 | R2308315-009 | 87 | 91 | 99 |
| MW11-091123 | R2308315-010 | 91 | 95 | 103 |
| DUP-091123 | R2308315-011 | 90 | 94 | 101 |
| Lab Control Sample | RQ2311920-04 | 99 | 99 | 102 |
| Method Blank | RQ2311920-05 | 91 | 95 | 103 |
| MW16-091123 MS | RQ2311920-07 | 97 | 97 | 103 |
| MW16-091123 DMS | RQ2311920-08 | 100 | 100 | 105 |
| Lab Control Sample | RQ2311983-03 | 95 | 101 | 104 |
| Method Blank | RQ2311983-05 | 88 | 94 | 101 |

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: R2308315
Date Collected: 09/11/23
Date Received: 09/12/23
Date Analyzed: 09/14/23
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: MW16-091123
Lab Code: R2308315-006
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

| Analyte Name | Matrix Spike RQ2311920-07 | | | | Duplicate Matrix Spike RQ2311920-08 | | | | % Rec Limits | RPD | RPD Limit |
|------------------------------|------------------------------|--------|-----------------|-------|--|-----------------|-------|--------|-----------------|-----|--------------|
| | Sample Result | Result | Spike Amount | % Rec | Result | Spike Amount | % Rec | | | | |
| 1,1,1-Trichloroethane (TCA) | 2.3 J | 443 | 500 | 88 | 472 | 500 | 94 | 74-127 | 6 | 30 | |
| 1,1-Dichloroethane (1,1-DCA) | 9.8 J | 510 | 500 | 100 | 544 | 500 | 107 | 74-132 | 6 | 30 | |
| 1,1-Dichloroethene (1,1-DCE) | 10 U | 10 U | 500 | 0 * | 10 U | 500 | 0 * | 71-118 | NC | 30 | |
| Tetrachloroethene (PCE) | 10 U | 10 U | 500 | 0 * | 10 U | 500 | 0 * | 72-125 | NC | 30 | |
| Trichloroethene (TCE) | 10 U | 2.20 J | 500 | 0 * | 2.20 J | 500 | 0 * | 74-122 | <1 | 30 | |
| Vinyl Chloride | 10 U | 10 U | 500 | 0 * | 10 U | 500 | 0 * | 74-159 | NC | 30 | |
| cis-1,2-Dichloroethene | 10 U | 5.00 J | 500 | 1 * | 5.00 J | 500 | 1 * | 77-127 | <1 | 30 | |
| trans-1,2-Dichloroethene | 10 U | 10 U | 500 | 0 * | 10 U | 500 | 0 * | 73-118 | NC | 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.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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: R2308315
Date Analyzed: 09/14/23 00:42
Date Extracted:

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

Sample Name: Method Blank
Lab Code: RQ2311920-05
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUADATA\MSVOA17\Data\091323\E5443.D\
Analysis Lot:817084

This Method Blank applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|--|----------------------|
| Lab Control Sample | RQ2311920-04 | I:\ACQUADATA\MSVOA17\Data\091323\E5441.D | 09/13/23 23:56 |
| MW9-091123 | R2308315-005 | I:\ACQUADATA\MSVOA17\Data\091323\E5455.D | 09/14/23 05:18 |
| MW16-091123 | R2308315-006 | I:\ACQUADATA\MSVOA17\Data\091323\E5462.D | 09/14/23 07:59 |
| MW11-091123 | R2308315-010 | I:\ACQUADATA\MSVOA17\Data\091323\E5463.D | 09/14/23 08:22 |
| MW16-091123MS | RQ2311920-07 | I:\ACQUADATA\MSVOA17\Data\091323\E5466.D | 09/14/23 09:31 |
| MW16-091123DMS | RQ2311920-08 | I:\ACQUADATA\MSVOA17\Data\091323\E5467.D | 09/14/23 09:54 |

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: R2308315
Date Analyzed: 09/14/23 13:46
Date Extracted:

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

Sample Name: Method Blank
Lab Code: RQ2311983-05
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUADATA\MSVOA17\Data\091423\E5475.D\
Analysis Lot:817204

This Method Blank applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|--|----------------------|
| Lab Control Sample | RQ2311983-03 | I:\ACQUADATA\MSVOA17\Data\091423\E5472.D | 09/14/23 12:37 |
| MW17-091123 | R2308315-008 | I:\ACQUADATA\MSVOA17\Data\091423\E5481.D | 09/14/23 16:37 |
| MW8-091123 | R2308315-009 | I:\ACQUADATA\MSVOA17\Data\091423\E5483.D | 09/14/23 17:23 |
| DUP-091123 | R2308315-011 | I:\ACQUADATA\MSVOA17\Data\091423\E5498.D | 09/14/23 23:08 |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2311920-05

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 00:42 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 00:42 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 00:42 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 00:42 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 00:42 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 00:42 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 00:42 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 00:42 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 91 | 85 - 122 | 09/14/23 00:42 | |
| Dibromofluoromethane | 95 | 80 - 116 | 09/14/23 00:42 | |
| Toluene-d8 | 103 | 87 - 121 | 09/14/23 00:42 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2311983-05

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 13:46 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 13:46 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 13:46 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 13:46 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 13:46 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 13:46 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 13:46 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 13:46 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 88 | 85 - 122 | 09/14/23 13:46 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 13:46 | |
| Toluene-d8 | 101 | 87 - 121 | 09/14/23 13:46 | |

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QA/QC Report

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

Service Request: R2308315
Date Analyzed: 09/13/23 23:56
Date Extracted:

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

Sample Name: Lab Control Sample
Lab Code: RQ2311920-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUDATA\MSVOA17\Data\091323\E5441.D\
Analysis Lot:817084

This Lab Control Sample applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|---|----------------------|
| Method Blank | RQ2311920-05 | I:\ACQUDATA\MSVOA17\Data\091323\E5443.D | 09/14/23 00:42 |
| MW9-091123 | R2308315-005 | I:\ACQUDATA\MSVOA17\Data\091323\E5455.D | 09/14/23 05:18 |
| MW16-091123 | R2308315-006 | I:\ACQUDATA\MSVOA17\Data\091323\E5462.D | 09/14/23 07:59 |
| MW11-091123 | R2308315-010 | I:\ACQUDATA\MSVOA17\Data\091323\E5463.D | 09/14/23 08:22 |
| MW16-091123MS | RQ2311920-07 | I:\ACQUDATA\MSVOA17\Data\091323\E5466.D | 09/14/23 09:31 |
| MW16-091123DMS | RQ2311920-08 | I:\ACQUDATA\MSVOA17\Data\091323\E5467.D | 09/14/23 09:54 |

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QA/QC Report

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

Service Request: R2308315
Date Analyzed: 09/14/23 12:37
Date Extracted:

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

Sample Name: Lab Control Sample
Lab Code: RQ2311983-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-17
File ID:I:\ACQUADATA\MSVOA17\Data\091423\E5472.D\
Analysis Lot:817204

This Lab Control Sample applies to the following analyses.

| Sample Name | Lab Code | File ID | Date Analyzed |
|--------------------|-----------------|--|----------------------|
| Method Blank | RQ2311983-05 | I:\ACQUADATA\MSVOA17\Data\091423\E5475.D | 09/14/23 13:46 |
| MW17-091123 | R2308315-008 | I:\ACQUADATA\MSVOA17\Data\091423\E5481.D | 09/14/23 16:37 |
| MW8-091123 | R2308315-009 | I:\ACQUADATA\MSVOA17\Data\091423\E5483.D | 09/14/23 17:23 |
| DUP-091123 | R2308315-011 | I:\ACQUADATA\MSVOA17\Data\091423\E5498.D | 09/14/23 23:08 |

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QA/QC Report

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

Service Request: R2308315
Date Analyzed: 09/13/23

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2311920-04

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------------------|-------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 8260C | 21.4 | 20.0 | 107 | 75-125 |
| 1,1-Dichloroethane (1,1-DCA) | 8260C | 24.0 | 20.0 | 120 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260C | 21.8 | 20.0 | 109 | 71-118 |
| Tetrachloroethene (PCE) | 8260C | 24.5 | 20.0 | 123 | 72-125 |
| Trichloroethene (TCE) | 8260C | 25.4 | 20.0 | 127 * | 74-122 |
| Vinyl Chloride | 8260C | 19.7 | 20.0 | 98 | 74-159 |
| cis-1,2-Dichloroethene | 8260C | 22.5 | 20.0 | 112 | 80-121 |
| trans-1,2-Dichloroethene | 8260C | 22.0 | 20.0 | 110 | 73-118 |

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QA/QC Report

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

Service Request: R2308315
Date Analyzed: 09/14/23

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2311983-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------------------|-------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 8260C | 17.6 | 20.0 | 88 | 75-125 |
| 1,1-Dichloroethane (1,1-DCA) | 8260C | 20.3 | 20.0 | 101 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260C | 18.2 | 20.0 | 91 | 71-118 |
| Tetrachloroethene (PCE) | 8260C | 20.4 | 20.0 | 102 | 72-125 |
| Trichloroethene (TCE) | 8260C | 19.4 | 20.0 | 97 | 74-122 |
| Vinyl Chloride | 8260C | 16.0 | 20.0 | 80 | 74-159 |
| cis-1,2-Dichloroethene | 8260C | 18.5 | 20.0 | 93 | 80-121 |
| trans-1,2-Dichloroethene | 8260C | 18.5 | 20.0 | 92 | 73-118 |

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

Service Request:R2308315
Date Analyzed:09/13/23 22:47

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUADATA\MSVOA17\Data\091323\E5438.D\
Instrument ID: R-MS-17

Analytical Method: 8260C
Analysis Lot: 817084

| Target Mass | Relative to Mass | Lower Limit % | Upper Limit % | Relative Abundance % | Raw Abundance | Result Pass/Fail |
|-------------|------------------|---------------|---------------|----------------------|---------------|------------------|
| 50 | 95 | 15 | 40 | 18.2 | 29882 | Pass |
| 75 | 95 | 30 | 60 | 49.5 | 81416 | Pass |
| 95 | 95 | 100 | 100 | 100.0 | 164321 | Pass |
| 96 | 95 | 5 | 9 | 7.0 | 11577 | Pass |
| 173 | 174 | 0 | 2 | 1.4 | 2194 | Pass |
| 174 | 95 | 50 | 120 | 95.9 | 157577 | Pass |
| 175 | 174 | 5 | 9 | 7.8 | 12354 | Pass |
| 176 | 174 | 95 | 101 | 98.3 | 154944 | Pass |
| 177 | 176 | 5 | 9 | 6.4 | 9842 | Pass |

| Sample Name | Lab Code | File ID: | Date Analyzed: | Q |
|-------------------------------------|--------------|---|----------------|---|
| Continuing Calibration Verification | RQ2311920-02 | I:\ACQUADATA\MSVOA17\Data\091323\E5439.D\ | 09/13/23 23:10 | |
| Lab Control Sample | RQ2311920-04 | I:\ACQUADATA\MSVOA17\Data\091323\E5441.D\ | 09/13/23 23:56 | |
| Method Blank | RQ2311920-05 | I:\ACQUADATA\MSVOA17\Data\091323\E5443.D\ | 09/14/23 00:42 | |
| MW9-091123 | R2308315-005 | I:\ACQUADATA\MSVOA17\Data\091323\E5455.D\ | 09/14/23 05:18 | |
| MW16-091123 | R2308315-006 | I:\ACQUADATA\MSVOA17\Data\091323\E5462.D\ | 09/14/23 07:59 | |
| MW11-091123 | R2308315-010 | I:\ACQUADATA\MSVOA17\Data\091323\E5463.D\ | 09/14/23 08:22 | |
| MW16-091123 | RQ2311920-07 | I:\ACQUADATA\MSVOA17\Data\091323\E5466.D\ | 09/14/23 09:31 | |
| MW16-091123 | RQ2311920-08 | I:\ACQUADATA\MSVOA17\Data\091323\E5467.D\ | 09/14/23 09:54 | |

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

Service Request:R2308315
Date Analyzed:09/14/23 11:30

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUADATA\MSVOA17\Data\091423\E5470.D\
Instrument ID: R-MS-17

Analytical Method: 8260C
Analysis Lot: 817204

| Target Mass | Relative to Mass | Lower Limit % | Upper Limit % | Relative Abundance % | Raw Abundance | Result Pass/Fail |
|-------------|------------------|---------------|---------------|----------------------|---------------|------------------|
| 50 | 95 | 15 | 40 | 18.3 | 28644 | Pass |
| 75 | 95 | 30 | 60 | 48.4 | 75555 | Pass |
| 95 | 95 | 100 | 100 | 100.0 | 156256 | Pass |
| 96 | 95 | 5 | 9 | 6.9 | 10739 | Pass |
| 173 | 174 | 0 | 2 | 0.8 | 1126 | Pass |
| 174 | 95 | 50 | 120 | 95.1 | 148653 | Pass |
| 175 | 174 | 5 | 9 | 7.8 | 11636 | Pass |
| 176 | 174 | 95 | 101 | 96.2 | 142939 | Pass |
| 177 | 176 | 5 | 9 | 6.4 | 9202 | Pass |

| Sample Name | Lab Code | File ID: | Date Analyzed: | Q |
|-------------------------------------|--------------|---|----------------|---|
| Continuing Calibration Verification | RQ2311983-02 | I:\ACQUADATA\MSVOA17\Data\091423\E5471.D\ | 09/14/23 12:05 | |
| Lab Control Sample | RQ2311983-03 | I:\ACQUADATA\MSVOA17\Data\091423\E5472.D\ | 09/14/23 12:37 | |
| Method Blank | RQ2311983-05 | I:\ACQUADATA\MSVOA17\Data\091423\E5475.D\ | 09/14/23 13:46 | |
| MW17-091123 | R2308315-008 | I:\ACQUADATA\MSVOA17\Data\091423\E5481.D\ | 09/14/23 16:37 | |
| MW8-091123 | R2308315-009 | I:\ACQUADATA\MSVOA17\Data\091423\E5483.D\ | 09/14/23 17:23 | |
| DUP-091123 | R2308315-011 | I:\ACQUADATA\MSVOA17\Data\091423\E5498.D\ | 09/14/23 23:08 | |

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QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/13/23 23:10

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

File ID: I:\ACQUDATA\MSVOA17\Data\091323\E5439.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311920-02
Analysis Lot:817084
Signal ID:1

| | 1,4-Dichlorobenzene-d4 | | 1,4-Difluorobenzene | | Chlorobenzene-d5 | |
|---------------------------|------------------------|-------|---------------------|------|------------------|------|
| | Area | RT | Area | RT | Area | RT |
| Result ==> | 298,606 | 11.68 | 587,360 | 6.24 | 535,593 | 9.62 |
| Upper Limit ==> | 597,212 | 11.85 | 1,174,720 | 6.41 | 1,071,186 | 9.79 |
| Lower Limit ==> | 149,303 | 11.51 | 293,680 | 6.07 | 267,797 | 9.45 |

Associated Analyses

| | | | | | | | |
|--------------------|--------------|--------|-------|--------|------|--------|------|
| Lab Control Sample | RQ2311920-04 | 291114 | 11.68 | 587516 | 6.24 | 538674 | 9.62 |
| Method Blank | RQ2311920-05 | 267895 | 11.68 | 580241 | 6.24 | 524336 | 9.62 |
| MW9-091123 | R2308315-005 | 267647 | 11.68 | 575691 | 6.24 | 522881 | 9.62 |
| MW16-091123 | R2308315-006 | 272256 | 11.68 | 568940 | 6.24 | 517027 | 9.62 |
| MW11-091123 | R2308315-010 | 259540 | 11.68 | 558095 | 6.24 | 503003 | 9.62 |
| MW16-091123MS | RQ2311920-07 | 290968 | 11.68 | 582039 | 6.24 | 536086 | 9.62 |
| MW16-091123DMS | RQ2311920-08 | 287380 | 11.68 | 582612 | 6.24 | 532946 | 9.62 |

ALS Group USA, Corp.
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QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/13/23 23:10

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

File ID: I:\ACQUDATA\MSVOA17\Data\091323\E5439.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311920-02
Analysis Lot:817084
Signal ID:1

| | Pentafluorobenzene | |
|---------------------------|--------------------|------|
| | Area | RT |
| Result ==> | 413,623 | 5.09 |
| Upper Limit ==> | 827,246 | 5.26 |
| Lower Limit ==> | 206,812 | 4.92 |

Associated Analyses

| | | | |
|--------------------|--------------|--------|------|
| Lab Control Sample | RQ2311920-04 | 421906 | 5.08 |
| Method Blank | RQ2311920-05 | 410348 | 5.09 |
| MW9-091123 | R2308315-005 | 402252 | 5.09 |
| MW16-091123 | R2308315-006 | 397535 | 5.09 |
| MW11-091123 | R2308315-010 | 390051 | 5.09 |
| MW16-091123MS | RQ2311920-07 | 404319 | 5.09 |
| MW16-091123DMS | RQ2311920-08 | 409322 | 5.09 |

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QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/14/23 12:05

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

File ID: I:\ACQUDATA\MSVOA17\Data\091423\E5471.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311983-02
Analysis Lot:817204
Signal ID:1

| | 1,4-Dichlorobenzene-d4 | | 1,4-Difluorobenzene | | Chlorobenzene-d5 | |
|---------------------------|------------------------|-------|---------------------|------|------------------|------|
| | Area | RT | Area | RT | Area | RT |
| Result ==> | 277,679 | 11.68 | 587,894 | 6.24 | 528,981 | 9.62 |
| Upper Limit ==> | 555,358 | 11.85 | 1,175,788 | 6.41 | 1,057,962 | 9.79 |
| Lower Limit ==> | 138,840 | 11.51 | 293,947 | 6.07 | 264,491 | 9.45 |

Associated Analyses

| | | | | | | | |
|--------------------|--------------|--------|-------|--------|------|--------|------|
| Lab Control Sample | RQ2311983-03 | 280718 | 11.68 | 588957 | 6.24 | 534436 | 9.62 |
| Method Blank | RQ2311983-05 | 262235 | 11.68 | 574023 | 6.24 | 511864 | 9.62 |
| MW17-091123 | R2308315-008 | 257934 | 11.68 | 562317 | 6.24 | 506503 | 9.62 |
| MW8-091123 | R2308315-009 | 263231 | 11.68 | 578593 | 6.24 | 518769 | 9.62 |
| DUP-091123 | R2308315-011 | 253372 | 11.68 | 560734 | 6.24 | 497852 | 9.62 |

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QA/QC Report

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

Service Request:R2308315
Date Analyzed:09/14/23 12:05

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

File ID: I:\ACQUADATA\MSVOA17\Data\091423\E5471.D\
Instrument ID: R-MS-17
Analysis Method: 8260C

Lab Code:RQ2311983-02
Analysis Lot:817204
Signal ID:1

| | Pentafluorobenzene | |
|---------------------------|--------------------|------|
| | Area | RT |
| Result ==> | 416,119 | 5.08 |
| Upper Limit ==> | 832,238 | 5.25 |
| Lower Limit ==> | 208,060 | 4.91 |

Associated Analyses

| | | | |
|--------------------|--------------|--------|------|
| Lab Control Sample | RQ2311983-03 | 421836 | 5.09 |
| Method Blank | RQ2311983-05 | 406659 | 5.09 |
| MW17-091123 | R2308315-008 | 392369 | 5.08 |
| MW8-091123 | R2308315-009 | 404907 | 5.09 |
| DUP-091123 | R2308315-011 | 391658 | 5.09 |



Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 00:00
Date Received: 09/12/23 07:35

Sample Name: TB-091123
Lab Code: R2308315-001

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 15:05 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 15:05 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:05 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 88 | 85 - 122 | 09/14/23 15:05 | |
| Dibromofluoromethane | 90 | 80 - 116 | 09/14/23 15:05 | |
| Toluene-d8 | 98 | 87 - 121 | 09/14/23 15:05 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 11:35
Date Received: 09/12/23 07:35

Sample Name: MW-10-091123
Lab Code: R2308315-002

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) | 1.1 | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| 1,1-Dichloroethane (1,1-DCA) | 0.46 J | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| Tetrachloroethene (PCE) | 0.77 J | 1.0 | 0.21 | 1 | 09/14/23 16:14 | |
| Trichloroethene (TCE) | 6.9 | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |
| cis-1,2-Dichloroethene | 1.3 | 1.0 | 0.23 | 1 | 09/14/23 16:14 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:14 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 09/14/23 16:14 | |
| Dibromofluoromethane | 95 | 80 - 116 | 09/14/23 16:14 | |
| Toluene-d8 | 103 | 87 - 121 | 09/14/23 16:14 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 11:35
Date Received: 09/12/23 07:35

Sample Name: MW13-091123
Lab Code: R2308315-003

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 07:13 | |
| Trichloroethene (TCE) | 0.47 J | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 07:13 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:13 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 09/14/23 07:13 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 07:13 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 07:13 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 12:35
Date Received: 09/12/23 07:35

Sample Name: TMP-A-091123
Lab Code: R2308315-004

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| 1,1-Dichloroethane (1,1-DCA) | 0.40 J | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 07:36 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 07:36 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 07:36 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 07:36 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 07:36 | |
| Toluene-d8 | 103 | 87 - 121 | 09/14/23 07:36 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 14:20
Date Received: 09/12/23 07:35

Sample Name: DMW-3-091123
Lab Code: R2308315-007

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 15:51 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 15:51 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:51 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 15:51 | |
| Dibromofluoromethane | 93 | 80 - 116 | 09/14/23 15:51 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 15:51 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 17:00
Date Received: 09/12/23 07:35

Sample Name: FB-091123
Lab Code: R2308315-012

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) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 15:28 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 15:28 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 15:28 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 88 | 85 - 122 | 09/14/23 15:28 | |
| Dibromofluoromethane | 93 | 80 - 116 | 09/14/23 15:28 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 15:28 | |

Data Path : I:\ACQUADATA\MSVOA17\Data\091423\
 Data File : E5477.D
 Acq On : 14 Sep 2023 03:05 pm
 Operator : K.Ruest
 Sample : R2308315-001|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 1 Sample Multiplier: 1

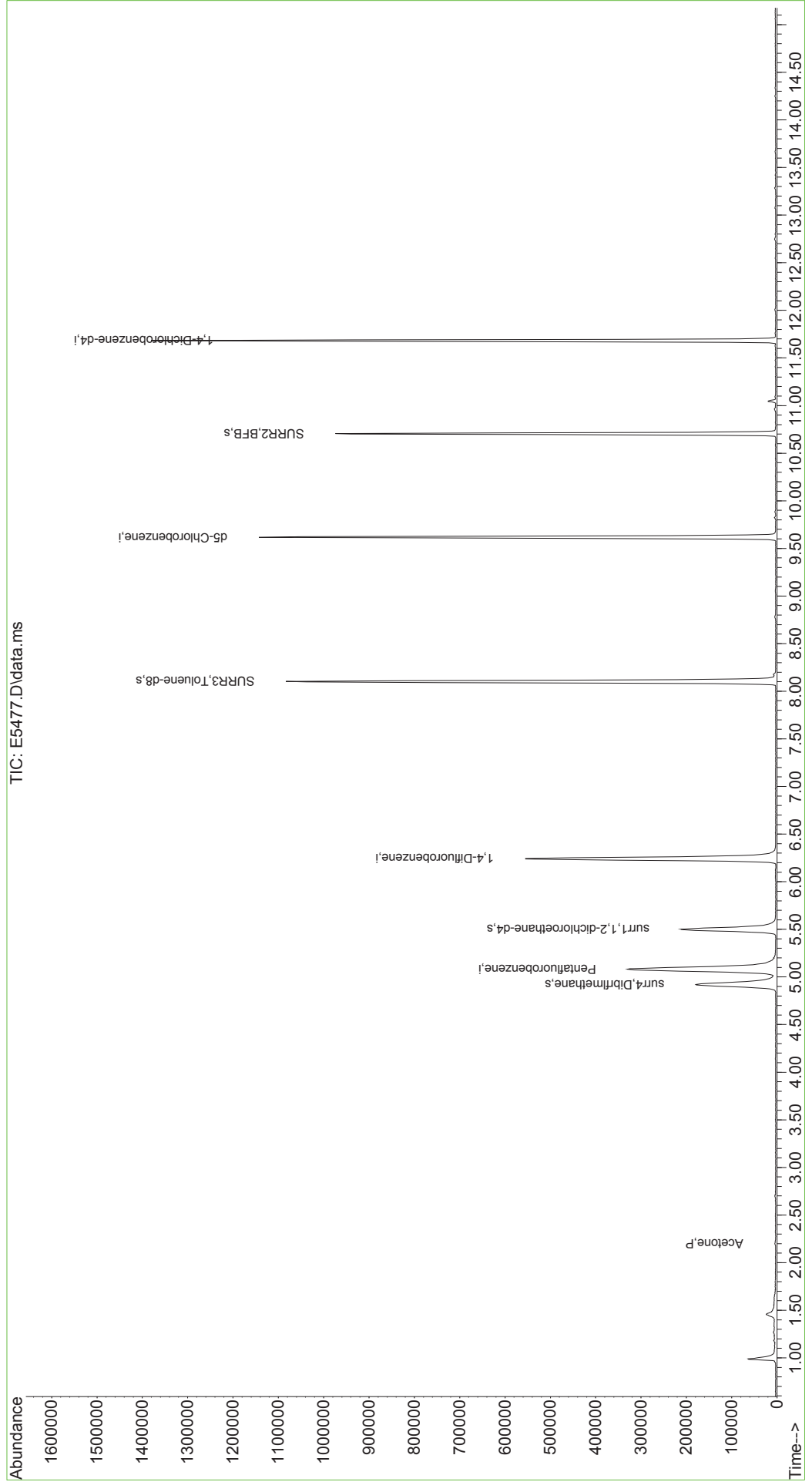
Quant Time: Sep 14 15:33:29 2023
 Quant Method : I:\ACQUADATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

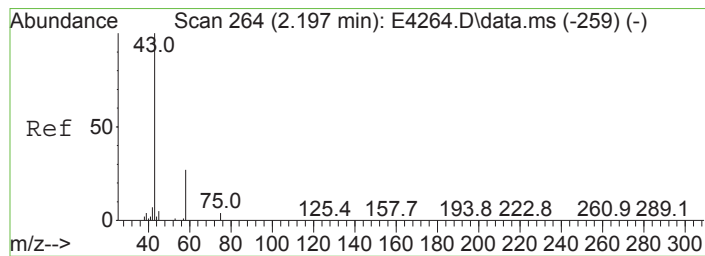
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|--------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.080 | 168 | 419851 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 603843 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.616 | 117 | 536129 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 273358 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 180576 | 45.22 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 90.44% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 219676 | 48.01 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 96.02% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 710027 | 48.88 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 97.76% | |
| 70) SURR2,BFB | 10.707 | 95 | 243721 | 44.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 88.08% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.203 | 43 | 2312 | 1.187 | ug/L | Qvalue 90 |

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

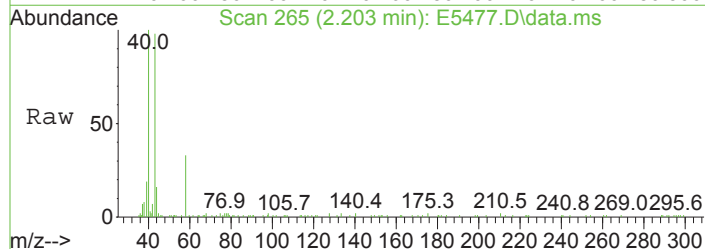
Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5477.D
 Acq On : 14 Sep 2023 03:05 pm
 Operator : K.Ruest
 Sample : R2308315-001|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 15:33:29 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

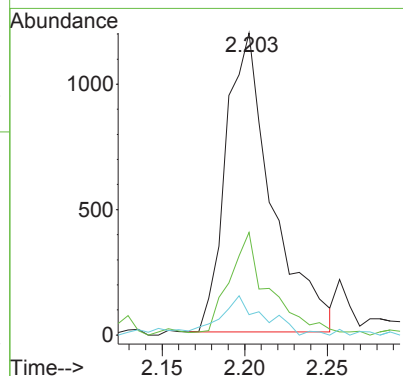
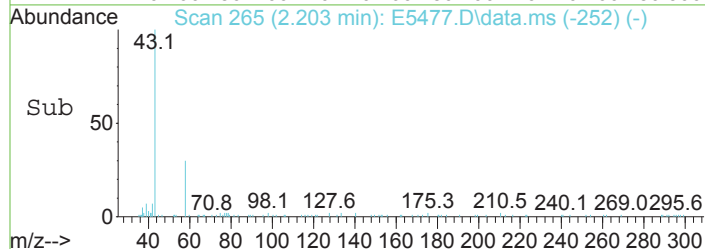




#16
 Acetone
 Concen: 1.19 ug/L
 RT: 2.203 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: E5477.D
 Acq: 14 Sep 2023 03:05 pm

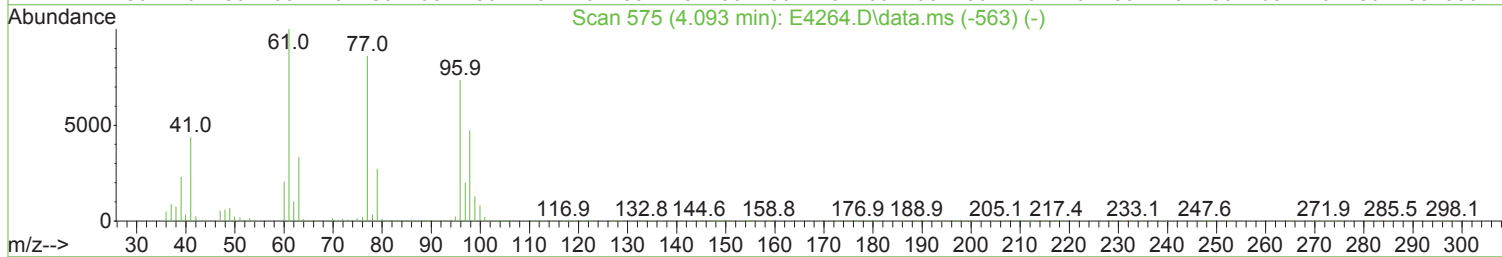
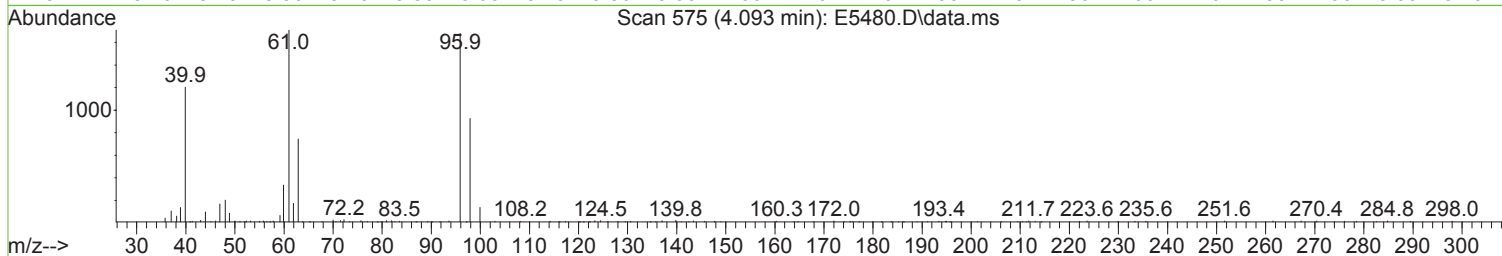
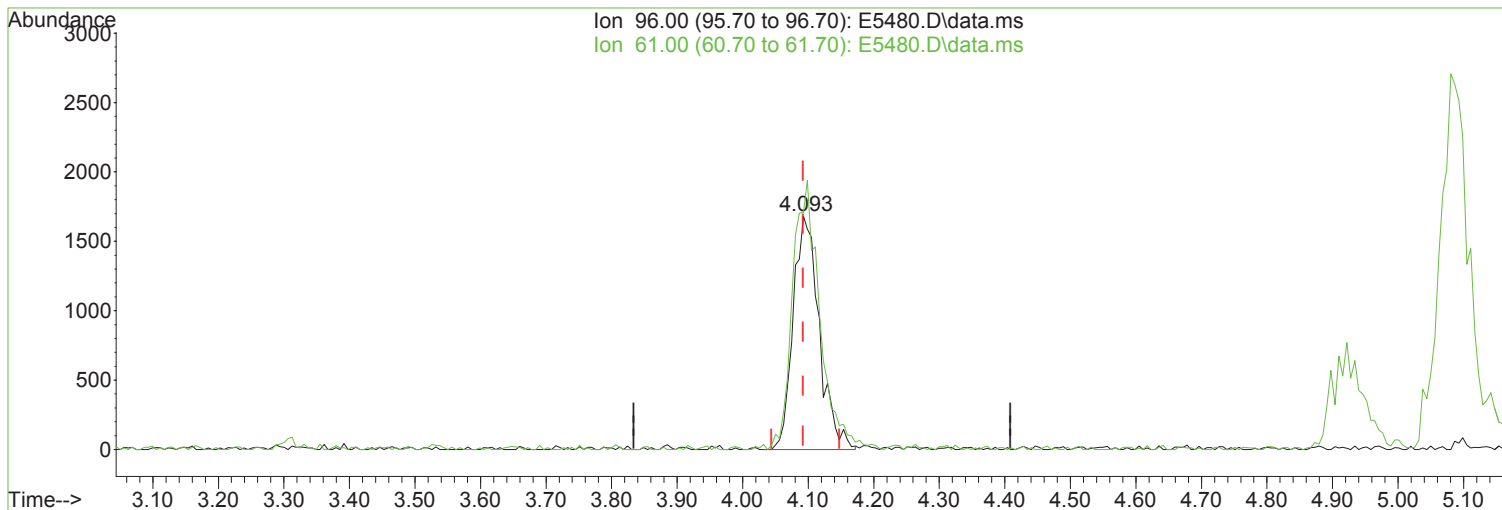


| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 34.0 | 7.7 | 47.7 |
| 42 | 6.8 | 0.0 | 27.6 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5480.D
Acq On : 14 Sep 2023 04:14 pm
Operator : K.Ruest
Sample : R2308315-002|1.0
Misc : VERINA 8260 T4
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 16:30:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5480.D\data.ms

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

Manual Integration:

4.093min (+ 0.000) 1.25 ug/L m

After

response 4658

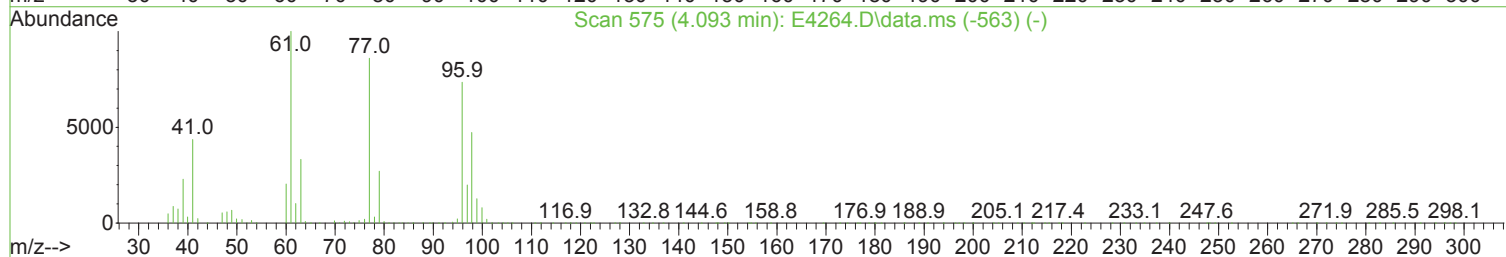
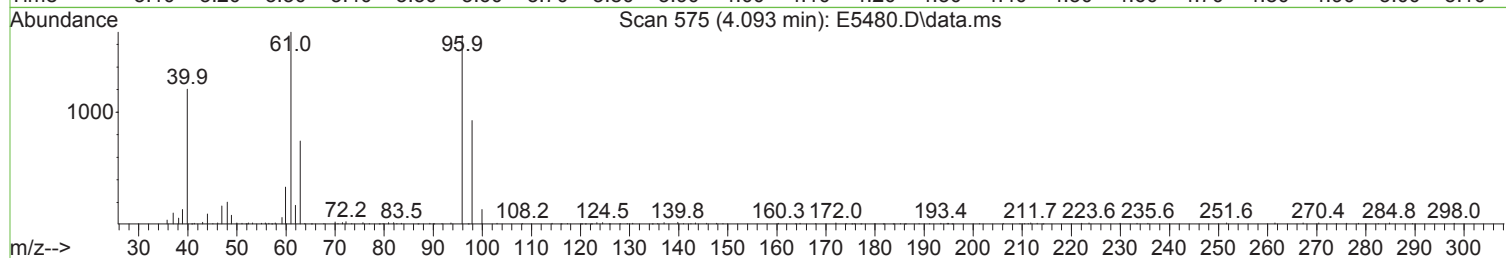
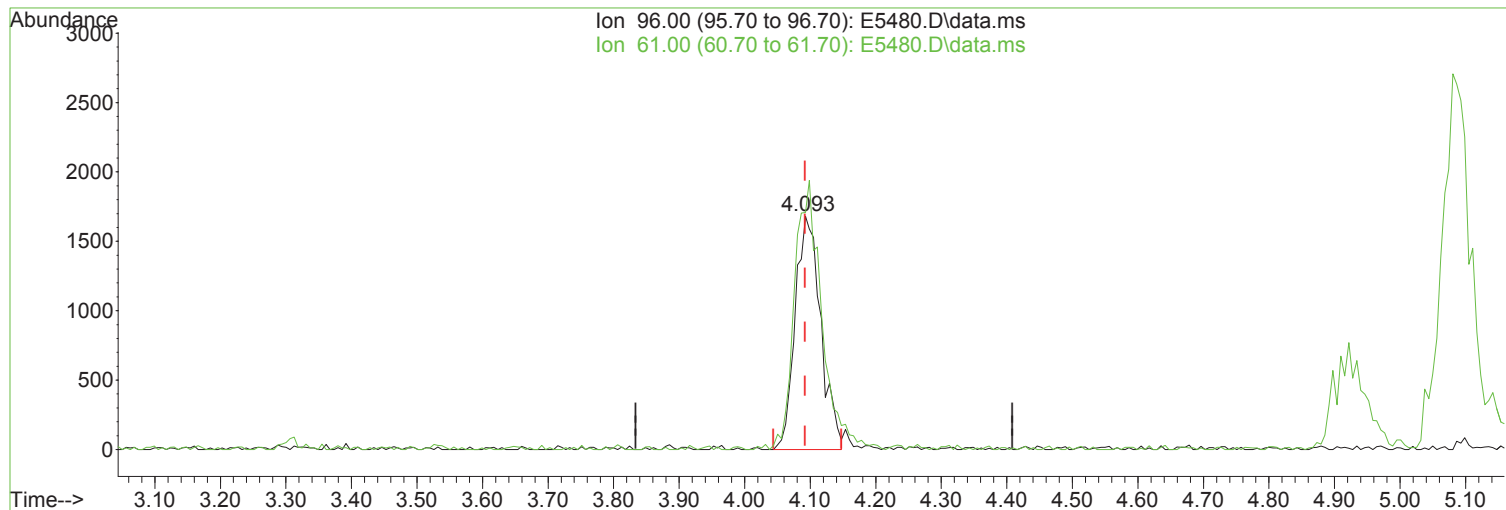
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 136.10 | 101.61# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/18/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5480.D
Acq On : 14 Sep 2023 04:14 pm
Operator : K.Ruest
Sample : R2308315-002|1.0
Misc : VERINA 8260 T4
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 16:30:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5480.D\data.ms

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

Manual Integration:

4.093min (+ 0.000) 1.22 ug/L

Before

response 4562

| Ion | Exp% | Act% |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 136.10 | 101.61# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/18/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5480.D
 Acq On : 14 Sep 2023 04:14 pm
 Operator : K.Ruest
 Sample : R2308315-002|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 4 Sample Multiplier: 1

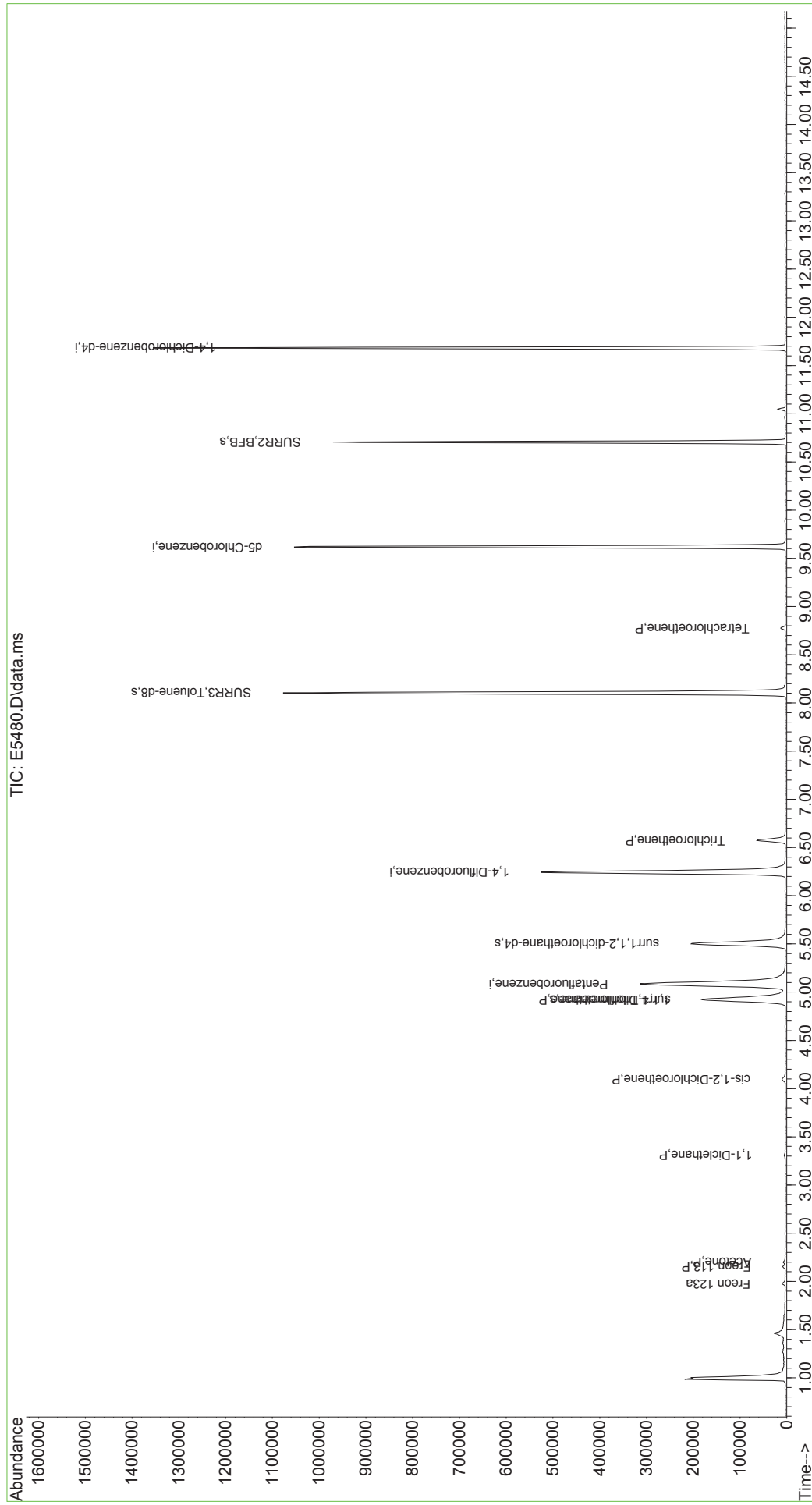
Quant Time: Sep 14 16:30:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

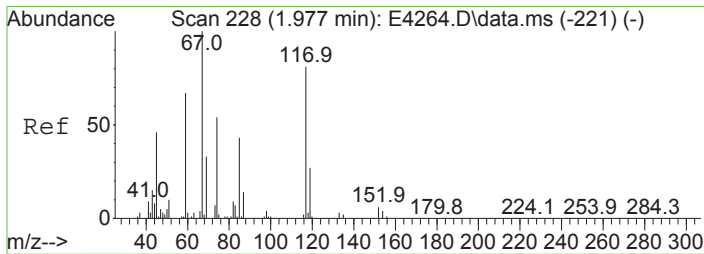
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 395420 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 561331 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.616 | 117 | 506200 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 259176 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 176989 | 47.68 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 95.36% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 215843 | 50.74 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 101.48% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 693805 | 51.38 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 102.76% | |
| 70) SURR2,BFB | 10.707 | 95 | 242923 | 47.22 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 94.44% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 11) Freon 123a | 1.971 | 67 | 3553 | 1.025 | ug/L # | 68 |
| 15) Freon 113 | 2.154 | 101 | 2318 | 0.705 | ug/L | 98 |
| 16) Acetone | 2.197 | 43 | 4241 | 2.312 | ug/L | 90 |
| 28) 1,1-Dicethane | 3.306 | 63 | 2511 | 0.465 | ug/L | 95 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 4658m | 1.249 | ug/L | |
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 6162 | 1.107 | ug/L | 94 |
| 54) Trichloroethene | 6.574 | 130 | 25952 | 6.866 | ug/L | 97 |
| 72) Tetrachloroethene | 8.769 | 164 | 2377 | 0.774 | ug/L # | 78 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5480.D
 Acq On : 14 Sep 2023 04:14 pm
 Operator : K.Ruest
 Sample : R2308315-002|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 4 Sample Multiplier: 1

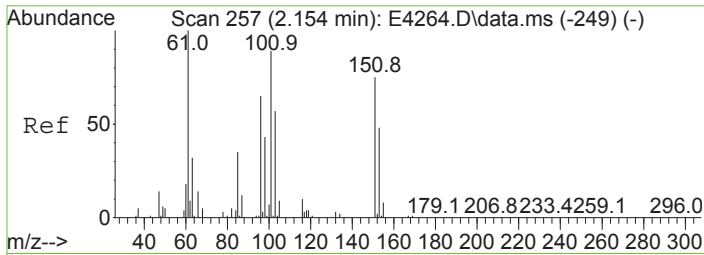
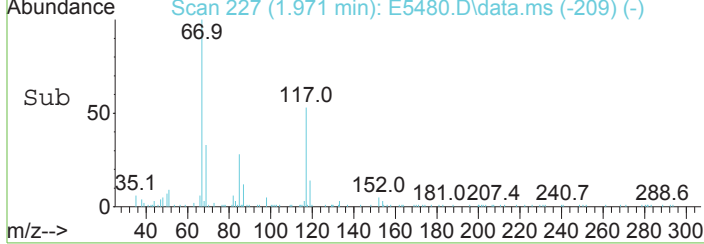
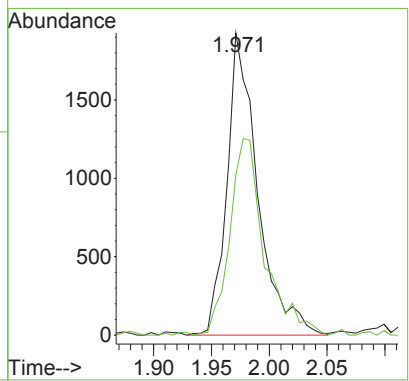
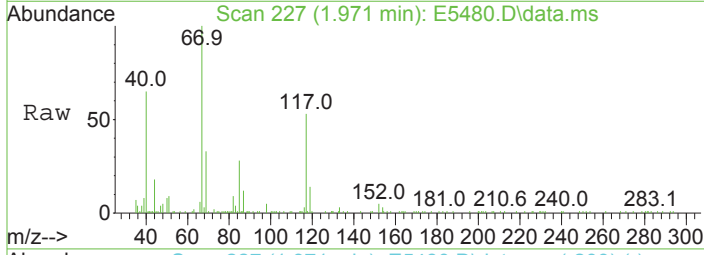
Quant Time: Sep 14 16:30:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration





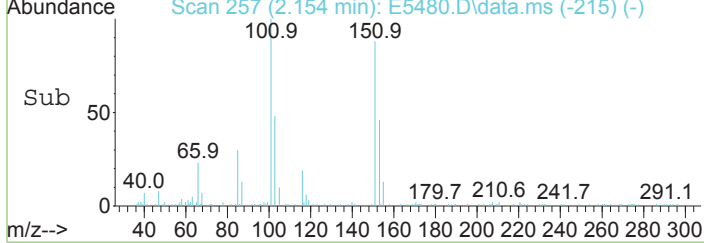
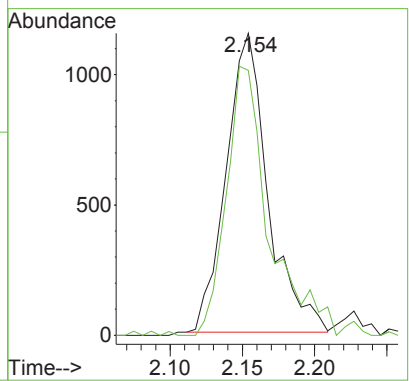
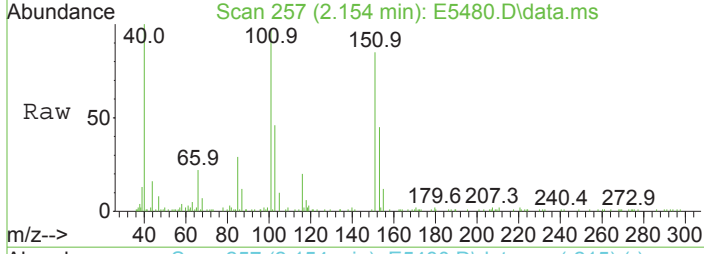
#11
 Freon 123a
 Concen: 1.03 ug/L
 RT: 1.971 min Scan# 227
 Delta R.T. -0.006 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

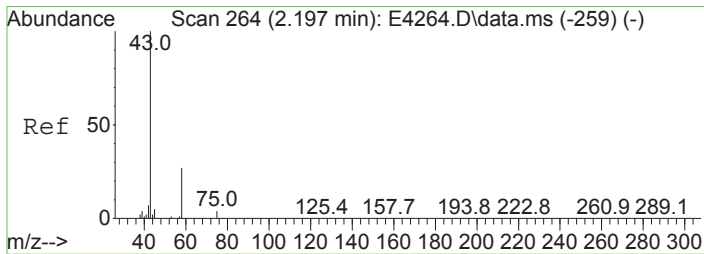
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 67 | 100 | | |
| 117 | 53.7 | 61.9 | 101.9# |



#15
 Freon 113
 Concen: 0.71 ug/L
 RT: 2.154 min Scan# 257
 Delta R.T. 0.000 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

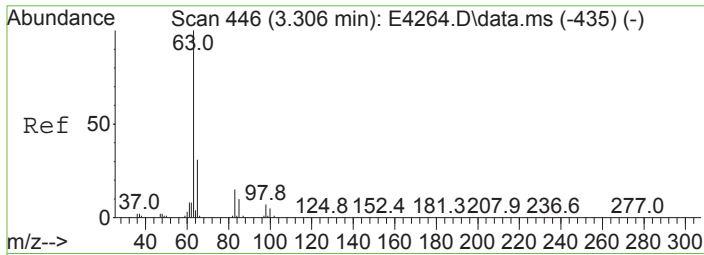
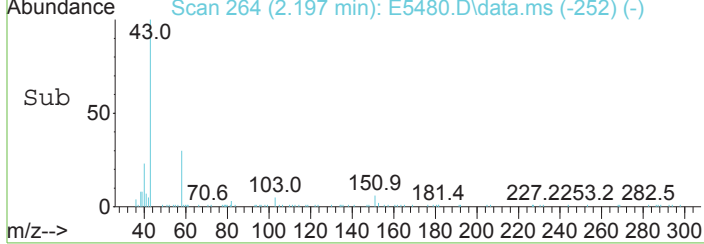
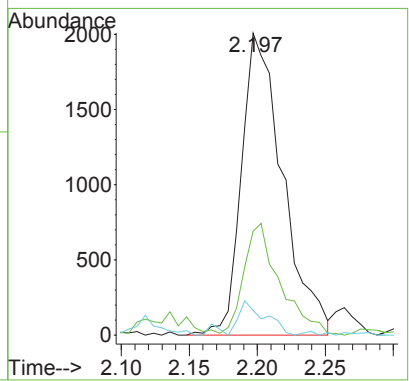
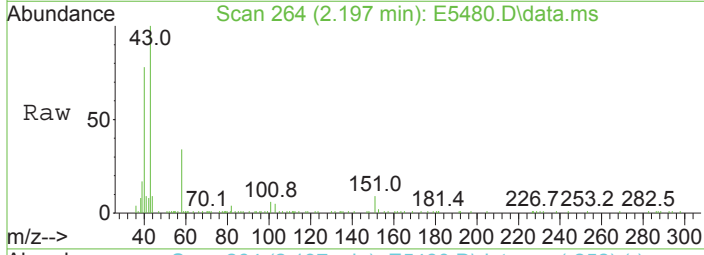
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 101 | 100 | | |
| 151 | 86.8 | 64.6 | 104.6 |





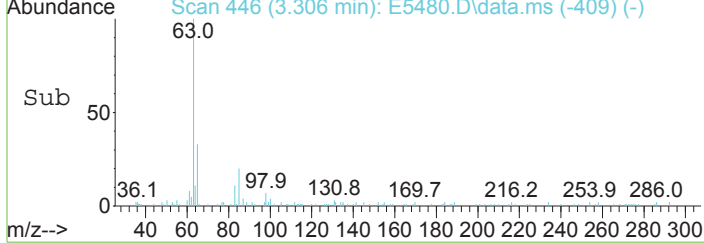
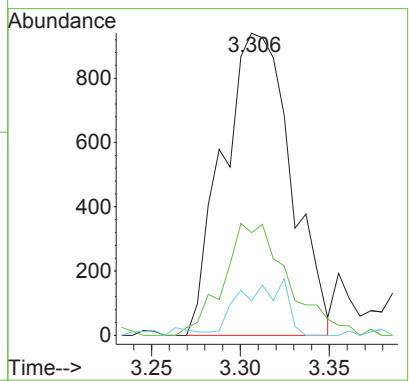
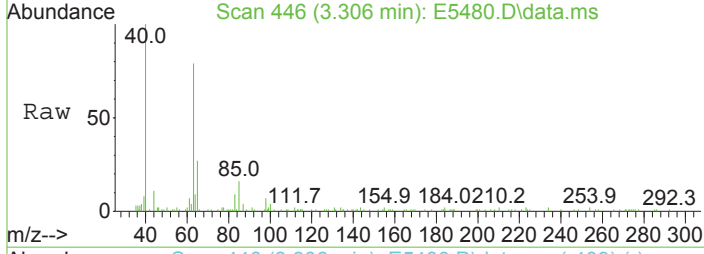
#16
 Acetone
 Concen: 2.31 ug/L
 RT: 2.197 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

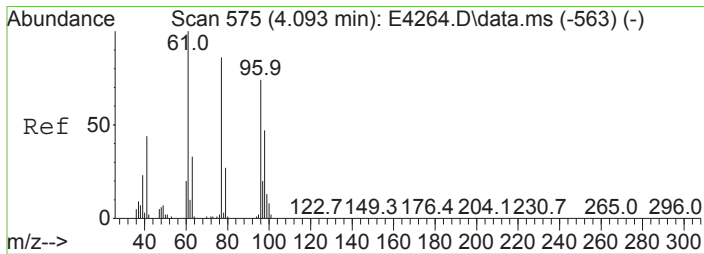
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 100 | | |
| 58 | 34.5 | 7.7 | 47.7 |
| 42 | 8.1 | 0.0 | 27.6 |



#28
 1,1-Dicethane
 Concen: 0.46 ug/L
 RT: 3.306 min Scan# 446
 Delta R.T. 0.000 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

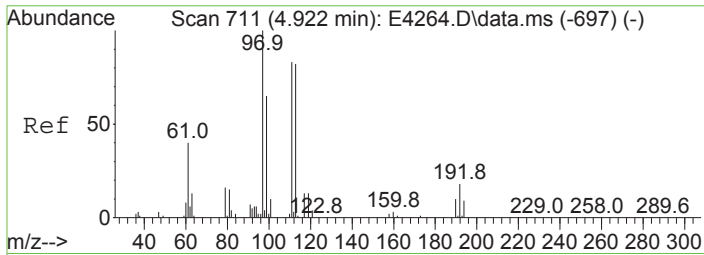
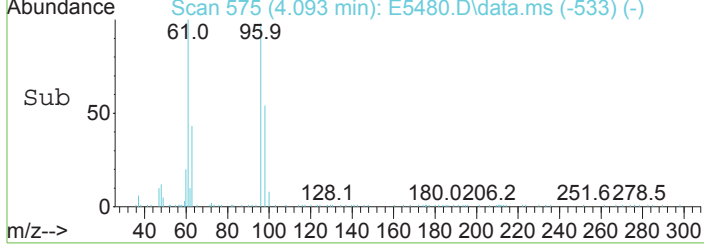
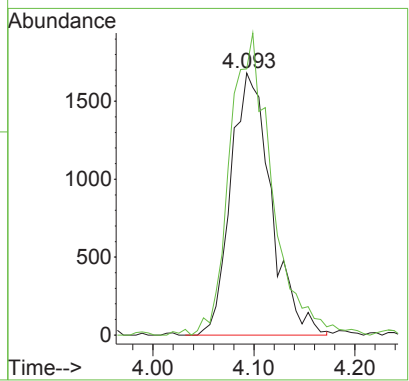
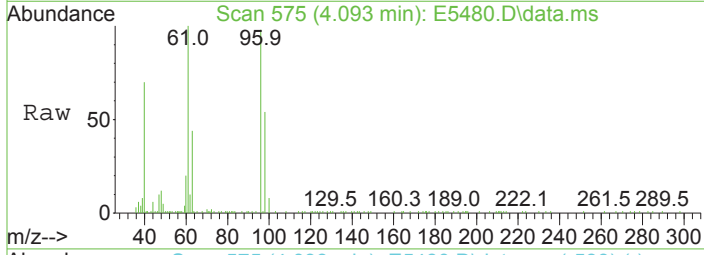
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63 | 100 | | |
| 65 | 34.0 | 11.1 | 51.1 |
| 83 | 12.9 | 0.0 | 34.8 |





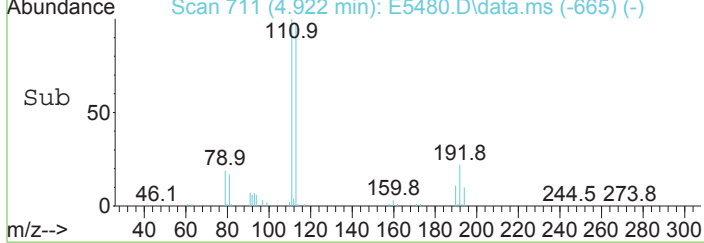
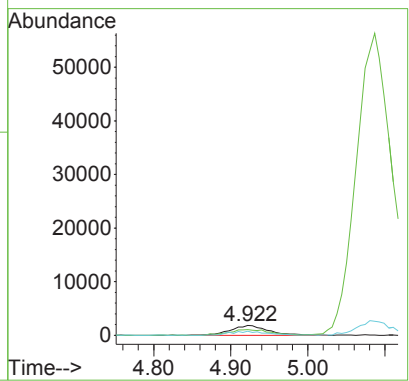
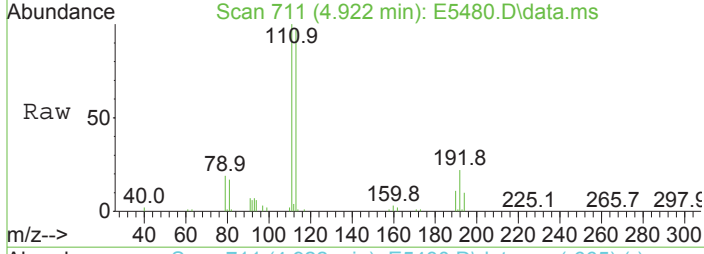
#34
 cis-1,2-Dichloroethene
 Concen: 1.25 ug/L m
 RT: 4.093 min Scan# 575
 Delta R.T. 0.000 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

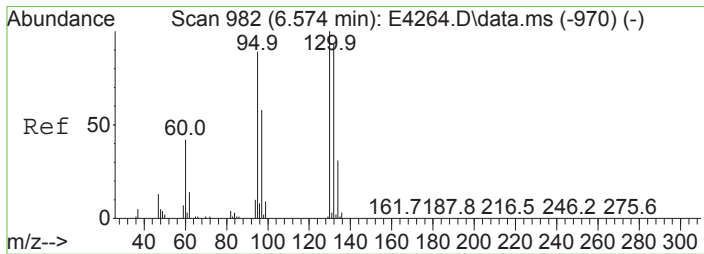
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 96 | 4658 | | |
| 96 | 100 | | |
| 61 | 101.6 | 116.1 | 156.1# |



#41
 1,1,1-Trichloroethane
 Concen: 1.11 ug/L
 RT: 4.922 min Scan# 711
 Delta R.T. 0.000 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

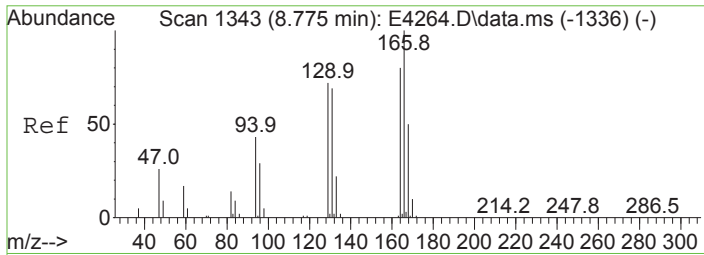
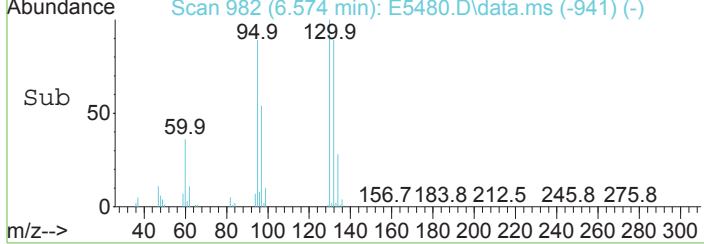
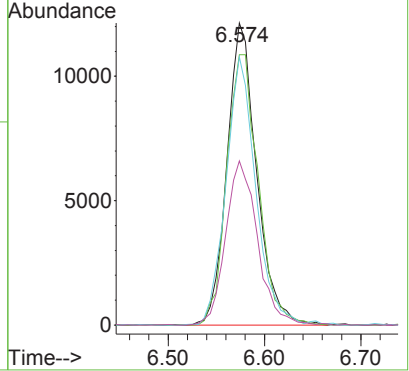
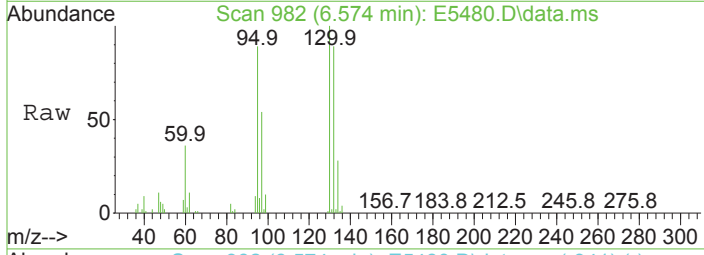
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 6162 | | |
| 97 | 100 | | |
| 99 | 58.4 | 45.0 | 85.0 |
| 61 | 42.3 | 20.4 | 60.4 |





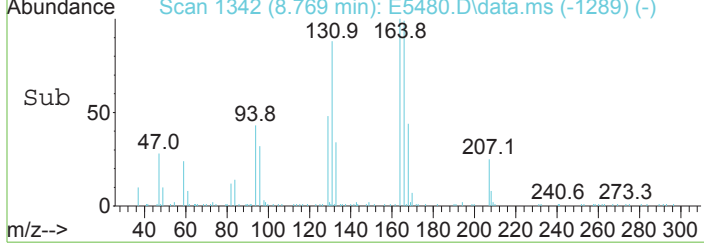
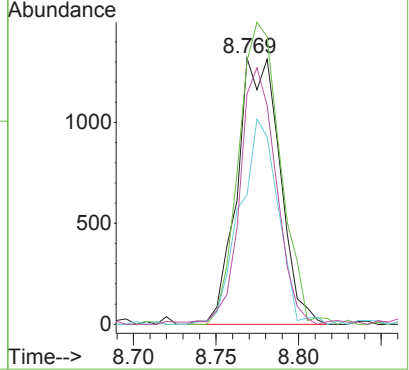
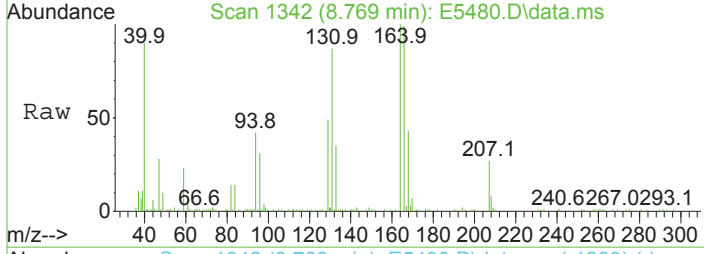
#54
 Trichloroethene
 Concen: 6.87 ug/L
 RT: 6.574 min Scan# 982
 Delta R.T. 0.000 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 130 | 25952 | | |
| 130 | 100 | | |
| 132 | 89.5 | 73.0 | 113.0 |
| 95 | 88.8 | 68.9 | 108.9 |
| 97 | 54.3 | 37.7 | 77.7 |



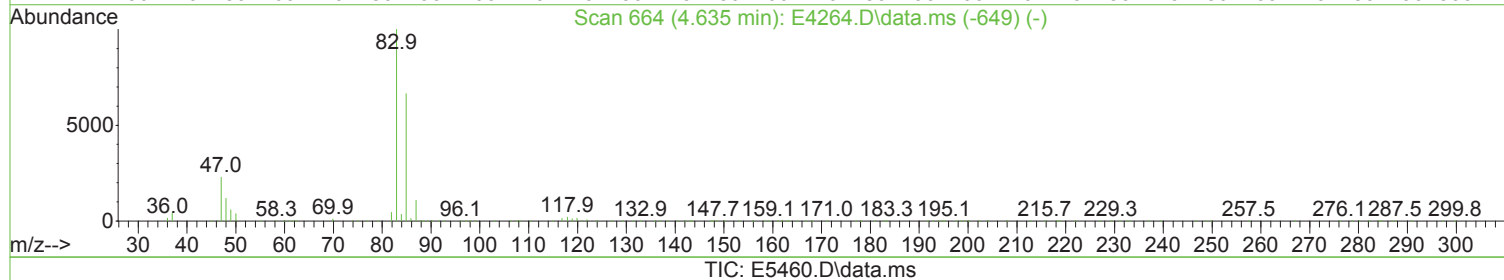
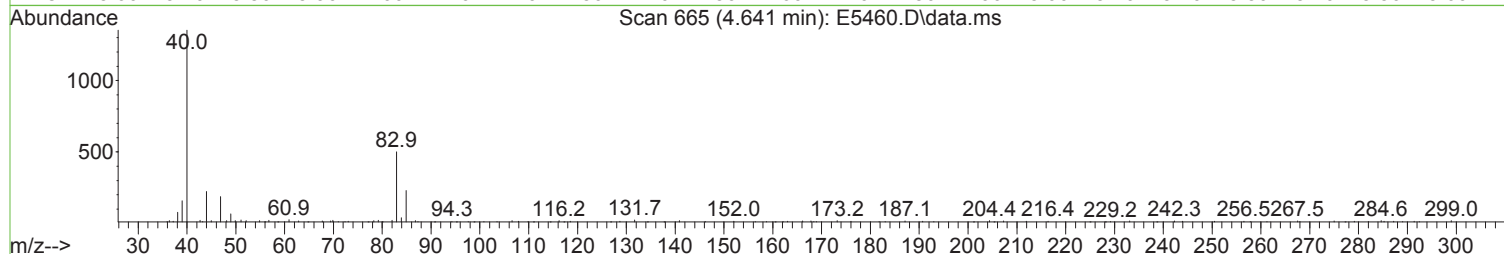
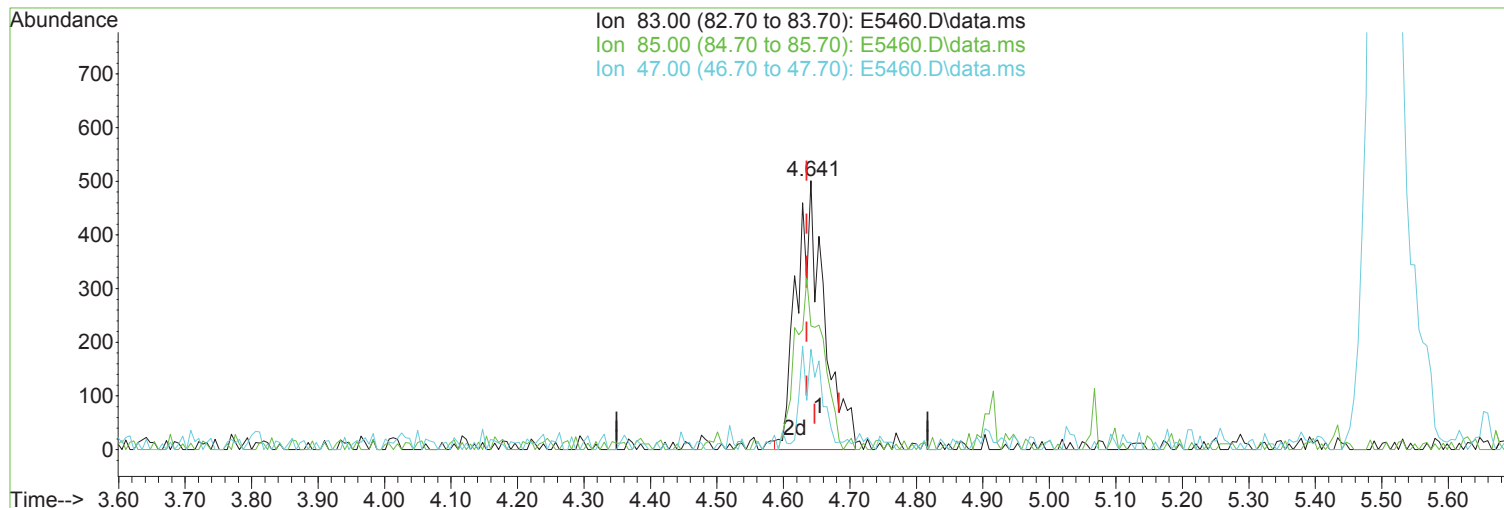
#72
 Tetrachloroethene
 Concen: 0.77 ug/L
 RT: 8.769 min Scan# 1342
 Delta R.T. -0.006 min
 Lab File: E5480.D
 Acq: 14 Sep 2023 04:14 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 164 | 2377 | | |
| 164 | 100 | | |
| 166 | 98.9 | 104.9 | 144.9# |
| 129 | 48.7 | 69.6 | 109.6# |
| 131 | 86.5 | 66.4 | 106.4 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5460.D
Acq On : 14 Sep 2023 07:13 am
Operator : K.Ruest
Sample : R2308315-003|1.0
Misc : VERINA 8260 T4
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 14 09:52:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(40) Chloroform (P)

Manual Integration:

4.641min (+ 0.006) 0.24 ug/L m

After

response 1442

Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 66.50 | 45.91# |
| 47.00 | 23.10 | 37.33 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5460.D
 Acq On : 14 Sep 2023 07:13 am
 Operator : K.Ruest
 Sample : R2308315-003|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 51 Sample Multiplier: 1

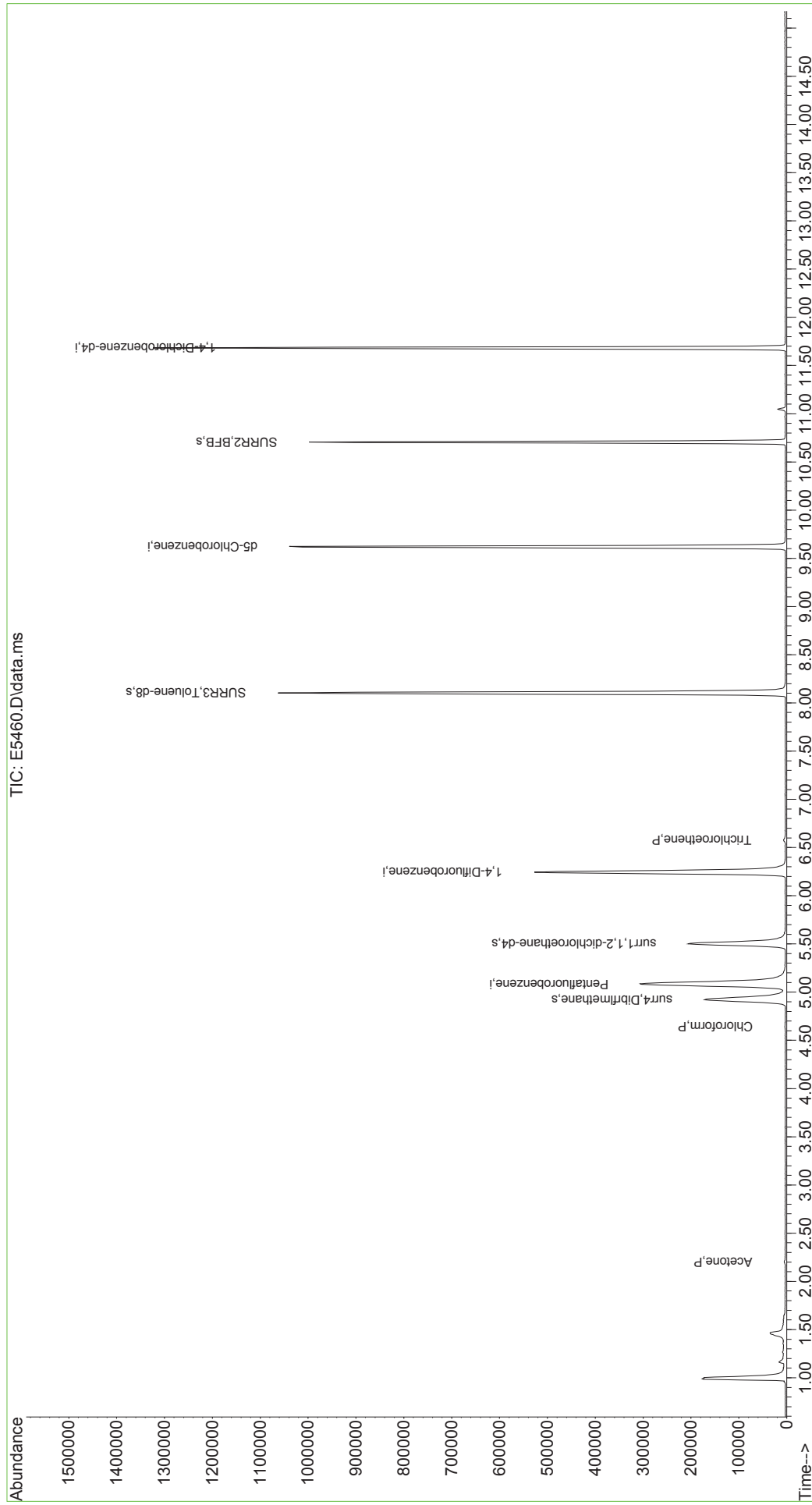
Quant Time: Sep 14 09:52:02 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

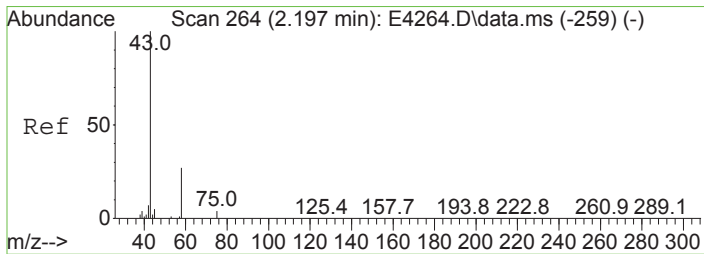
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 391888 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 562237 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 507444 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 260842 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 173883 | 46.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 93.54% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 214556 | 50.36 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 100.72% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 692093 | 51.17 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 102.34% | |
| 70) SURR2,BFB | 10.707 | 95 | 241605 | 46.88 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 93.76% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.203 | 43 | 2774 | 1.526 | ug/L | 82 |
| 40) Chloroform | 4.641 | 83 | 1442m | 0.238 | ug/L | |
| 54) Trichloroethene | 6.580 | 130 | 1770 | 0.468 | ug/L # | 74 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5460.D
 Acq On : 14 Sep 2023 07:13 am
 Operator : K.Ruest
 Sample : R2308315-003|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 51 Sample Multiplier: 1

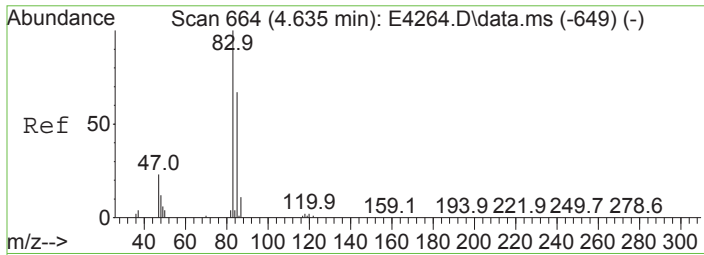
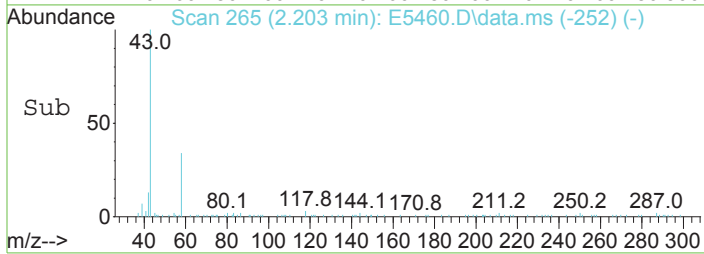
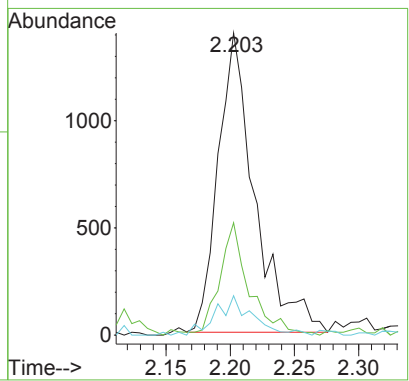
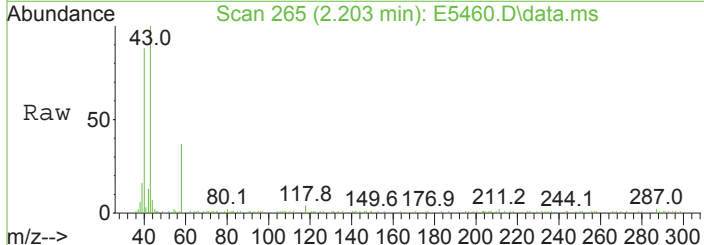
Quant Time: Sep 14 09:52:02 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration





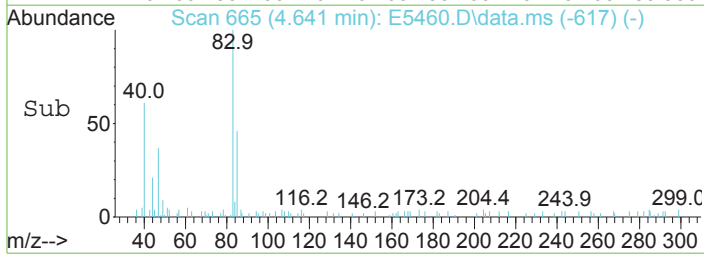
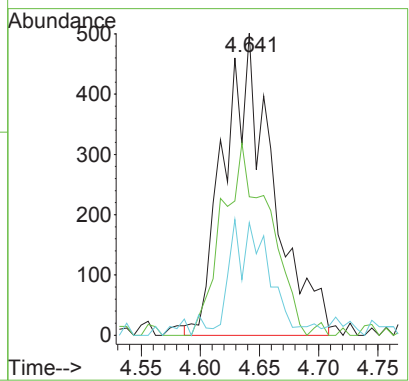
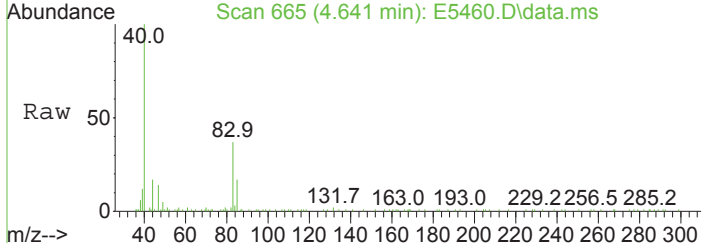
#16
 Acetone
 Concen: 1.53 ug/L
 RT: 2.203 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: E5460.D
 Acq: 14 Sep 2023 07:13 am

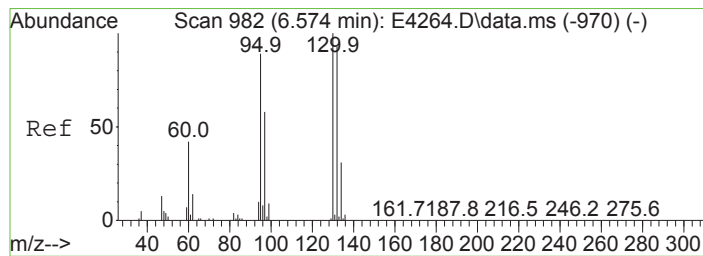
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 37.2 | 7.7 | 47.7 |
| 42 | 13.1 | 0.0 | 27.6 |



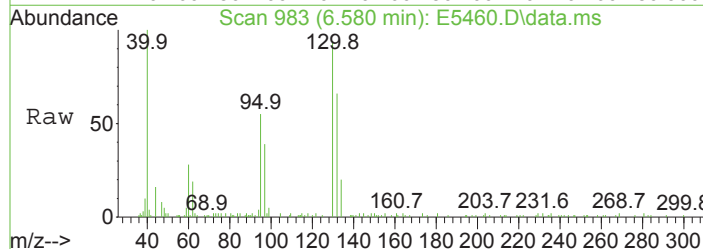
#40
 Chloroform
 Concen: 0.24 ug/L m
 RT: 4.641 min Scan# 665
 Delta R.T. 0.006 min
 Lab File: E5460.D
 Acq: 14 Sep 2023 07:13 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 45.9 | 46.5 | 86.5# |
| 47 | 37.3 | 3.1 | 43.1 |

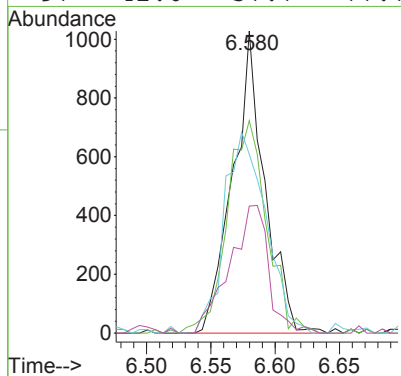
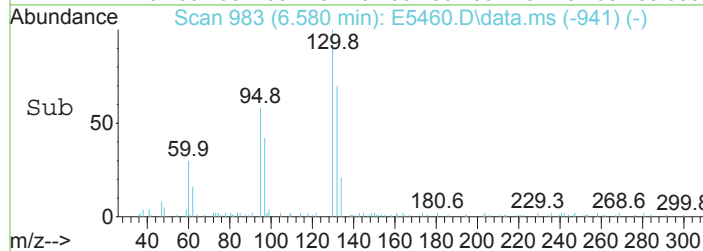




#54
 Trichloroethene
 Concen: 0.47 ug/L
 RT: 6.580 min Scan# 983
 Delta R.T. 0.006 min
 Lab File: E5460.D
 Acq: 14 Sep 2023 07:13 am



| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 130 | 100 | | |
| 132 | 70.3 | 73.0 | 113.0# |
| 95 | 59.2 | 68.9 | 108.9# |
| 97 | 42.0 | 37.7 | 77.7 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5461.D
 Acq On : 14 Sep 2023 07:36 am
 Operator : K.Ruest
 Sample : R2308315-004|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 52 Sample Multiplier: 1

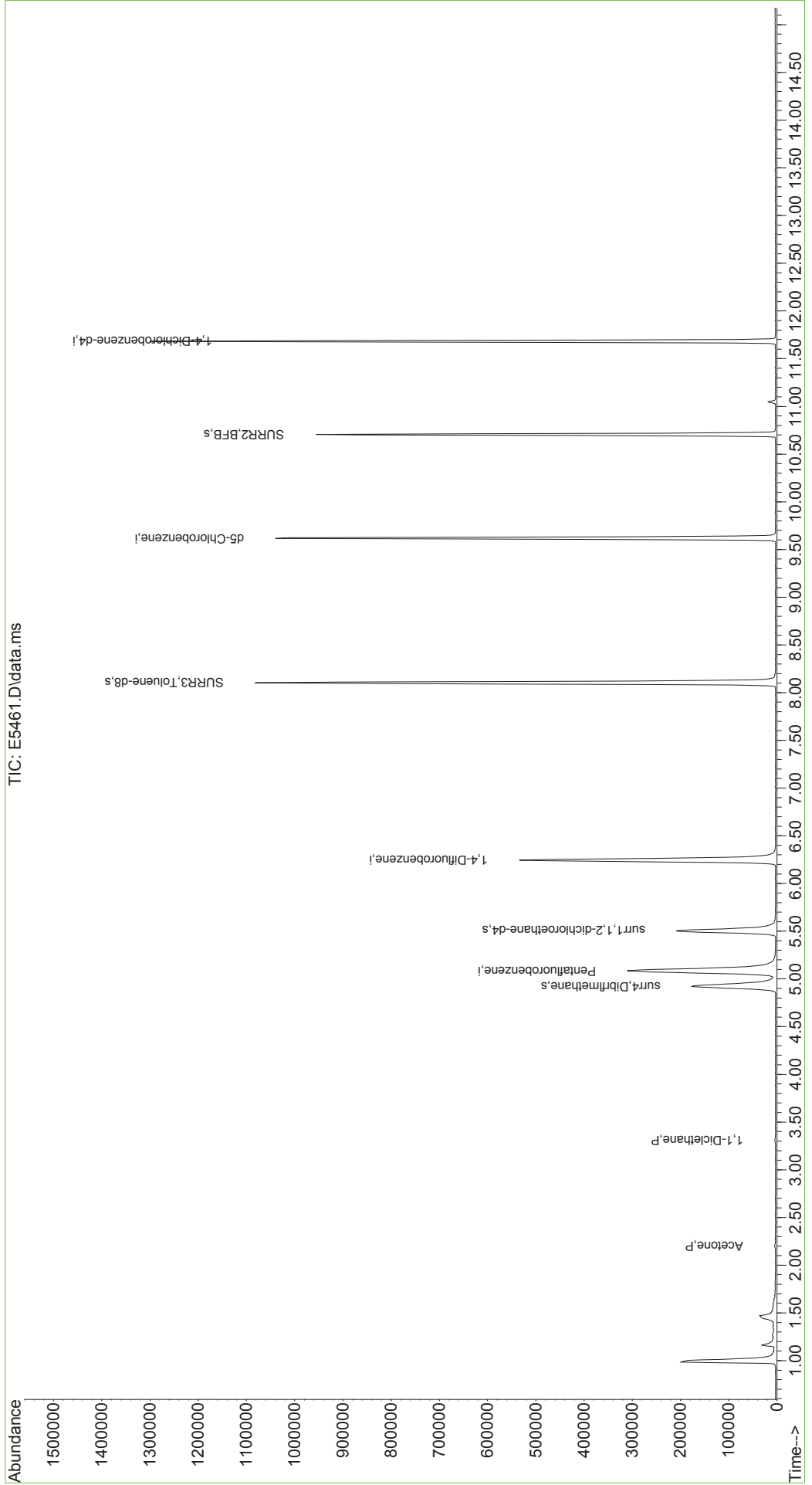
Quant Time: Sep 14 09:52:32 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

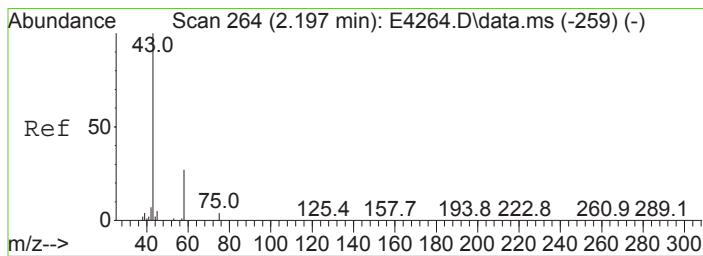
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 389850 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 564418 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.616 | 117 | 506924 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 261463 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 175378 | 46.99 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 93.98% | |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 220468 | 51.55 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 103.10% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 701216 | 51.65 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 103.30% | |
| 70) SURR2,BFB | 10.707 | 95 | 233501 | 45.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 90.28% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.197 | 43 | 2561 | 1.416 | ug/L | 74 |
| 28) 1,1-Diclcethane | 3.312 | 63 | 2153 | 0.404 | ug/L | 92 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5461.D
Acq On : 14 Sep 2023 07:36 am
Operator : K.Ruest
Sample : R2308315-004|1.0
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

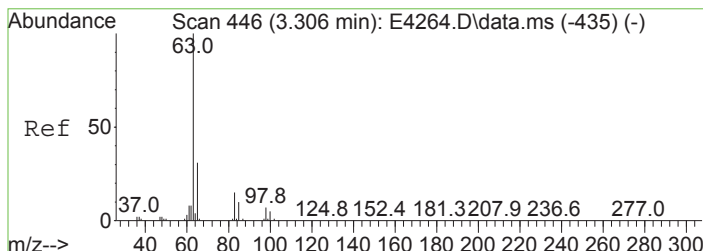
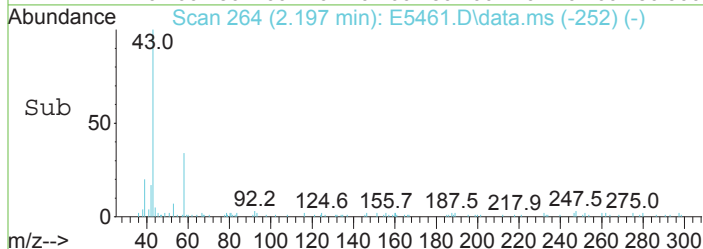
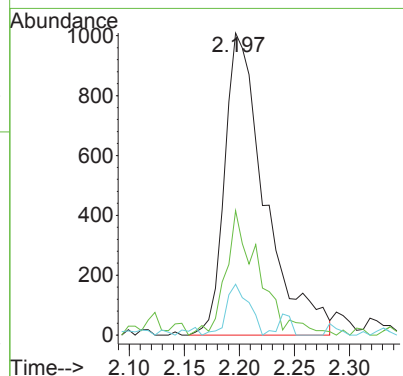
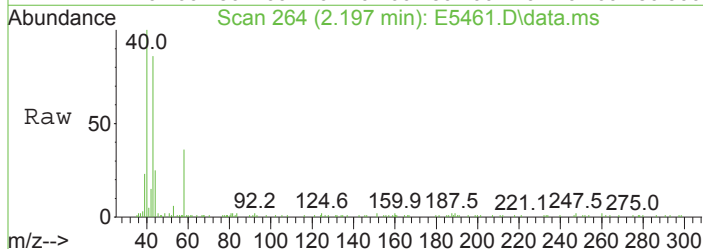
Quant Time: Sep 14 09:52:32 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





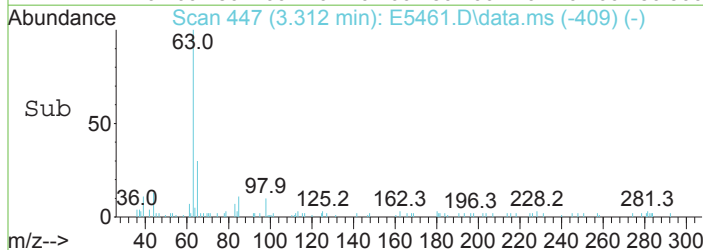
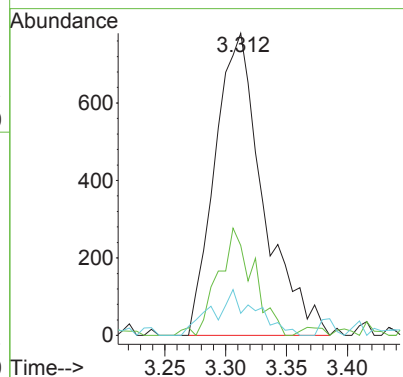
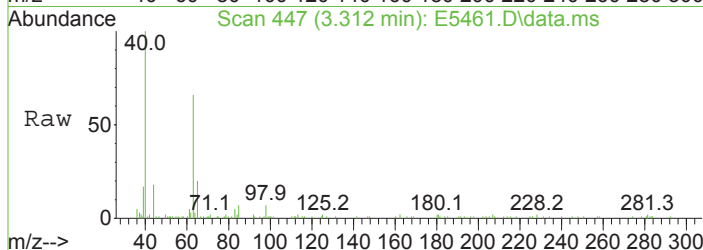
#16
 Acetone
 Concen: 1.42 ug/L
 RT: 2.197 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: E5461.D
 Acq: 14 Sep 2023 07:36 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 100 | | |
| 58 | 41.2 | 7.7 | 47.7 |
| 42 | 16.8 | 0.0 | 27.6 |



#28
 1,1-Dicylethane
 Concen: 0.40 ug/L
 RT: 3.312 min Scan# 447
 Delta R.T. 0.006 min
 Lab File: E5461.D
 Acq: 14 Sep 2023 07:36 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63 | 100 | | |
| 65 | 29.7 | 11.1 | 51.1 |
| 83 | 7.3 | 0.0 | 34.8 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5479.D
 Acq On : 14 Sep 2023 03:51 pm
 Operator : K.Ruest
 Sample : R2308315-007|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 3 Sample Multiplier: 1

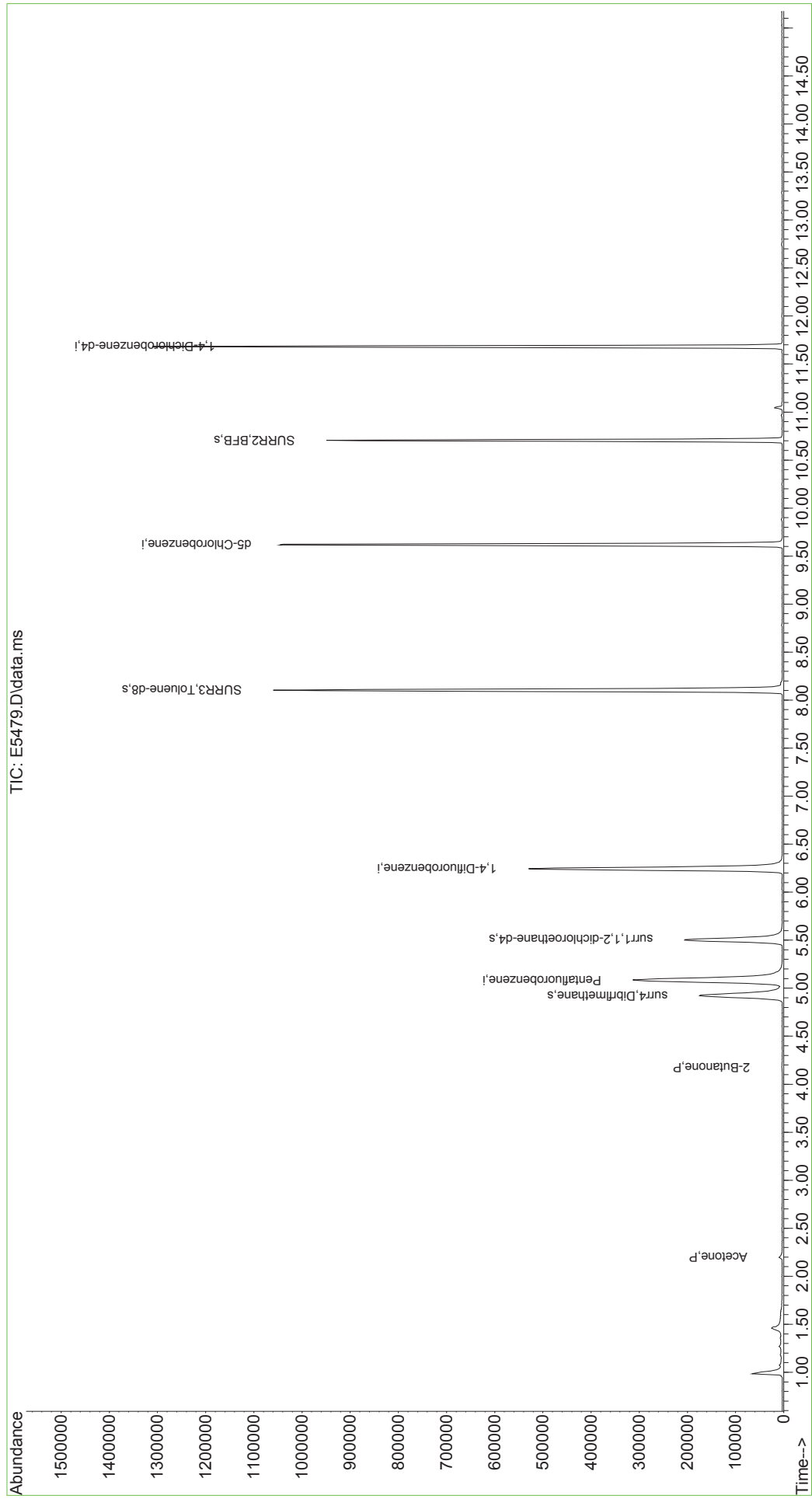
Quant Time: Sep 14 16:27:17 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

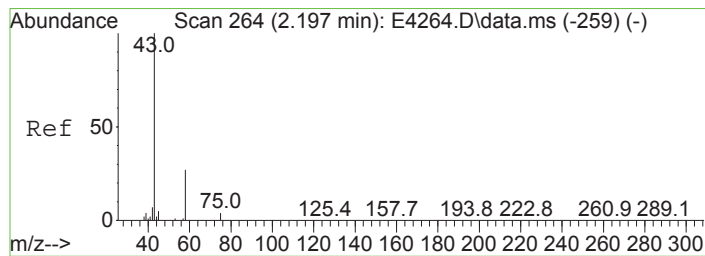
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 398605 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 570812 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 507125 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 262725 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 176016 | 46.63 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 93.26% | |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 214672 | 49.63 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 99.26% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 696819 | 50.75 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 101.50% | |
| 70) SURR2,BFB | 10.707 | 95 | 234564 | 44.83 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 89.66% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.197 | 43 | 8642 | 4.673 | ug/L | 96 |
| 35) 2-Butanone | 4.178 | 43 | 1885 | 0.863 | ug/L | 82 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5479.D
 Acq On : 14 Sep 2023 03:51 pm
 Operator : K.Ruest
 Sample : R2308315-007|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 3 Sample Multiplier: 1

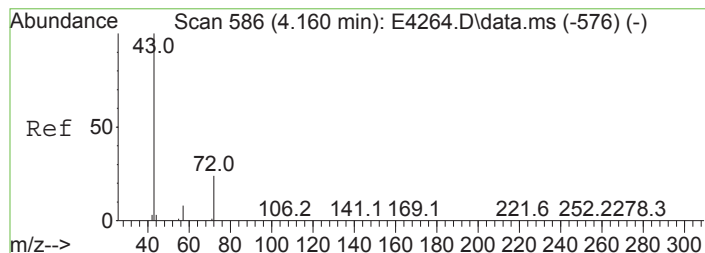
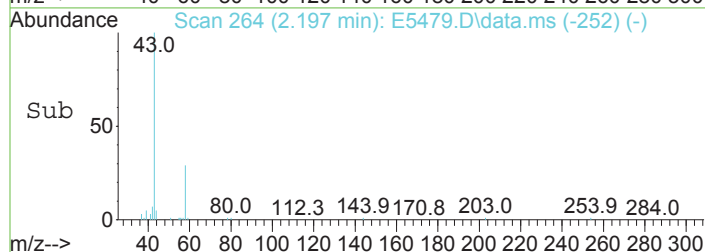
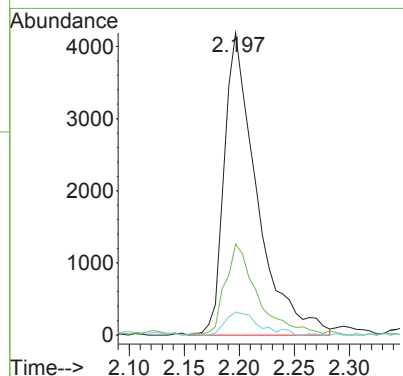
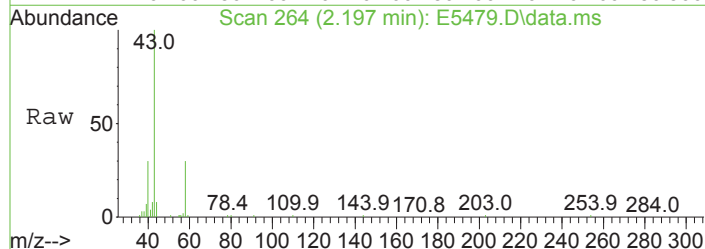
Quant Time: Sep 14 16:27:17 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration





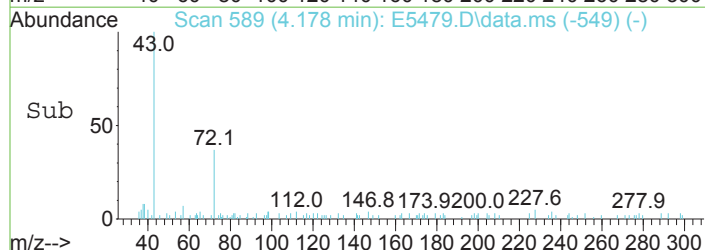
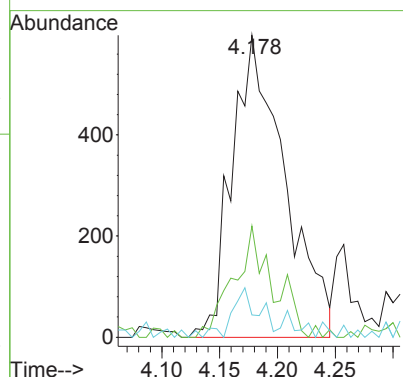
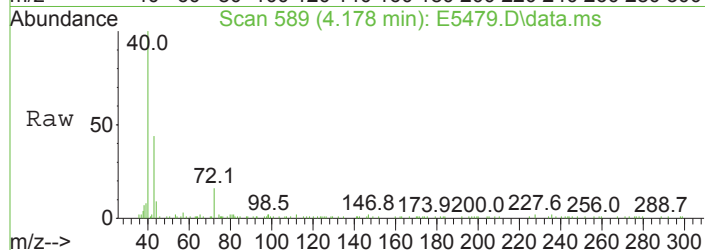
#16
 Acetone
 Concen: 4.67 ug/L
 RT: 2.197 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: E5479.D
 Acq: 14 Sep 2023 03:51 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 30.0 | 7.7 | 47.7 |
| 42 | 7.5 | 0.0 | 27.6 |



#35
 2-Butanone
 Concen: 0.86 ug/L
 RT: 4.178 min Scan# 589
 Delta R.T. 0.018 min
 Lab File: E5479.D
 Acq: 14 Sep 2023 03:51 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 72 | 36.9 | 5.4 | 45.4 |
| 57 | 7.4 | 0.0 | 28.6 |



Data Path : I:\ACQUADATA\MSVOA17\Data\091423\
 Data File : E5478.D
 Acq On : 14 Sep 2023 03:28 pm
 Operator : K.Ruest
 Sample : R2308315-012|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 15:43:56 2023
 Quant Method : I:\ACQUADATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

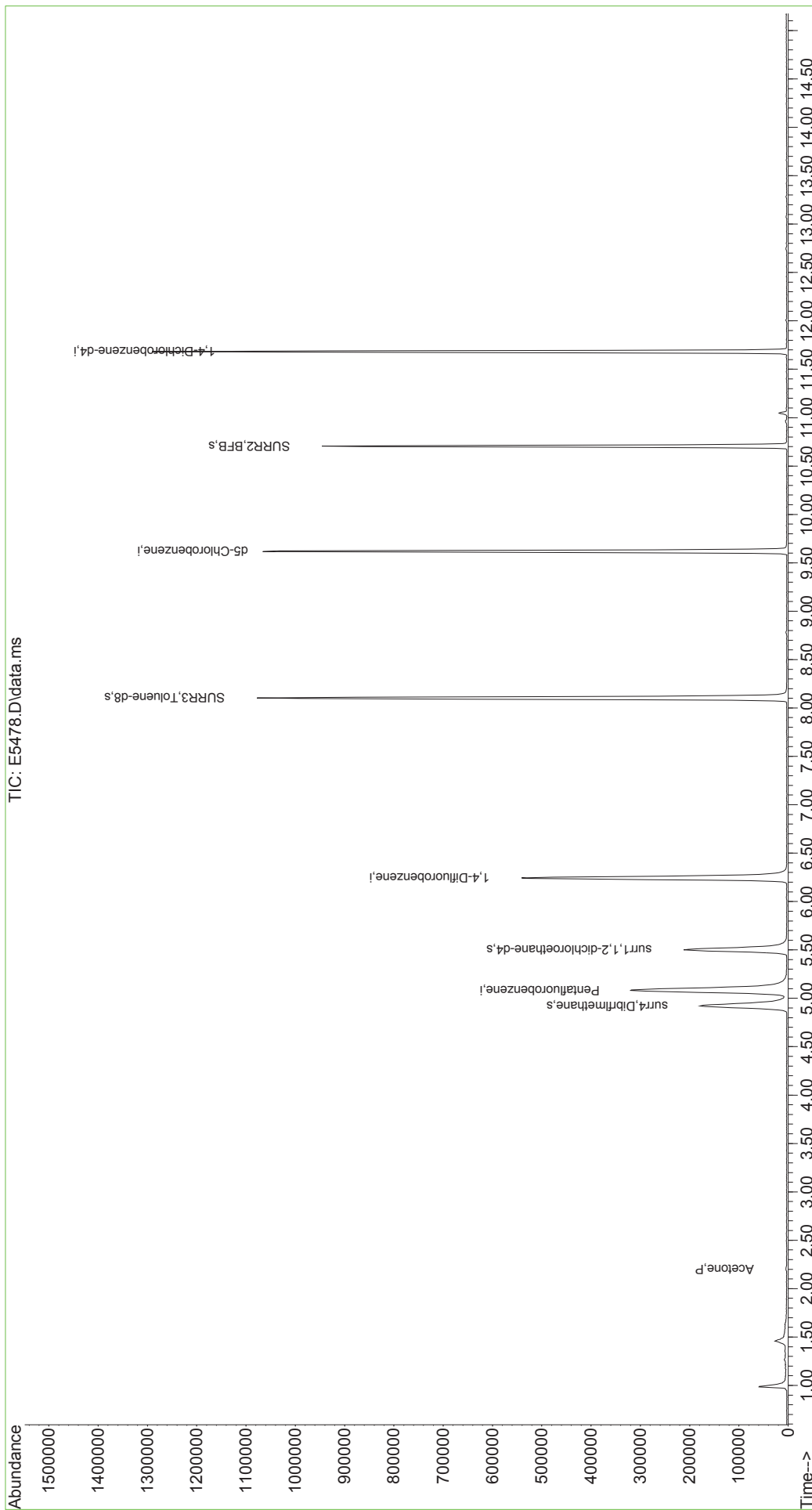
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 405606 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 576990 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 515971 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 257381 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 177164 | 46.43 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 92.86% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 218754 | 50.03 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 100.06% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 708689 | 51.06 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 102.12% | |
| 70) SURR2,BFB | 10.707 | 95 | 233585 | 44.17 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 88.34% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.203 | 43 | 2109 | 1.121 | ug/L | 98 |

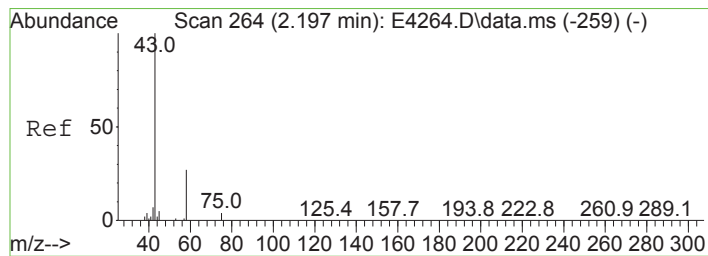
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5478.D
Acq On : 14 Sep 2023 03:28 pm
Operator : K.Ruest
Sample : R2308315-012|1.0
Misc : VERINA 8260 T4
ALS Vial : 2 Sample Multiplier: 1

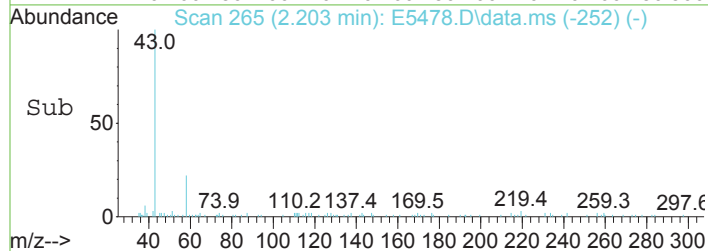
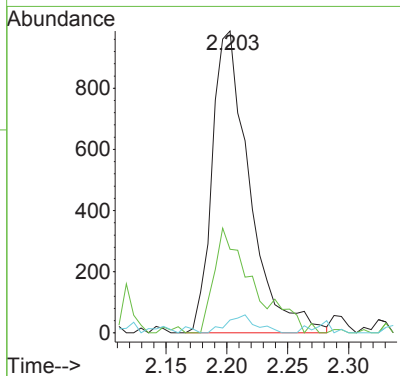
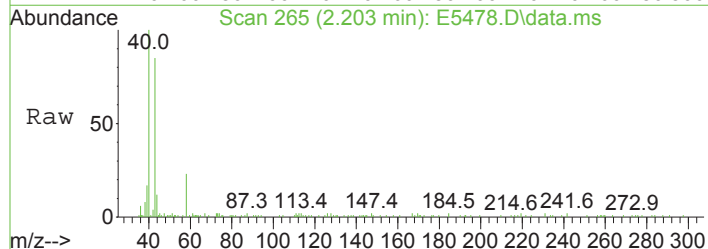
Quant Time: Sep 14 15:43:56 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





#16
 Acetone
 Concen: 1.12 ug/L
 RT: 2.203 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: E5478.D
 Acq: 14 Sep 2023 03:28 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 27.7 | 7.7 | 47.7 |
| 42 | 4.3 | 0.0 | 27.6 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5444.D
 Acq On : 14 Sep 2023 01:05 am
 Operator : K.Ruest
 Sample : MBLK-FP
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

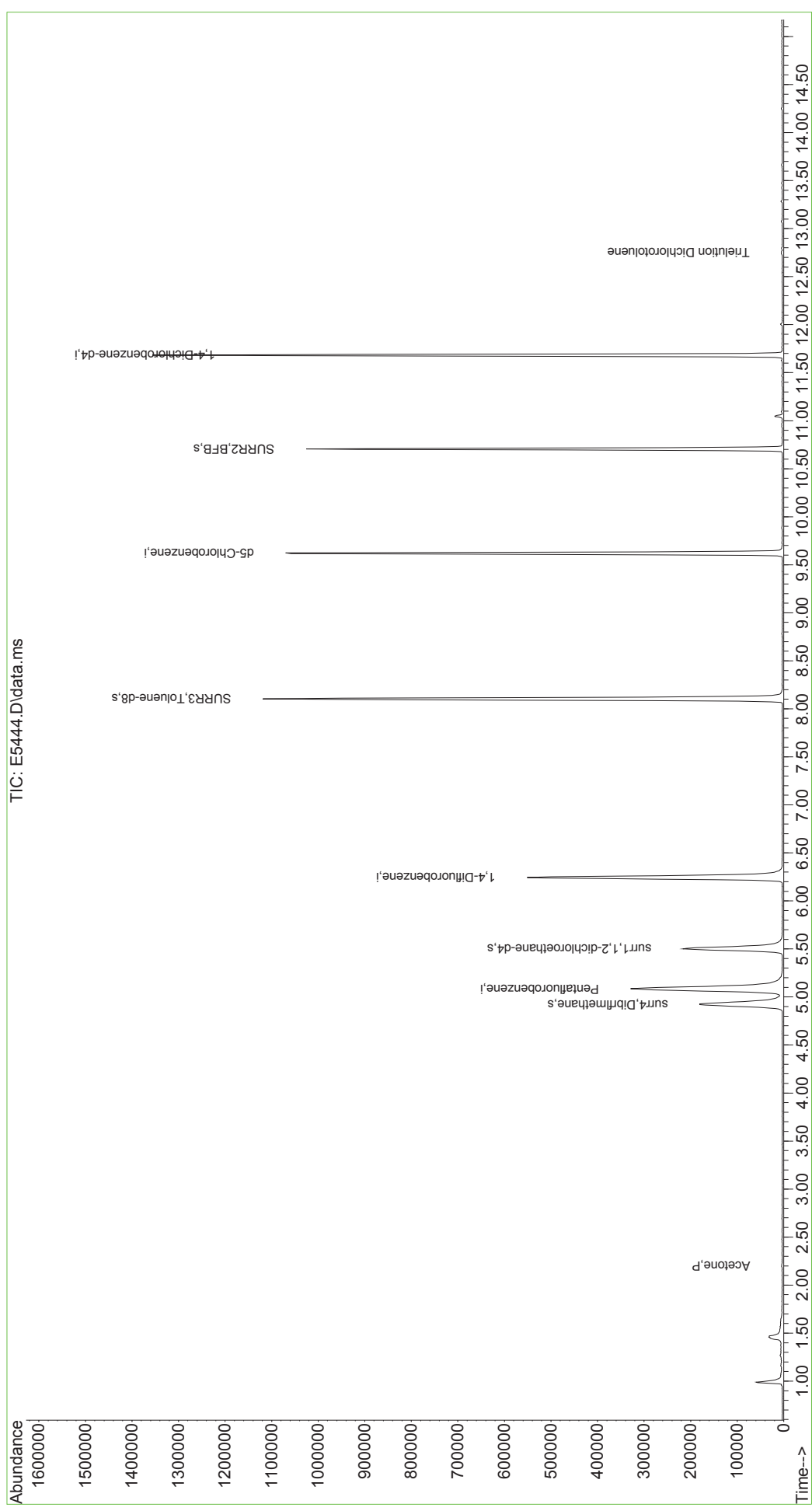
Quant Time: Sep 14 09:31:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

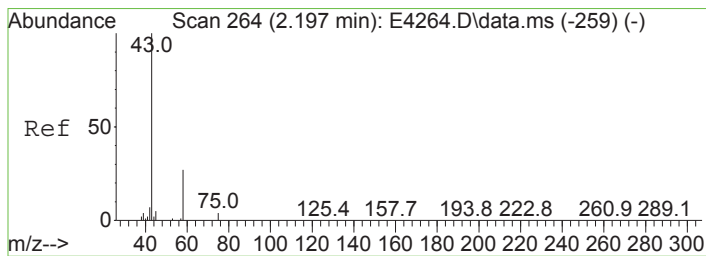
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 410162 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 580823 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 522271 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 268179 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 183470 | 47.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 95.54% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 223419 | 50.76 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 101.52% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 725401 | 51.92 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 103.84% | |
| 70) SURR2,BFB | 10.707 | 95 | 248794 | 46.73 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 93.46% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.203 | 43 | 1580 | 0.830 | ug/L | 87 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 1449 | 0.212 | ug/L | 98 |

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

Quantitation Report (QT Reviewed)

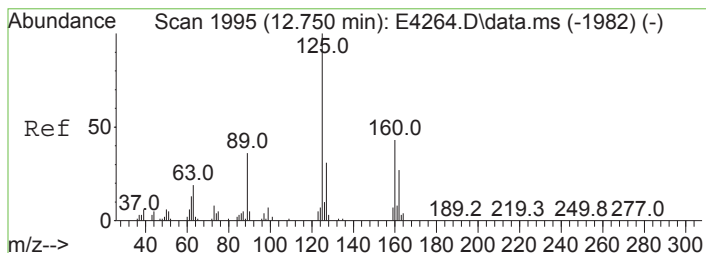
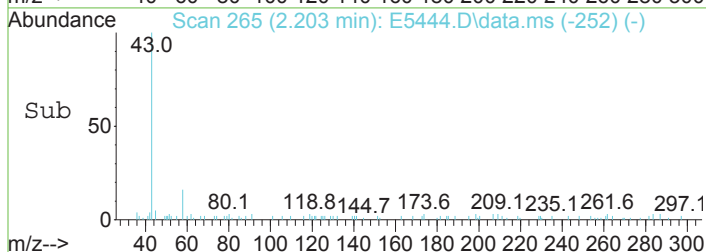
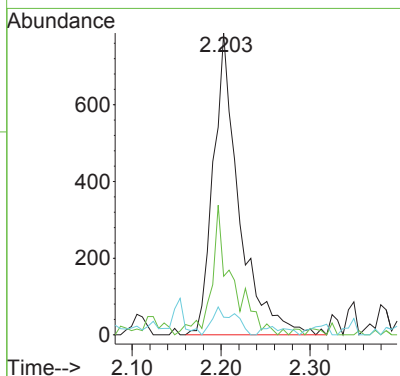
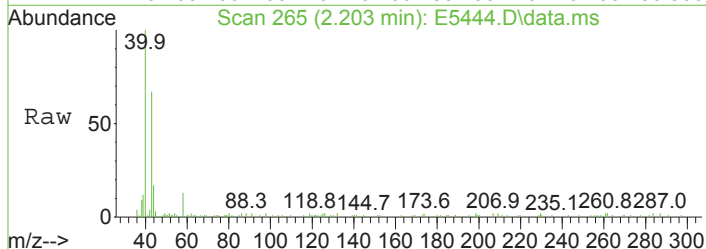
Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5444.D
Acq On : 14 Sep 2023 01:05 am
Operator : K.Ruest
Sample : MBLK-Fp
Misc :
ALS Vial : 35 Sample Multiplier: 1
Quant Time: Sep 14 09:31:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





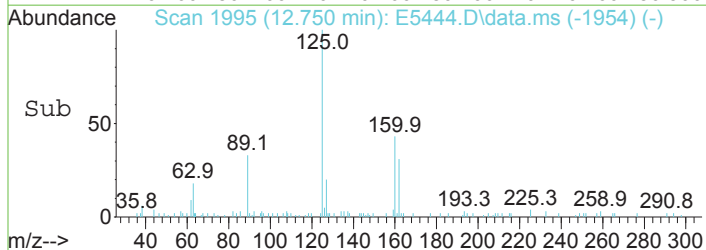
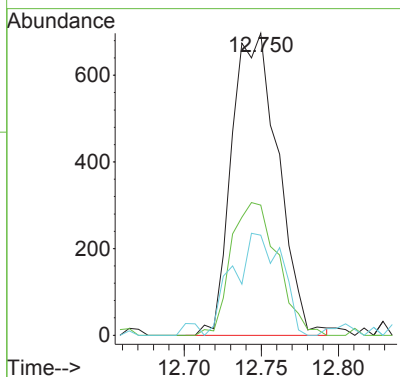
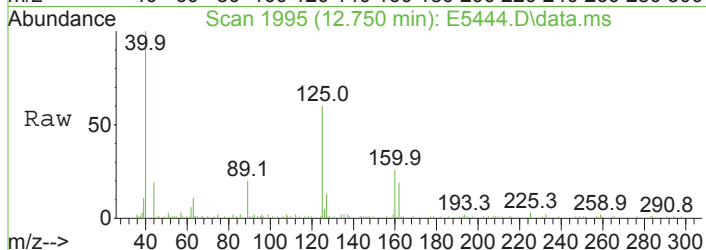
#16
 Acetone
 Concen: 0.83 ug/L
 RT: 2.203 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: E5444.D
 Acq: 14 Sep 2023 01:05 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1580 | | |
| 58 | 19.4 | 7.7 | 47.7 |
| 42 | 5.8 | 0.0 | 27.6 |



#112
 Trielution Dichlorotoluene
 Concen: 0.21 ug/L
 RT: 12.750 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: E5444.D
 Acq: 14 Sep 2023 01:05 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 1449 | | |
| 160 | 43.0 | 23.4 | 63.4 |
| 89 | 33.1 | 15.9 | 55.9 |



Data Path : I:\ACQUADATA\MSVOA17\Data\091323\
 Data File : E5444.D
 Acq On : 14 Sep 2023 01:05 am
 Operator : K.Ruest
 Sample : MBLK-FP
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: CPD4.P
 Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 250 Area counts
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0.1 Peak Location: TOP

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

Method : I:\ACQUADATA\MSVOA17\Methods\W080423.m
 Title : MS#17 - 8260 WATERS 5mL Purge

Signal : TIC: E5444.D\data.ms

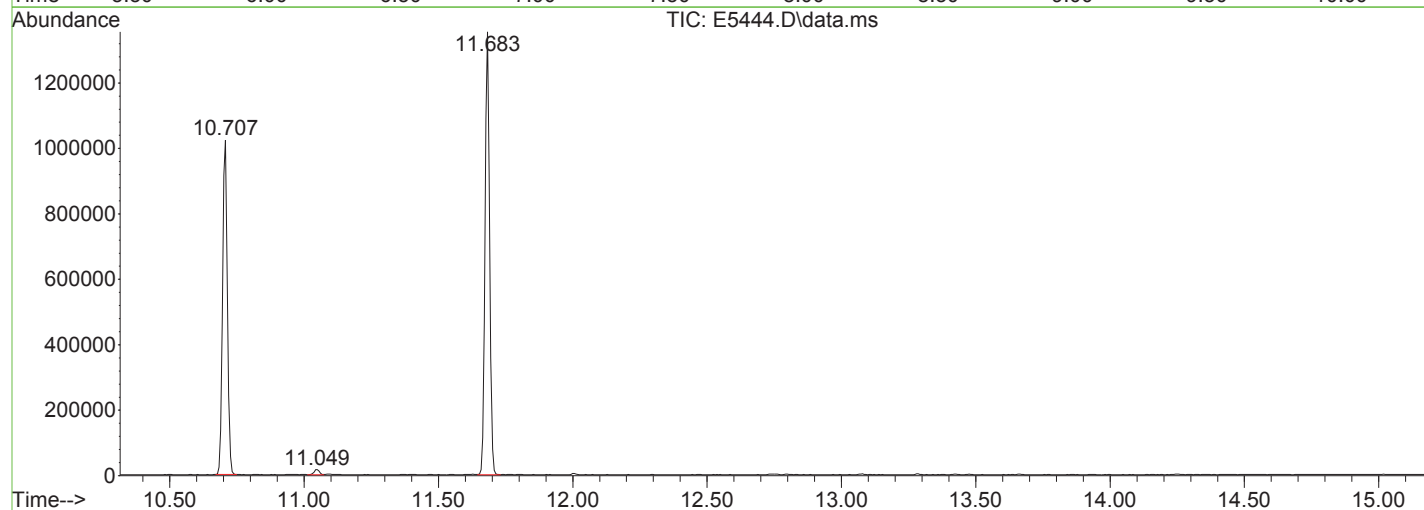
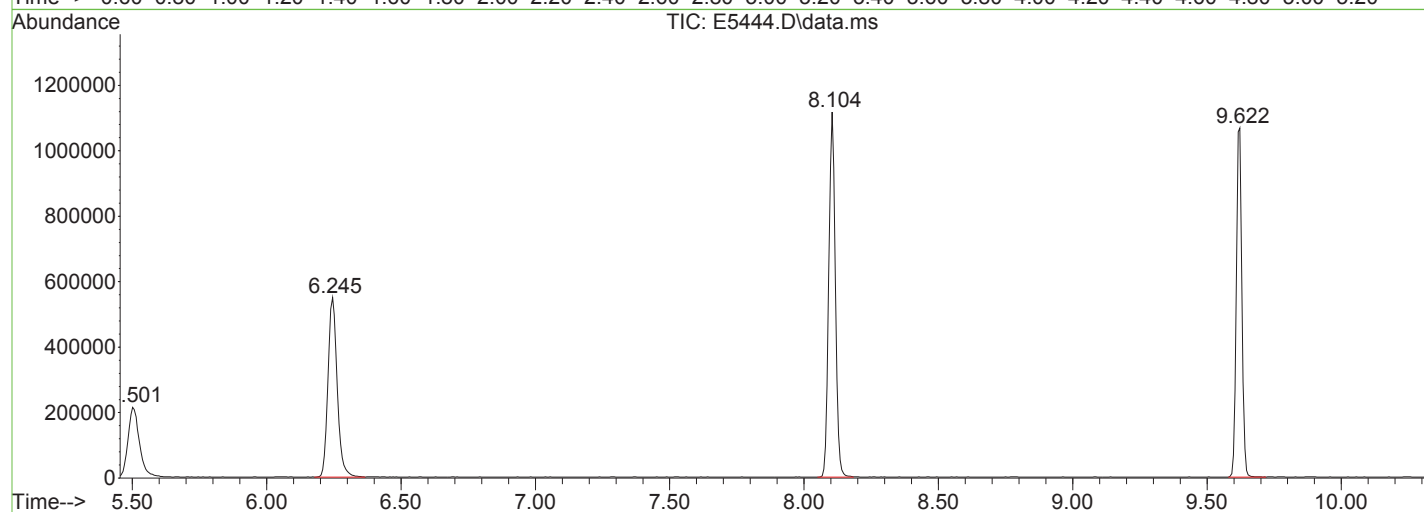
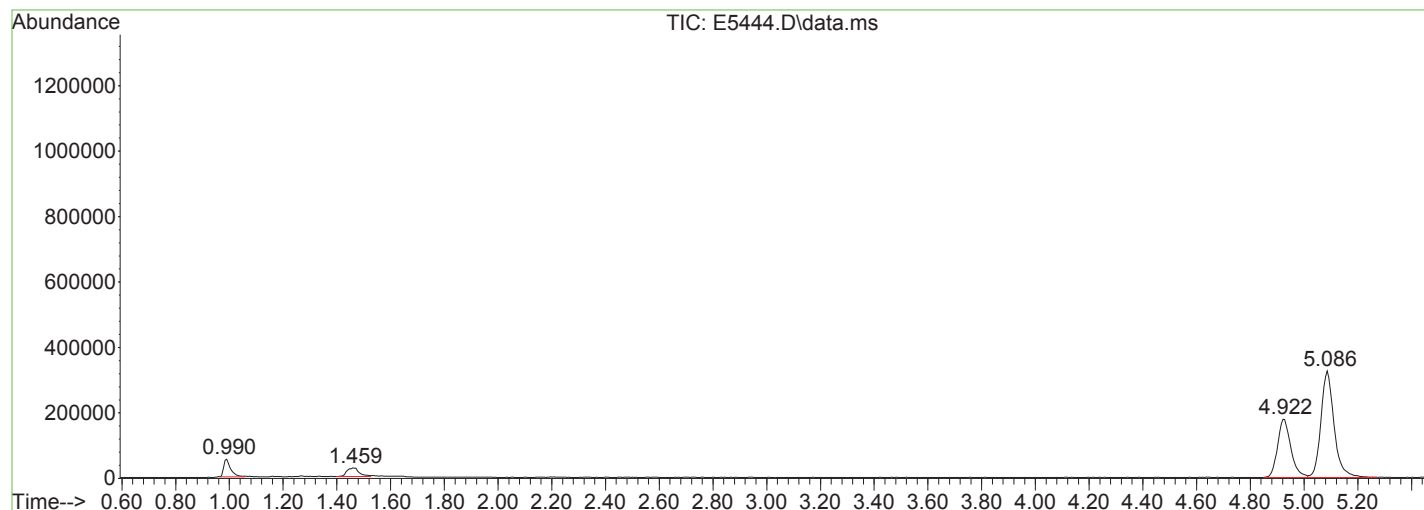
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1 | 0.990 | 62 | 66 | 77 | rBV | 54294 | 97109 | 5.14% | 0.954% |
| 2 | 1.459 | 133 | 143 | 154 | rBV5 | 26310 | 83220 | 4.41% | 0.817% |
| 3 | 4.922 | 699 | 711 | 726 | rBV2 | 177415 | 610300 | 32.32% | 5.995% |
| 4 | 5.086 | 726 | 738 | 769 | rVB | 325617 | 1107057 | 58.63% | 10.875% |
| 5 | 5.501 | 794 | 806 | 828 | rBV | 213245 | 628154 | 33.26% | 6.171% |
| 6 | 6.245 | 917 | 928 | 948 | rBV | 547839 | 1296426 | 68.65% | 12.735% |
| 7 | 8.104 | 1224 | 1233 | 1246 | rBV | 1116074 | 1888367 | 100.00% | 18.550% |
| 8 | 9.622 | 1475 | 1482 | 1498 | rBV | 1066766 | 1550695 | 82.12% | 15.233% |
| 9 | 10.707 | 1654 | 1660 | 1667 | rBV | 1022097 | 1283542 | 67.97% | 12.609% |
| 10 | 11.049 | 1710 | 1716 | 1720 | rBV2 | 15839 | 21759 | 1.15% | 0.214% |
| 11 | 11.683 | 1814 | 1820 | 1828 | rVB | 1352744 | 1613263 | 85.43% | 15.848% |

Sum of corrected areas: 10179892

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5444.D
Acq On : 14 Sep 2023 01:05 am
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5444.D
Acq On : 14 Sep 2023 01:05 am
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5444.D
 Acq On : 14 Sep 2023 01:05 am
 Operator : K.Ruest
 Sample : MBLK-FP
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
 TIC Integration Parameters: LSCINT.P

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

Data Path : I:\ACQUADATA\MSVOA17\Data\091423\
 Data File : E5476.D
 Acq On : 14 Sep 2023 02:09 pm
 Operator : K.Ruest
 Sample : MBLK-FP
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

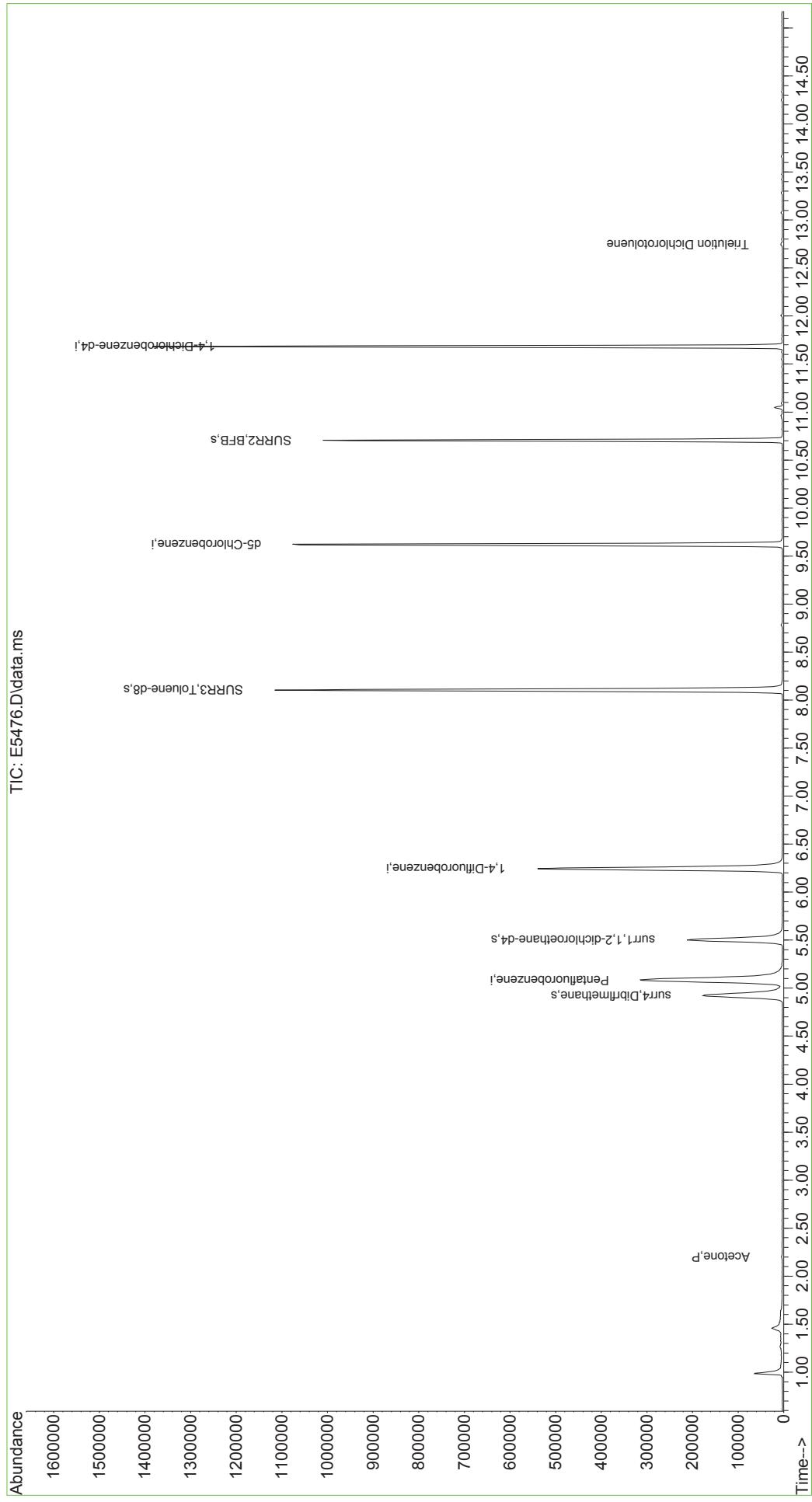
Quant Time: Sep 14 14:48:28 2023
 Quant Method : I:\ACQUADATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

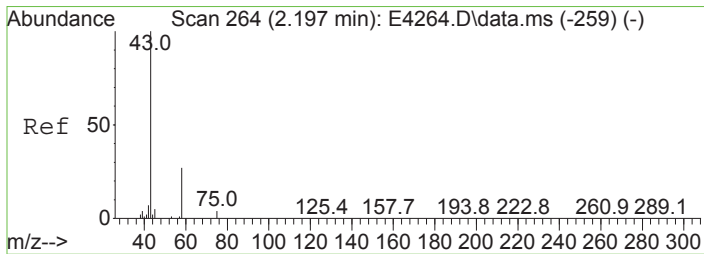
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 403634 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 576228 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 519100 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 264053 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 179308 | 47.06 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 94.12% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 217916 | 49.91 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 99.82% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 717646 | 51.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 103.54% | |
| 70) SURR2,BFB | 10.707 | 95 | 251544 | 47.63 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 95.26% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.203 | 43 | 1715 | 0.916 | ug/L | 93 |
| 112) Trielution Dichlorotol... | 12.744 | 125 | 1835 | 0.272 | ug/L | 90 |

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

Quantitation Report (QT Reviewed)

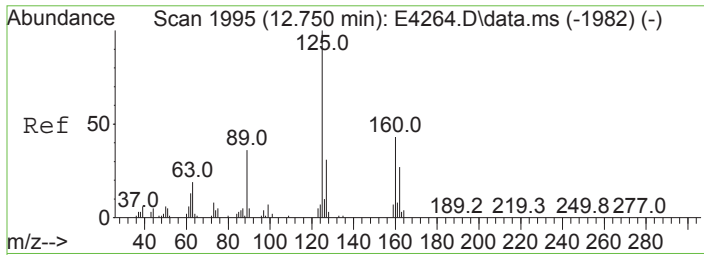
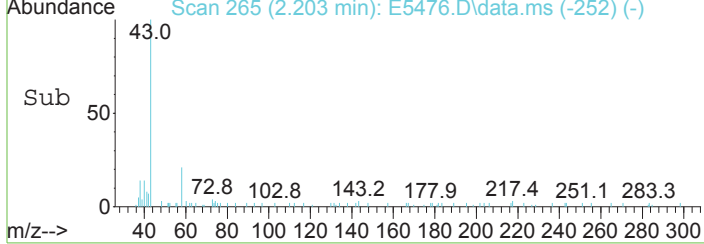
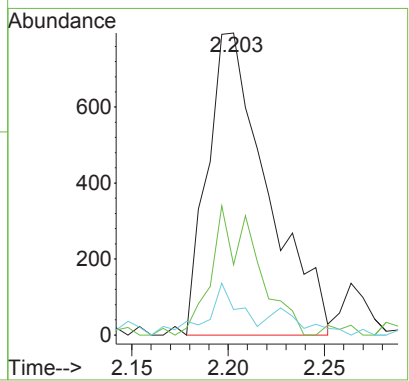
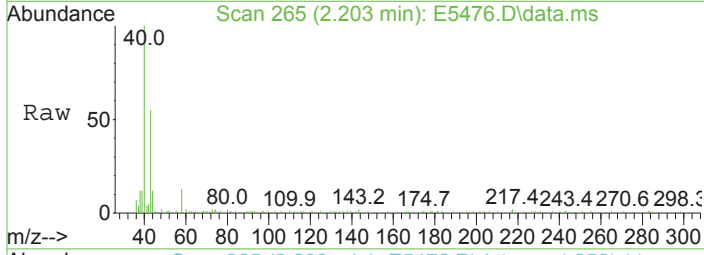
Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5476.D
Acq On : 14 Sep 2023 02:09 pm
Operator : K.Ruest
Sample : MBLK-Fp
Misc :
ALS Vial : 5 Sample Multiplier: 1
Quant Time: Sep 14 14:48:28 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





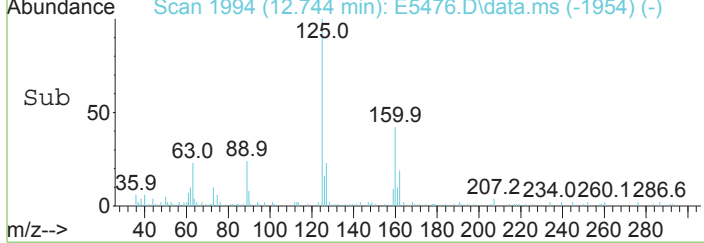
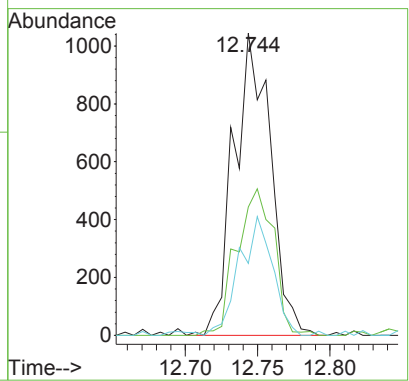
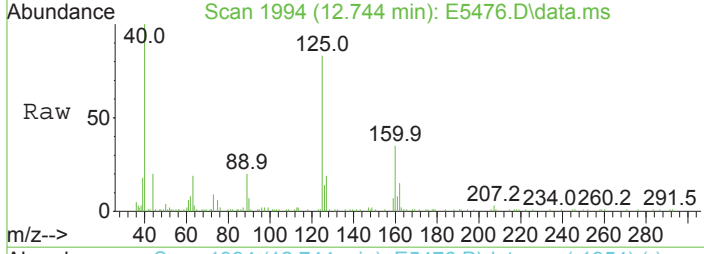
#16
 Acetone
 Concen: 0.92 ug/L
 RT: 2.203 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: E5476.D
 Acq: 14 Sep 2023 02:09 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 23.3 | 7.7 | 47.7 |
| 42 | 8.4 | 0.0 | 27.6 |



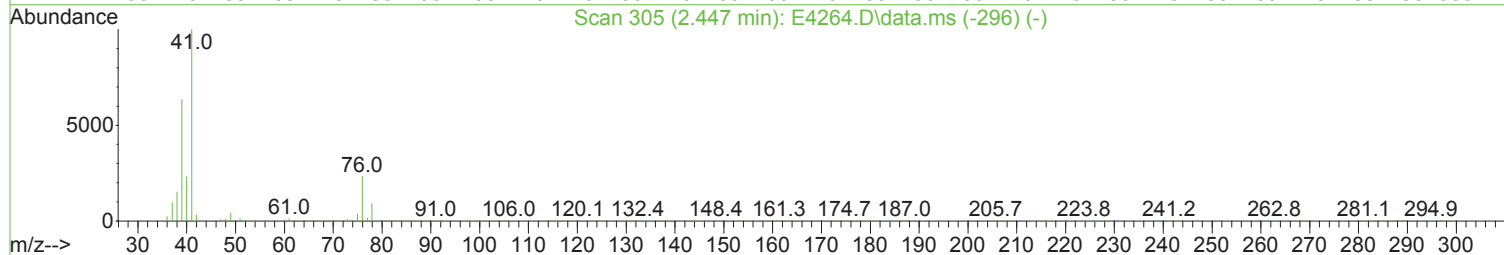
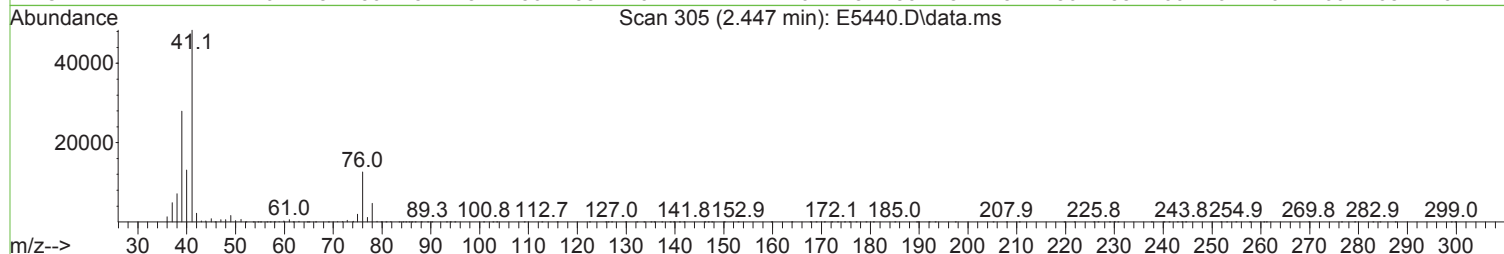
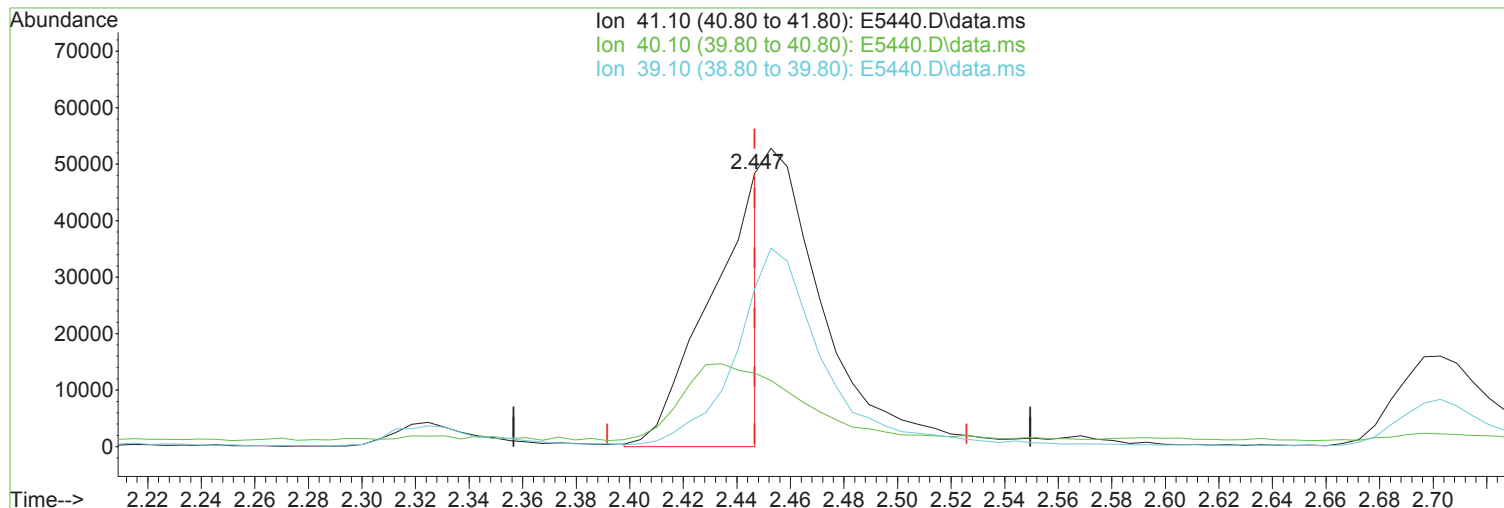
#112
 Trielution Dichlorotoluene
 Concen: 0.27 ug/L
 RT: 12.744 min Scan# 1994
 Delta R.T. -0.006 min
 Lab File: E5476.D
 Acq: 14 Sep 2023 02:09 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 100 | | |
| 160 | 42.4 | 23.4 | 63.4 |
| 89 | 23.9 | 15.9 | 55.9 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5440.D
Acq On : 13 Sep 2023 11:33 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 09:26:32 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5440.D\data.ms

(20) Acetonitrile

2.447min (-0.000) 95.98 ug/L m

response 64087

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 26.99 |
| 39.10 | 63.60 | 57.75 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

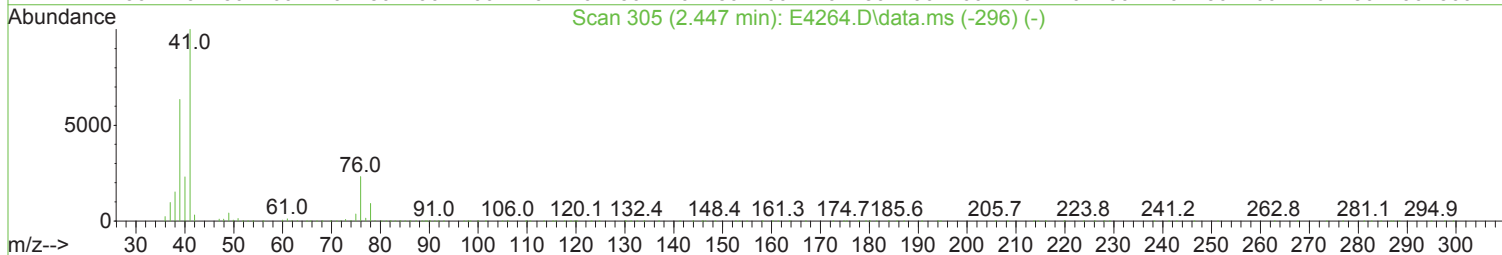
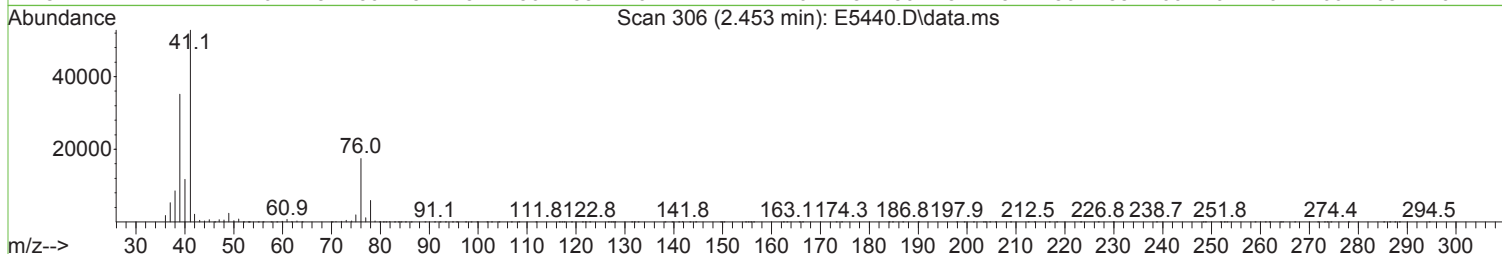
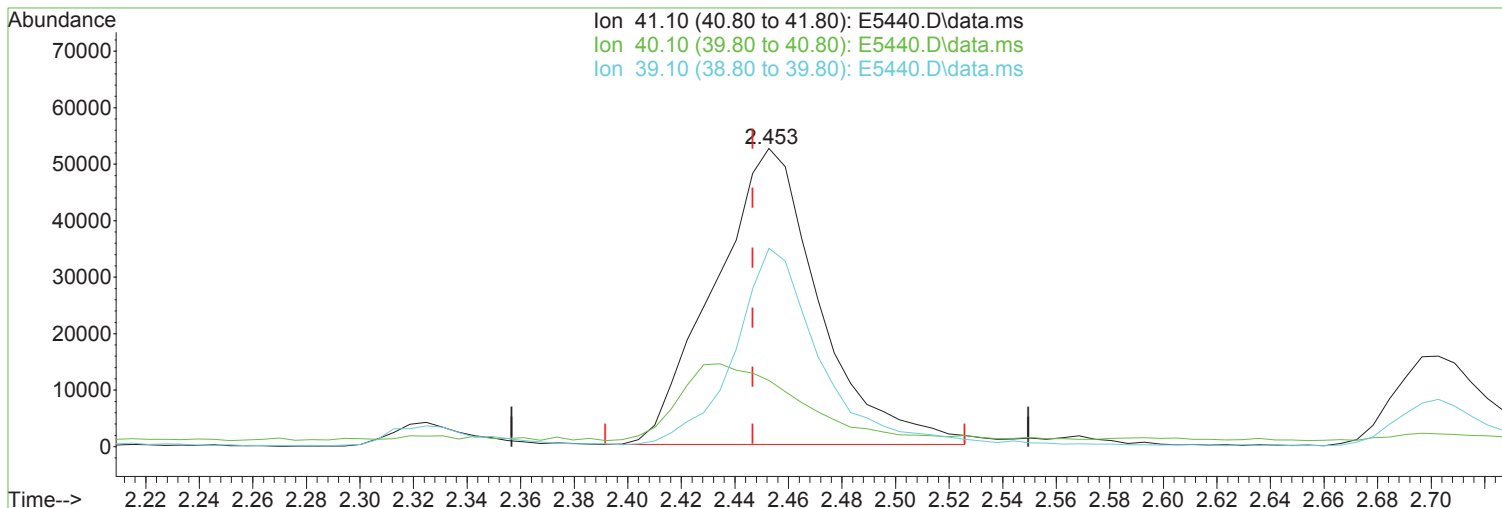
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5440.D
 Acq On : 13 Sep 2023 11:33 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

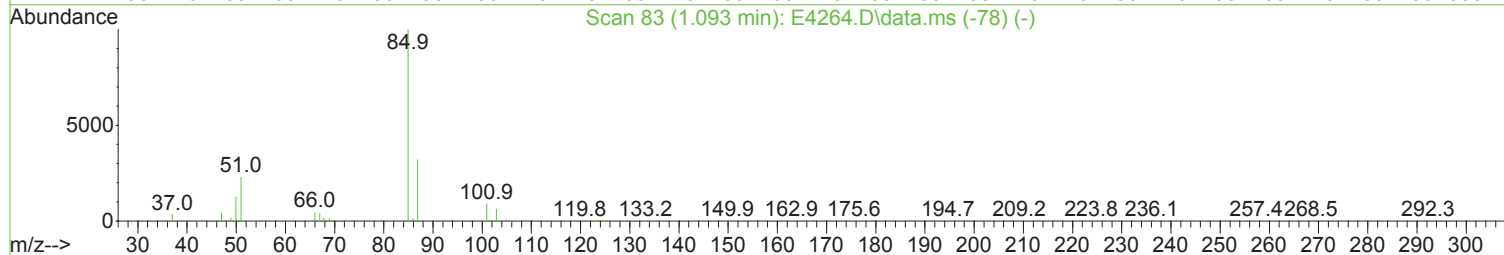
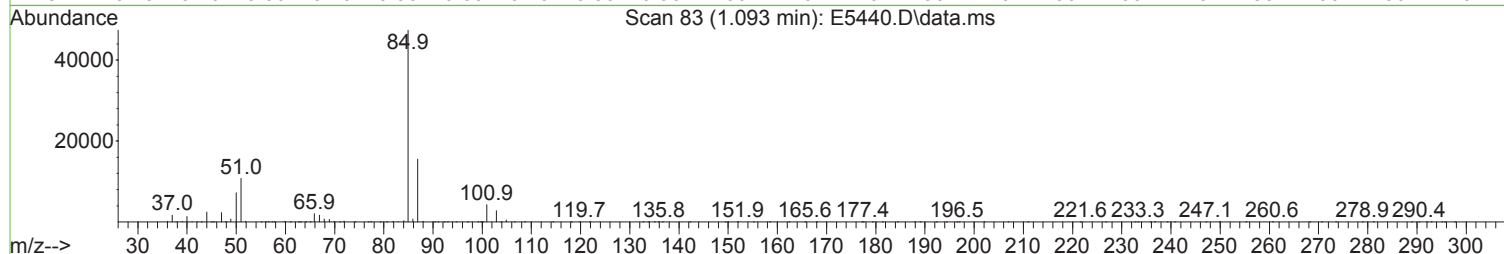
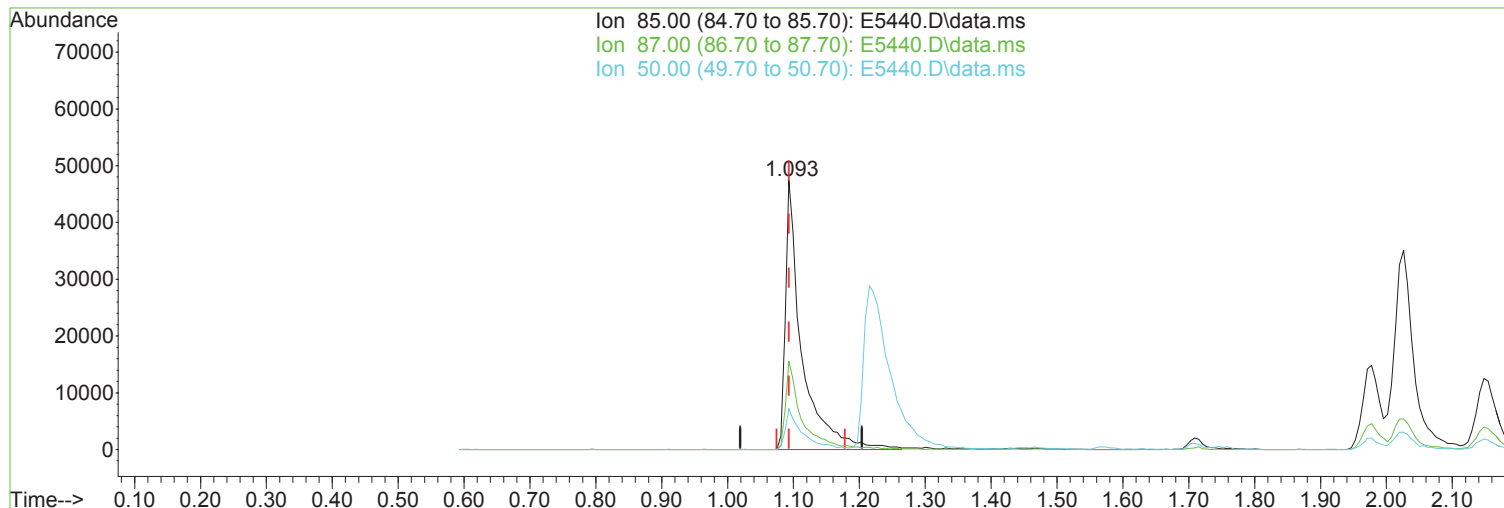
Quant Time: Sep 14 09:26:32 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



| (20) Acetonitrile | | | Manual Integration: |
|--------------------|-------------|--------|---------------------|
| 2.453min (+ 0.006) | 213.63 ug/L | | Before |
| response | 142643 | | |
| Ion | Exp% | Act% | 09/14/23 |
| 41.10 | 100.00 | 100.00 | |
| 40.10 | 23.00 | 22.24 | |
| 39.10 | 63.60 | 66.58 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5440.D
 Acq On : 13 Sep 2023 11:33 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 09:26:32 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 16.93 ug/L m

response 81802

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.78 |
| 50.00 | 12.60 | 15.26 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

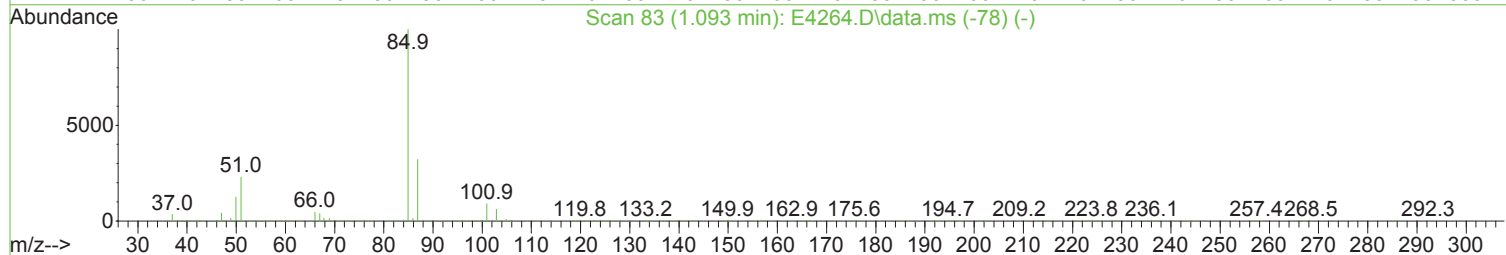
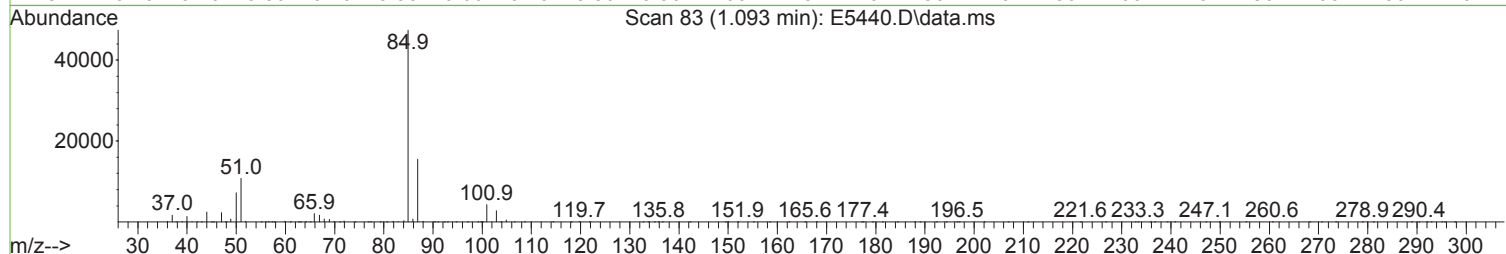
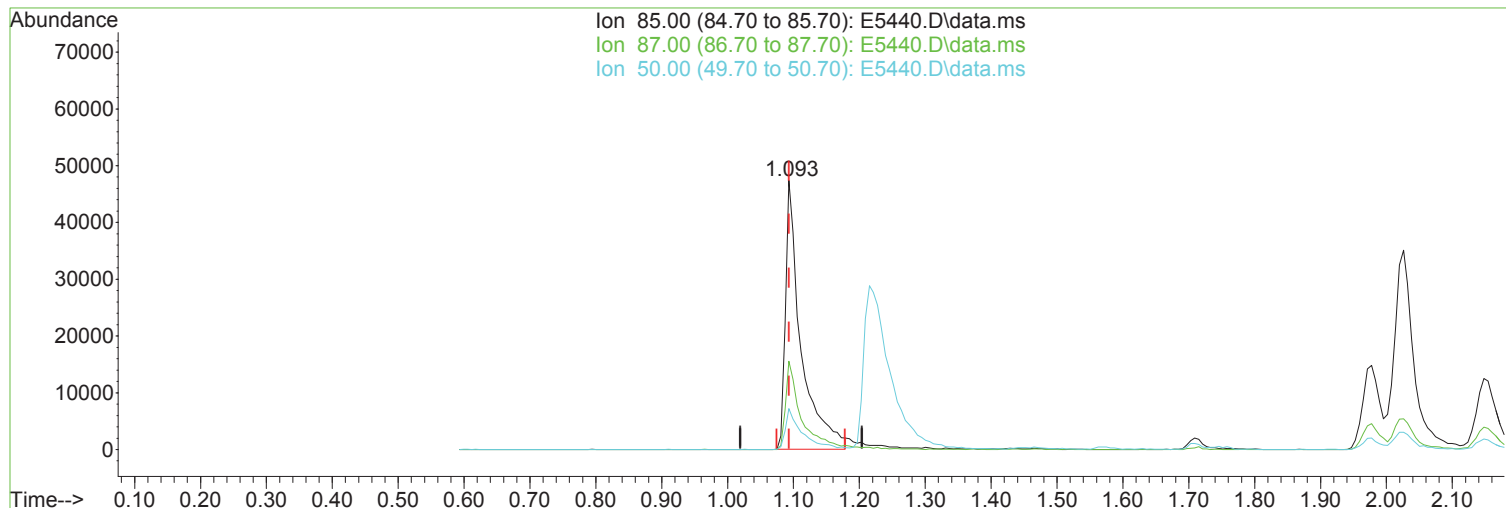
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5440.D
Acq On : 13 Sep 2023 11:33 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 09:26:32 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 15.93 ug/L

Before

response 76980

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.78 |
| 50.00 | 12.60 | 15.26 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5440.D
 Acq On : 13 Sep 2023 11:33 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 09:26:32 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 420791 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 594910 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.616 | 117 | 547577 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 294153 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 193230 | 49.12 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 98.24% |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 222344 | 49.32 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 98.64% |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 730379 | 51.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 102.08% |
| 70) SURR2,BFB | 10.701 | 95 | 256589 | 47.06 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 94.12% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.105 | 51 | 57924 | 14.979 | ug/L | 94 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 81802m | 16.933 | ug/L | |
| 4) Chloromethane | 1.215 | 50 | 78244 | 21.140 | ug/L | 94 |
| 5) Vinyl Chloride | 1.282 | 62 | 76566 | 16.506 | ug/L | 97 |
| 6) Bromomethane | 1.496 | 94 | 59307 | 18.561 | ug/L | 99 |
| 7) Chloroethane | 1.569 | 64 | 47358 | 15.429 | ug/L | 95 |
| 8) Freon 21 | 1.709 | 67 | 98141 | 15.825 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 110084 | 18.837 | ug/L | 98 |
| 10) Diethyl Ether | 1.971 | 59 | 58786 | 20.437 | ug/L | 95 |
| 11) Freon 123a | 1.977 | 67 | 64981 | 17.618 | ug/L | 96 |
| 12) Freon 123 | 2.026 | 83 | 101917 | 22.193 | ug/L | 99 |
| 13) Acrolein | 2.069 | 56 | 28939 | 46.026 | ug/L | 93 |
| 14) 1,1-Dicethene | 2.148 | 96 | 58162 | 18.225 | ug/L | 92 |
| 15) Freon 113 | 2.148 | 101 | 65326 | 18.675 | ug/L | 96 |
| 16) Acetone | 2.197 | 43 | 30672 | 15.711 | ug/L | 99 |
| 17) 2-Propanol | 2.325 | 45 | 111971 | 349.326 | ug/L | 95 |
| 18) Iodomethane | 2.264 | 142 | 108297 | 22.019 | ug/L | 94 |
| 19) Carbon Disulfide | 2.325 | 76 | 158643 | 16.737 | ug/L | 99 |
| 20) Acetonitrile | 2.447 | 41 | 64087m | 95.980 | ug/L | |
| 21) Allyl Chloride | 2.459 | 76 | 36222 | 20.032 | ug/L | # 89 |
| 22) Methyl Acetate | 2.483 | 43 | 60361 | 13.661 | ug/L | 94 |
| 23) Methylene Chloride | 2.569 | 84 | 69188 | 19.440 | ug/L | 94 |
| 24) TBA | 2.703 | 59 | 195417 | 347.768 | ug/L | 96 |
| 25) Acrylonitrile | 2.812 | 53 | 163112 | 98.845 | ug/L | 93 |
| 26) Methyl-t-Butyl Ether | 2.855 | 73 | 214004 | 18.883 | ug/L | 99 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 66694 | 18.429 | ug/L | 98 |
| 28) 1,1-Dicethane | 3.306 | 63 | 115417 | 20.085 | ug/L | 97 |
| 29) Vinyl Acetate | 3.398 | 86 | 15314 | 28.034 | ug/L | # 59 |
| 30) DIPE | 3.428 | 45 | 208548 | 20.074 | ug/L | 97 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 100182 | 18.290 | ug/L | 99 |
| 32) ETBE | 3.916 | 59 | 188943 | 17.521 | ug/L | 100 |
| 33) 2,2-Dichloropropane | 4.093 | 77 | 88369 | 15.684 | ug/L | 98 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 75120 | 18.935 | ug/L | 99 |
| 35) 2-Butanone | 4.160 | 43 | 39970 | 17.328 | ug/L | 97 |
| 36) Propionitrile | 4.239 | 54 | 67927 | 98.614 | ug/L | 98 |
| 37) Bromochloromethane | 4.465 | 130 | 51659 | 19.871 | ug/L | 97 |
| 38) Methacrylonitrile | 4.489 | 67 | 35628 | 19.482 | ug/L | 93 |
| 39) Tetrahydrofuran | 4.574 | 42 | 25884 | 18.528 | ug/L | 94 |
| 40) Chloroform | 4.641 | 83 | 122778 | 18.851 | ug/L | 96 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5440.D
 Acq On : 13 Sep 2023 11:33 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 09:26:32 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 105726 | 17.856 | ug/L | 97 |
| 42) TAME | 5.842 | 73 | 200474 | 19.044 | ug/L | 98 |
| 44) Cyclohexane | 5.007 | 41 | 55915 | 17.530 | ug/L | 97 |
| 46) Carbontetrachloride | 5.221 | 117 | 89372 | 18.087 | ug/L | 98 |
| 47) 1,1-Dichloropropene | 5.233 | 75 | 88161 | 19.501 | ug/L | 98 |
| 49) Benzene | 5.580 | 78 | 269059 | 20.826 | ug/L | 97 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 97871 | 19.367 | ug/L | 97 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 79435 | 371.466 | ug/L | 96 |
| 52) n-Heptane | 6.098 | 43 | 82035 | 17.690 | ug/L | 96 |
| 53) 1-Butanol | 6.653 | 56 | 131928 | 978.472 | ug/L | 98 |
| 54) Trichloroethene | 6.574 | 130 | 77301 | 19.298 | ug/L | 99 |
| 55) Methylcyclohexane | 6.812 | 55 | 77686 | 17.457 | ug/L | 99 |
| 56) 1,2-Diclpropane | 6.867 | 63 | 67027 | 19.996 | ug/L | 96 |
| 57) Dibromomethane | 7.013 | 93 | 47367 | 19.242 | ug/L | 95 |
| 58) 1,4-Dioxane | 7.098 | 88 | 24286 | 390.010 | ug/L | 98 |
| 59) Methyl Methacrylate | 7.117 | 69 | 58867 | 19.336 | ug/L | 99 |
| 60) Bromodichloromethane | 7.251 | 83 | 85034 | 16.447 | ug/L | 98 |
| 61) 2-Nitropropane | 7.555 | 41 | 34337 | 26.142 | ug/L | 89 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 108417 | 18.790 | ug/L | 97 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 86837 | 20.298 | ug/L | 98 |
| 66) Toluene | 8.177 | 91 | 294849 | 20.043 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 97973 | 18.355 | ug/L | 99 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 102107 | 19.171 | ug/L | 100 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 67002 | 19.030 | ug/L | 97 |
| 72) Tetrachloroethene | 8.775 | 164 | 66368 | 19.968 | ug/L | 97 |
| 73) 2-Hexanone | 8.964 | 43 | 60623 | 18.539 | ug/L | 98 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 116883 | 19.875 | ug/L | 96 |
| 75) Dibromochloromethane | 9.049 | 129 | 71570 | 16.437 | ug/L | 98 |
| 76) N-Butyl Acetate | 9.116 | 43 | 114780 | 17.636 | ug/L | 99 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 72361 | 18.547 | ug/L | 99 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 113308 | 18.766 | ug/L | 96 |
| 79) Chlorobenzene | 9.647 | 112 | 201718 | 19.745 | ug/L | 99 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 101235 | 18.630 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 70518 | 17.298 | ug/L | 97 |
| 82) Ethylbenzene | 9.768 | 106 | 102559 | 19.278 | ug/L | 96 |
| 83) (m+p)Xylene | 9.884 | 106 | 257692 | 38.775 | ug/L | 99 |
| 84) o-Xylene | 10.244 | 106 | 126754 | 19.418 | ug/L | 94 |
| 85) Styrene | 10.256 | 104 | 213741 | 19.318 | ug/L | 98 |
| 86) Bromoform | 10.409 | 173 | 49894 | 15.077 | ug/L | 95 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 110639 | 18.753 | ug/L | 96 |
| 88) Isopropylbenzene | 10.579 | 105 | 317239 | 19.739 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 61279 | 75.452 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 10.896 | 53 | 22907 | 14.475 | ug/L | 80 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 97182 | 18.615 | ug/L | 98 |
| 93) Bromobenzene | 10.823 | 156 | 91011 | 18.397 | ug/L | 97 |
| 94) 1,2,3-Trichloropropane | 10.878 | 110 | 32606 | 18.051 | ug/L | 97 |
| 95) n-Propylbenzene | 10.939 | 91 | 378649 | 19.402 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 223215 | 18.882 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 218842 | 18.080 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 262176 | 18.201 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 269394 | 17.898 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.366 | 119 | 243848 | 19.055 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.402 | 105 | 269219 | 18.570 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 90196 | 18.506 | ug/L | 98 |
| 103) sec-Butylbenzene | 11.549 | 105 | 346894 | 18.957 | ug/L | 99 |
| 104) p-Isopropyltoluene | 11.671 | 119 | 307156 | 19.116 | ug/L | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5440.D
 Acq On : 13 Sep 2023 11:33 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

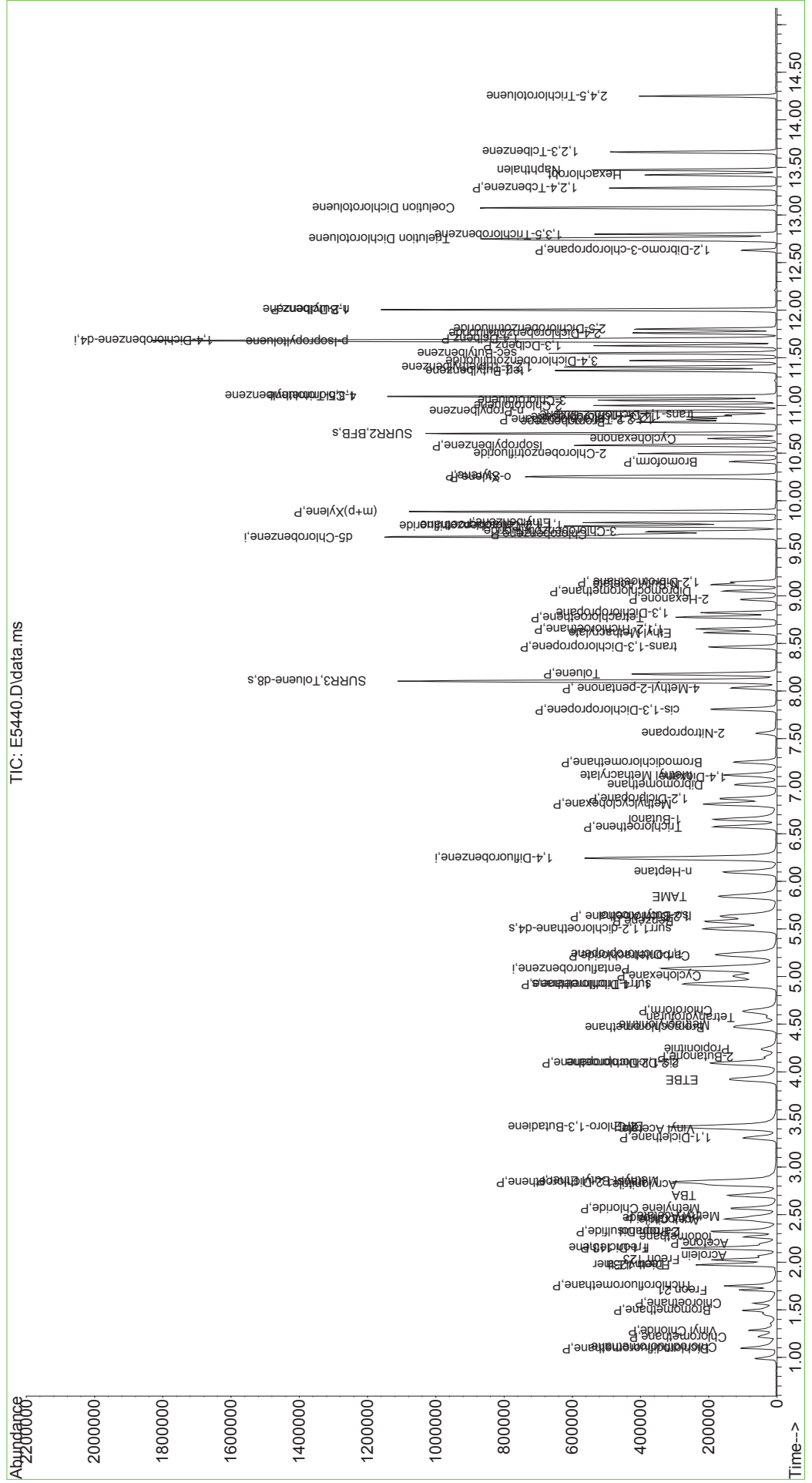
Quant Time: Sep 14 09:26:32 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 105) 1,3-Dclbenz | 11.628 | 146 | 169471 | 18.894 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 172062 | 18.743 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 82129 | 18.819 | ug/L | 97 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 92592 | 19.151 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 267459 | 19.372 | ug/L | 100 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 166540 | 18.958 | ug/L | 98 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 21787 | 15.114 | ug/L | 96 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 408525 | 54.448 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 126948 | 19.256 | ug/L | 99 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 293937 | 37.064 | ug/L | 93 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 125190 | 18.831 | ug/L | 95 |
| 116) Hexachlorobt | 13.426 | 225 | 60876 | 20.330 | ug/L | 98 |
| 117) Naphthalen | 13.475 | 128 | 322918 | 19.586 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 122896 | 19.080 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 79149 | 18.860 | ug/L | 97 |

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

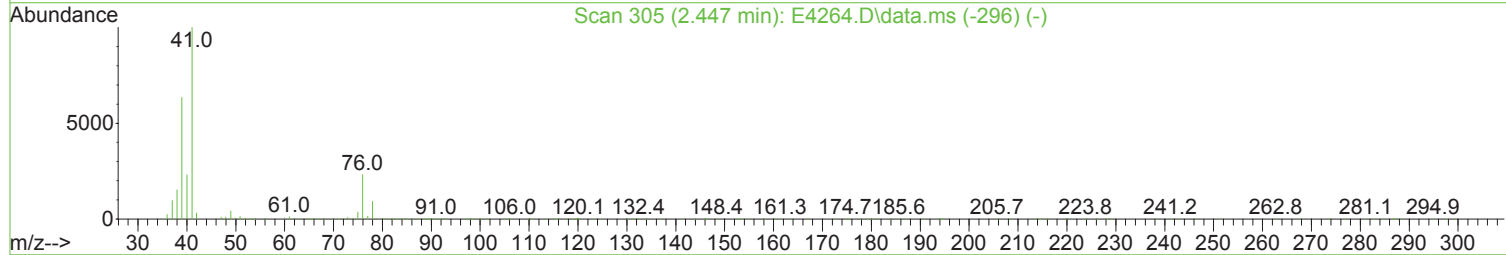
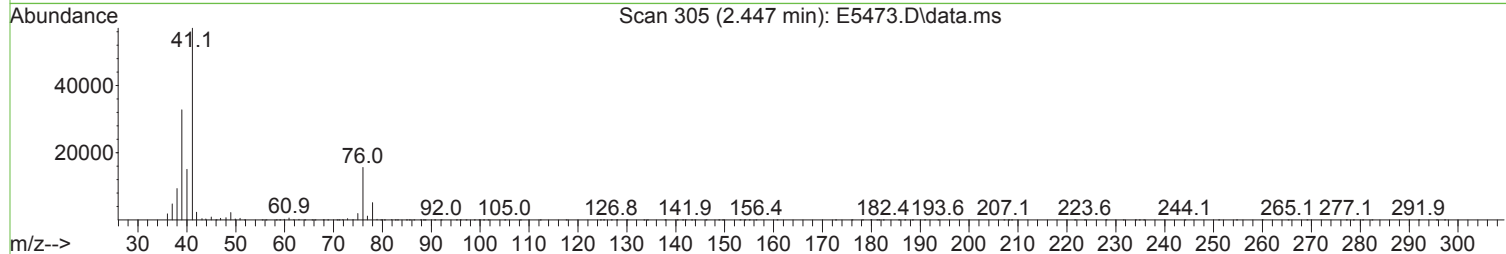
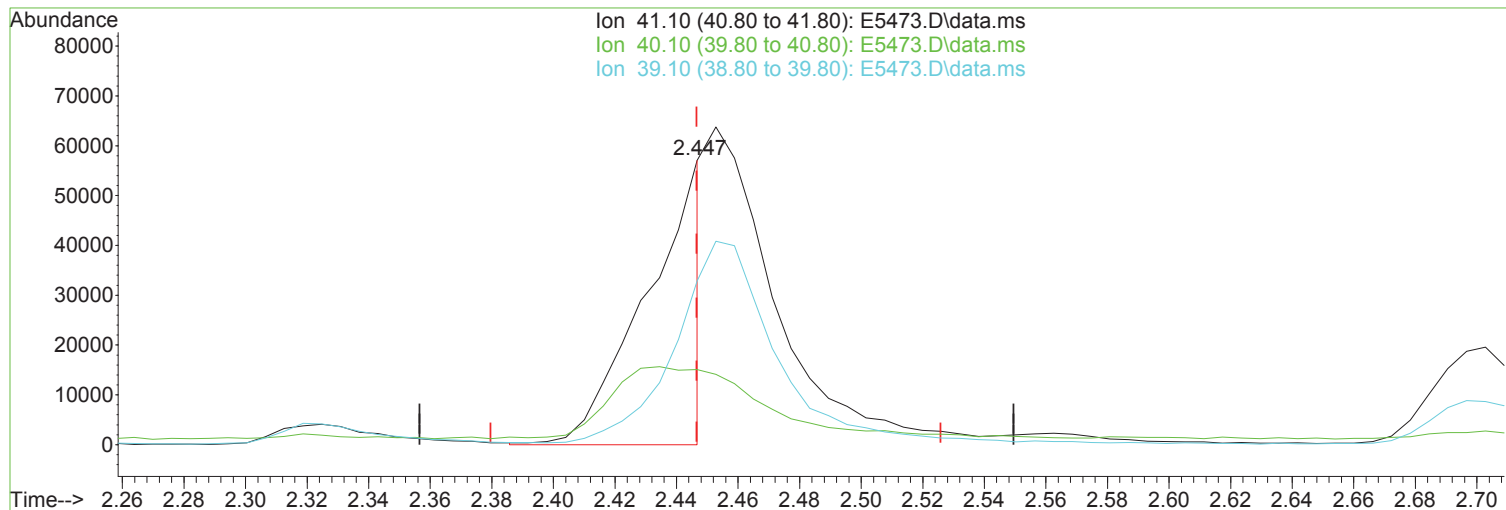
Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5440.D
 Acq On : 13 Sep 2023 11:33 pm
 Operator : K.Ruest
 Sample : LCS-Fp
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 09:26:32 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5473.D
Acq On : 14 Sep 2023 01:00 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.447min (+ 0.000) 111.17 ug/L m

After

response 74185

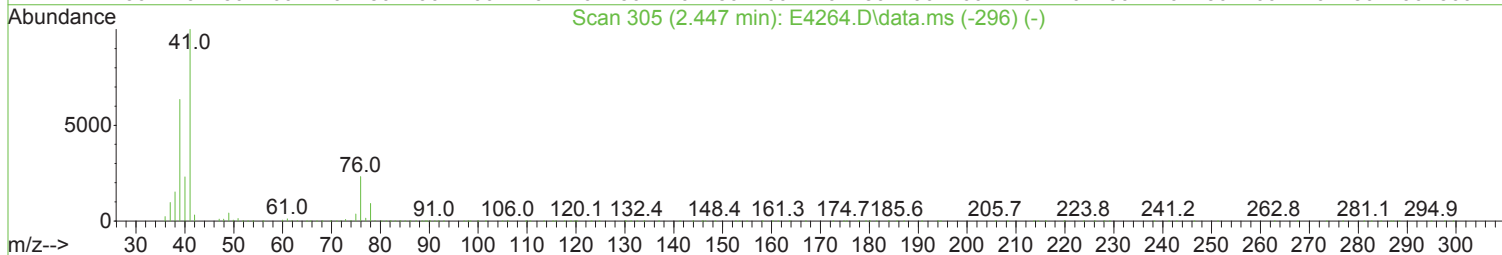
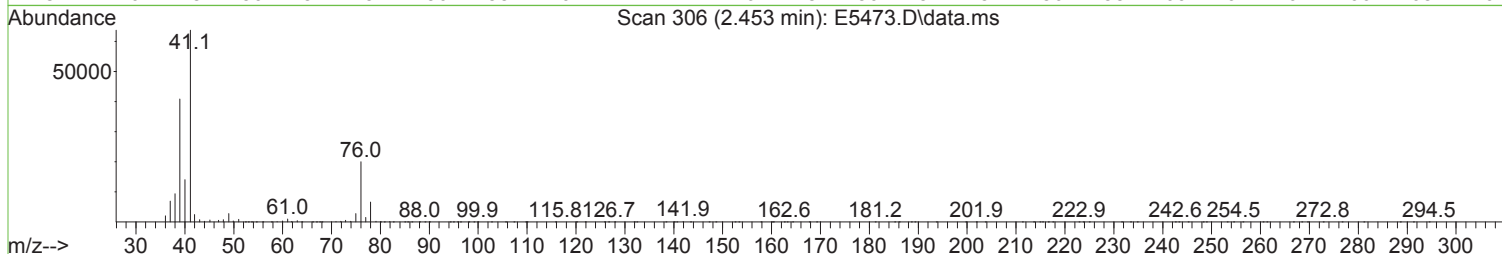
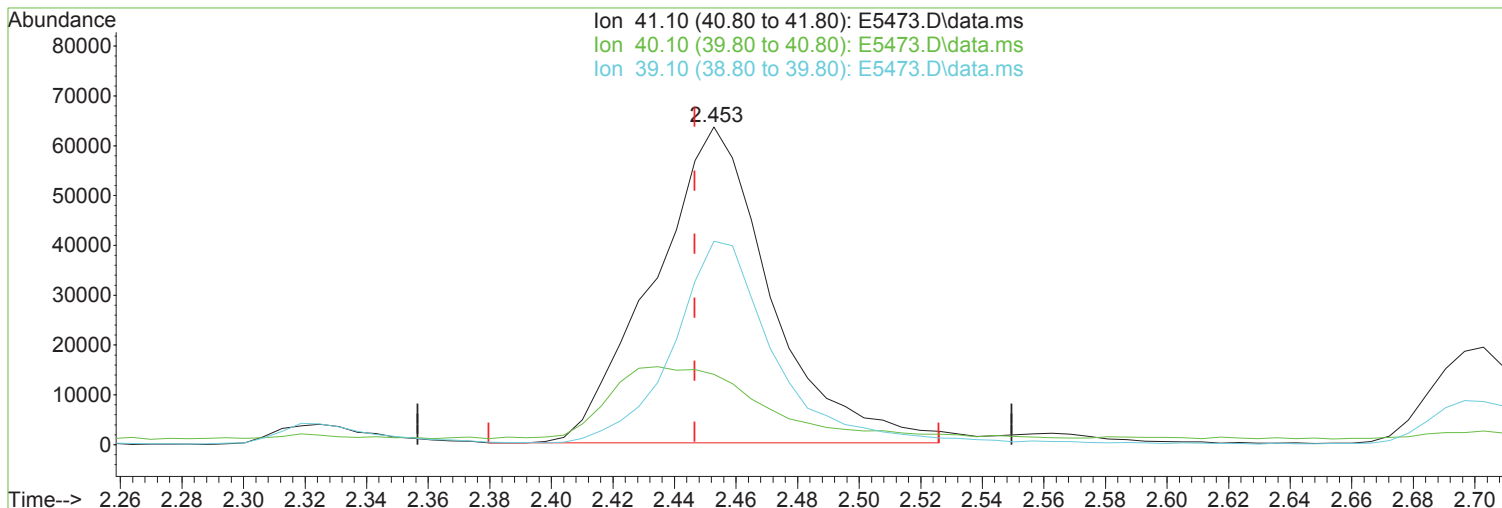
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 26.43 |
| 39.10 | 63.60 | 57.52 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5473.D
Acq On : 14 Sep 2023 01:00 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 251.84 ug/L

Before

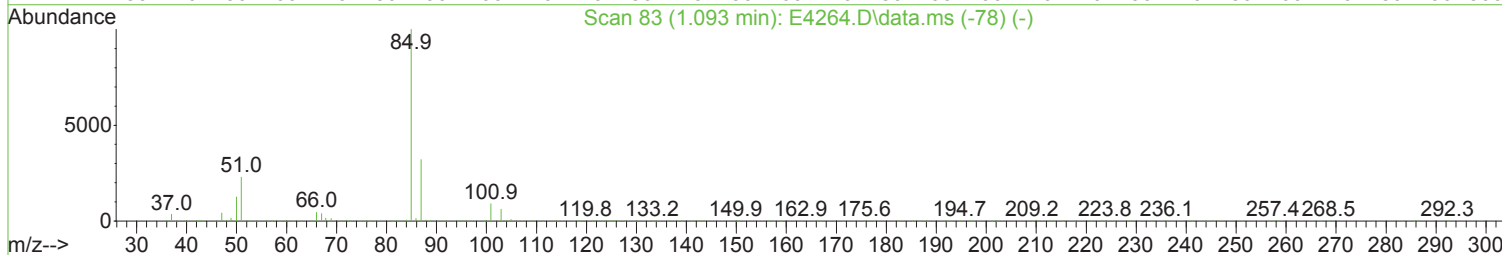
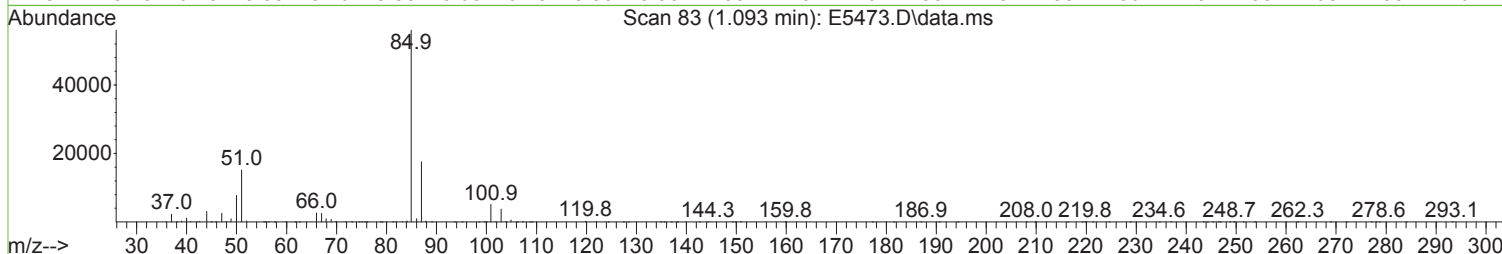
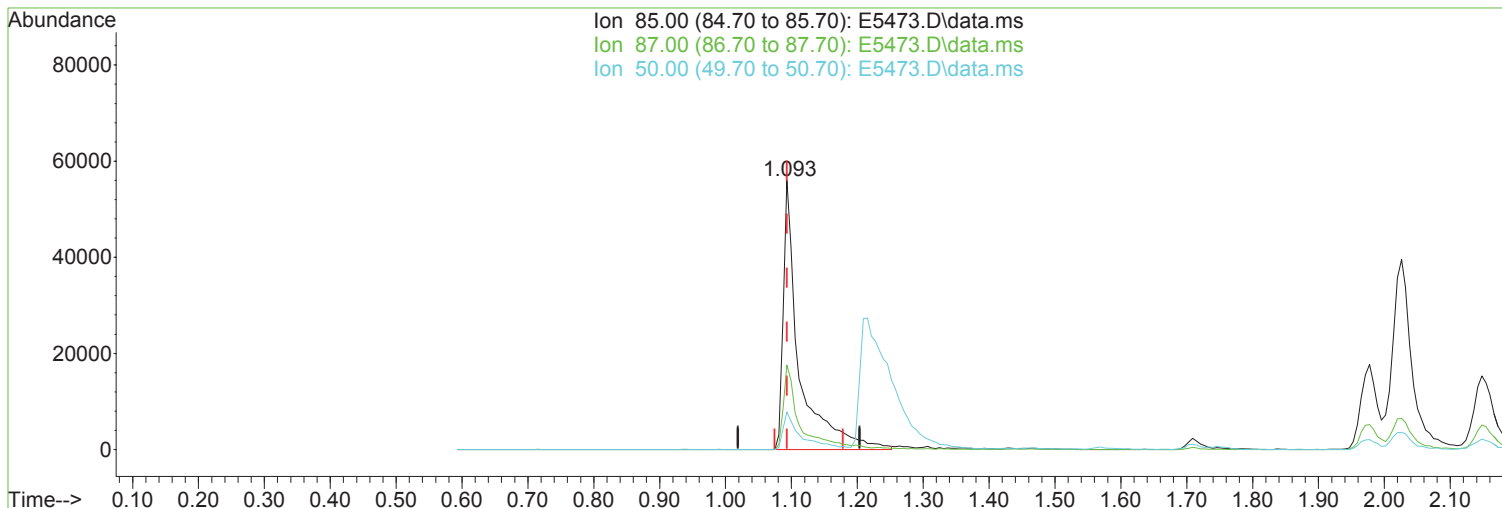
response 168051

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 22.10 |
| 39.10 | 63.60 | 64.04 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5473.D
Acq On : 14 Sep 2023 01:00 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 19.54 ug/L m

response 94340

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.35 |
| 50.00 | 12.60 | 13.92 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

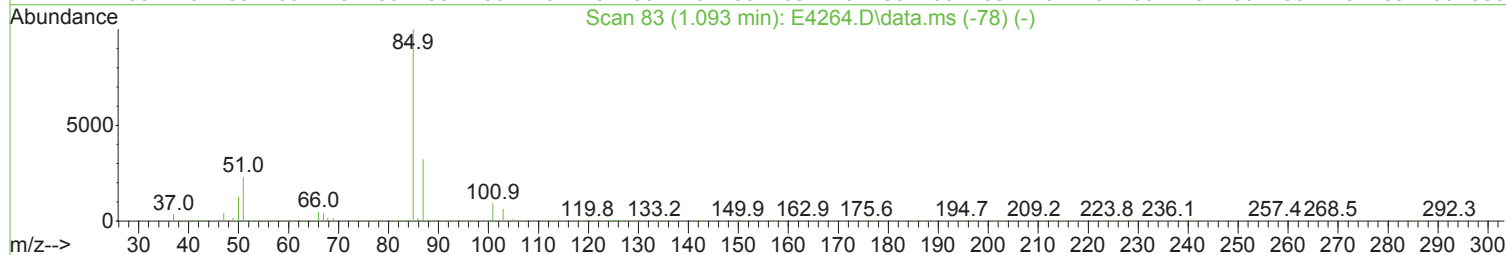
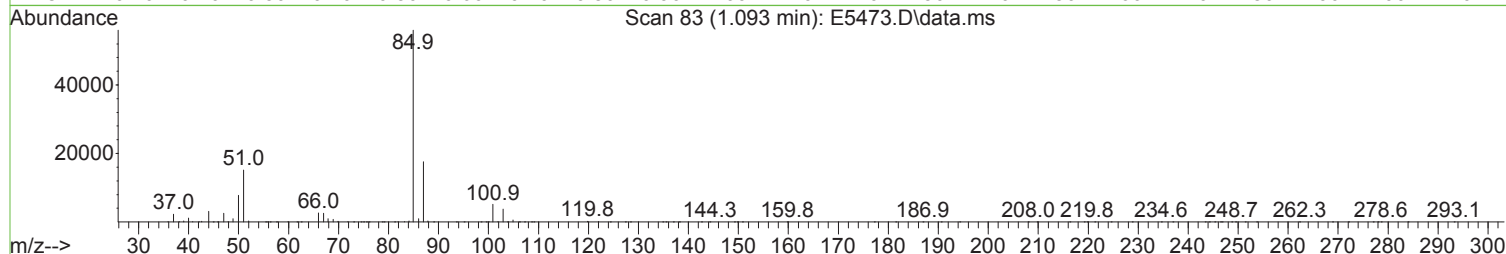
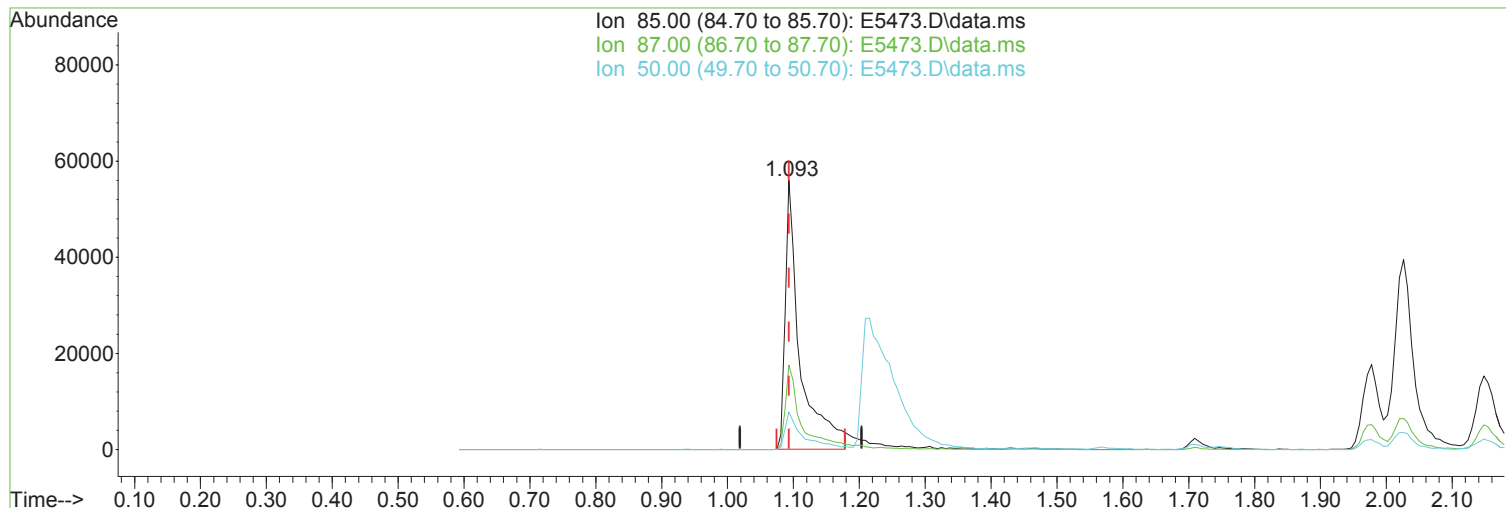
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5473.D
Acq On : 14 Sep 2023 01:00 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 18.02 ug/L

Before

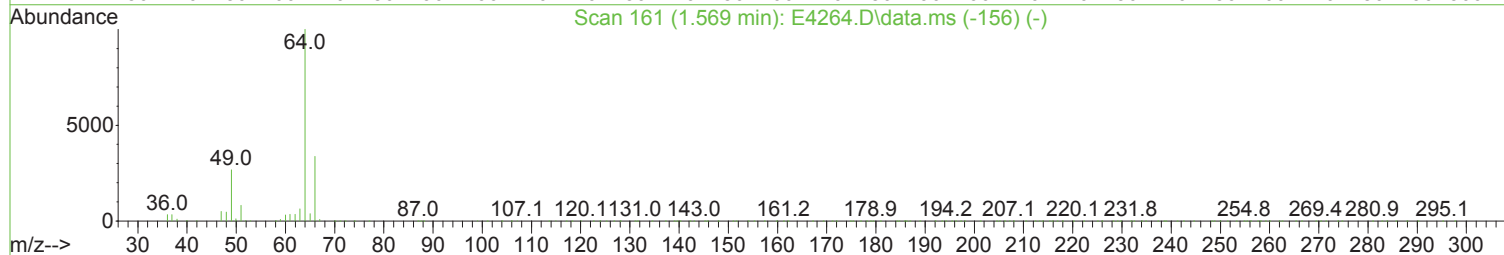
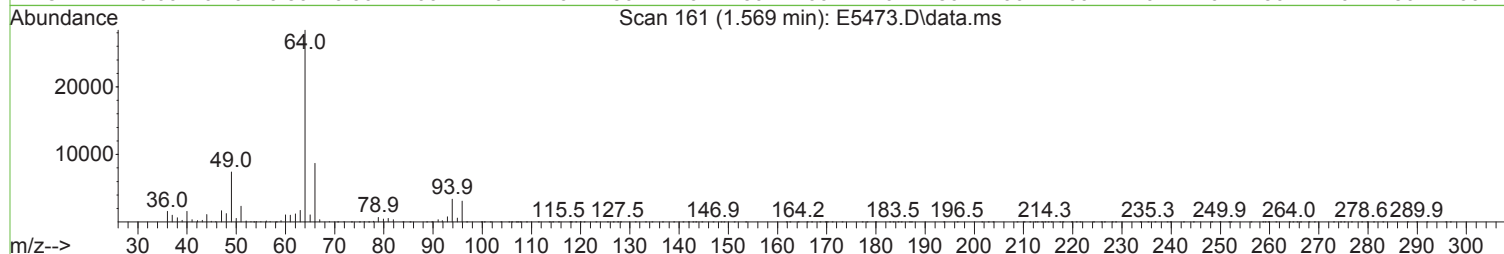
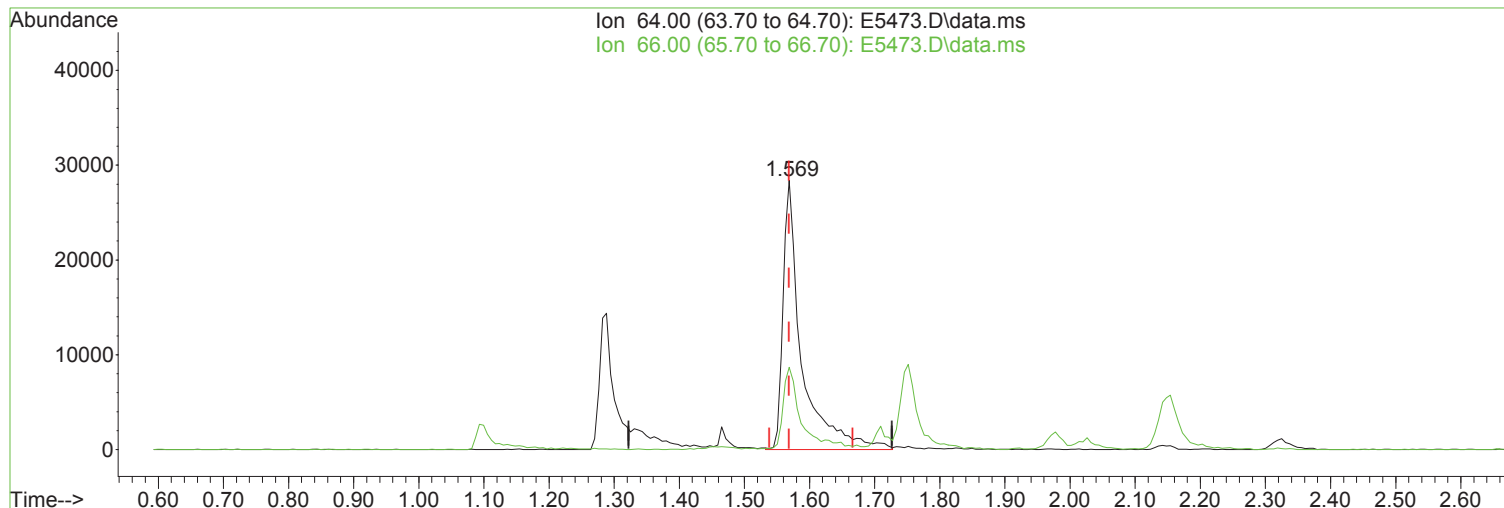
response 86995

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.35 |
| 50.00 | 12.60 | 13.92 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5473.D
Acq On : 14 Sep 2023 01:00 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(7) Chloroethane (P)

Manual Integration:

1.569min (+ 0.000) 18.39 ug/L m

After

response 56417

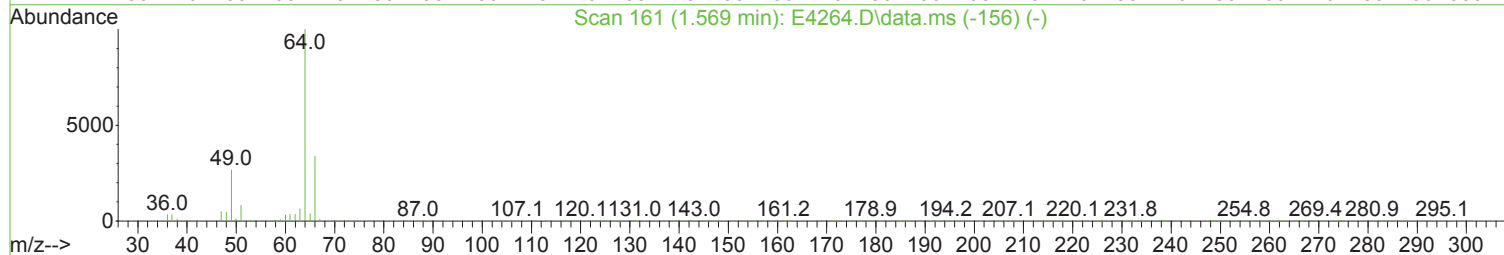
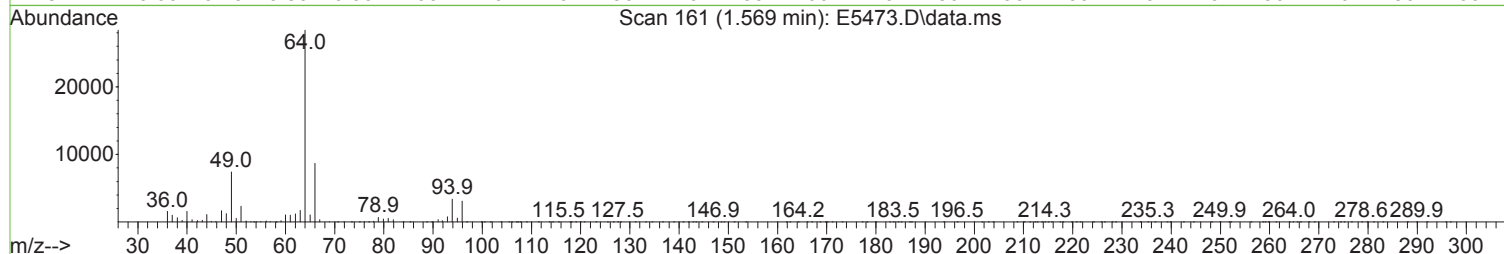
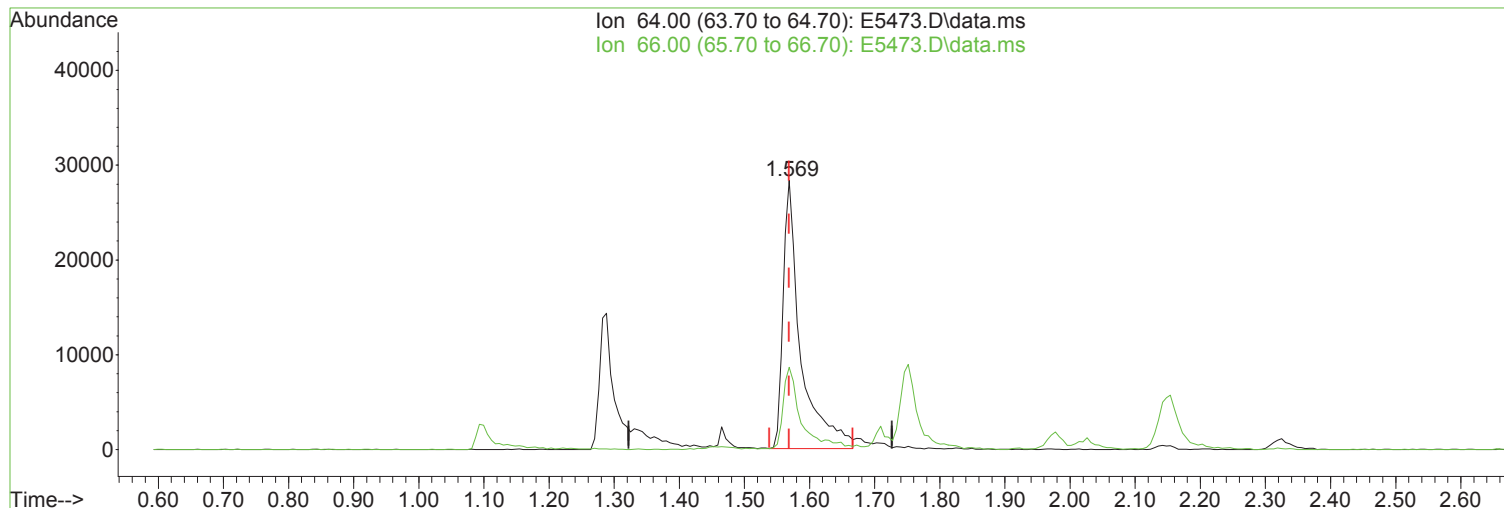
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 33.80 | 30.59 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5473.D
Acq On : 14 Sep 2023 01:00 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(7) Chloroethane (P)

Manual Integration:

1.569min (+ 0.000) 17.29 ug/L

Before

response 53048

| Ion | Exp% | Act% |
|-------|--------|--------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 33.80 | 30.59 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5473.D
 Acq On : 14 Sep 2023 01:00 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 420524 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 598813 | 50.00 | ug/L | 0.00 | |
| 71) d5-Chlorobenzene | 9.622 | 117 | 540850 | 50.00 | ug/L | 0.00 | |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 288464 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 193209 | 48.79 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 97.58% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 221819 | 48.89 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 97.78% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 724077 | 50.27 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 100.54% | |
| 70) SURR2,BFB | 10.707 | 95 | 254592 | 46.39 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 92.78% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 74530 | 19.285 | ug/L | | 96 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 94340m | 19.540 | ug/L | | |
| 4) Chloromethane | 1.215 | 50 | 88502 | 23.927 | ug/L | | 90 |
| 5) Vinyl Chloride | 1.282 | 62 | 89067 | 19.213 | ug/L | | 98 |
| 6) Bromomethane | 1.496 | 94 | 69621 | 21.803 | ug/L | | 99 |
| 7) Chloroethane | 1.569 | 64 | 56417m | 18.393 | ug/L | | |
| 8) Freon 21 | 1.709 | 67 | 112261 | 18.113 | ug/L | | 99 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 126934 | 21.735 | ug/L | | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 66616 | 23.174 | ug/L | | 97 |
| 11) Freon 123a | 1.977 | 67 | 74754 | 20.281 | ug/L | | 97 |
| 12) Freon 123 | 2.026 | 83 | 112973 | 24.616 | ug/L | | 98 |
| 13) Acrolein | 2.069 | 56 | 30981 | 49.305 | ug/L | | 99 |
| 14) 1,1-Dicethene | 2.142 | 96 | 67490 | 21.161 | ug/L | | 99 |
| 15) Freon 113 | 2.148 | 101 | 74629 | 21.348 | ug/L | | 99 |
| 16) Acetone | 2.197 | 43 | 30834 | 15.804 | ug/L | | 96 |
| 17) 2-Propanol | 2.325 | 45 | 130245 | 406.595 | ug/L | 100 | |
| 18) Iodomethane | 2.270 | 142 | 117084 | 23.821 | ug/L | | 97 |
| 19) Carbon Disulfide | 2.319 | 76 | 180498 | 19.055 | ug/L | | 99 |
| 20) Acetonitrile | 2.447 | 41 | 74185m | 111.174 | ug/L | | |
| 21) Allyl Chloride | 2.459 | 76 | 40540 | 22.434 | ug/L | | 93 |
| 22) Methyl Acetate | 2.483 | 43 | 72953 | 16.521 | ug/L | | 96 |
| 23) Methylene Chloride | 2.569 | 84 | 78265 | 22.004 | ug/L | | 99 |
| 24) TBA | 2.703 | 59 | 227322 | 404.803 | ug/L | | 93 |
| 25) Acrylonitrile | 2.812 | 53 | 188710 | 114.430 | ug/L | | 99 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 250988 | 22.160 | ug/L | | 99 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 78886 | 21.812 | ug/L | | 95 |
| 28) 1,1-Dicethane | 3.306 | 63 | 133482 | 23.243 | ug/L | | 98 |
| 29) Vinyl Acetate | 3.404 | 86 | 17353 | 31.786 | ug/L | # | 79 |
| 30) DIPE | 3.428 | 45 | 248820 | 23.965 | ug/L | | 98 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 110079 | 20.110 | ug/L | | 97 |
| 32) ETBE | 3.922 | 59 | 225623 | 20.936 | ug/L | | 95 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 115384 | 20.492 | ug/L | | 96 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 87983 | 22.191 | ug/L | | 98 |
| 35) 2-Butanone | 4.166 | 43 | 42694 | 18.520 | ug/L | | 97 |
| 36) Propionitrile | 4.239 | 54 | 78313 | 113.765 | ug/L | | 94 |
| 37) Bromochloromethane | 4.459 | 130 | 59220 | 22.794 | ug/L | | 94 |
| 38) Methacrylonitrile | 4.489 | 67 | 41143 | 22.512 | ug/L | | 95 |
| 39) Tetrahydrofuran | 4.574 | 42 | 29682 | 21.260 | ug/L | | 95 |
| 40) Chloroform | 4.635 | 83 | 141414 | 21.726 | ug/L | | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5473.D
 Acq On : 14 Sep 2023 01:00 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|----------|-------|----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 122095 | 20.633 | ug/L | 96 |
| 42) TAME | 5.842 | 73 | 239017 | 22.719 | ug/L | 99 |
| 44) Cyclohexane | 5.007 | 41 | 66753 | 20.791 | ug/L | 99 |
| 46) Carbontetrachloride | 5.221 | 117 | 102972 | 20.703 | ug/L | 99 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 101771 | 22.365 | ug/L | 99 |
| 49) Benzene | 5.580 | 78 | 308015 | 23.686 | ug/L | 99 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 112907 | 22.196 | ug/L | 99 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 91382 | 424.549 | ug/L | 99 |
| 52) n-Heptane | 6.098 | 43 | 98564 | 21.116 | ug/L | 96 |
| 53) 1-Butanol | 6.647 | 56 | 151196 | 1114.068 | ug/L | 99 |
| 54) Trichloroethene | 6.574 | 130 | 88781 | 22.020 | ug/L | 96 |
| 55) Methylcyclohexane | 6.812 | 55 | 92412 | 20.631 | ug/L | 95 |
| 56) 1,2-Diclpropane | 6.867 | 63 | 78193 | 23.175 | ug/L | 98 |
| 57) Dibromomethane | 7.013 | 93 | 55021 | 22.206 | ug/L | 92 |
| 58) 1,4-Dioxane | 7.098 | 88 | 27318 | 435.842 | ug/L | 94 |
| 59) Methyl Methacrylate | 7.117 | 69 | 67780 | 22.119 | ug/L | 97 |
| 60) Bromodichloromethane | 7.257 | 83 | 100466 | 19.306 | ug/L | 98 |
| 61) 2-Nitropropane | 7.556 | 41 | 41700 | 31.541 | ug/L | 96 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 125259 | 21.568 | ug/L | 99 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 94943 | 22.048 | ug/L | 97 |
| 66) Toluene | 8.177 | 91 | 341283 | 23.048 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 116212 | 21.631 | ug/L | 98 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 118295 | 22.065 | ug/L | 100 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 78383 | 22.118 | ug/L | 99 |
| 72) Tetrachloroethene | 8.775 | 164 | 75264 | 22.927 | ug/L | 95 |
| 73) 2-Hexanone | 8.958 | 43 | 66663 | 20.639 | ug/L | 98 |
| 74) 1,3-Dichloropropane | 8.824 | 76 | 134613 | 23.174 | ug/L | 99 |
| 75) Dibromochloromethane | 9.049 | 129 | 85340 | 19.843 | ug/L | 100 |
| 76) N-Butyl Acetate | 9.116 | 43 | 133723 | 20.802 | ug/L | 98 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 84665 | 21.971 | ug/L | 99 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 144229 | 24.185 | ug/L | 98 |
| 79) Chlorobenzene | 9.647 | 112 | 231233 | 22.915 | ug/L | 99 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 128522 | 23.946 | ug/L | 99 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 83459 | 20.727 | ug/L | 99 |
| 82) Ethylbenzene | 9.769 | 106 | 119458 | 22.733 | ug/L | 98 |
| 83) (m+p)Xylene | 9.884 | 106 | 293649 | 44.735 | ug/L | 99 |
| 84) o-Xylene | 10.244 | 106 | 142881 | 22.161 | ug/L | 98 |
| 85) Styrene | 10.256 | 104 | 243289 | 22.262 | ug/L | 98 |
| 86) Bromoform | 10.409 | 173 | 60818 | 18.607 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 137079 | 23.524 | ug/L | 96 |
| 88) Isopropylbenzene | 10.579 | 105 | 363020 | 22.868 | ug/L | 100 |
| 89) Cyclohexanone | 10.653 | 55 | 72467 | 90.338 | ug/L | 95 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 27617 | 17.669 | ug/L | 88 |
| 92) 1,1,2,2-Tetrachloroethane | 10.848 | 83 | 113348 | 22.140 | ug/L | 98 |
| 93) Bromobenzene | 10.823 | 156 | 104643 | 21.570 | ug/L | 97 |
| 94) 1,2,3-Trichloropropane | 10.878 | 110 | 37468 | 21.152 | ug/L | 96 |
| 95) n-Propylbenzene | 10.939 | 91 | 427293 | 22.326 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 256869 | 22.157 | ug/L | 100 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 267082 | 22.501 | ug/L | 97 |
| 98) 4-Chlorotoluene | 11.091 | 91 | 300303 | 21.259 | ug/L | 96 |
| 99) 1,3,5-Trimethylbenzene | 11.091 | 105 | 309432 | 20.963 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.366 | 119 | 276953 | 22.069 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.402 | 105 | 310874 | 21.867 | ug/L | 98 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 114939 | 24.048 | ug/L | 99 |
| 103) sec-Butylbenzene | 11.549 | 105 | 393607 | 21.934 | ug/L | 99 |
| 104) p-Isopropyltoluene | 11.671 | 119 | 352013 | 22.340 | ug/L | 99 |

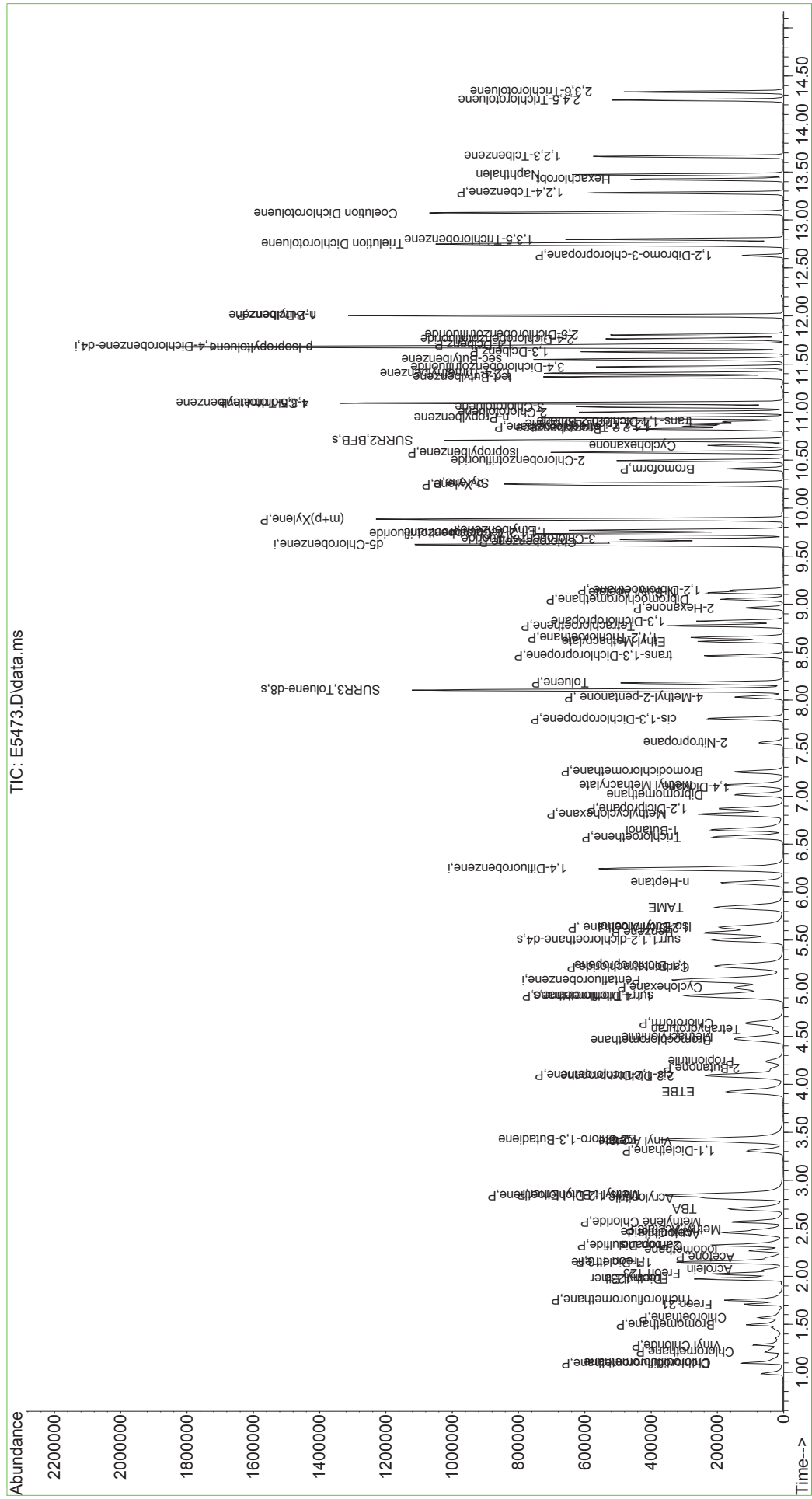
Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5473.D
 Acq On : 14 Sep 2023 01:00 pm
 Operator : K.Ruest
 Sample : LCS-FP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 13:57:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 105) 1,3-Dclbenz | 11.628 | 146 | 196567 | 22.347 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 200271 | 22.246 | ug/L | 98 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 104466 | 24.409 | ug/L | 97 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 116092 | 24.485 | ug/L | 99 |
| 109) n-Butylbenzene | 12.006 | 91 | 312218 | 23.060 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 189083 | 21.948 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 26217 | 18.545 | ug/L | 98 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 499179 | 67.843 | ug/L | 99 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 153784 | 23.787 | ug/L | 96 |
| 114) Coelution Dichlorotoluene | 13.073 | 125 | 362274 | 46.582 | ug/L | 97 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 146605 | 22.488 | ug/L | 98 |
| 116) Hexachlorobt | 13.426 | 225 | 71220 | 24.254 | ug/L | 94 |
| 117) Naphthalen | 13.475 | 128 | 382403 | 23.652 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 144446 | 22.868 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 103247 | 25.087 | ug/L | 96 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 89380 | 23.245 | ug/L | 98 |

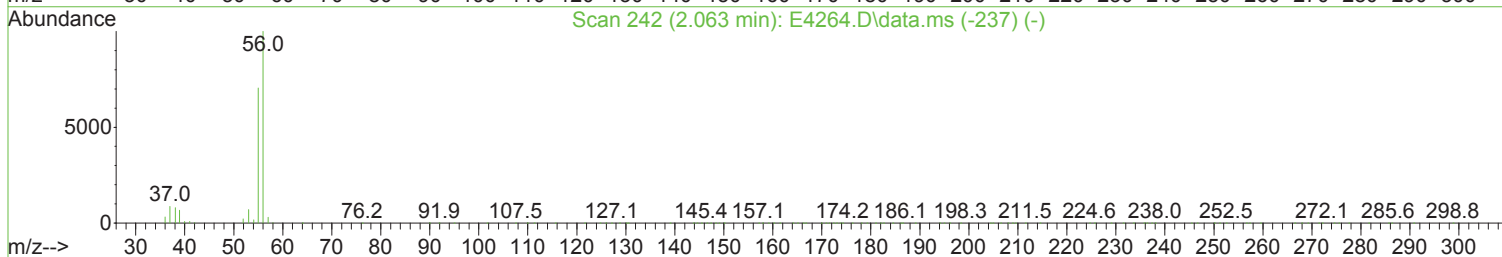
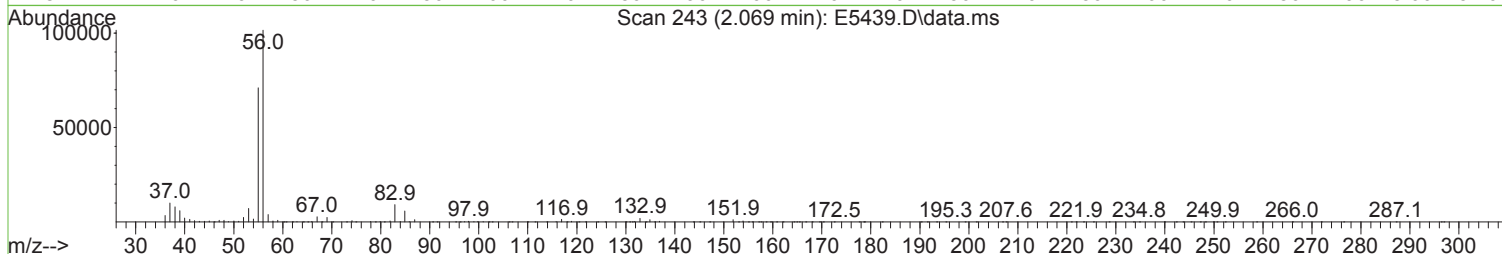
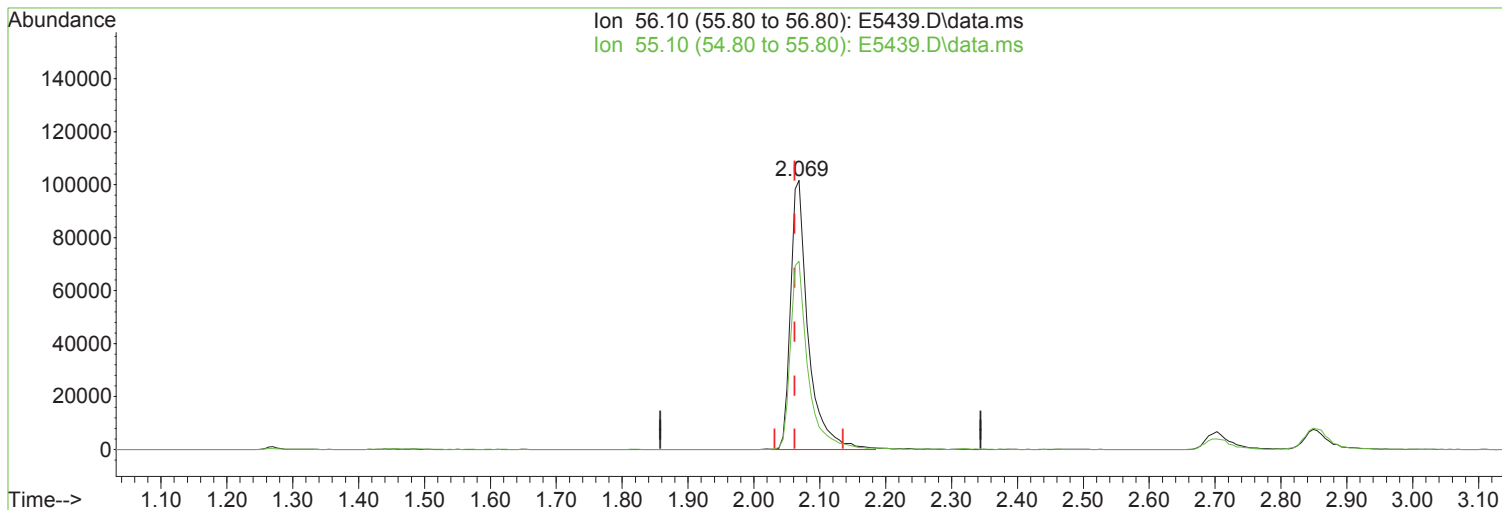
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5473.D
 Acq On : 14 Sep 2023 01:00 pm
 Operator : K.Ruest
 Sample : LCS-Fp
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Quant Time: Sep 14 13:57:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5439.D\data.ms

(13) Acrolein

Manual Integration:

2.069min (+ 0.006) 305.95 ug/L m

After

response 189093

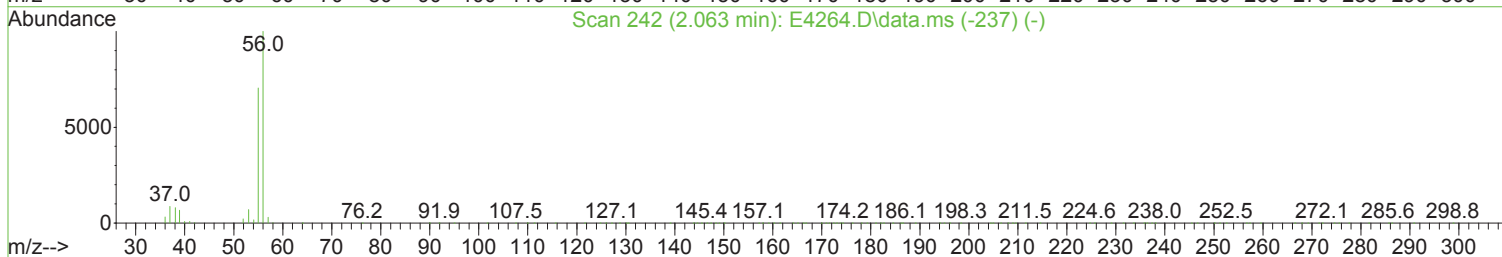
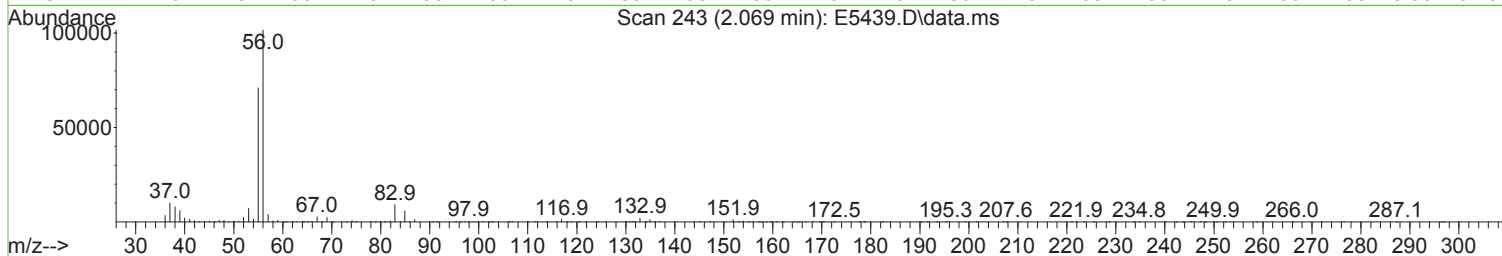
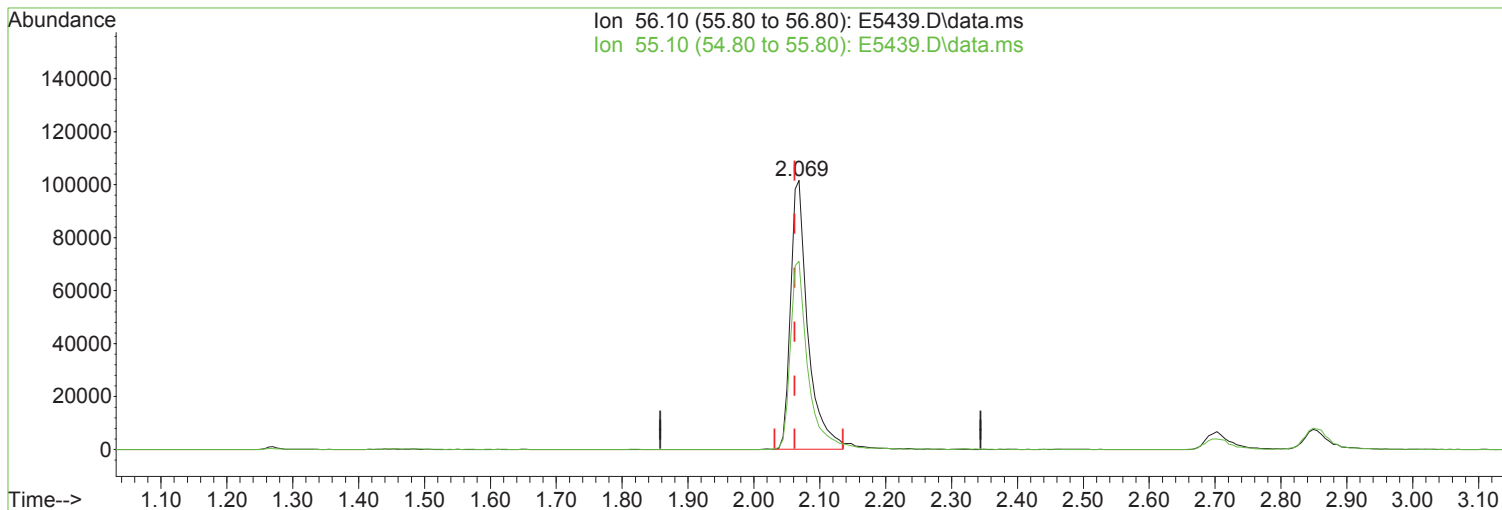
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 55.10 | 70.90 | 69.96 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



(13) Acrolein

Manual Integration:

2.069min (+ 0.006) 298.67 ug/L

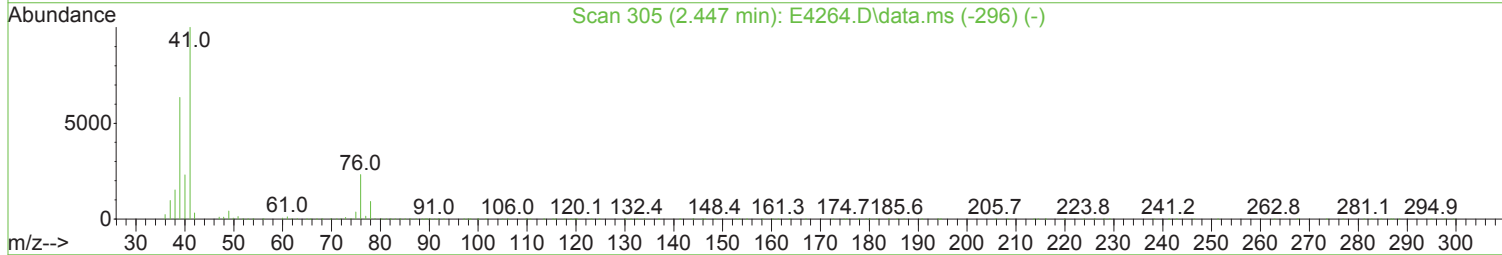
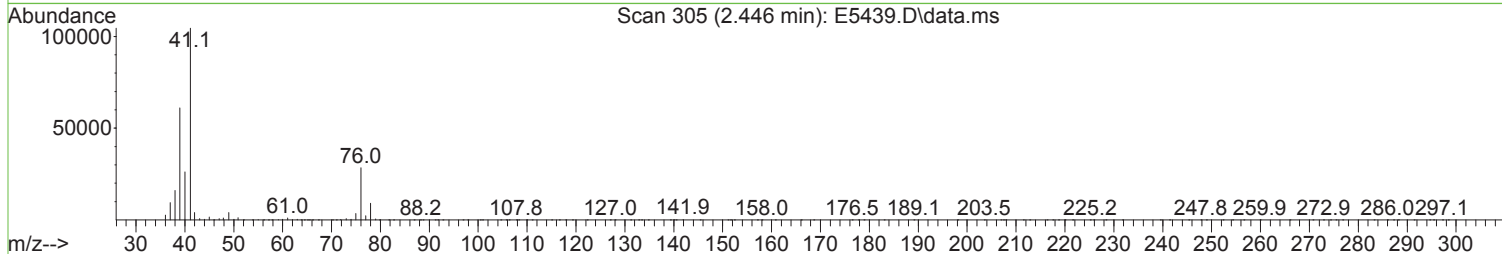
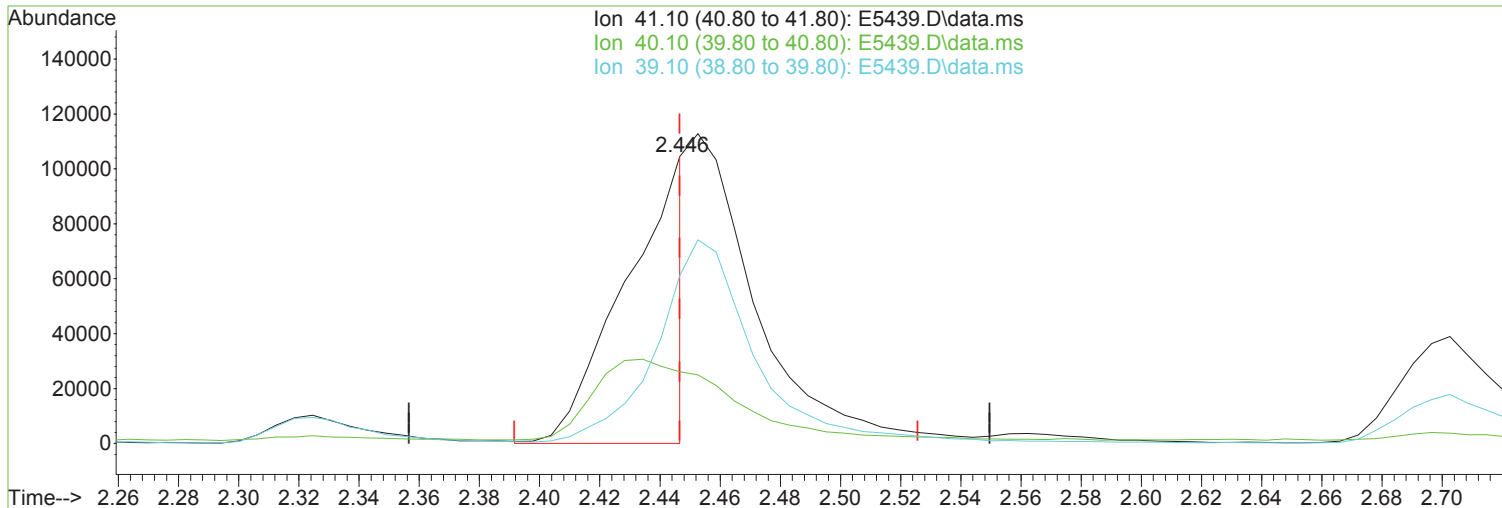
Before

response 184592

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 56.10 | 100.00 | 100.00 | 09/14/23 |
| 55.10 | 70.90 | 69.96 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

2.446min (-0.000) 224.41 ug/L m

response 147286

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 25.05 |
| 39.10 | 63.60 | 58.46 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

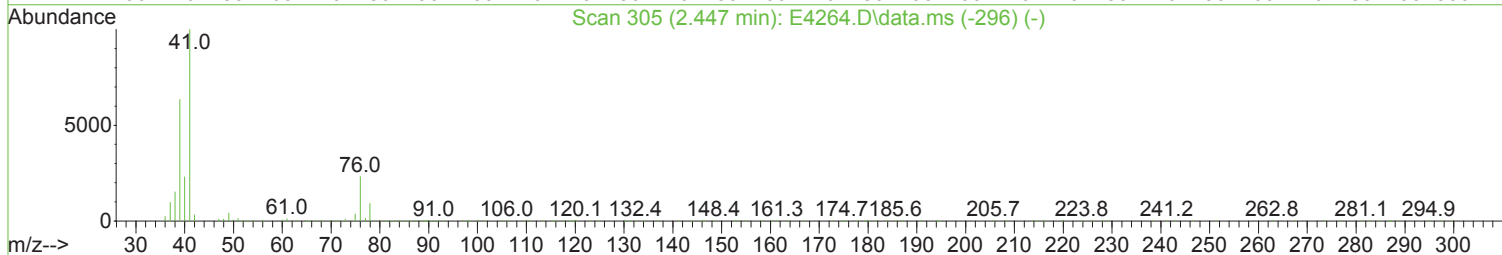
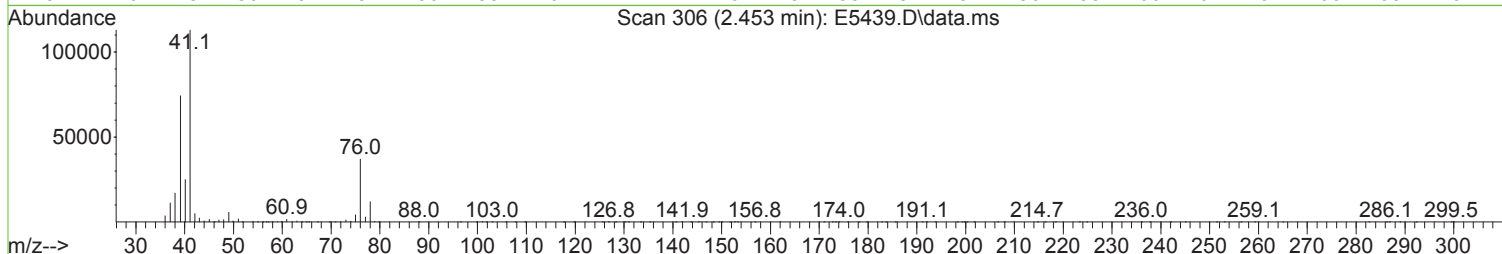
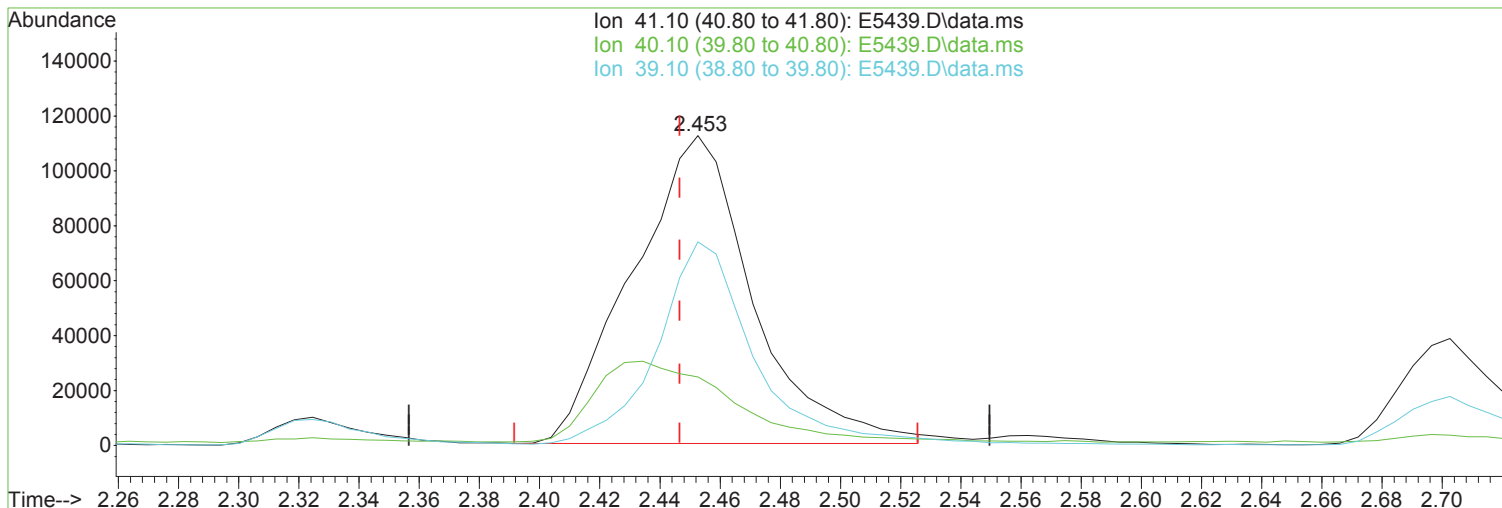
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 476.01 ug/L

Before

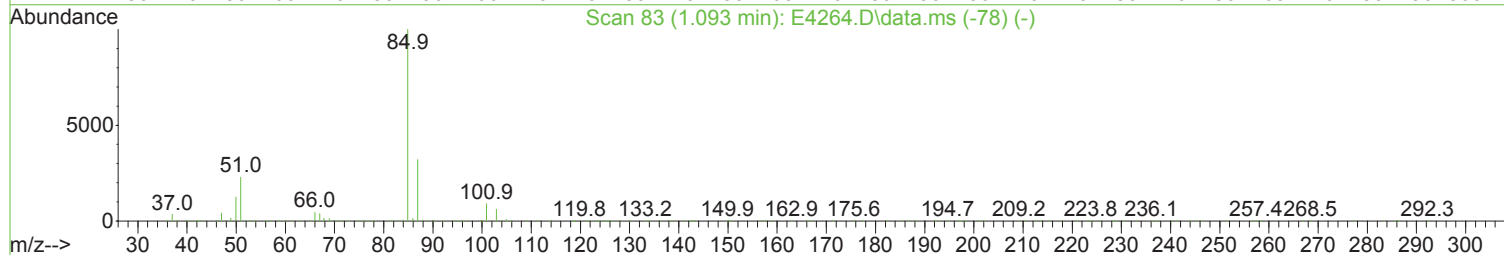
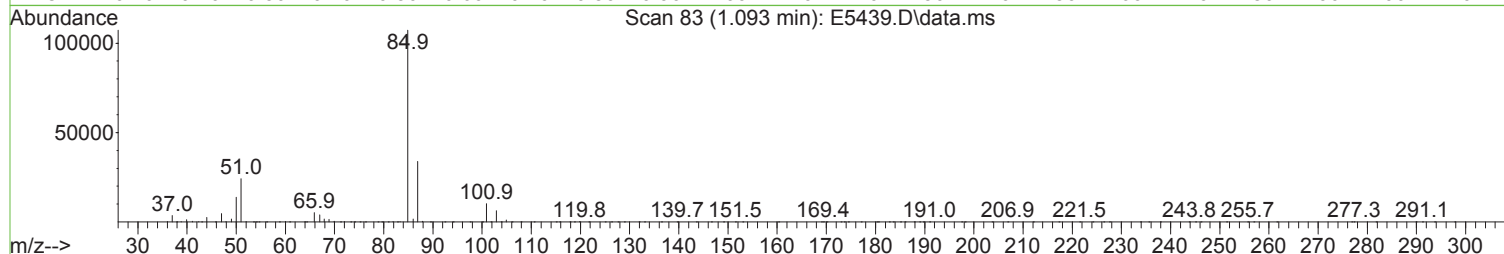
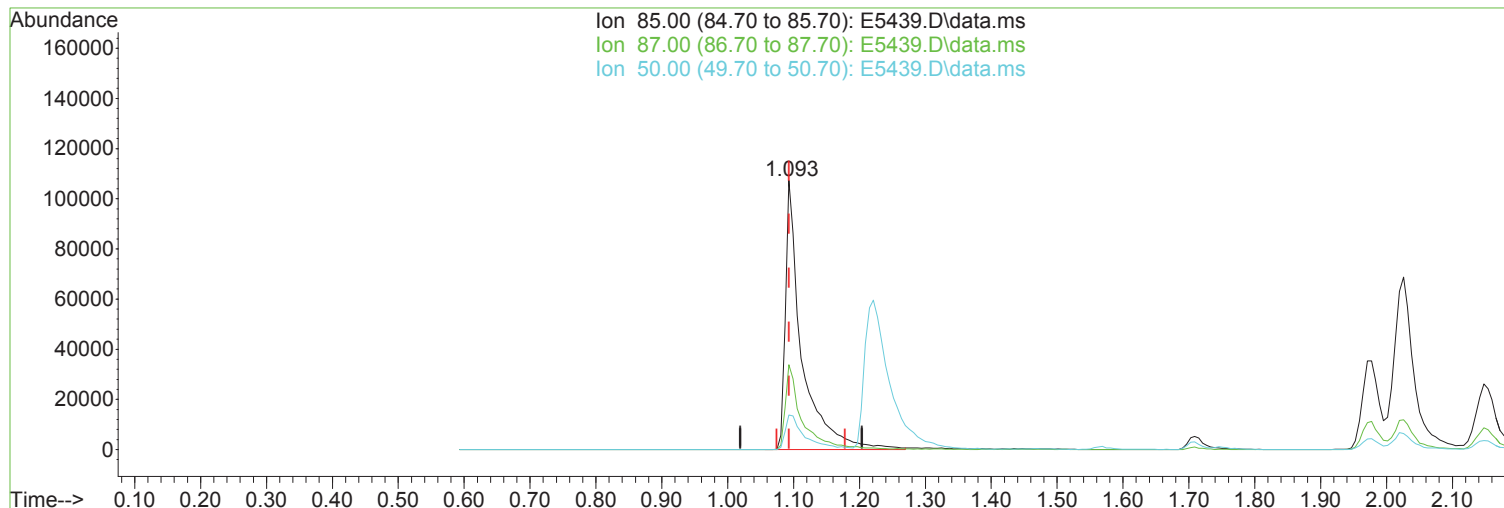
response 312426

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 22.12 |
| 39.10 | 63.60 | 65.74 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 38.90 ug/L m

After

response 184745

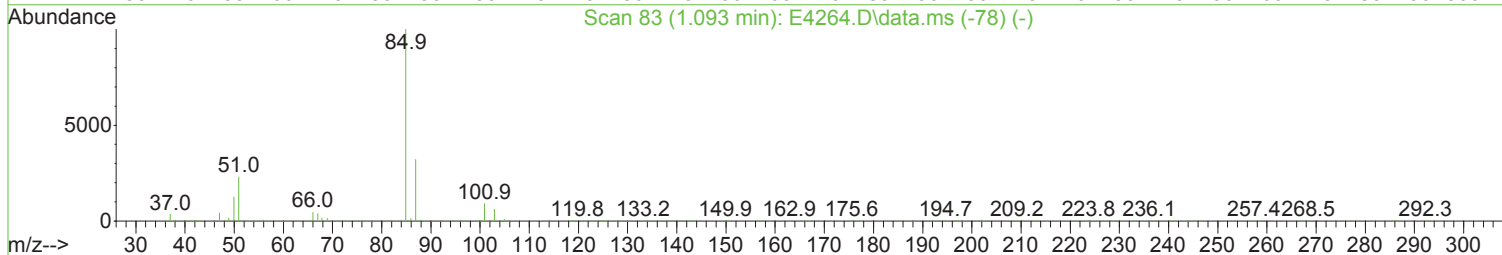
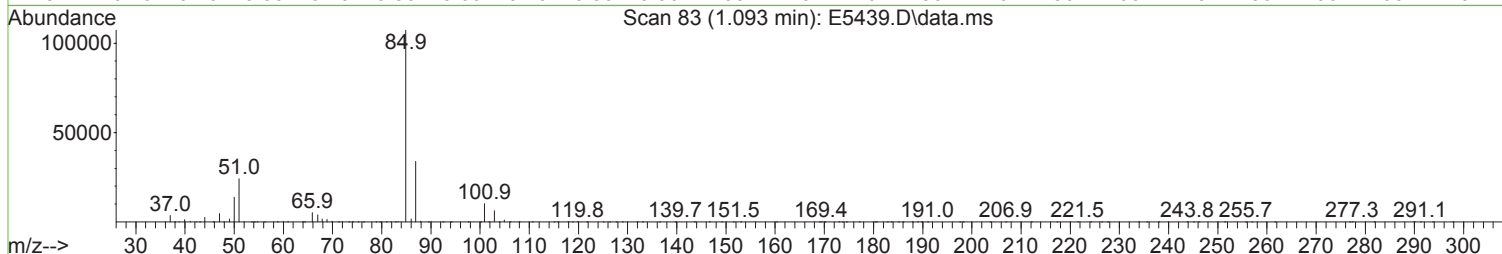
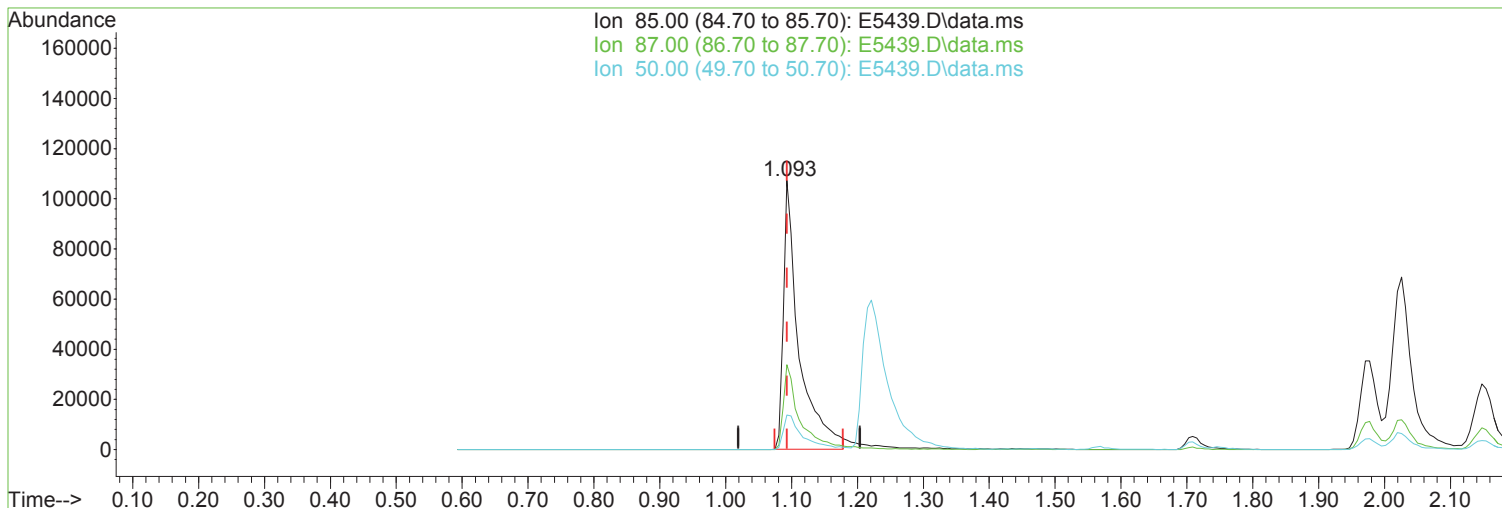
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.51 |
| 50.00 | 12.60 | 12.80 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 36.73 ug/L

Before

response 174438

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.51 |
| 50.00 | 12.60 | 12.80 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 2 | Chlorodifluoromethane | 50.000 | 34.503 | 31.0# | 86 | 0.00 |
| 3 P | Dichlorodifluoromethane | 50.000 | 38.904 | 22.2# | 90 | 0.00 |
| 4 P | Chloromethane | 50.000 | 42.737 | 14.5 | 103 | -0.01 |
| 5 P | Vinyl Chloride | 50.000 | 40.382 | 19.2 | 96 | 0.00 |
| 6 P | Bromomethane | 50.000 | 41.767 | 16.5 | 95 | 0.00 |
| 7 P | Chloroethane | 50.000 | 37.789 | 24.4# | 92 | 0.00 |
| 8 | Freon 21 | 50.000 | 43.909 | 12.2 | 107 | 0.00 |
| 9 P | Trichlorofluoromethane | 50.000 | 39.056 | 21.9# | 92 | 0.00 |
| 10 | Diethyl Ether | 50.000 | 45.367 | 9.3 | 104 | 0.00 |
| 11 | Freon 123a | 50.000 | 42.853 | 14.3 | 112 | 0.00 |
| 12 | Freon 123 | 50.000 | 45.939 | 8.1 | 113 | 0.00 |
| 13 | Acrolein | 250.000 | 305.952 | -22.4# | 143 | 0.00 |
| 14 | 1,1-Dicethene | 50.000 | 40.706 | 18.6 | 100 | 0.00 |
| 15 P | Freon 113 | 50.000 | 38.881 | 22.2# | 94 | 0.00 |
| 16 P | Acetone | 50.000 | 45.201 | 9.6 | 107 | 0.00 |
| 17 | 2-Propanol | 1000.000 | 914.495 | 8.6 | 105 | 0.00 |
| 18 | Iodomethane | 50.000 | 52.066 | -4.1 | 107 | 0.00 |
| 19 P | Carbon Disulfide | 50.000 | 43.192 | 13.6 | 97 | 0.00 |
| 20 | Acetonitrile | 250.000 | 224.406 | 10.2 | 103 | 0.00 |
| 21 | Allyl Chloride | 50.000 | 42.804 | 14.4 | 99 | 0.00 |
| 22 P | Methyl Acetate | 50.000 | 46.445 | 7.1 | 108 | 0.00 |
| 23 P | Methylene Chloride | 50.000 | 42.356 | 15.3 | 104 | 0.00 |
| 24 | TBA | 1000.000 | 793.377 | 20.7# | 93 | 0.00 |
| 25 | Acrylonitrile | 250.000 | 234.072 | 6.4 | 107 | 0.00 |
| 26 P | Methyl-t-Butyl Ether | 50.000 | 42.949 | 14.1 | 100 | 0.00 |
| 27 P | trans-1,2-Dichloroethene | 50.000 | 40.611 | 18.8 | 101 | 0.00 |
| 28 P | 1,1-Dicethane | 50.000 | 44.204 | 11.6 | 102 | 0.00 |
| 29 | Vinyl Acetate | 50.000 | 27.685 | 44.6# | 64 | 0.00 |
| 30 | DIPE | 50.000 | 48.768 | 2.5 | 112 | 0.00 |
| 31 | 2-Chloro-1,3-Butadiene | 50.000 | 45.706 | 8.6 | 103 | 0.00 |
| 32 | ETBE | 50.000 | 46.229 | 7.5 | 107 | 0.00 |
| 33 | 2,2-Dichloropropane | 50.000 | 34.046 | 31.9# | 81 | 0.00 |
| 34 P | cis-1,2-Dichloroethene | 50.000 | 42.013 | 16.0 | 101 | 0.00 |
| 35 P | 2-Butanone | 50.000 | 47.111 | 5.8 | 107 | 0.00 |
| 36 | Propionitrile | 250.000 | 228.327 | 8.7 | 108 | 0.00 |
| 37 | Bromochloromethane | 50.000 | 44.007 | 12.0 | 101 | 0.00 |
| 38 | Methacrylonitrile | 50.000 | 45.965 | 8.1 | 103 | 0.00 |
| 39 | Tetrahydrofuran | 50.000 | 43.179 | 13.6 | 103 | 0.00 |
| 40 P | Chloroform | 50.000 | 41.103 | 17.8 | 100 | 0.00 |
| 41 P | 1,1,1-Trichloroethane | 50.000 | 38.407 | 23.2# | 91 | 0.00 |
| 42 | TAME | 50.000 | 46.533 | 6.9 | 106 | 0.00 |
| 43 i | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 44 P | Cyclohexane | 50.000 | 43.078 | 13.8 | 104 | 0.00 |
| 45 s | surr4,Dibrflmethane | 50.000 | 50.139 | -0.3 | 105 | 0.00 |
| 46 P | Carbontetrachloride | 50.000 | 38.630 | 22.7# | 86 | 0.00 |
| 47 | 1,1-Dichloropropene | 50.000 | 42.420 | 15.2 | 100 | 0.00 |
| 48 s | surr1,1,2-dichloroethane-d4 | 50.000 | 49.750 | 0.5 | 104 | 0.00 |
| 49 P | Benzene | 50.000 | 44.841 | 10.3 | 104 | 0.00 |
| 50 P | 1,2-Dichloroethane | 50.000 | 43.551 | 12.9 | 101 | 0.00 |
| 51 | Iso-Butyl Alcohol | 1000.000 | 897.757 | 10.2 | 101 | 0.00 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 35.900 | 28.2# | 89 | 0.00 |
| 53 | 1-Butanol | 2500.000 | 2436.834 | 2.5 | 105 | 0.00 |
| 54 P | Trichloroethene | 50.000 | 44.353 | 11.3 | 105 | 0.00 |
| 55 P | Methylcyclohexane | 50.000 | 42.938 | 14.1 | 108 | 0.00 |
| 56 P | 1,2-Diclp propane | 50.000 | 45.334 | 9.3 | 105 | 0.00 |
| 57 | Dibromomethane | 50.000 | 43.575 | 12.8 | 99 | 0.00 |
| 58 | 1,4-Dioxane | 1000.000 | 916.868 | 8.3 | 105 | 0.00 |
| 59 | Methyl Methacrylate | 50.000 | 44.174 | 11.7 | 102 | 0.00 |
| 60 P | Bromodichloromethane | 50.000 | 38.704 | 22.6# | 91 | 0.00 |
| 61 | 2-Nitropropane | 100.000 | 66.945 | 33.1# | 76 | 0.00 |
| 62 | 2-Chloroethylvinyl Ether | 50.000 | 38.393 | 23.2# | 84 | 0.00 |
| 63 P | cis-1,3-Dichloropropene | 50.000 | 41.681 | 16.6 | 96 | 0.00 |
| 64 P | 4-Methyl-2-pentanone | 50.000 | 48.480 | 3.0 | 110 | 0.00 |
| 65 s | SURR3,Toluene-d8 | 50.000 | 52.013 | -4.0 | 111 | 0.00 |
| 66 P | Toluene | 50.000 | 43.574 | 12.9 | 101 | 0.00 |
| 67 P | trans-1,3-Dichloropropene | 50.000 | 40.793 | 18.4 | 91 | 0.00 |
| 68 | Ethyl Methacrylate | 50.000 | 45.451 | 9.1 | 101 | 0.00 |
| 69 P | 1,1,2-Trichloroethane | 50.000 | 45.083 | 9.8 | 104 | 0.00 |
| 70 s | SURR2,BFB | 50.000 | 50.405 | -0.8 | 109 | 0.00 |
| 71 i | d5-Chlorobenzene | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 72 P | Tetrachloroethene | 50.000 | 41.481 | 17.0 | 100 | 0.00 |
| 73 P | 2-Hexanone | 50.000 | 47.473 | 5.1 | 108 | 0.00 |
| 74 | 1,3-Dichloropropene | 50.000 | 45.709 | 8.6 | 105 | 0.00 |
| 75 P | Dibromochloromethane | 50.000 | 39.083 | 21.8# | 87 | 0.00 |
| 76 | N-Butyl Acetate | 50.000 | 48.666 | 2.7 | 108 | 0.00 |
| 77 P | 1,2-Dibromoethane | 50.000 | 44.386 | 11.2 | 101 | 0.00 |
| 78 | 3-Chlorobenzotrifluoride | 50.000 | 46.847 | 6.3 | 108 | 0.00 |
| 79 P | Chlorobenzene | 50.000 | 43.522 | 13.0 | 101 | 0.00 |
| 80 | 4-Chlorobenzotrifluoride | 50.000 | 46.324 | 7.4 | 108 | 0.00 |
| 81 | 1,1,1,2-Tetrachloroethane | 50.000 | 40.438 | 19.1 | 94 | 0.00 |
| 82 P | Ethylbenzene | 50.000 | 42.381 | 15.2 | 99 | 0.00 |
| 83 P | (m+p)Xylene | 100.000 | 84.343 | 15.7 | 99 | 0.00 |
| 84 P | o-Xylene | 50.000 | 42.088 | 15.8 | 100 | 0.00 |
| 85 P | Styrene | 50.000 | 42.161 | 15.7 | 97 | 0.00 |
| 86 P | Bromoform | 50.000 | 37.431 | 25.1# | 82 | 0.00 |
| 87 | 2-Chlorobenzotrifluoride | 50.000 | 47.694 | 4.6 | 109 | 0.00 |
| 88 P | Isopropylbenzene | 50.000 | 41.829 | 16.3 | 99 | 0.00 |
| 89 | Cyclohexanone | 1000.000 | 981.494 | 1.9 | 112 | 0.00 |
| 90 | trans-1,4-Dichloro-2-Butene | 50.000 | 40.341 | 19.3 | 92 | 0.00 |
| 91 i | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 92 P | 1,1,2,2-Tetrachloroethane | 50.000 | 41.136 | 17.7 | 98 | 0.00 |
| 93 | Bromobenzene | 50.000 | 41.667 | 16.7 | 101 | 0.00 |
| 94 | 1,2,3-Trichloropropene | 50.000 | 41.915 | 16.2 | 102 | 0.00 |
| 95 | n-Propylbenzene | 50.000 | 40.204 | 19.6 | 97 | 0.00 |
| 96 | 2-Chlorotoluene | 50.000 | 40.596 | 18.8 | 99 | 0.00 |
| 97 | 3-Chlorotoluene | 50.000 | 43.071 | 13.9 | 104 | 0.00 |
| 98 | 4-Chlorotoluene | 50.000 | 39.231 | 21.5# | 96 | 0.00 |
| 99 | 1,3,5-Trimethylbenzene | 50.000 | 38.703 | 22.6# | 95 | 0.00 |
| 100 | tert-Butylbenzene | 50.000 | 39.343 | 21.3# | 97 | 0.00 |
| 101 | 1,2,4-Trimethylbenzene | 50.000 | 39.717 | 20.6# | 96 | 0.00 |

Data Path : I:\ACQUADATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUADATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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-Dichlorobenzotrifluorid | 50.000 | 45.237 | 9.5 | 107 | 0.00 |
| 103 | sec-Butylbenzene | 50.000 | 39.080 | 21.8# | 97 | 0.00 |
| 104 | p-Isopropyltoluene | 50.000 | 39.689 | 20.6# | 96 | 0.00 |
| 105 P | 1,3-Dclbenz | 50.000 | 40.646 | 18.7 | 100 | 0.00 |
| 106 P | 1,4-Dclbenz | 50.000 | 40.292 | 19.4 | 98 | 0.00 |
| 107 | 2,4-Dichlorobenzotrifluorid | 50.000 | 45.454 | 9.1 | 106 | 0.00 |
| 108 | 2,5-Dichlorobenzotrifluorid | 50.000 | 47.013 | 6.0 | 110 | 0.00 |
| 109 | n-Butylbenzene | 50.000 | 40.392 | 19.2 | 95 | 0.00 |
| 110 P | 1,2-Dclbenz | 50.000 | 41.898 | 16.2 | 100 | 0.00 |
| 111 P | 1,2-Dibromo-3-chloropropane | 50.000 | 38.784 | 22.4# | 88 | 0.00 |
| 112 | Trielution Dichlorotoluene | 150.000 | 134.963 | 10.0 | 104 | 0.00 |
| 113 | 1,3,5-Trichlorobenzene | 50.000 | 46.648 | 6.7 | 108 | 0.00 |
| 114 | Coelution Dichlorotoluene | 100.000 | 91.907 | 8.1 | 104 | 0.00 |
| 115 P | 1,2,4-Tcbenzene | 50.000 | 44.151 | 11.7 | 103 | 0.00 |
| 116 | Hexachlorobt | 50.000 | 41.051 | 17.9 | 97 | 0.00 |
| 117 | Naphthalen | 50.000 | 46.182 | 7.6 | 103 | 0.00 |
| 118 | 1,2,3-Tclbenzene | 50.000 | 45.780 | 8.4 | 104 | 0.00 |
| 119 | 2,4,5-Trichlorotoluene | 50.000 | 47.328 | 5.3 | 104 | 0.00 |
| 120 | 2,3,6-Trichlorotoluene | 50.000 | 0.000 | 100.0# | 0 | -14.33# |

(#) = Out of Range

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
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 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|----------|----------|----------|-------|---------------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 413623 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 587360 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 535593 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 298606 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 194749 | 50.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 100.28% |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 221427 | 49.75 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 99.50% |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 734909 | 52.01 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 104.02% |
| 70) SURR2,BFB | 10.707 | 95 | 271353 | 50.40 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 100.80% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.105 | 51 | 131152 | 34.503 | ug/L | 96 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 184745m | 38.904 | ug/L | |
| 4) Chloromethane | 1.221 | 50 | 155482 | 42.737 | ug/L | 95 |
| 5) Vinyl Chloride | 1.282 | 62 | 184127 | 40.382 | ug/L | 99 |
| 6) Bromomethane | 1.489 | 94 | 131183 | 41.767 | ug/L | 98 |
| 7) Chloroethane | 1.569 | 64 | 114010 | 37.789 | ug/L | 94 |
| 8) Freon 21 | 1.709 | 67 | 267667 | 43.909 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 224353 | 39.056 | ug/L | 98 |
| 10) Diethyl Ether | 1.971 | 59 | 128273 | 45.367 | ug/L | 99 |
| 11) Freon 123a | 1.977 | 67 | 155364 | 42.853 | ug/L | 97 |
| 12) Freon 123 | 2.026 | 83 | 207377 | 45.939 | ug/L | 99 |
| 13) Acrolein | 2.069 | 56 | 189093m | 305.952 | ug/L | |
| 14) 1,1-Dicethene | 2.142 | 96 | 127692 | 40.706 | ug/L | 99 |
| 15) Freon 113 | 2.148 | 101 | 133690 | 38.881 | ug/L | 98 |
| 16) Acetone | 2.197 | 43 | 86741 | 45.201 | ug/L | 96 |
| 17) 2-Propanol | 2.325 | 45 | 288134 | 914.495 | ug/L | 98 |
| 18) Iodomethane | 2.264 | 142 | 251715 | 52.066 | ug/L | 98 |
| 19) Carbon Disulfide | 2.318 | 76 | 402430 | 43.192 | ug/L | 100 |
| 20) Acetonitrile | 2.446 | 41 | 147286m | 224.406 | ug/L | |
| 21) Allyl Chloride | 2.453 | 76 | 76081 | 42.804 | ug/L | 95 |
| 22) Methyl Acetate | 2.483 | 43 | 201727 | 46.445 | ug/L | 97 |
| 23) Methylene Chloride | 2.568 | 84 | 148182 | 42.356 | ug/L | 98 |
| 24) TBA | 2.703 | 59 | 438219 | 793.377 | ug/L | 91 |
| 25) Acrylonitrile | 2.812 | 53 | 379682 | 234.072 | ug/L | 100 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 478467 | 42.949 | ug/L | 99 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 144465 | 40.611 | ug/L | 98 |
| 28) 1,1-Dicethane | 3.306 | 63 | 249692 | 44.204 | ug/L | 98 |
| 29) Vinyl Acetate | 3.398 | 86 | 14866 | 27.685 | ug/L | # 60 |
| 30) DIPE | 3.428 | 45 | 498032 | 48.768 | ug/L | 88 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 246081 | 45.706 | ug/L | 93 |
| 32) ETBE | 3.922 | 59 | 490030 | 46.229 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.086 | 77 | 188558 | 34.046 | ug/L | 97 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 163840 | 42.013 | ug/L | 98 |
| 35) 2-Butanone | 4.160 | 43 | 106821 | 47.111 | ug/L | 98 |
| 36) Propionitrile | 4.239 | 54 | 154596 | 228.327 | ug/L | 97 |
| 37) Bromochloromethane | 4.464 | 130 | 112457 | 44.007 | ug/L | 97 |
| 38) Methacrylonitrile | 4.483 | 67 | 82629 | 45.965 | ug/L | 96 |
| 39) Tetrahydrofuran | 4.568 | 42 | 59295 | 43.179 | ug/L | 94 |
| 40) Chloroform | 4.635 | 83 | 263151 | 41.103 | ug/L | 96 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
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 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 223536 | 38.407 | ug/L | 97 |
| 42) TAME | 5.842 | 73 | 481512 | 46.533 | ug/L | 96 |
| 44) Cyclohexane | 5.007 | 41 | 135664 | 43.078 | ug/L | 95 |
| 46) Carbontetrachloride | 5.220 | 117 | 188456 | 38.630 | ug/L | 96 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 189334 | 42.420 | ug/L | 98 |
| 49) Benzene | 5.580 | 78 | 571975 | 44.841 | ug/L | 100 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 217298 | 43.551 | ug/L | 98 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 189542 | 897.757 | ug/L | 100 |
| 52) n-Heptane | 6.098 | 43 | 164369 | 35.900 | ug/L | 99 |
| 53) 1-Butanol | 6.653 | 56 | 324390 | 2436.834 | ug/L | 100 |
| 54) Trichloroethene | 6.574 | 130 | 175406 | 44.353 | ug/L | 98 |
| 55) Methylcyclohexane | 6.812 | 55 | 188655 | 42.938 | ug/L | 95 |
| 56) 1,2-Dicloropropane | 6.873 | 63 | 150029 | 45.334 | ug/L | 100 |
| 57) Dibromomethane | 7.013 | 93 | 105904 | 43.575 | ug/L | 96 |
| 58) 1,4-Dioxane | 7.098 | 88 | 56369 | 916.868 | ug/L | 100 |
| 59) Methyl Methacrylate | 7.116 | 69 | 132778 | 44.174 | ug/L | 98 |
| 60) Bromodichloromethane | 7.257 | 83 | 197563 | 38.704 | ug/L | 99 |
| 61) 2-Nitropropane | 7.555 | 41 | 86814 | 66.945 | ug/L | 91 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 81413 | 38.393 | ug/L | 99 |
| 63) cis-1,3-Dichloropropene | 7.811 | 75 | 237440 | 41.681 | ug/L | 99 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 204772 | 48.480 | ug/L | 98 |
| 66) Toluene | 8.177 | 91 | 632878 | 43.574 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 214970 | 40.793 | ug/L | 98 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 239007 | 45.451 | ug/L | 99 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 156713 | 45.083 | ug/L | 99 |
| 72) Tetrachloroethene | 8.775 | 164 | 134850 | 41.481 | ug/L | 98 |
| 73) 2-Hexanone | 8.958 | 43 | 151842 | 47.473 | ug/L | 98 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 262930 | 45.709 | ug/L | 98 |
| 75) Dibromochloromethane | 9.049 | 129 | 166451 | 39.083 | ug/L | 97 |
| 76) N-Butyl Acetate | 9.116 | 43 | 309806 | 48.666 | ug/L | 99 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 169381 | 44.386 | ug/L | 100 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 276662 | 46.847 | ug/L | 97 |
| 79) Chlorobenzene | 9.646 | 112 | 434908 | 43.522 | ug/L | 99 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 246215 | 46.324 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 161246 | 40.438 | ug/L | 99 |
| 82) Ethylbenzene | 9.768 | 106 | 220535 | 42.381 | ug/L | 98 |
| 83) (m+p)Xylene | 9.884 | 106 | 548271 | 84.343 | ug/L | 99 |
| 84) o-Xylene | 10.244 | 106 | 268720 | 42.088 | ug/L | 97 |
| 85) Styrene | 10.262 | 104 | 456275 | 42.161 | ug/L | 97 |
| 86) Bromoform | 10.408 | 173 | 121154 | 37.431 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.500 | 180 | 275221 | 47.694 | ug/L | 94 |
| 88) Isopropylbenzene | 10.585 | 105 | 657563 | 41.829 | ug/L | 100 |
| 89) Cyclohexanone | 10.652 | 55 | 779682 | 981.494 | ug/L | 98 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 62442 | 40.341 | ug/L | 93 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 218003 | 41.136 | ug/L | 98 |
| 93) Bromobenzene | 10.823 | 156 | 209248 | 41.667 | ug/L | 96 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 76857 | 41.915 | ug/L | 91 |
| 95) n-Propylbenzene | 10.939 | 91 | 796508 | 40.204 | ug/L | 100 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 487182 | 40.596 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 529232 | 43.071 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 573649 | 39.231 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 591365 | 38.703 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.366 | 119 | 511093 | 39.343 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 584501 | 39.717 | ug/L | 98 |
| 102) 3,4-Dichlorobenzotrifl... | 11.475 | 214 | 223813 | 45.237 | ug/L | 95 |
| 103) sec-Butylbenzene | 11.549 | 105 | 725956 | 39.080 | ug/L | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

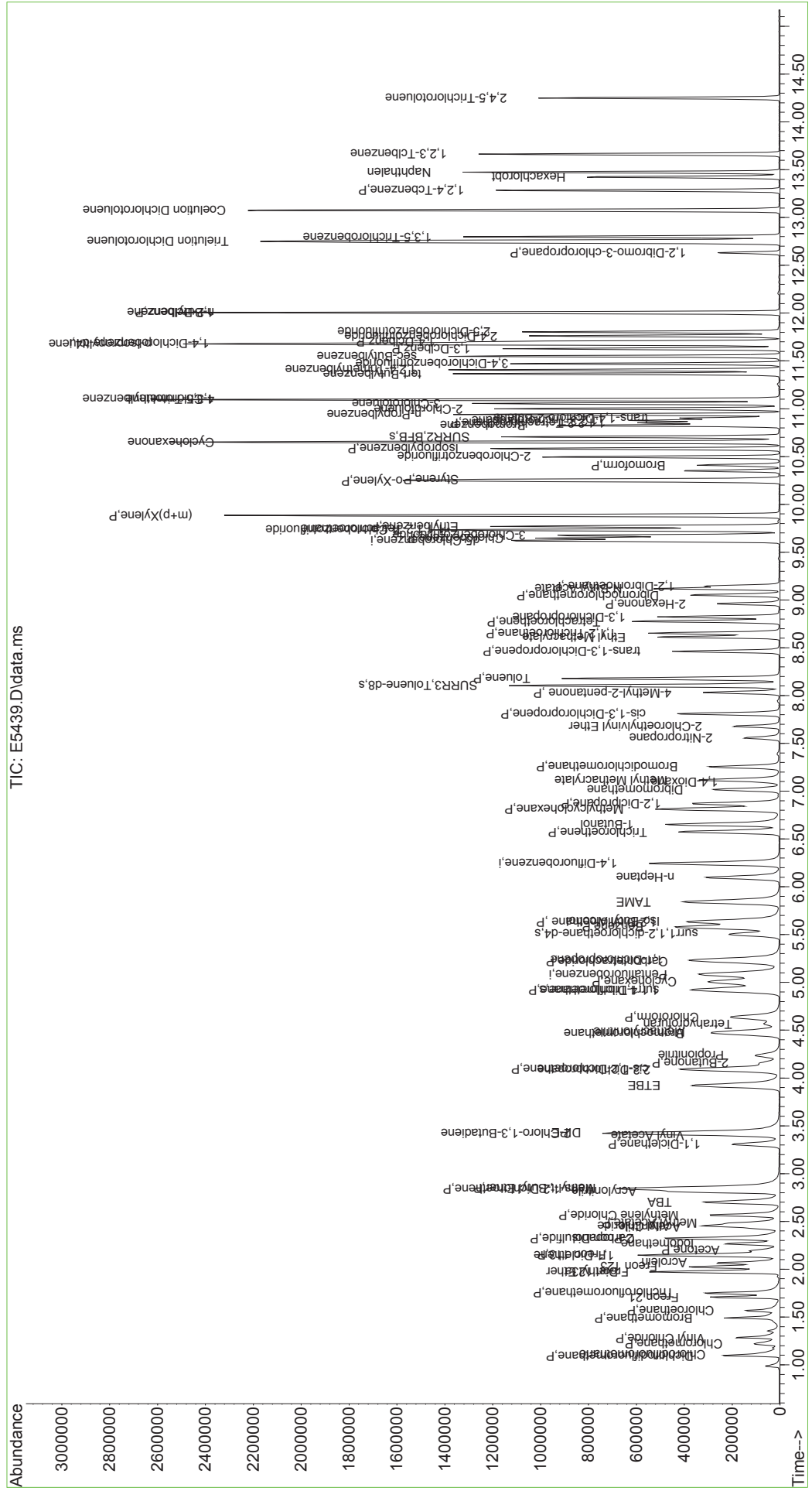
Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 104) p-Isopropyltoluene | 11.677 | 119 | 647376 | 39.689 | ug/L | 98 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 370096 | 40.646 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 375482 | 40.292 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 201374 | 45.454 | ug/L | 99 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 230746 | 47.013 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 566118 | 40.392 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 373641 | 41.898 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 56755 | 38.784 | ug/L | 99 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 1027956 | 134.963 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 312183 | 46.648 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 739898 | 91.907 | ug/L | 92 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 297953 | 44.151 | ug/L | 99 |
| 116) Hexachlorobt | 13.426 | 225 | 124781 | 41.051 | ug/L | 97 |
| 117) Naphthalen | 13.475 | 128 | 772919 | 46.182 | ug/L | 100 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 299343 | 45.780 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 201627 | 47.328 | ug/L | 98 |

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

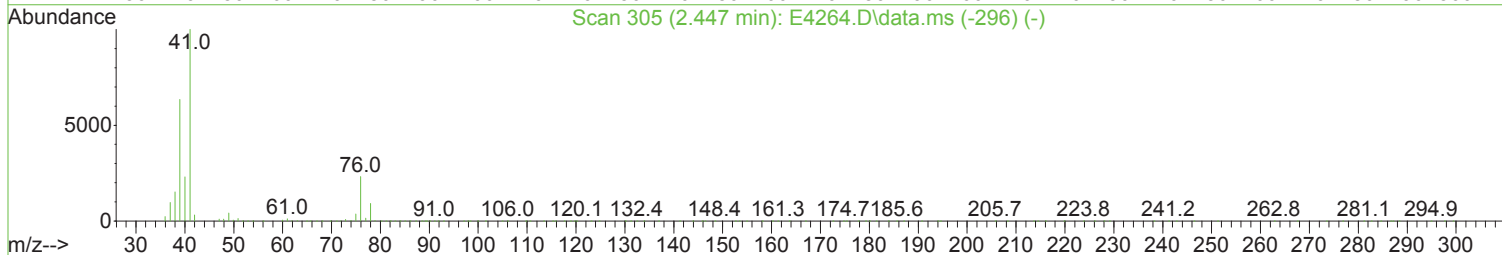
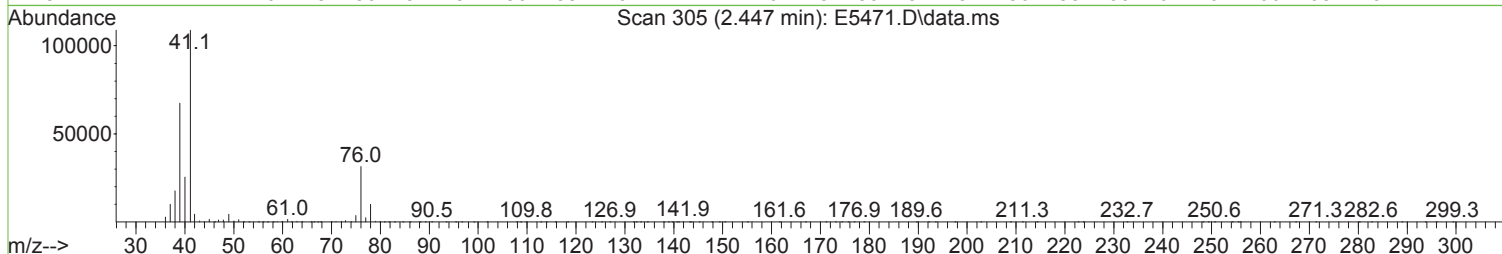
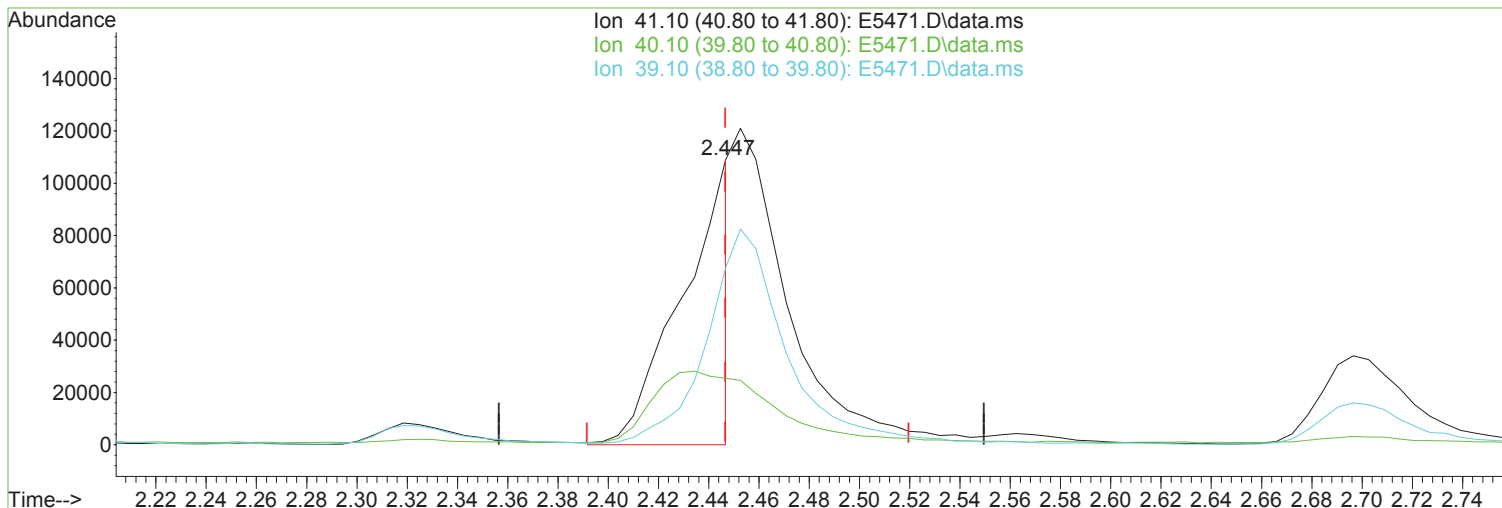
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 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5471.D
Acq On : 14 Sep 2023 12:05 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

2.447min (-0.000) 222.23 ug/L m

response 146735

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 23.44 |
| 39.10 | 63.60 | 61.97 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

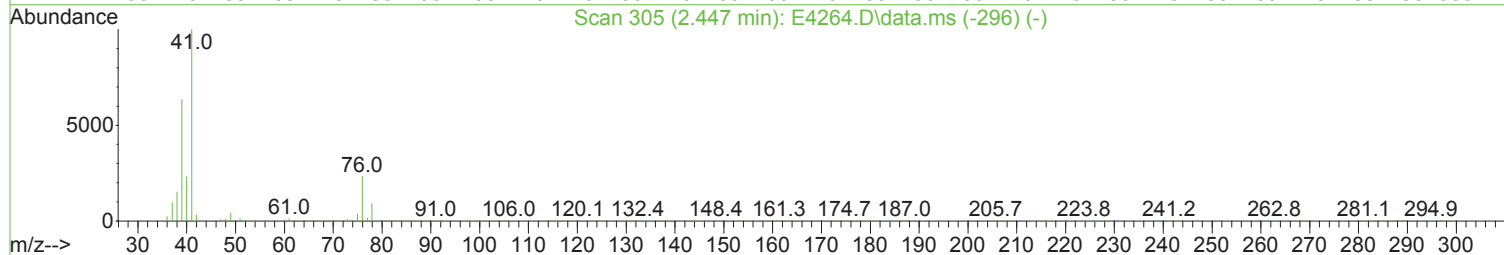
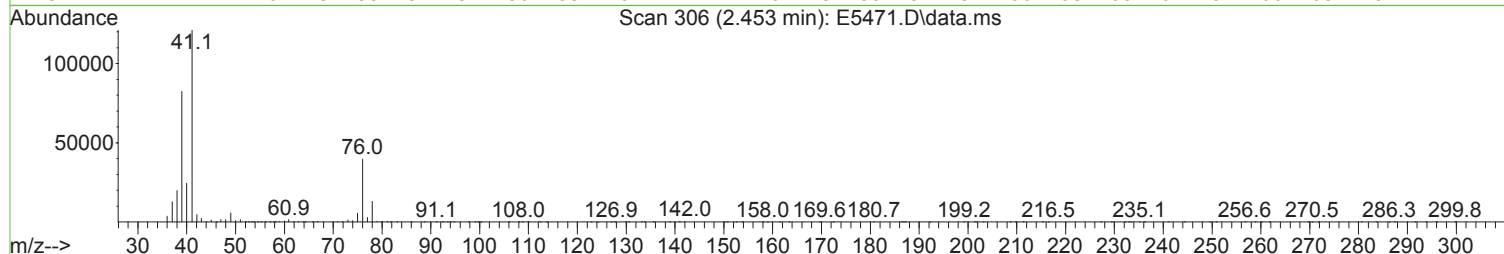
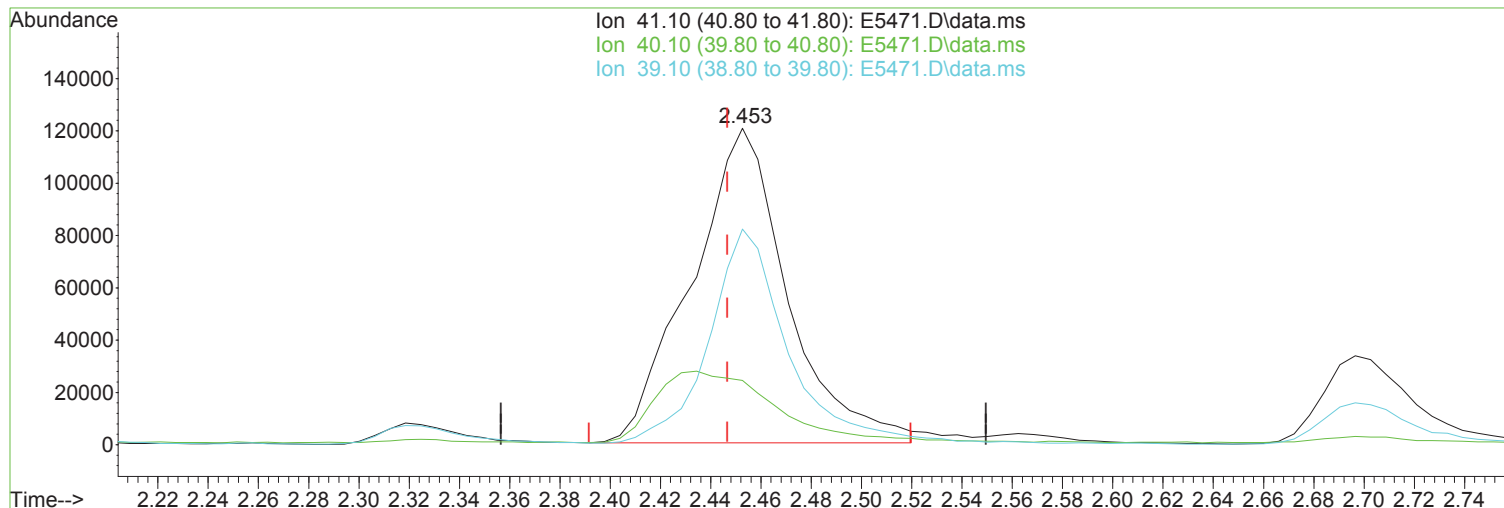
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

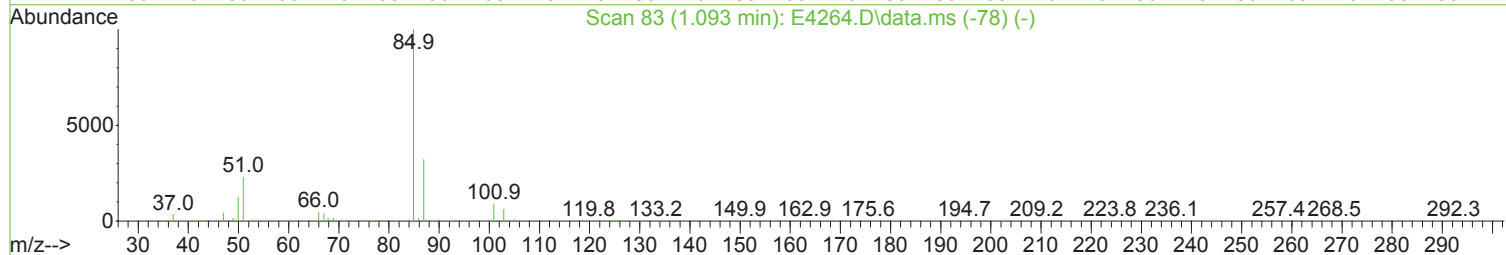
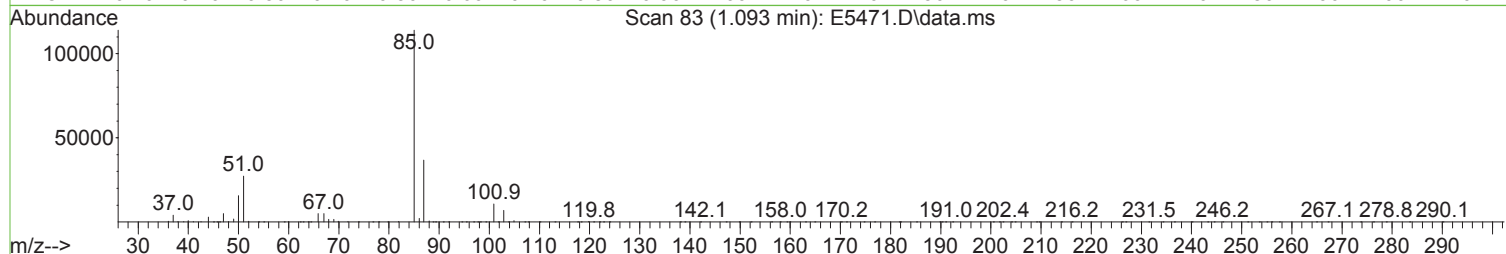
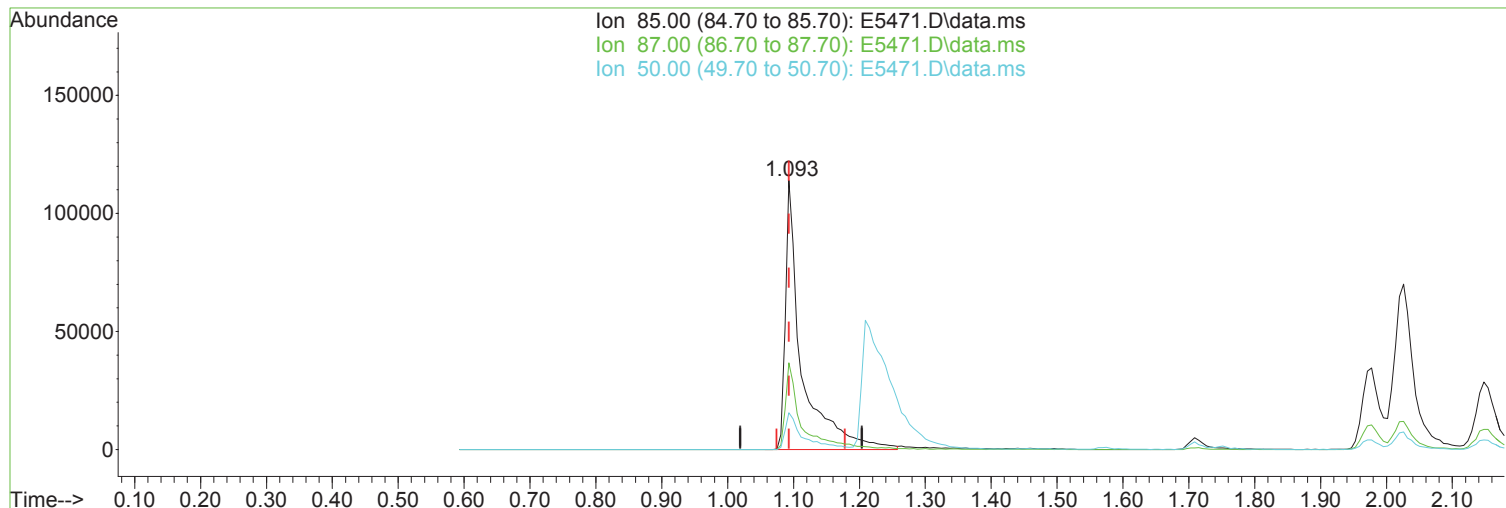


TIC: E5471.D\data.ms

| (20) Acetonitrile | | | Manual Integration: |
|--------------------|-------------|--------|---------------------|
| 2.453min (+ 0.006) | 483.62 ug/L | | Before |
| response | 319336 | | |
| Ion | Exp% | Act% | 09/14/23 |
| 41.10 | 100.00 | 100.00 | |
| 40.10 | 23.00 | 20.29 | |
| 39.10 | 63.60 | 68.09 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5471.D
Acq On : 14 Sep 2023 12:05 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 40.94 ug/L m

After

response 195598

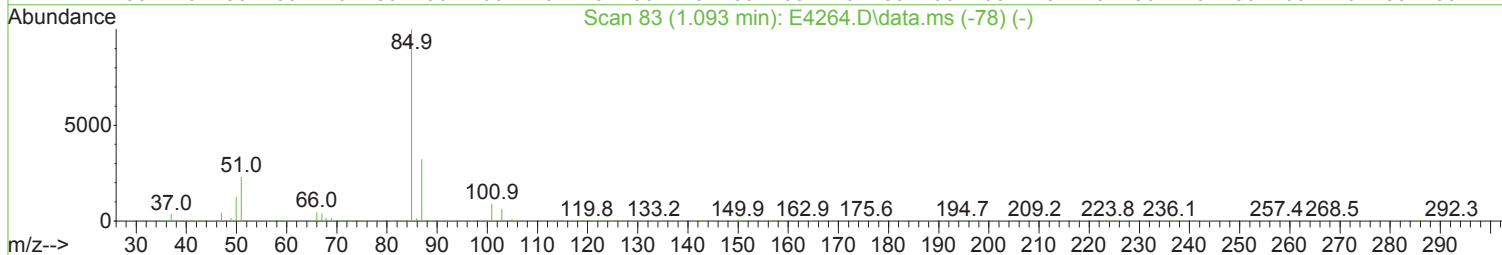
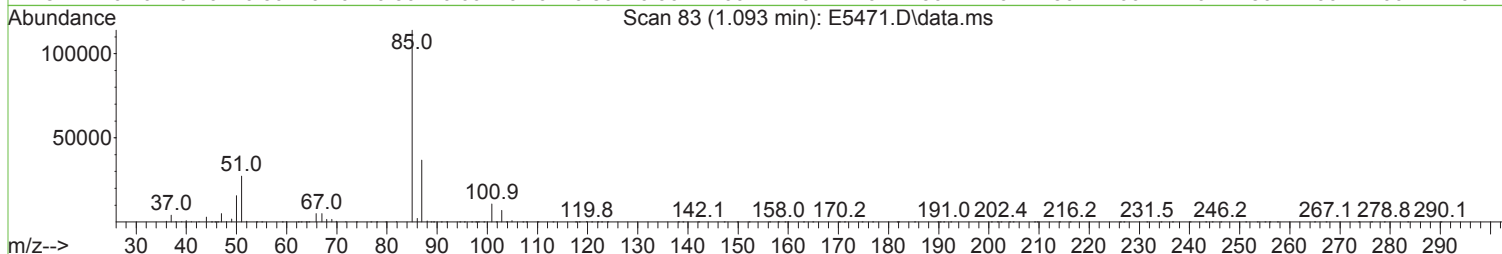
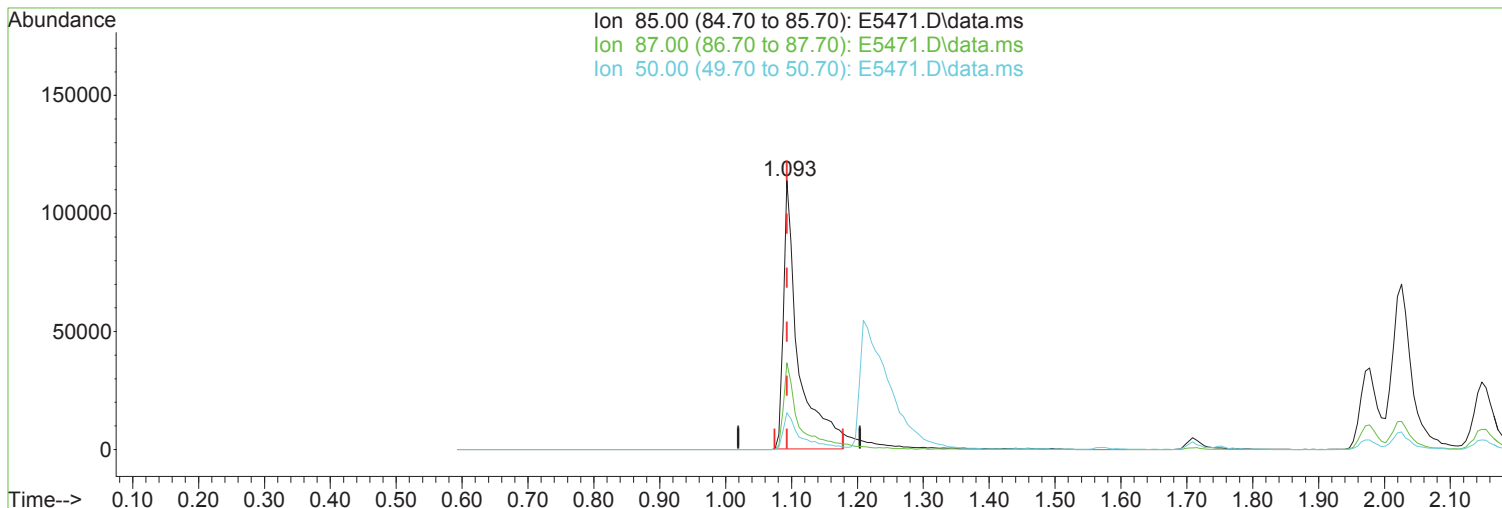
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.27 |
| 50.00 | 12.60 | 13.64 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5471.D
Acq On : 14 Sep 2023 12:05 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 37.57 ug/L

Before

response 179494

| Ion | Exp% | Act% | 09/14/23 |
|-------|--------|--------|----------|
| 85.00 | 100.00 | 100.00 | |
| 87.00 | 32.10 | 32.27 | |
| 50.00 | 12.60 | 13.64 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 2 | Chlorodifluoromethane | 50.000 | 33.074 | 33.9# | 83 | 0.00 |
| 3 P | Dichlorodifluoromethane | 50.000 | 40.942 | 18.1 | 96 | 0.00 |
| 4 P | Chloromethane | 50.000 | 44.763 | 10.5 | 109 | -0.02 |
| 5 P | Vinyl Chloride | 50.000 | 42.502 | 15.0 | 102 | 0.00 |
| 6 P | Bromomethane | 50.000 | 41.245 | 17.5 | 95 | 0.00 |
| 7 P | Chloroethane | 50.000 | 38.785 | 22.4# | 94 | 0.00 |
| 8 | Freon 21 | 50.000 | 42.079 | 15.8 | 104 | 0.00 |
| 9 P | Trichlorofluoromethane | 50.000 | 42.885 | 14.2 | 101 | 0.00 |
| 10 | Diethyl Ether | 50.000 | 46.448 | 7.1 | 107 | 0.00 |
| 11 | Freon 123a | 50.000 | 42.636 | 14.7 | 112 | 0.00 |
| 12 | Freon 123 | 50.000 | 45.165 | 9.7 | 112 | 0.00 |
| 13 | Acrolein | 250.000 | 303.373 | -21.3# | 143 | 0.00 |
| 14 | 1,1-Dicethene | 50.000 | 43.230 | 13.5 | 106 | 0.00 |
| 15 P | Freon 113 | 50.000 | 42.675 | 14.7 | 104 | 0.00 |
| 16 P | Acetone | 50.000 | 37.884 | 24.2# | 90 | 0.00 |
| 17 | 2-Propanol | 1000.000 | 759.560 | 24.0# | 88 | 0.00 |
| 18 | Iodomethane | 50.000 | 48.862 | 2.3 | 101 | 0.00 |
| 19 P | Carbon Disulfide | 50.000 | 40.240 | 19.5 | 91 | 0.00 |
| 20 | Acetonitrile | 250.000 | 222.226 | 11.1 | 102 | 0.00 |
| 21 | Allyl Chloride | 50.000 | 45.293 | 9.4 | 105 | 0.00 |
| 22 P | Methyl Acetate | 50.000 | 42.200 | 15.6 | 99 | 0.00 |
| 23 P | Methylene Chloride | 50.000 | 44.752 | 10.5 | 111 | 0.00 |
| 24 | TBA | 1000.000 | 723.557 | 27.6# | 85 | 0.00 |
| 25 | Acrylonitrile | 250.000 | 227.744 | 8.9 | 105 | 0.00 |
| 26 P | Methyl-t-Butyl Ether | 50.000 | 43.966 | 12.1 | 103 | 0.00 |
| 27 P | trans-1,2-Dichloroethene | 50.000 | 43.344 | 13.3 | 108 | 0.00 |
| 28 P | 1,1-Dicethane | 50.000 | 46.991 | 6.0 | 109 | 0.00 |
| 29 | Vinyl Acetate | 50.000 | 43.637 | 12.7 | 102 | 0.00 |
| 30 | DIPE | 50.000 | 44.566 | 10.9 | 103 | 0.00 |
| 31 | 2-Chloro-1,3-Butadiene | 50.000 | 42.505 | 15.0 | 96 | 0.00 |
| 32 | ETBE | 50.000 | 42.441 | 15.1 | 99 | 0.00 |
| 33 | 2,2-Dichloropropane | 50.000 | 40.201 | 19.6 | 96 | 0.00 |
| 34 P | cis-1,2-Dichloroethene | 50.000 | 44.311 | 11.4 | 107 | 0.00 |
| 35 P | 2-Butanone | 50.000 | 42.623 | 14.8 | 97 | 0.00 |
| 36 | Propionitrile | 250.000 | 217.678 | 12.9 | 104 | 0.00 |
| 37 | Bromochloromethane | 50.000 | 46.205 | 7.6 | 107 | 0.00 |
| 38 | Methacrylonitrile | 50.000 | 44.879 | 10.2 | 101 | 0.00 |
| 39 | Tetrahydrofuran | 50.000 | 41.020 | 18.0 | 98 | 0.00 |
| 40 P | Chloroform | 50.000 | 42.982 | 14.0 | 106 | 0.00 |
| 41 P | 1,1,1-Trichloroethane | 50.000 | 40.624 | 18.8 | 97 | 0.00 |
| 42 | TAME | 50.000 | 42.411 | 15.2 | 97 | 0.00 |
| 43 i | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 44 P | Cyclohexane | 50.000 | 43.752 | 12.5 | 106 | 0.00 |
| 45 s | surr4,Dibrflmethane | 50.000 | 48.846 | 2.3 | 103 | 0.00 |
| 46 P | Carbontetrachloride | 50.000 | 41.629 | 16.7 | 93 | 0.00 |
| 47 | 1,1-Dichloropropene | 50.000 | 44.757 | 10.5 | 106 | 0.00 |
| 48 s | surr1,1,2-dichloroethane-d4 | 50.000 | 48.469 | 3.1 | 102 | 0.00 |
| 49 P | Benzene | 50.000 | 47.467 | 5.1 | 110 | 0.00 |
| 50 P | 1,2-Dichloroethane | 50.000 | 45.665 | 8.7 | 106 | 0.00 |
| 51 | Iso-Butyl Alcohol | 1000.000 | 832.031 | 16.8 | 94 | 0.00 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 40.925 | 18.2 | 102 | 0.00 |
| 53 | 1-Butanol | 2500.000 | 2007.235 | 19.7 | 87 | 0.00 |
| 54 P | Trichloroethene | 50.000 | 44.677 | 10.6 | 106 | 0.00 |
| 55 P | Methylcyclohexane | 50.000 | 44.013 | 12.0 | 110 | 0.00 |
| 56 P | 1,2-Diclorpropane | 50.000 | 47.617 | 4.8 | 111 | 0.00 |
| 57 | Dibromomethane | 50.000 | 45.444 | 9.1 | 104 | 0.00 |
| 58 | 1,4-Dioxane | 1000.000 | 854.738 | 14.5 | 98 | 0.00 |
| 59 | Methyl Methacrylate | 50.000 | 44.003 | 12.0 | 102 | 0.00 |
| 60 P | Bromodichloromethane | 50.000 | 40.907 | 18.2 | 96 | 0.00 |
| 61 | 2-Nitropropane | 100.000 | 67.665 | 32.3# | 77 | 0.00 |
| 62 | 2-Chloroethylvinyl Ether | 50.000 | 46.975 | 6.0 | 103 | 0.00 |
| 63 P | cis-1,3-Dichloropropene | 50.000 | 44.276 | 11.4 | 102 | 0.00 |
| 64 P | 4-Methyl-2-pentanone | 50.000 | 44.346 | 11.3 | 100 | 0.00 |
| 65 s | SURR3,Toluene-d8 | 50.000 | 50.622 | -1.2 | 108 | 0.00 |
| 66 P | Toluene | 50.000 | 46.166 | 7.7 | 107 | 0.00 |
| 67 P | trans-1,3-Dichloropropene | 50.000 | 43.467 | 13.1 | 97 | 0.00 |
| 68 | Ethyl Methacrylate | 50.000 | 45.754 | 8.5 | 102 | 0.00 |
| 69 P | 1,1,2-Trichloroethane | 50.000 | 45.546 | 8.9 | 105 | 0.00 |
| 70 s | SURR2,BFB | 50.000 | 47.053 | 5.9 | 102 | 0.00 |
| 71 i | d5-Chlorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 72 P | Tetrachloroethene | 50.000 | 44.938 | 10.1 | 107 | 0.00 |
| 73 P | 2-Hexanone | 50.000 | 43.356 | 13.3 | 97 | 0.00 |
| 74 | 1,3-Dichloropropene | 50.000 | 48.187 | 3.6 | 110 | 0.00 |
| 75 P | Dibromochloromethane | 50.000 | 42.173 | 15.7 | 93 | 0.00 |
| 76 | N-Butyl Acetate | 50.000 | 44.122 | 11.8 | 97 | 0.00 |
| 77 P | 1,2-Dibromoethane | 50.000 | 45.669 | 8.7 | 103 | 0.00 |
| 78 | 3-Chlorobenzotrifluoride | 50.000 | 45.273 | 9.5 | 103 | 0.00 |
| 79 P | Chlorobenzene | 50.000 | 46.280 | 7.4 | 107 | 0.00 |
| 80 | 4-Chlorobenzotrifluoride | 50.000 | 45.099 | 9.8 | 104 | 0.00 |
| 81 | 1,1,1,2-Tetrachloroethane | 50.000 | 42.990 | 14.0 | 98 | 0.00 |
| 82 P | Ethylbenzene | 50.000 | 44.866 | 10.3 | 104 | 0.00 |
| 83 P | (m+p)Xylene | 100.000 | 89.940 | 10.1 | 104 | 0.00 |
| 84 P | o-Xylene | 50.000 | 45.136 | 9.7 | 106 | 0.00 |
| 85 P | Styrene | 50.000 | 45.384 | 9.2 | 103 | 0.00 |
| 86 P | Bromoform | 50.000 | 39.211 | 21.6# | 85 | 0.00 |
| 87 | 2-Chlorobenzotrifluoride | 50.000 | 45.069 | 9.9 | 102 | 0.00 |
| 88 P | Isopropylbenzene | 50.000 | 44.726 | 10.5 | 104 | 0.00 |
| 89 | Cyclohexanone | 1000.000 | 824.474 | 17.6 | 93 | 0.00 |
| 90 | trans-1,4-Dichloro-2-Butene | 50.000 | 41.369 | 17.3 | 93 | 0.00 |
| 91 i | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 92 P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.257 | 5.5 | 104 | 0.00 |
| 93 | Bromobenzene | 50.000 | 46.434 | 7.1 | 104 | 0.00 |
| 94 | 1,2,3-Trichloropropene | 50.000 | 44.429 | 11.1 | 101 | 0.00 |
| 95 | n-Propylbenzene | 50.000 | 46.176 | 7.6 | 104 | 0.00 |
| 96 | 2-Chlorotoluene | 50.000 | 46.079 | 7.8 | 105 | 0.00 |
| 97 | 3-Chlorotoluene | 50.000 | 43.238 | 13.5 | 97 | 0.00 |
| 98 | 4-Chlorotoluene | 50.000 | 44.601 | 10.8 | 102 | 0.00 |
| 99 | 1,3,5-Trimethylbenzene | 50.000 | 44.521 | 11.0 | 101 | 0.00 |
| 100 | tert-Butylbenzene | 50.000 | 44.969 | 10.1 | 104 | 0.00 |
| 101 | 1,2,4-Trimethylbenzene | 50.000 | 45.189 | 9.6 | 102 | 0.00 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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-Dichlorobenzotrifluorid | 50.000 | 47.682 | 4.6 | 105 | 0.00 |
| 103 | sec-Butylbenzene | 50.000 | 45.289 | 9.4 | 105 | 0.00 |
| 104 | p-Isopropyltoluene | 50.000 | 46.666 | 6.7 | 105 | 0.00 |
| 105 P | 1,3-Dclbenz | 50.000 | 45.633 | 8.7 | 104 | 0.00 |
| 106 P | 1,4-Dclbenz | 50.000 | 45.522 | 9.0 | 103 | 0.00 |
| 107 | 2,4-Dichlorobenzotrifluorid | 50.000 | 47.621 | 4.8 | 103 | 0.00 |
| 108 | 2,5-Dichlorobenzotrifluorid | 50.000 | 48.472 | 3.1 | 105 | 0.00 |
| 109 | n-Butylbenzene | 50.000 | 47.137 | 5.7 | 103 | 0.00 |
| 110 P | 1,2-Dclbenz | 50.000 | 47.147 | 5.7 | 105 | 0.00 |
| 111 P | 1,2-Dibromo-3-chloropropane | 50.000 | 40.366 | 19.3 | 85 | 0.00 |
| 112 | Trielution Dichlorotoluene | 150.000 | 135.801 | 9.5 | 98 | 0.00 |
| 113 | 1,3,5-Trichlorobenzene | 50.000 | 47.064 | 5.9 | 101 | 0.00 |
| 114 | Coelution Dichlorotoluene | 100.000 | 91.451 | 8.5 | 96 | 0.00 |
| 115 P | 1,2,4-Tcbenzene | 50.000 | 49.399 | 1.2 | 107 | 0.00 |
| 116 | Hexachlorobt | 50.000 | 48.865 | 2.3 | 108 | 0.00 |
| 117 | Naphthalen | 50.000 | 50.337 | -0.7 | 104 | 0.00 |
| 118 | 1,2,3-Tclbenzene | 50.000 | 50.986 | -2.0 | 108 | 0.00 |
| 119 | 2,4,5-Trichlorotoluene | 50.000 | 48.822 | 2.4 | 100 | 0.00 |
| 120 | 2,3,6-Trichlorotoluene | 50.000 | 46.671 | 6.7 | 91 | 0.00 |

(#) = Out of Range

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|------------------------------------|--------|----------|----------|----------|-------|-----------|--------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.080 | 168 | 416119 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 587894 | 50.00 | ug/L | 0.00 | |
| 71) d5-Chlorobenzene | 9.622 | 117 | 528981 | 50.00 | ug/L | 0.00 | |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 277679 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 189899 | 48.85 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 97.70% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 215919 | 48.47 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 96.94% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 715895 | 50.62 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 101.24% | |
| 70) SURR2,BFB | 10.707 | 95 | 253538 | 47.05 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 94.10% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 126481 | 33.074 | ug/L | | 100 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 195598m | 40.942 | ug/L | | |
| 4) Chloromethane | 1.209 | 50 | 163837 | 44.763 | ug/L | | 93 |
| 5) Vinyl Chloride | 1.282 | 62 | 194964 | 42.502 | ug/L | | 96 |
| 6) Bromomethane | 1.496 | 94 | 130327 | 41.245 | ug/L | | 100 |
| 7) Chloroethane | 1.569 | 64 | 117721 | 38.785 | ug/L | | 97 |
| 8) Freon 21 | 1.709 | 67 | 258062 | 42.079 | ug/L | | 98 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 247830 | 42.885 | ug/L | | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 132123 | 46.448 | ug/L | | 98 |
| 11) Freon 123a | 1.971 | 67 | 155511 | 42.636 | ug/L | | 91 |
| 12) Freon 123 | 2.026 | 83 | 205114 | 45.165 | ug/L | | 98 |
| 13) Acrolein | 2.062 | 56 | 188631 | 303.373 | ug/L | | 99 |
| 14) 1,1-Dicethene | 2.142 | 96 | 136429 | 43.230 | ug/L | | 98 |
| 15) Freon 113 | 2.148 | 101 | 147623 | 42.675 | ug/L | | 100 |
| 16) Acetone | 2.191 | 43 | 73138 | 37.884 | ug/L | | 94 |
| 17) 2-Propanol | 2.319 | 45 | 240762 | 759.560 | ug/L | | 96 |
| 18) Iodomethane | 2.264 | 142 | 237654 | 48.862 | ug/L | | 95 |
| 19) Carbon Disulfide | 2.319 | 76 | 377185 | 40.240 | ug/L | | 98 |
| 20) Acetonitrile | 2.447 | 41 | 146735m | 222.226 | ug/L | | |
| 21) Allyl Chloride | 2.453 | 76 | 80991 | 45.293 | ug/L | | 96 |
| 22) Methyl Acetate | 2.483 | 43 | 184396 | 42.200 | ug/L | | 98 |
| 23) Methylene Chloride | 2.562 | 84 | 157511 | 44.752 | ug/L | | 100 |
| 24) TBA | 2.696 | 59 | 402066 | 723.557 | ug/L | | 94 |
| 25) Acrylonitrile | 2.812 | 53 | 371646 | 227.744 | ug/L | | 98 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 492753 | 43.966 | ug/L | | 100 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 155117 | 43.344 | ug/L | | 99 |
| 28) 1,1-Dicethane | 3.306 | 63 | 267035 | 46.991 | ug/L | | 97 |
| 29) Vinyl Acetate | 3.398 | 86 | 23573 | 43.637 | ug/L | | 96 |
| 30) DIPE | 3.422 | 45 | 457866 | 44.566 | ug/L | | 95 |
| 31) 2-Chloro-1,3-Butadiene | 3.416 | 53 | 230226 | 42.505 | ug/L | | 96 |
| 32) ETBE | 3.922 | 59 | 452593 | 42.441 | ug/L | | 99 |
| 33) 2,2-Dichloropropane | 4.080 | 77 | 223990 | 40.201 | ug/L | | 98 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 173846 | 44.311 | ug/L | | 95 |
| 35) 2-Butanone | 4.154 | 43 | 97228 | 42.623 | ug/L | | 98 |
| 36) Propionitrile | 4.233 | 54 | 148275 | 217.678 | ug/L | | 99 |
| 37) Bromochloromethane | 4.464 | 130 | 118787 | 46.205 | ug/L | | 96 |
| 38) Methacrylonitrile | 4.483 | 67 | 81164 | 44.879 | ug/L | | 97 |
| 39) Tetrahydrofuran | 4.562 | 42 | 56670 | 41.020 | ug/L | | 100 |
| 40) Chloroform | 4.635 | 83 | 276841 | 42.982 | ug/L | | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|----------|-------|----------|
| 41) 1,1,1-Trichloroethane | 4.916 | 97 | 237866 | 40.624 | ug/L | 98 |
| 42) TAME | 5.842 | 73 | 441506 | 42.411 | ug/L | 97 |
| 44) Cyclohexane | 5.007 | 41 | 137912 | 43.752 | ug/L | 98 |
| 46) Carbontetrachloride | 5.214 | 117 | 203272 | 41.629 | ug/L | 98 |
| 47) 1,1-Dichloropropene | 5.233 | 75 | 199947 | 44.757 | ug/L | 98 |
| 49) Benzene | 5.574 | 78 | 606016 | 47.467 | ug/L | 100 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 228050 | 45.665 | ug/L | 98 |
| 51) Iso-Butyl Alcohol | 5.635 | 43 | 175825 | 832.031 | ug/L | 100 |
| 52) n-Heptane | 6.092 | 43 | 187544 | 40.925 | ug/L | 97 |
| 53) 1-Butanol | 6.647 | 56 | 267445 | 2007.235 | ug/L | 96 |
| 54) Trichloroethene | 6.574 | 130 | 176850 | 44.677 | ug/L | 98 |
| 55) Methylcyclohexane | 6.812 | 55 | 193557 | 44.013 | ug/L | 98 |
| 56) 1,2-Diclpropane | 6.866 | 63 | 157727 | 47.617 | ug/L | 98 |
| 57) Dibromomethane | 7.013 | 93 | 110548 | 45.444 | ug/L | 91 |
| 58) 1,4-Dioxane | 7.098 | 88 | 52597 | 854.738 | ug/L | 96 |
| 59) Methyl Methacrylate | 7.116 | 69 | 132383 | 44.003 | ug/L | 98 |
| 60) Bromodichloromethane | 7.251 | 83 | 208997 | 40.907 | ug/L | 99 |
| 61) 2-Nitropropane | 7.555 | 41 | 87827 | 67.665 | ug/L | 91 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 99702 | 46.975 | ug/L | 96 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 252453 | 44.276 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 187482 | 44.346 | ug/L | 98 |
| 66) Toluene | 8.177 | 91 | 671136 | 46.166 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 229274 | 43.467 | ug/L | 99 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 240820 | 45.754 | ug/L | 97 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 158467 | 45.546 | ug/L | 97 |
| 72) Tetrachloroethene | 8.775 | 164 | 144284 | 44.938 | ug/L | 98 |
| 73) 2-Hexanone | 8.958 | 43 | 136963 | 43.356 | ug/L | 98 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 273762 | 48.187 | ug/L | 98 |
| 75) Dibromochloromethane | 9.049 | 129 | 177392 | 42.173 | ug/L | 100 |
| 76) N-Butyl Acetate | 9.116 | 43 | 277412 | 44.122 | ug/L | 98 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 172124 | 45.669 | ug/L | 98 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 264065 | 45.273 | ug/L | 97 |
| 79) Chlorobenzene | 9.646 | 112 | 456758 | 46.280 | ug/L | 100 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 236743 | 45.099 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 169307 | 42.990 | ug/L | 98 |
| 82) Ethylbenzene | 9.768 | 106 | 230585 | 44.866 | ug/L | 98 |
| 83) (m+p)Xylene | 9.884 | 106 | 577433 | 89.940 | ug/L | 98 |
| 84) o-Xylene | 10.244 | 106 | 284623 | 45.136 | ug/L | 95 |
| 85) Styrene | 10.256 | 104 | 485086 | 45.384 | ug/L | 98 |
| 86) Bromoform | 10.409 | 173 | 125349 | 39.211 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 256861 | 45.069 | ug/L | 97 |
| 88) Isopropylbenzene | 10.585 | 105 | 694423 | 44.726 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 646862 | 824.474 | ug/L | 100 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 63243 | 41.369 | ug/L | 92 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 232888 | 47.257 | ug/L | 99 |
| 93) Bromobenzene | 10.823 | 156 | 216841 | 46.434 | ug/L | 98 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 75758 | 44.429 | ug/L | 95 |
| 95) n-Propylbenzene | 10.939 | 91 | 850703 | 46.176 | ug/L | 100 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 514226 | 46.079 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 494042 | 43.238 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 606458 | 44.601 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 632590 | 44.521 | ug/L | 97 |
| 100) tert-Butylbenzene | 11.366 | 119 | 543244 | 44.969 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 618432 | 45.189 | ug/L | 100 |
| 102) 3,4-Dichlorobenzotrifl... | 11.475 | 214 | 219379 | 47.682 | ug/L | 96 |
| 103) sec-Butylbenzene | 11.549 | 105 | 782345 | 45.289 | ug/L | 99 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

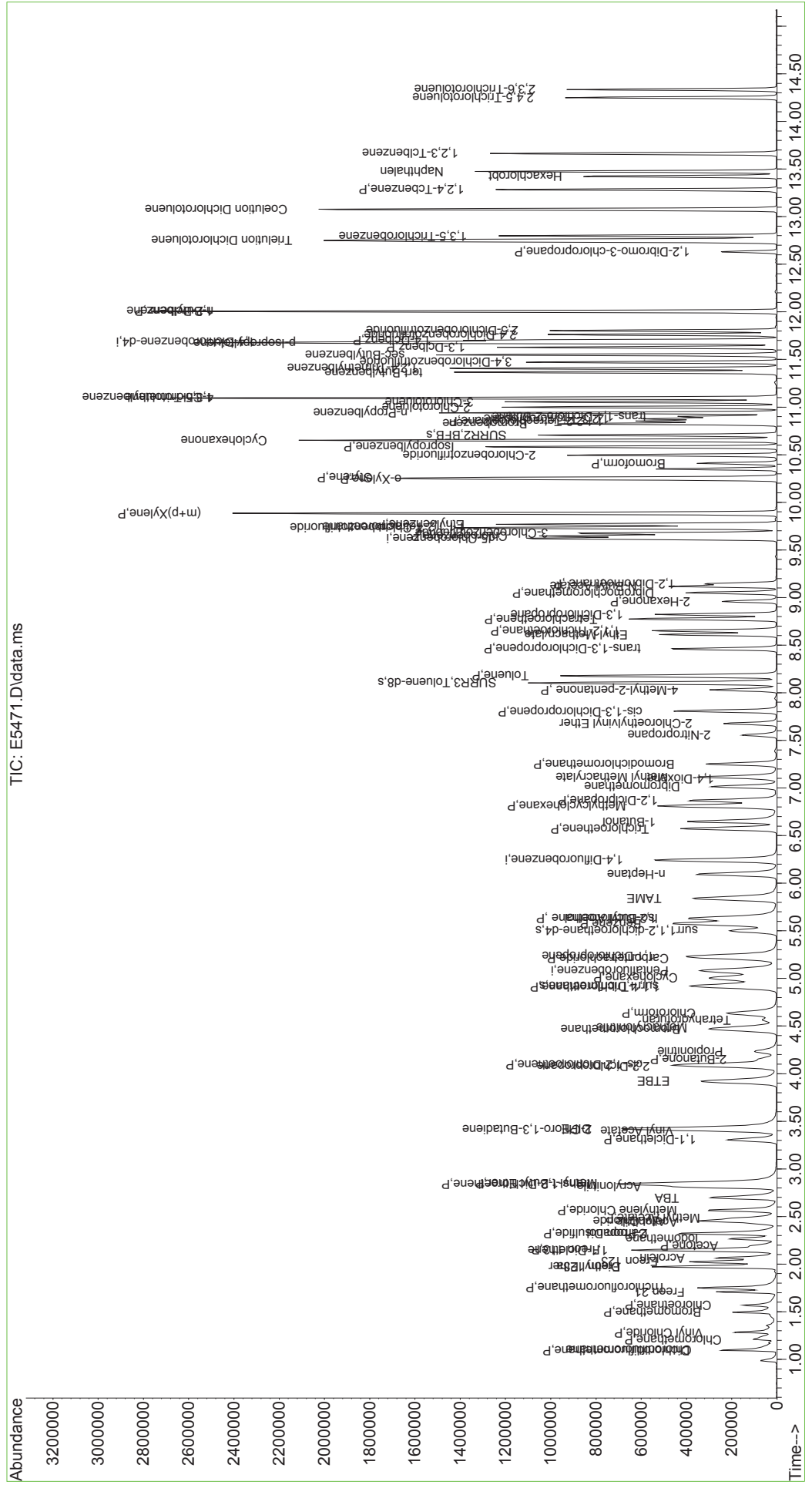
Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 104) p-Isopropyltoluene | 11.671 | 119 | 707829 | 46.666 | ug/L | 98 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 386387 | 45.633 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 394487 | 45.522 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 196188 | 47.621 | ug/L | 98 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 221232 | 48.472 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 614361 | 47.137 | ug/L | 100 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 390986 | 47.147 | ug/L | 100 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 54931 | 40.366 | ug/L | 97 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 961847 | 135.801 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 292896 | 47.064 | ug/L | 97 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 684634 | 91.451 | ug/L | 93 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 310008 | 49.399 | ug/L | 100 |
| 116) Hexachlorobt | 13.426 | 225 | 138123 | 48.865 | ug/L | 98 |
| 117) Naphthalen | 13.475 | 128 | 783432 | 50.337 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 310018 | 50.986 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 193415 | 48.822 | ug/L | 97 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 172744 | 46.671 | ug/L | 97 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

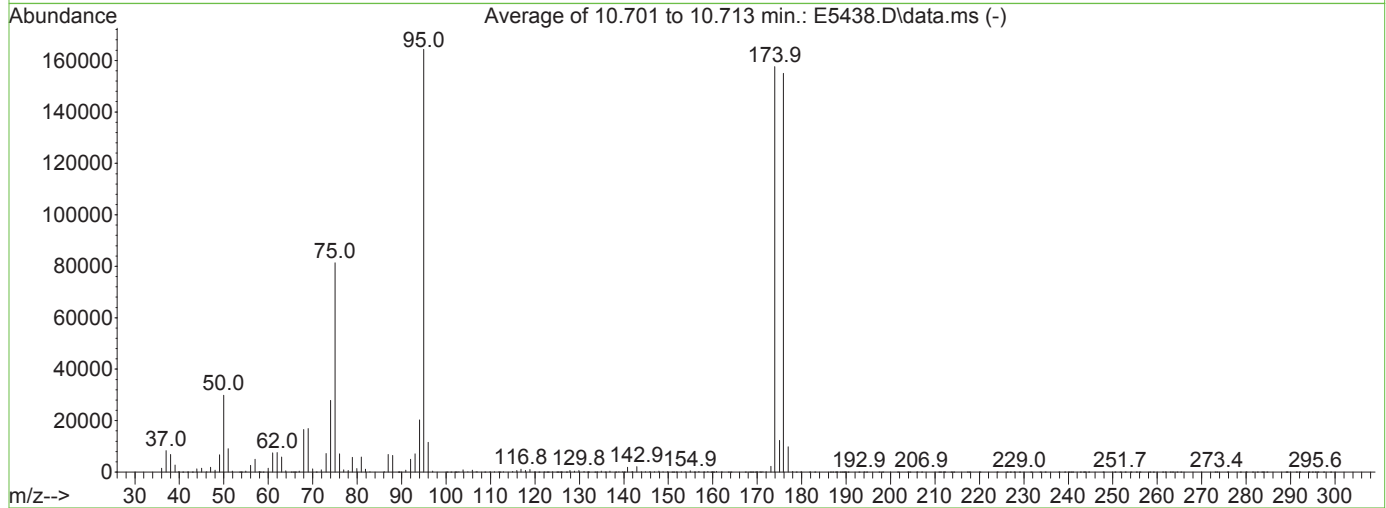
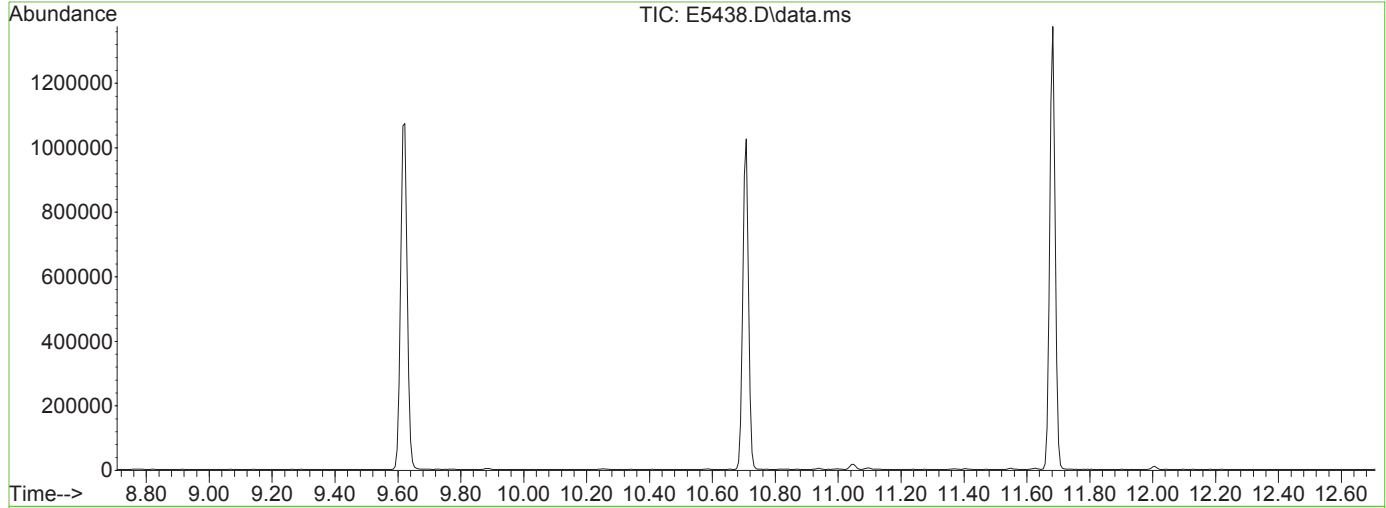
Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5438.D
 Acq On : 13 Sep 2023 10:47 pm
 Operator : K.Ruest
 Sample : TUNE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Title : MS#17 - 8260 WATERS 5mL Purge
 Last Update : Sat Aug 05 10:36:43 2023



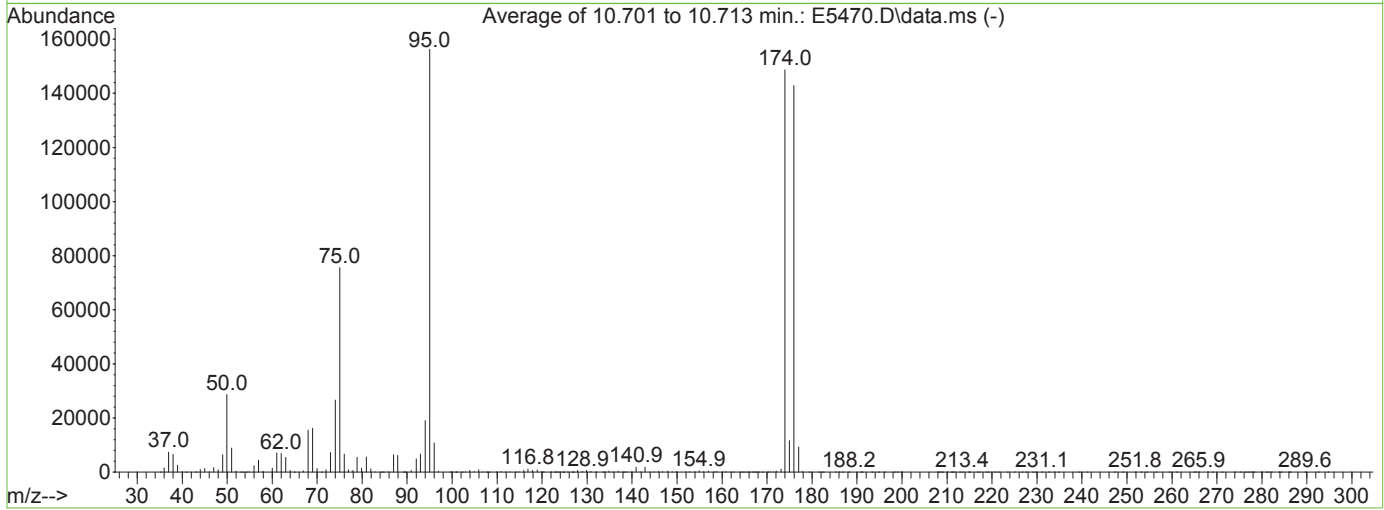
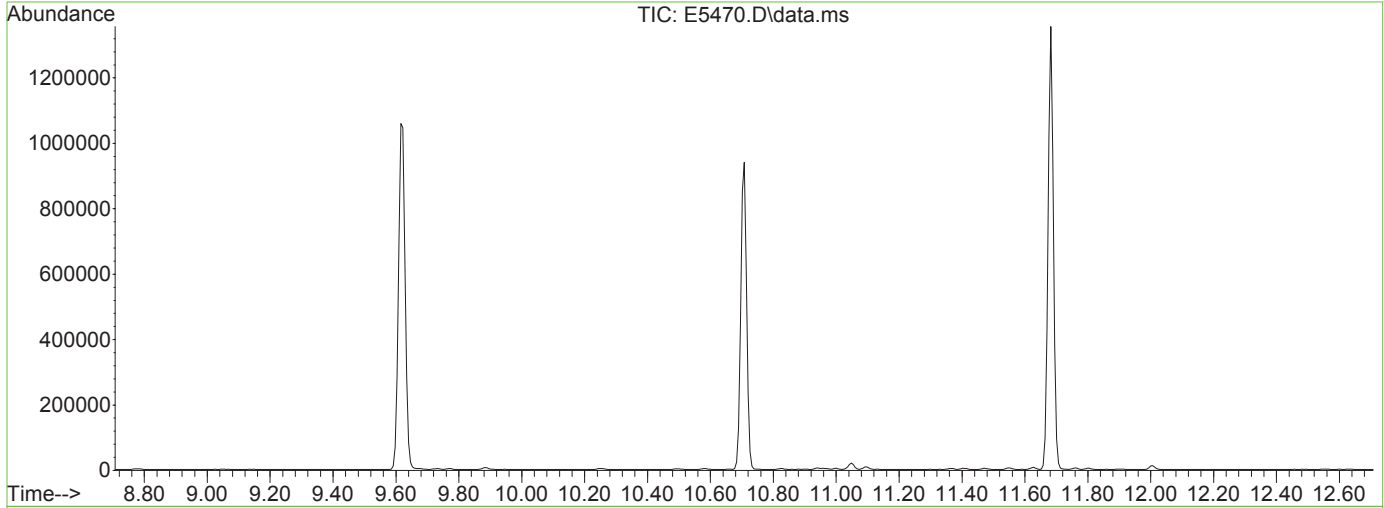
AutoFind: Scans 1659, 1660, 1661; Background Corrected with Scan 1653

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.2 | 29882 | PASS |
| 75 | 95 | 30 | 60 | 49.5 | 81416 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 164321 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 11577 | PASS |
| 173 | 174 | 0.00 | 2 | 1.4 | 2194 | PASS |
| 174 | 95 | 50 | 120 | 95.9 | 157577 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 12354 | PASS |
| 176 | 174 | 95 | 101 | 98.3 | 154944 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 9842 | PASS |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5470.D
 Acq On : 14 Sep 2023 11:30 am
 Operator : K.Ruest
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Title : MS#17 - 8260 WATERS 5mL Purge
 Last Update : Sat Aug 05 10:36:43 2023



AutoFind: Scans 1659, 1660, 1661; Background Corrected with Scan 1653

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.3 | 28644 | PASS |
| 75 | 95 | 30 | 60 | 48.4 | 75555 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 156256 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 10739 | PASS |
| 173 | 174 | 0.00 | 2 | 0.8 | 1126 | PASS |
| 174 | 95 | 50 | 120 | 95.1 | 148653 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 11636 | PASS |
| 176 | 174 | 95 | 101 | 96.2 | 142939 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 9202 | PASS |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4271.D
 Acq On : 04 Aug 2023 09:00 pm
 Operator : K.Ruest
 Sample : ICV-50
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 381021 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 546825 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 501709 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 279502 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.928 | 113 | 184650 | 51.06 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 102.12% |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 210041 | 50.69 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 101.38% |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 662527 | 50.37 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 100.74% |
| 70) SURR2,BFB | 10.707 | 95 | 253463 | 50.57 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 101.14% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.105 | 51 | 165981 | 47.401 | ug/L | 98 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 191147m | 43.696 | ug/L | |
| 4) Chloromethane | 1.227 | 50 | 178884 | 53.376 | ug/L | 97 |
| 5) Vinyl Chloride | 1.282 | 62 | 189132 | 45.029 | ug/L | 99 |
| 6) Bromomethane | 1.489 | 94 | 169589 | 58.615 | ug/L | 99 |
| 7) Chloroethane | 1.569 | 64 | 129204 | 46.489 | ug/L | 96 |
| 8) Freon 21 | 1.709 | 67 | 244135 | 43.475 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 276167 | 52.190 | ug/L | 98 |
| 10) Diethyl Ether | 1.971 | 59 | 125557 | 48.206 | ug/L | 95 |
| 11) Freon 123a | 1.977 | 67 | 156817 | 46.955 | ug/L | 99 |
| 12) Freon 123 | 2.026 | 83 | 242865 | 58.404 | ug/L | 98 |
| 13) Acrolein | 2.069 | 56 | 63293 | 111.170 | ug/L | 96 |
| 14) 1,1-Dicethene | 2.142 | 96 | 140493 | 48.618 | ug/L | 99 |
| 15) Freon 113 | 2.148 | 101 | 149782 | 47.288 | ug/L | 97 |
| 16) Acetone | 2.197 | 43 | 70534 | 39.901 | ug/L | 94 |
| 17) 2-Propanol | 2.325 | 45 | 273254 | 941.476 | ug/L | 99 |
| 18) Iodomethane | 2.264 | 142 | 246162 | 55.274 | ug/L | 99 |
| 19) Carbon Disulfide | 2.319 | 76 | 405997 | 47.303 | ug/L | 99 |
| 20) Acetonitrile | 2.447 | 41 | 151753m | 250.996 | ug/L | |
| 21) Allyl Chloride | 2.453 | 76 | 88296 | 53.927 | ug/L | 99 |
| 22) Methyl Acetate | 2.483 | 43 | 142021 | 35.497 | ug/L | 98 |
| 23) Methylene Chloride | 2.569 | 84 | 150382 | 46.662 | ug/L | 98 |
| 24) TBA | 2.703 | 59 | 478798 | 941.015 | ug/L | 99 |
| 25) Acrylonitrile | 2.812 | 53 | 354690 | 237.375 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 496794 | 48.410 | ug/L | 100 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 159036 | 48.533 | ug/L | 100 |
| 28) 1,1-Dicethane | 3.306 | 63 | 264223 | 50.779 | ug/L | 98 |
| 29) Vinyl Acetate | 3.398 | 86 | 31187 | 63.049 | ug/L | # 72 |
| 30) DIPE | 3.428 | 45 | 474366 | 50.425 | ug/L | 94 |
| 31) 2-Chloro-1,3-Butadiene | 3.416 | 53 | 239577 | 48.305 | ug/L | 100 |
| 32) ETBE | 3.922 | 59 | 447185 | 45.797 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 251023 | 49.203 | ug/L | 99 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 176061 | 49.010 | ug/L | 99 |
| 35) 2-Butanone | 4.154 | 43 | 88967 | 42.594 | ug/L | 99 |
| 36) Propionitrile | 4.233 | 54 | 144978 | 232.443 | ug/L | 99 |
| 37) Bromochloromethane | 4.465 | 130 | 120459 | 51.171 | ug/L | 97 |
| 38) Methacrylonitrile | 4.483 | 67 | 81833 | 49.418 | ug/L | 92 |
| 39) Tetrahydrofuran | 4.562 | 42 | 57713 | 45.623 | ug/L | 99 |
| 40) Chloroform | 4.635 | 83 | 284733 | 48.280 | ug/L | 100 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4271.D
 Acq On : 04 Aug 2023 09:00 pm
 Operator : K.Ruest
 Sample : ICV-50
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 269324 | 50.233 | ug/L | 100 |
| 42) TAME | 5.842 | 73 | 477689 | 50.113 | ug/L | 99 |
| 44) Cyclohexane | 5.007 | 41 | 140684 | 47.984 | ug/L | 95 |
| 46) Carbontetrachloride | 5.214 | 117 | 242632 | 53.421 | ug/L | 99 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 206686 | 49.740 | ug/L | 100 |
| 49) Benzene | 5.580 | 78 | 602655 | 50.749 | ug/L | 98 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 229656 | 49.440 | ug/L | 97 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 194775 | 990.930 | ug/L | 98 |
| 52) n-Heptane | 6.098 | 43 | 204695 | 48.022 | ug/L | 99 |
| 53) 1-Butanol | 6.653 | 56 | 305008 | 2461.079 | ug/L | 98 |
| 54) Trichloroethene | 6.574 | 130 | 188855 | 51.294 | ug/L | 97 |
| 55) Methylcyclohexane | 6.812 | 55 | 195482 | 47.790 | ug/L | 97 |
| 56) 1,2-Diclpropane | 6.873 | 63 | 153434 | 49.799 | ug/L | 97 |
| 57) Dibromomethane | 7.013 | 93 | 112111 | 49.548 | ug/L | 97 |
| 58) 1,4-Dioxane | 7.098 | 88 | 54905 | 959.256 | ug/L | 99 |
| 59) Methyl Methacrylate | 7.117 | 69 | 138685 | 49.560 | ug/L | 97 |
| 60) Bromodichloromethane | 7.257 | 83 | 230268 | 48.455 | ug/L | 99 |
| 61) 2-Nitropropane | 7.555 | 41 | 115179 | 95.402 | ug/L | 93 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 66237 | 33.552 | ug/L | 100 |
| 63) cis-1,3-Dichloropropene | 7.812 | 75 | 277771 | 52.376 | ug/L | 100 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 195082 | 49.609 | ug/L | 96 |
| 66) Toluene | 8.177 | 91 | 691233 | 51.119 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 266430 | 54.305 | ug/L | 99 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 248501 | 50.760 | ug/L | 99 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 161423 | 49.880 | ug/L | 98 |
| 72) Tetrachloroethene | 8.775 | 164 | 152820 | 50.183 | ug/L | 99 |
| 73) 2-Hexanone | 8.958 | 43 | 142773 | 47.652 | ug/L | 97 |
| 74) 1,3-Dichloropropene | 8.824 | 76 | 262845 | 48.780 | ug/L | 95 |
| 75) Dibromochloromethane | 9.049 | 129 | 203916 | 51.114 | ug/L | 98 |
| 76) N-Butyl Acetate | 9.116 | 43 | 287212 | 48.164 | ug/L | 100 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 176309 | 49.322 | ug/L | 97 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 277329 | 50.131 | ug/L | 98 |
| 79) Chlorobenzene | 9.647 | 112 | 467160 | 49.907 | ug/L | 99 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 244830 | 49.174 | ug/L | 99 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 187690 | 50.249 | ug/L | 99 |
| 82) Ethylbenzene | 9.768 | 106 | 244193 | 50.096 | ug/L | 98 |
| 83) (m+p)Xylene | 9.884 | 106 | 618259 | 101.534 | ug/L | 100 |
| 84) o-Xylene | 10.244 | 106 | 300490 | 50.242 | ug/L | 98 |
| 85) Styrene | 10.256 | 104 | 524510 | 51.740 | ug/L | 99 |
| 86) Bromoform | 10.409 | 173 | 163139 | 53.806 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 271130 | 50.158 | ug/L | 99 |
| 88) Isopropylbenzene | 10.585 | 105 | 770885 | 52.349 | ug/L | 100 |
| 89) Cyclohexanone | 10.652 | 55 | 782006 | 1050.905 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 65062 | 44.872 | ug/L | 95 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 223080 | 44.971 | ug/L | 99 |
| 93) Bromobenzene | 10.823 | 156 | 220737 | 46.960 | ug/L | 98 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 78934 | 45.990 | ug/L | 97 |
| 95) n-Propylbenzene | 10.939 | 91 | 908152 | 48.973 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 544183 | 48.445 | ug/L | 100 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 546294 | 47.499 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.098 | 91 | 651965 | 47.635 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.091 | 105 | 689274 | 48.194 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.366 | 119 | 595084 | 48.939 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 677595 | 49.190 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 226846 | 48.983 | ug/L | 100 |
| 103) sec-Butylbenzene | 11.549 | 105 | 848206 | 48.782 | ug/L | 99 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4271.D
 Acq On : 04 Aug 2023 09:00 pm
 Operator : K.Ruest
 Sample : ICV-50
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

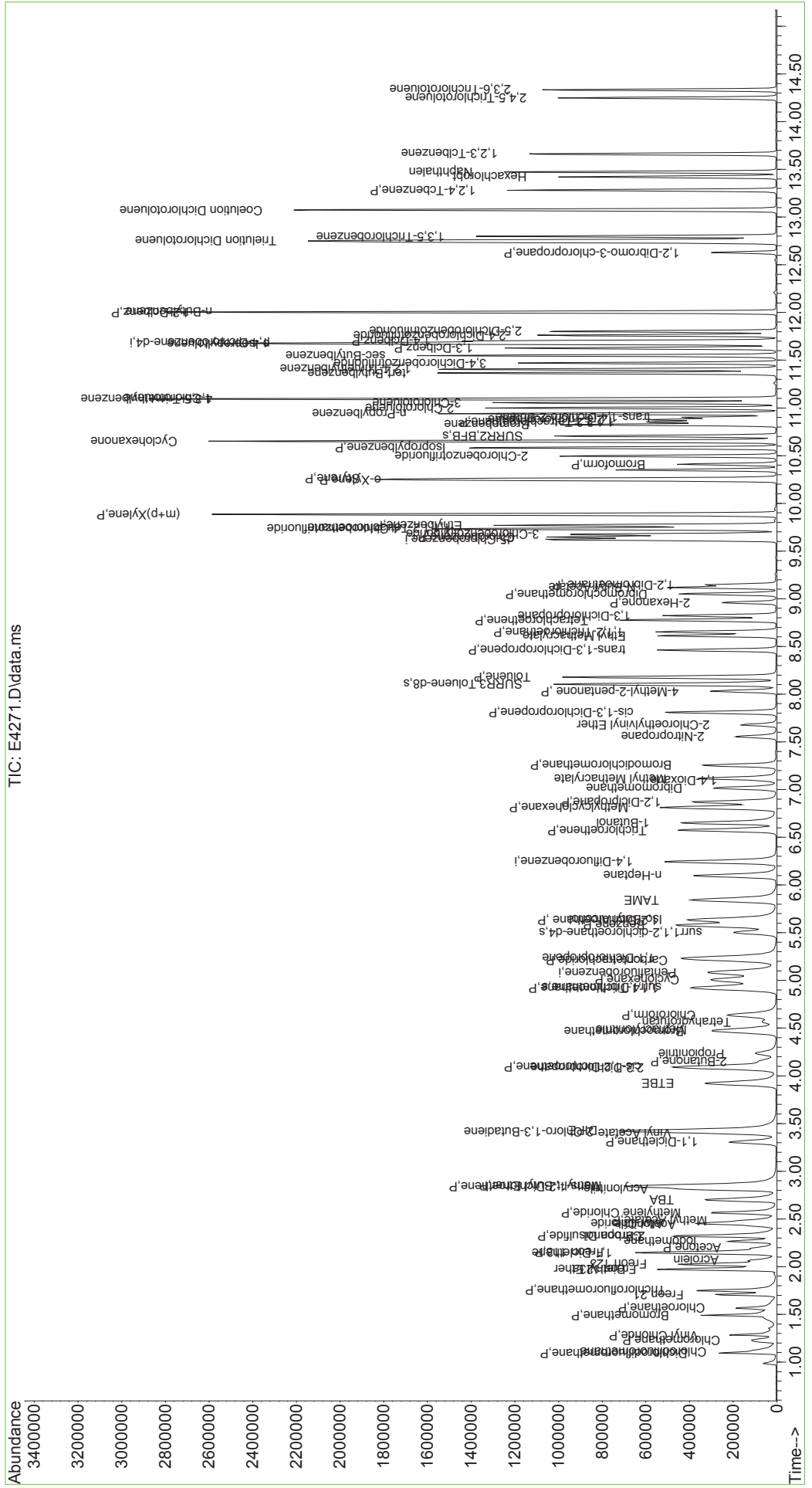
Quant Time: Aug 05 11:41:05 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 104) p-Isopropyltoluene | 11.671 | 119 | 752263 | 49.272 | ug/L | 100 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 409050 | 47.995 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 418897 | 48.023 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 202123 | 48.741 | ug/L | 99 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 220897 | 48.083 | ug/L | 99 |
| 109) n-Butylbenzene | 12.006 | 91 | 661444 | 50.419 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.000 | 146 | 399903 | 47.908 | ug/L | 98 |
| 111) 1,2-Dibromo-3-chloropr... | 12.628 | 157 | 66465 | 48.523 | ug/L | 93 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 1034426 | 145.095 | ug/L | 99 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 304391 | 48.592 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.073 | 125 | 739599 | 98.149 | ug/L | 98 |
| 115) 1,2,4-Tcbenzene | 13.280 | 180 | 293983 | 46.540 | ug/L | 97 |
| 116) Hexachlorobt | 13.420 | 225 | 143791 | 50.538 | ug/L | 99 |
| 117) Naphthalen | 13.475 | 128 | 768598 | 49.062 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 282216 | 46.111 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 204052 | 51.171 | ug/L | 98 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 204162 | 54.800 | ug/L | 99 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4271.D
 Acq On : 04 Aug 2023 09:00 pm
 Operator : K.Ruest
 Sample : ICV-50
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

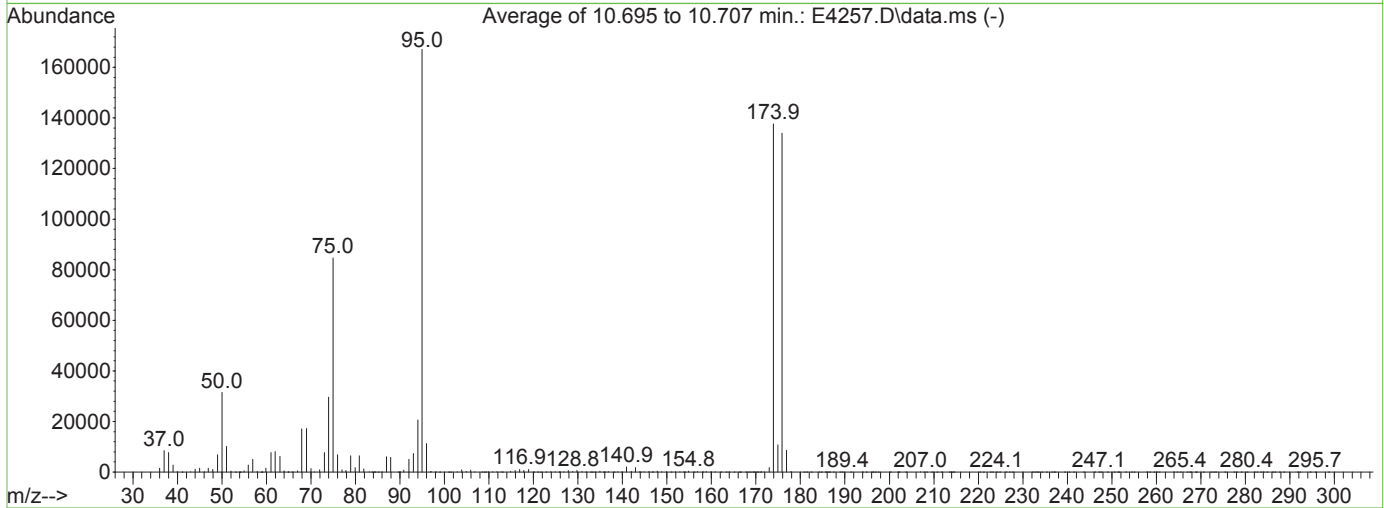
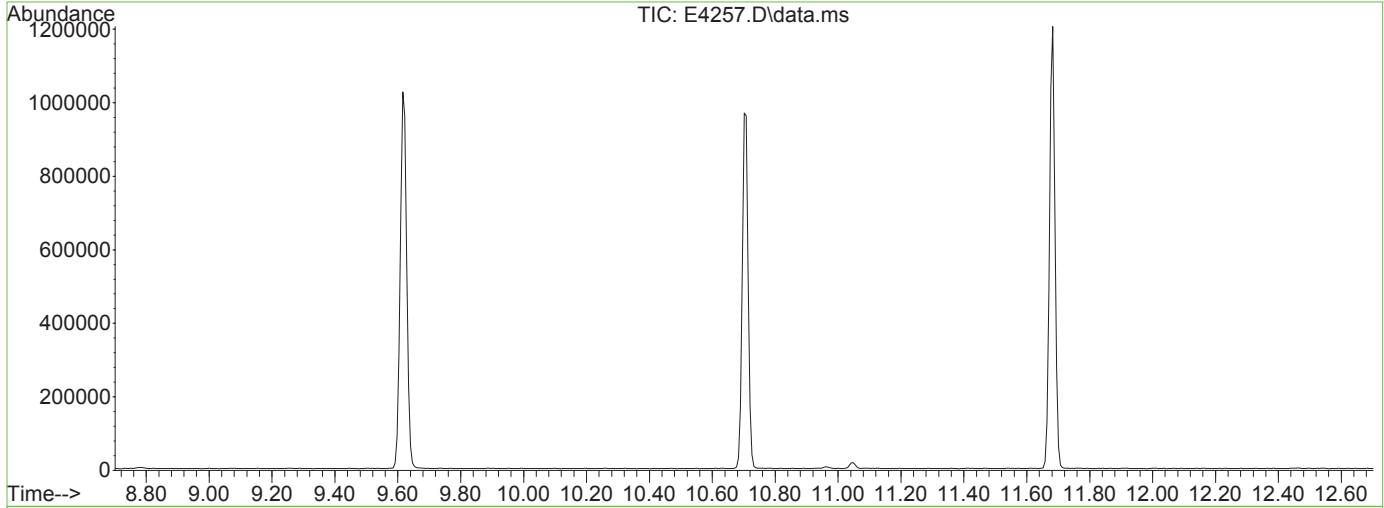
Quant Time: Aug 05 11:41:05 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4257.D
 Acq On : 04 Aug 2023 03:35 pm
 Operator : K.Ruest
 Sample : TUNE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Title : MS#17 - 8260 WATERS 5mL Purge
 Last Update : Sat Aug 05 10:36:43 2023



AutoFind: Scans 1658, 1659, 1660; Background Corrected with Scan 1653

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.8 | 31472 | PASS |
| 75 | 95 | 30 | 60 | 50.6 | 84576 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 167109 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 11201 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 1713 | PASS |
| 174 | 95 | 50 | 120 | 82.4 | 137667 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 10715 | PASS |
| 176 | 174 | 95 | 101 | 97.3 | 133933 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 8625 | PASS |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4258.D
 Acq On : 04 Aug 2023 03:58 pm
 Operator : K.Ruest
 Sample : IBLK
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:35:03 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 366144 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 536498 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.616 | 117 | 493834 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 244251 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 175759 | 49.54 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 99.08% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 208485 | 51.28 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 102.56% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 637757 | 49.42 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 98.84% | |
| 70) SURR2,BFB | 10.707 | 95 | 231399 | 47.06 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 94.12% | |

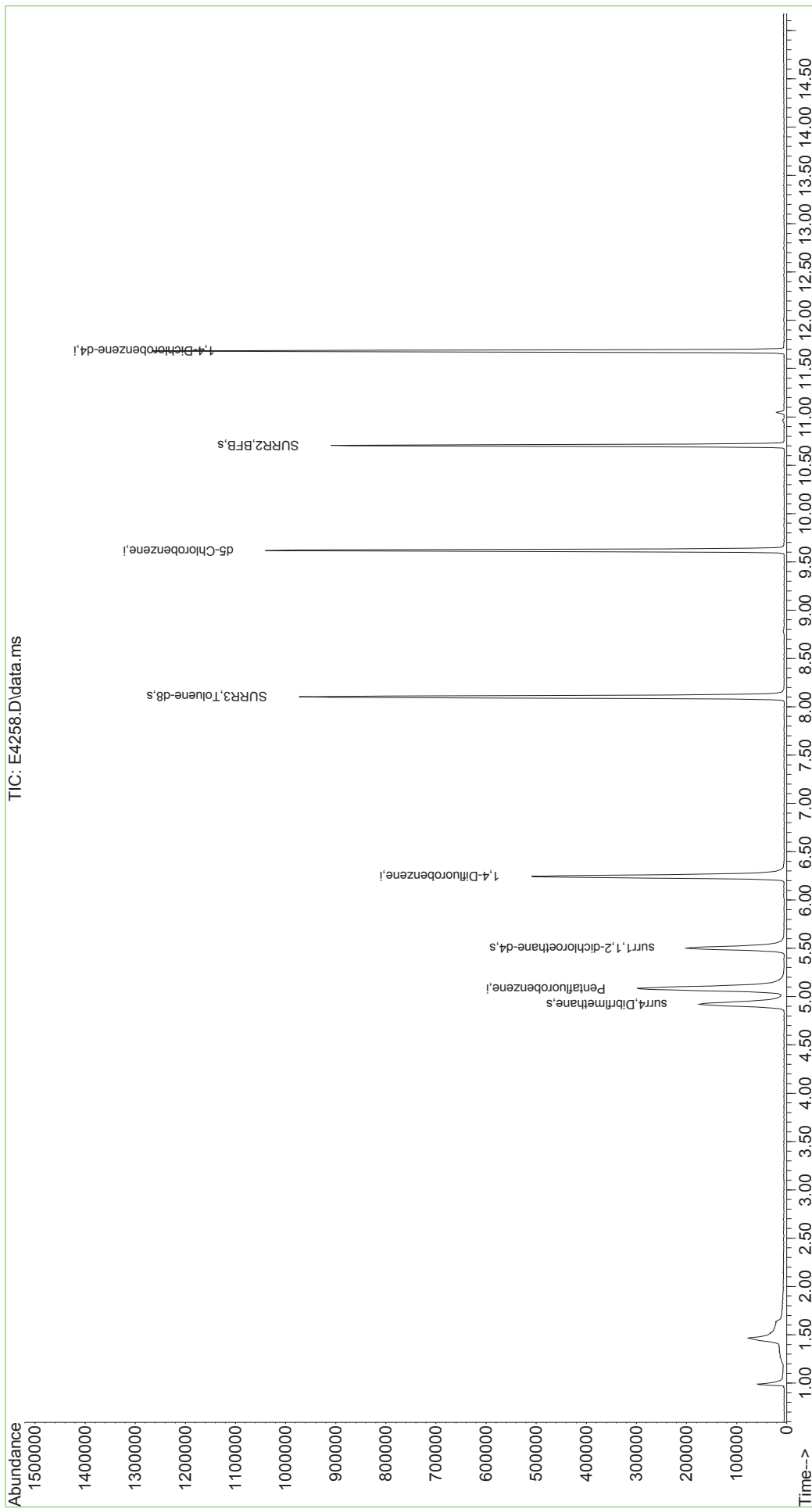
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

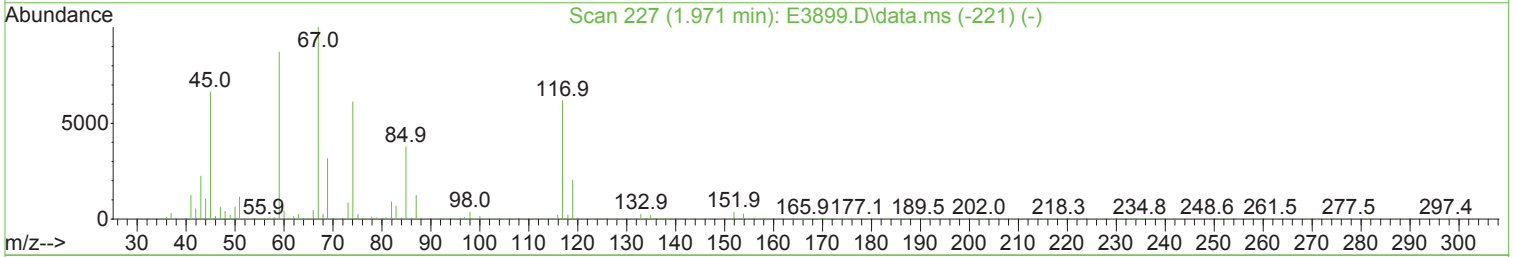
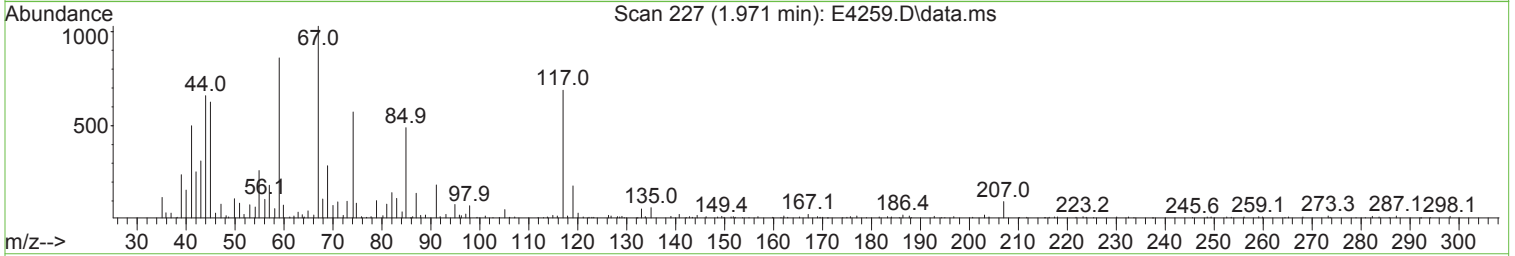
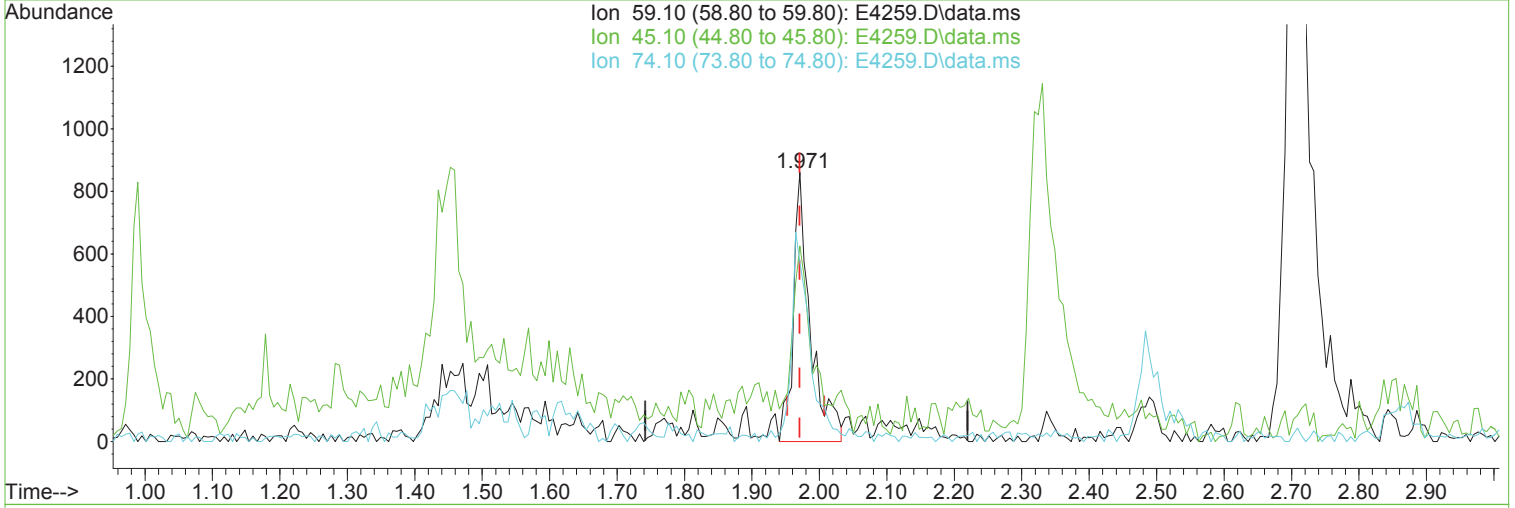
Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4258.D
Acq On : 04 Aug 2023 03:58 pm
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:35:03 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



TIC: E4259.D\data.ms

(10) Diethyl Ether

1.971min (+ 0.000) 0.62 ug/L m

response 1505

| Ion | Exp% | Act% |
|-------|--------|--------|
| 59.10 | 100.00 | 100.00 |
| 45.10 | 76.30 | 72.67 |
| 74.10 | 70.20 | 66.63 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

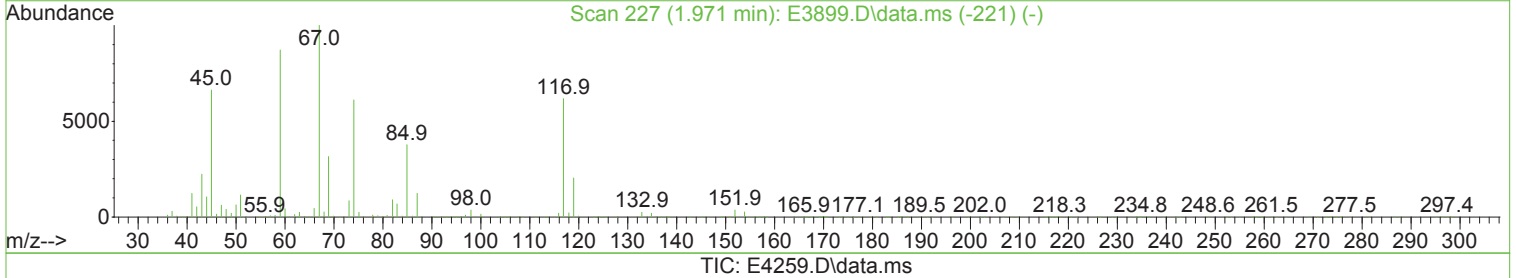
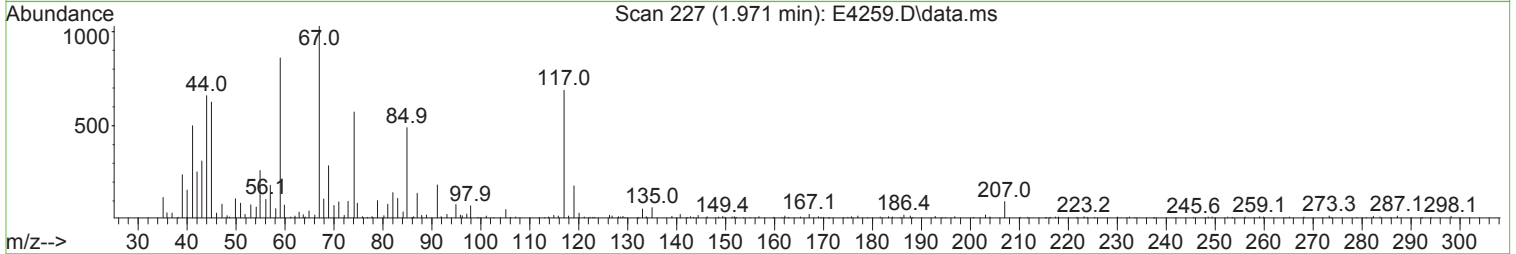
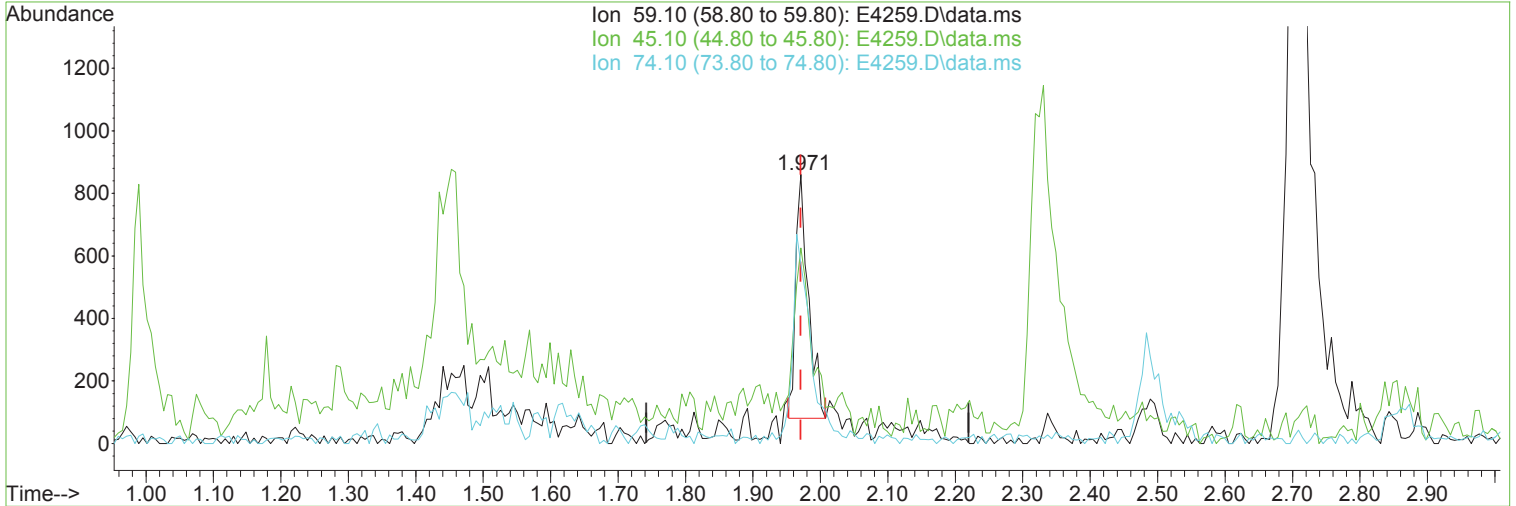
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(10) Diethyl Ether

Manual Integration:

1.971min (+ 0.000) 0.41 ug/L

Before

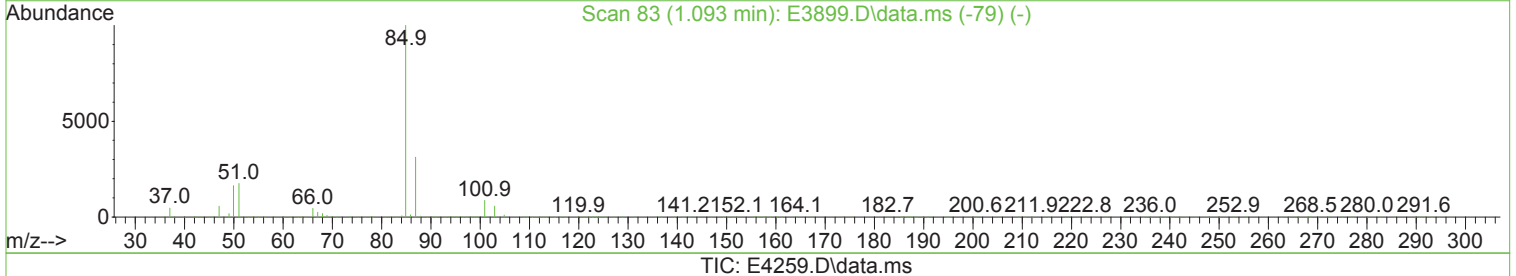
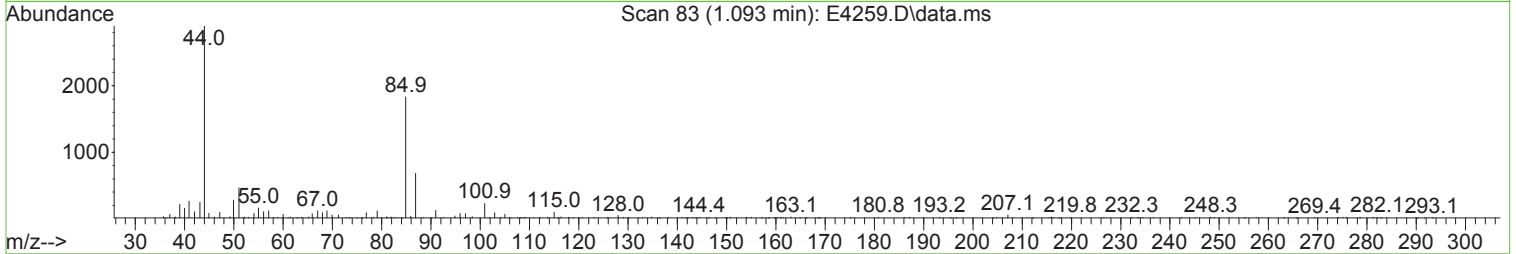
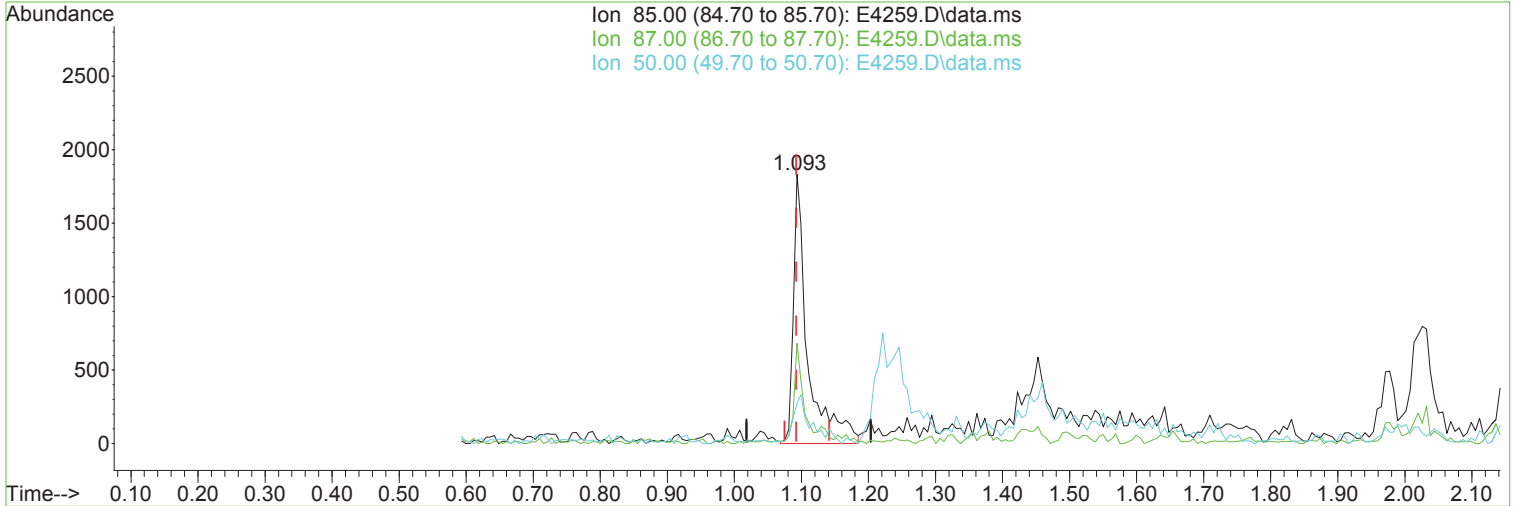
response 996

| Ion | Exp% | Act% |
|-------|--------|--------|
| 59.10 | 100.00 | 100.00 |
| 45.10 | 76.30 | 72.67 |
| 74.10 | 70.20 | 76.86 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 0.71 ug/L m

response 2731

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 37.19 |
| 50.00 | 16.40 | 15.02 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

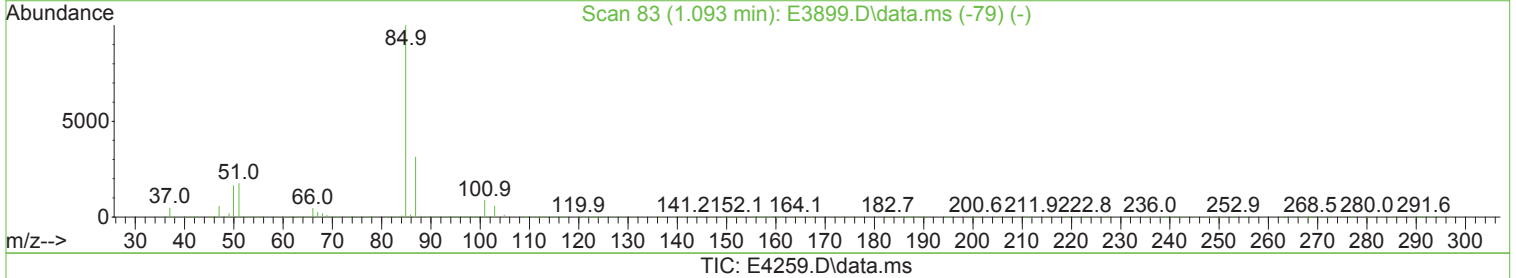
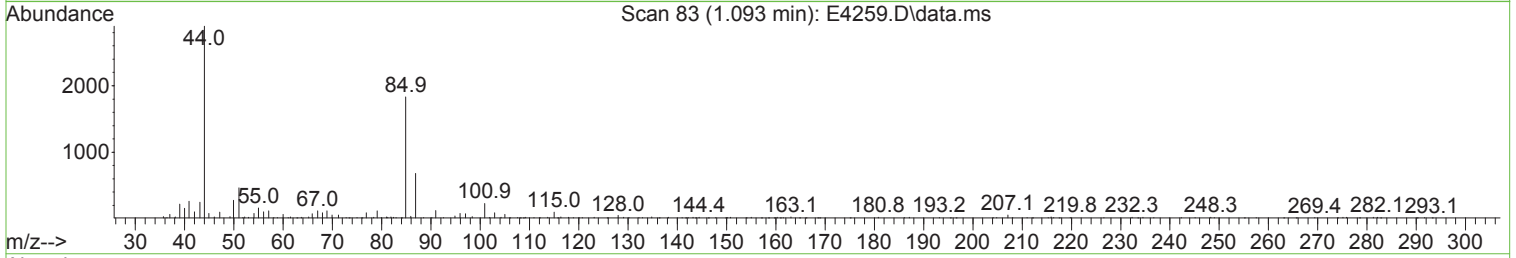
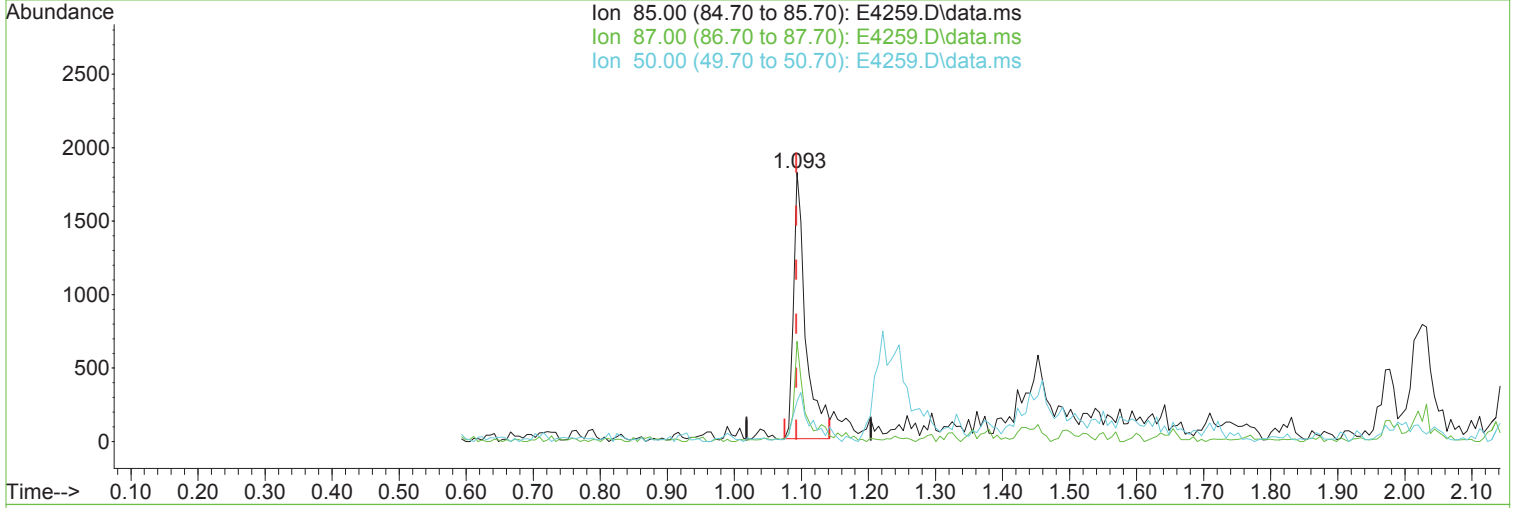
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 0.60 ug/L

Before

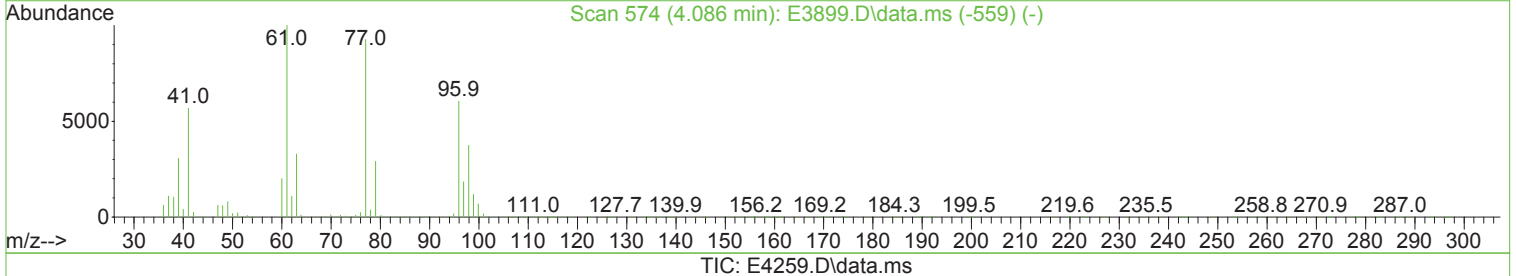
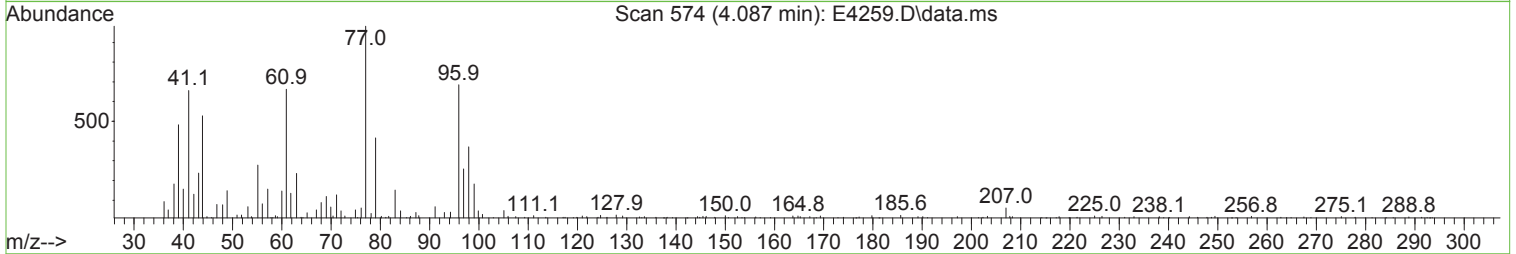
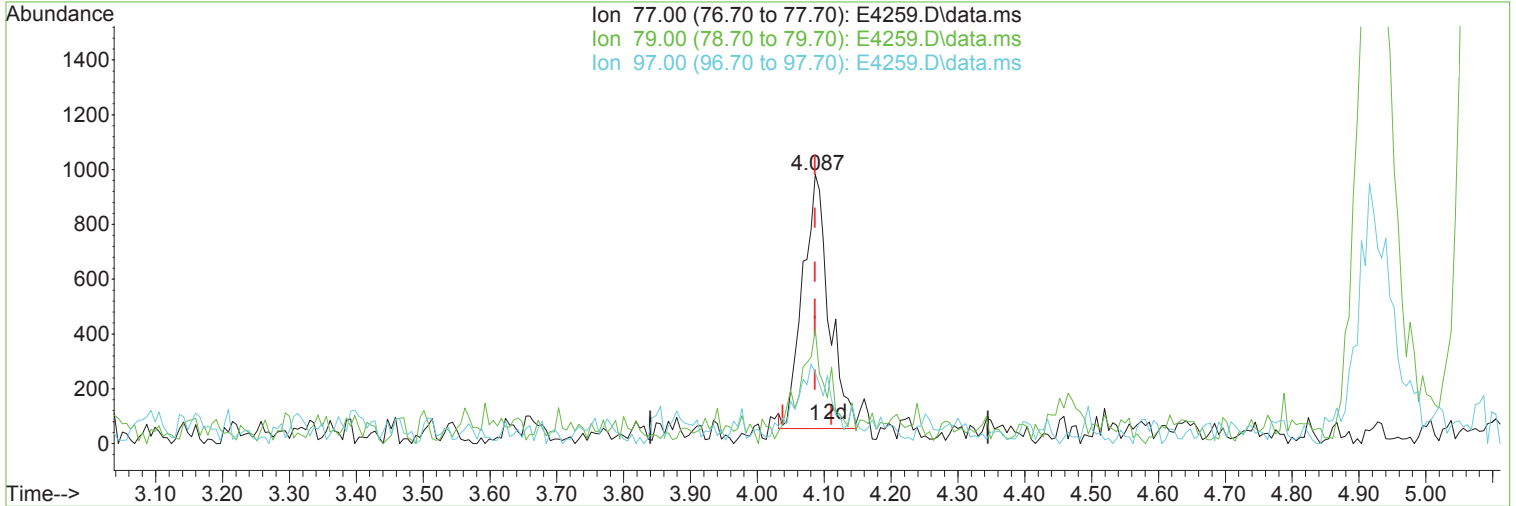
response 2310

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 37.19 |
| 50.00 | 16.40 | 15.02 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(33) 2,2-Dichloropropane

4.087min (+ 0.000) 0.44 ug/L m

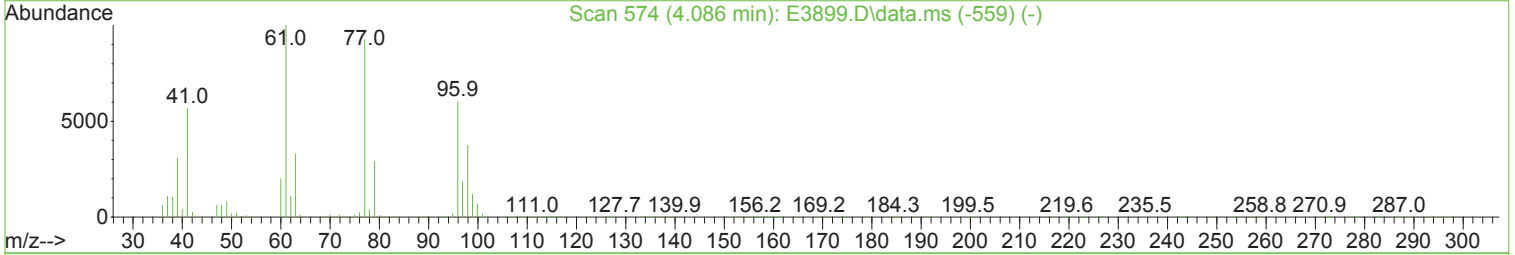
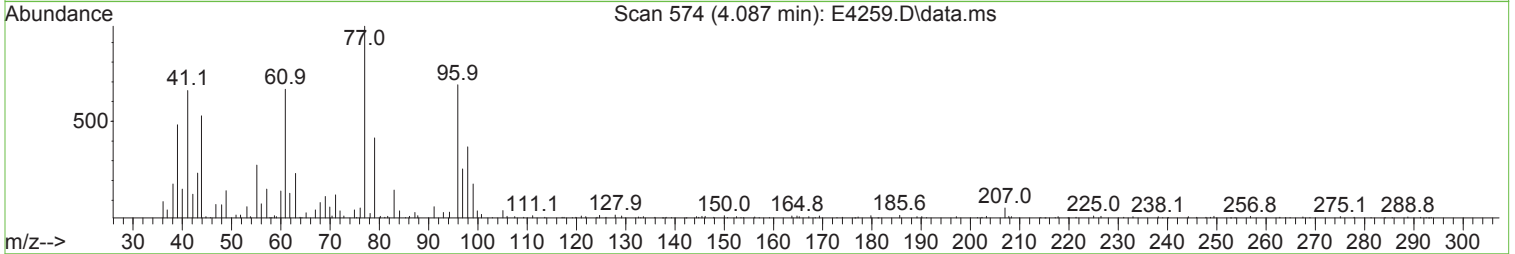
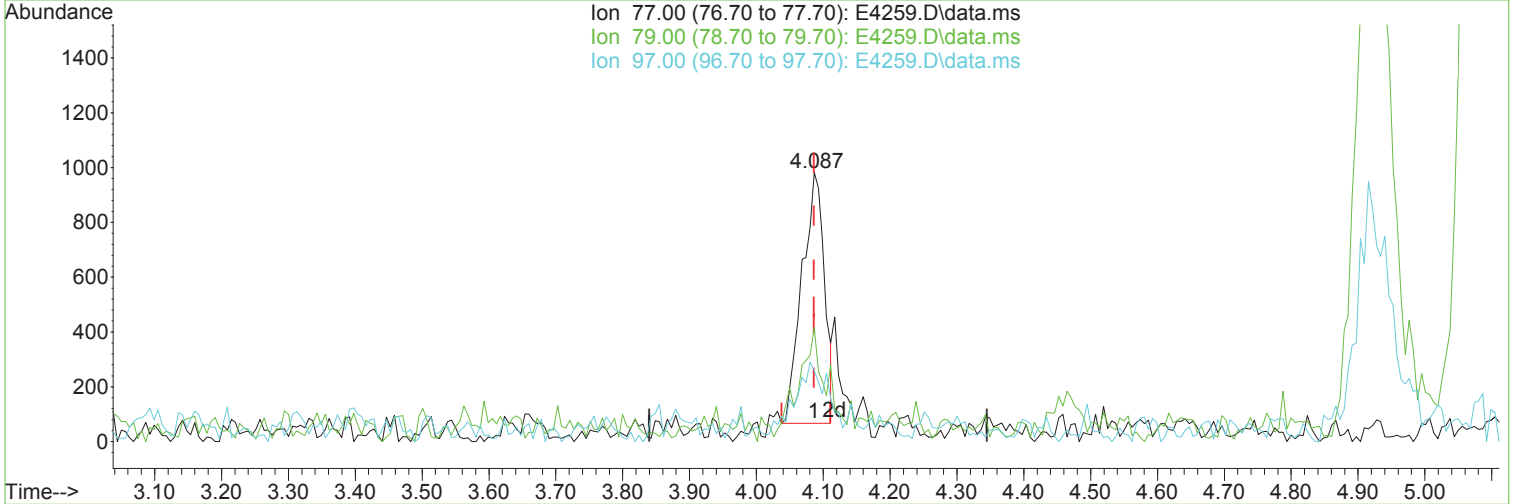
response 2516

| Ion | Exp% | Act% |
|-------|--------|--------|
| 77.00 | 100.00 | 100.00 |
| 79.00 | 31.40 | 42.36 |
| 97.00 | 19.80 | 26.37 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



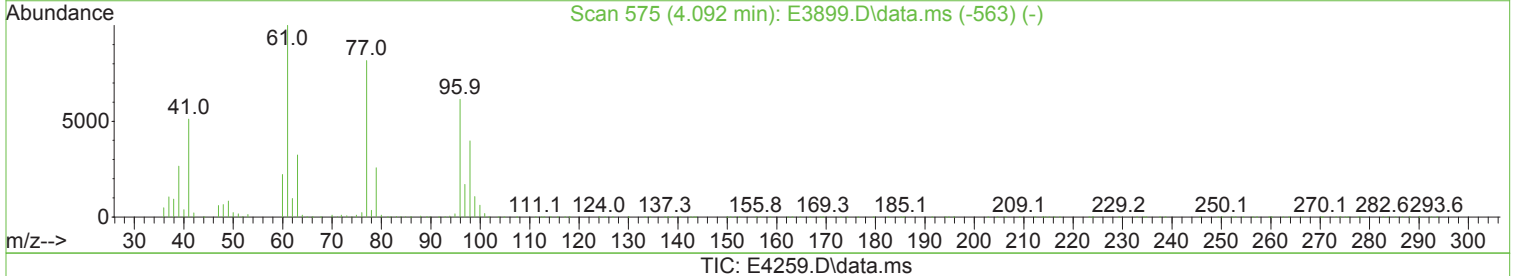
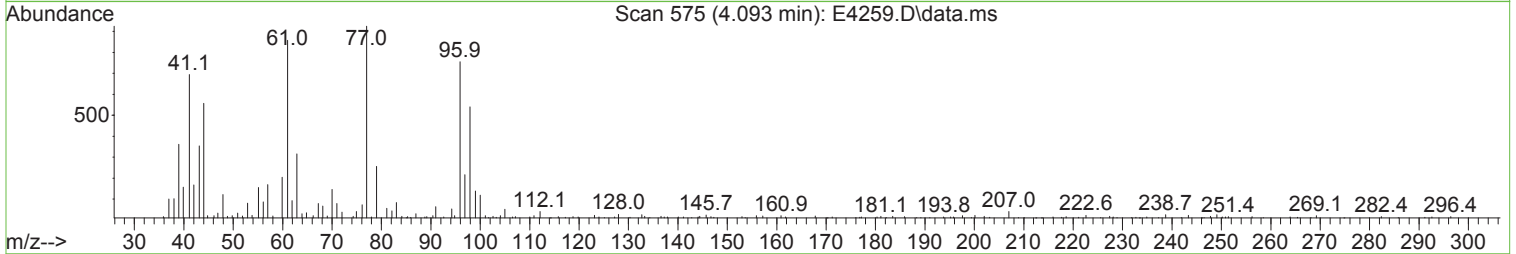
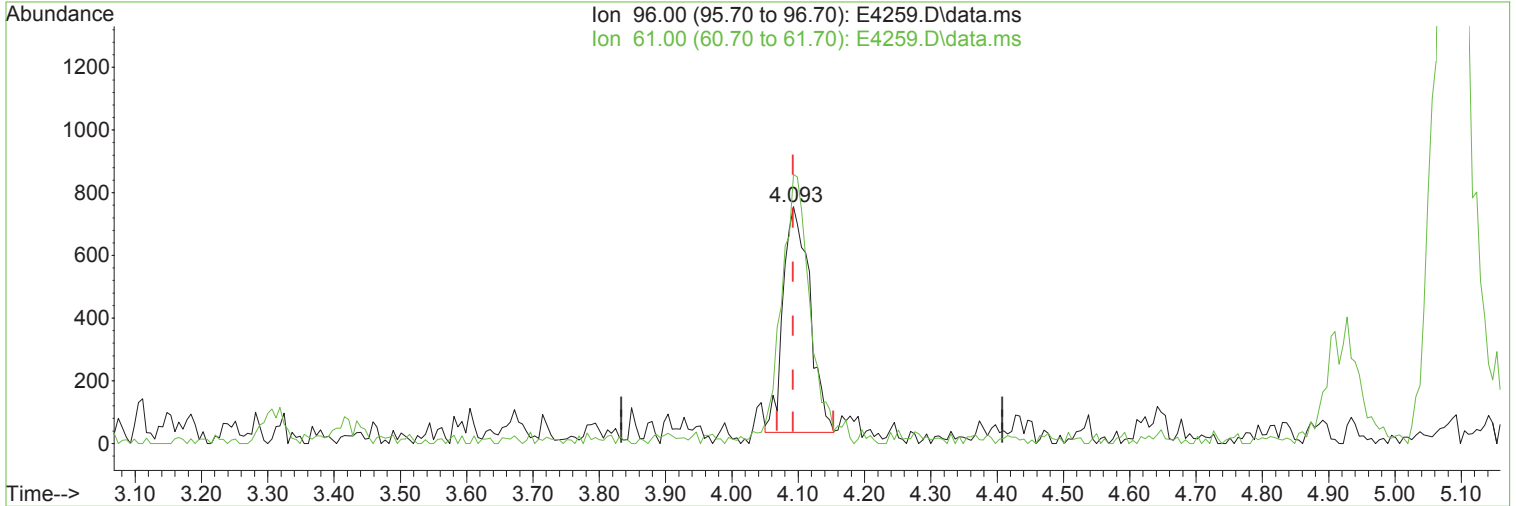
TIC: E4259.D\data.ms

(33) 2,2-Dichloropropane
4.087min (+ 0.000) 0.37 ug/L
response 2126
Ion Exp% Act%
77.00 100.00 100.00
79.00 31.40 42.36
97.00 19.80 26.37
0.00 0.00 0.00

Manual Integration:
Before
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



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

4.093min (+ 0.000) 0.58 ug/L m

response 2003

Ion Exp% Act%

96.00 100.00 100.00

61.00 162.80 113.64#

0.00 0.00 0.00

0.00 0.00 0.00

Manual Integration:

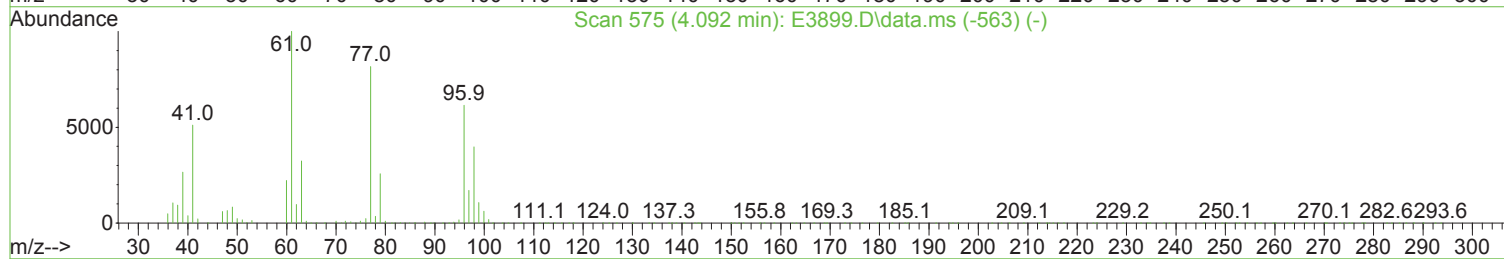
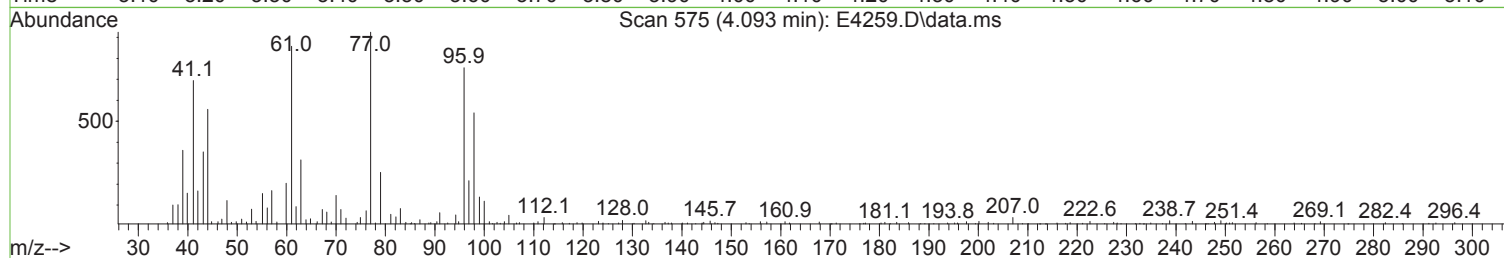
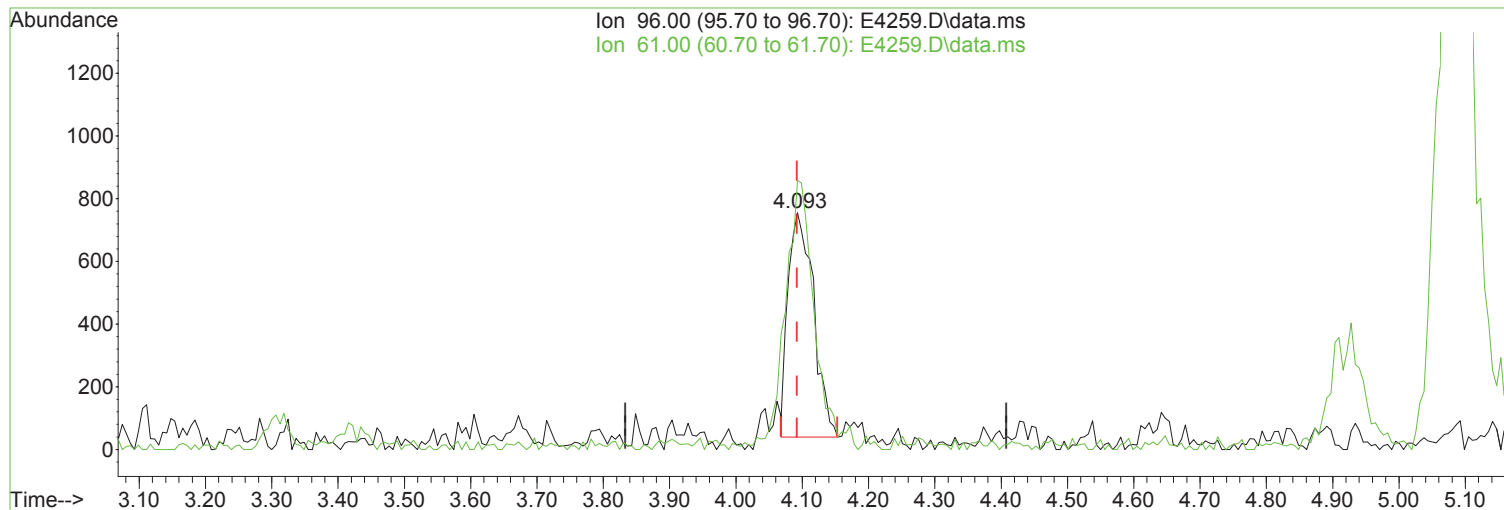
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4259.D\data.ms

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

Manual Integration:

4.093min (+ 0.000) 0.55 ug/L

Before

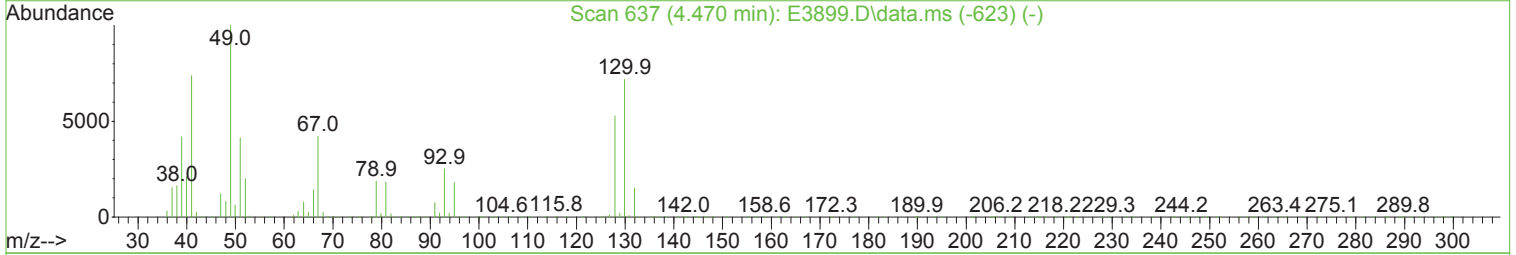
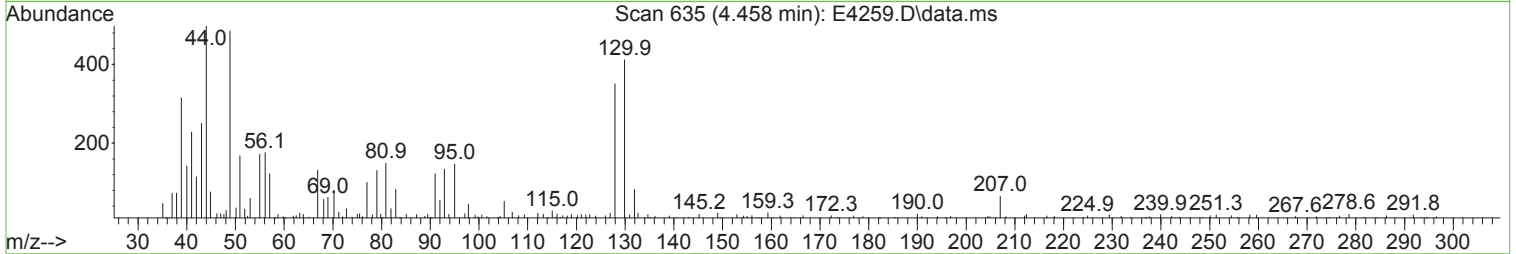
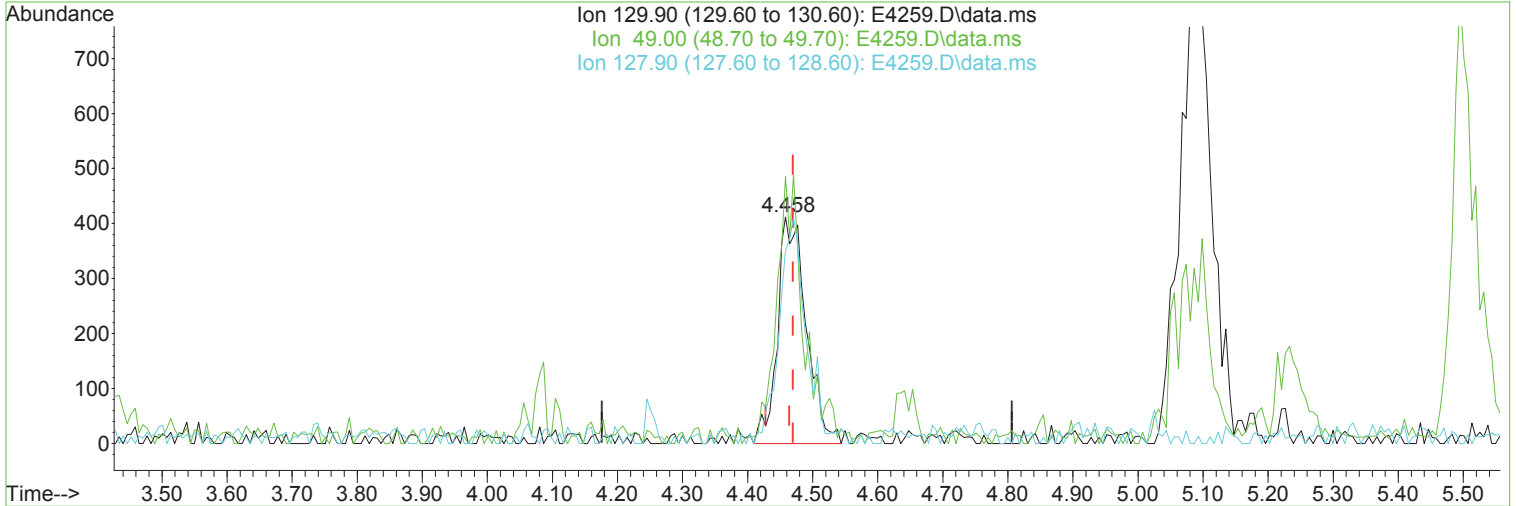
response 1900

| Ion | Exp% | Act% |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 162.80 | 113.64# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



TIC: E4259.D\data.ms

(37) Bromochloromethane

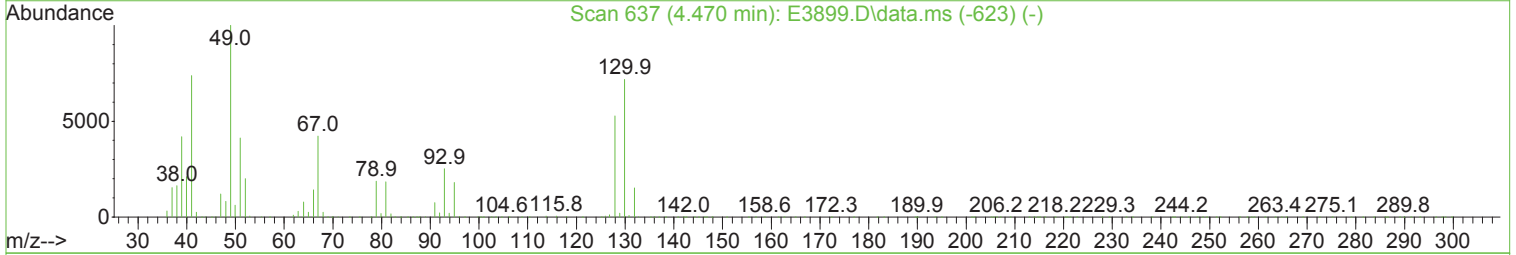
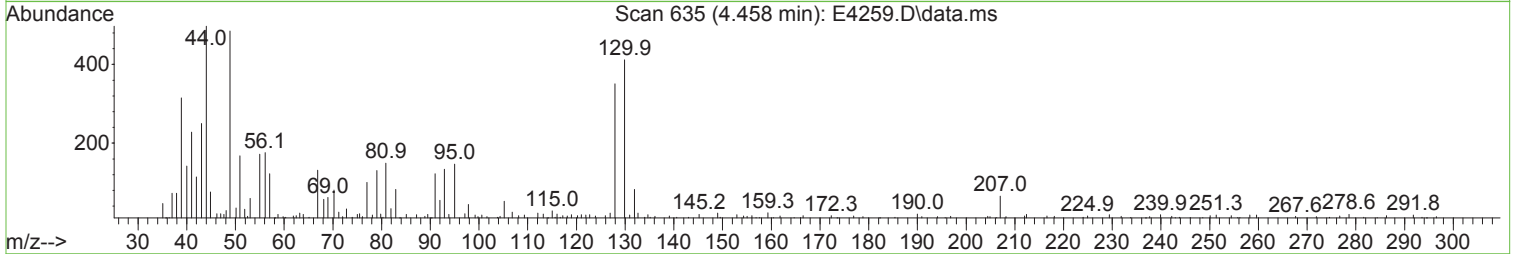
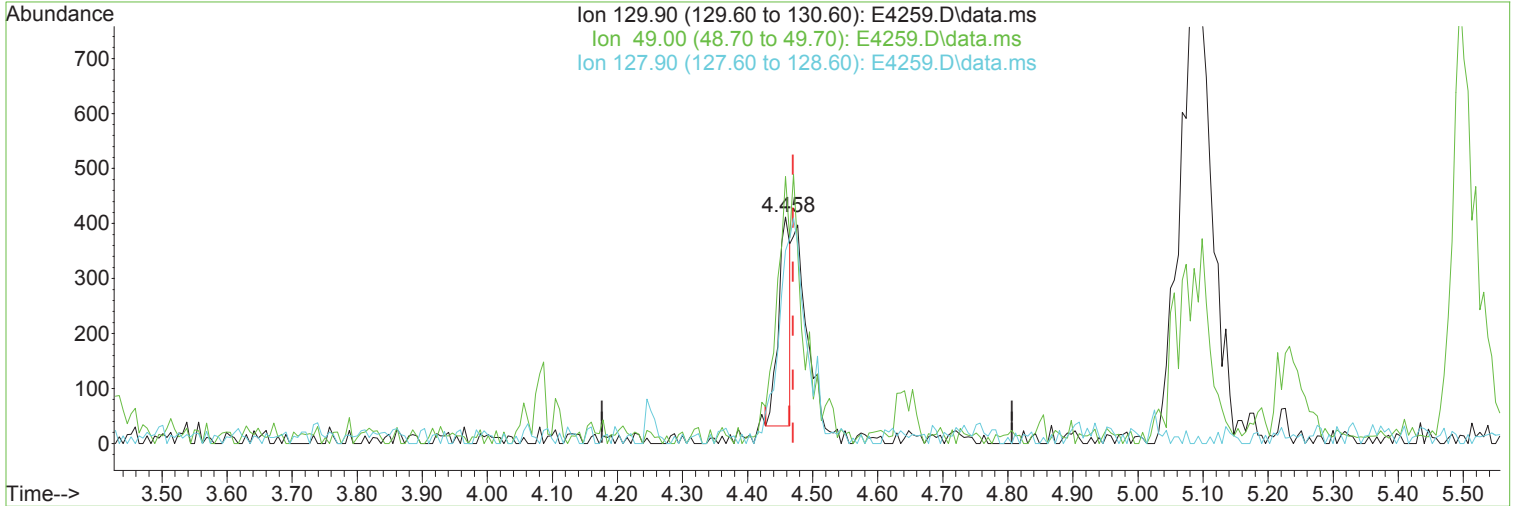
4.458min (-0.012) 0.60 ug/L m

| response | 1266 |
|----------|----------------|
| Ion | Exp% Act% |
| 129.90 | 100.00 100.00 |
| 49.00 | 139.30 117.72# |
| 127.90 | 73.60 85.19 |
| 0.00 | 0.00 0.00 |

Manual Integration:
 After
 Split Peak.
 08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



TIC: E4259.D\data.ms

(37) Bromochloromethane

4.458min (-0.012) 0.23 ug/L

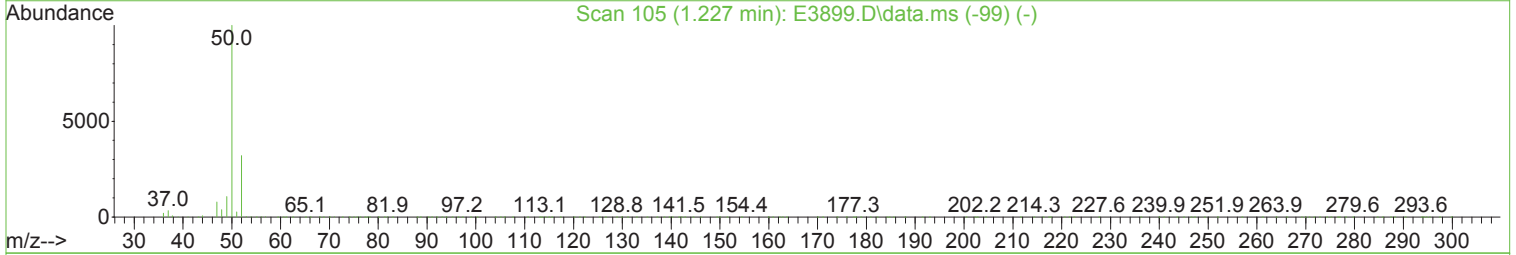
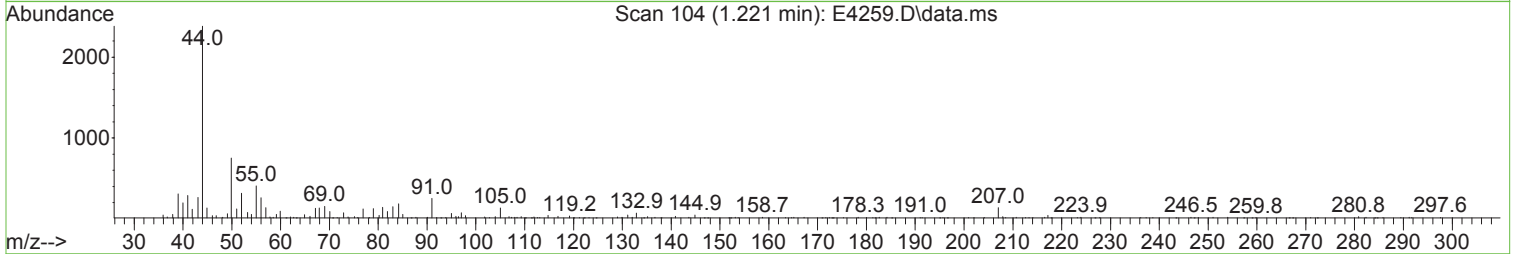
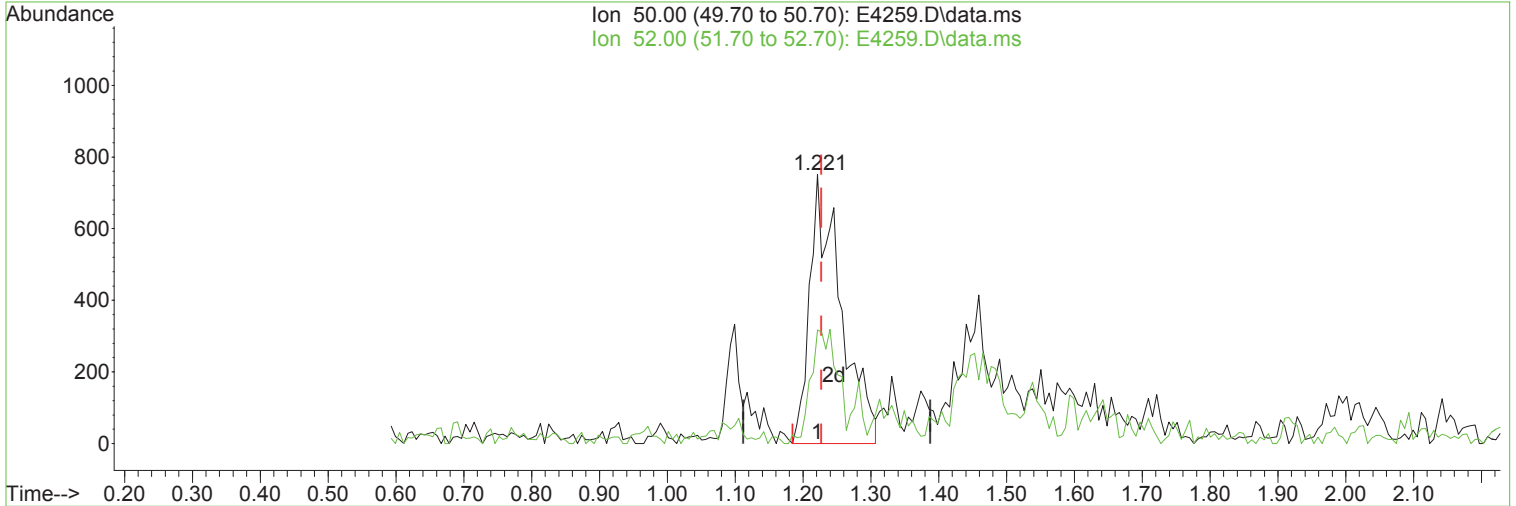
response 479

| Ion | Exp% | Act% |
|--------|--------|---------|
| 129.90 | 100.00 | 100.00 |
| 49.00 | 139.30 | 117.72# |
| 127.90 | 73.60 | 85.19 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
 Before
 08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(4) Chloromethane (P)

1.221min (-0.006) 0.81 ug/L m

response 2379

Ion Exp% Act%

50.00 100.00 100.00

52.00 32.00 42.21

0.00 0.00 0.00

0.00 0.00 0.00

Manual Integration:

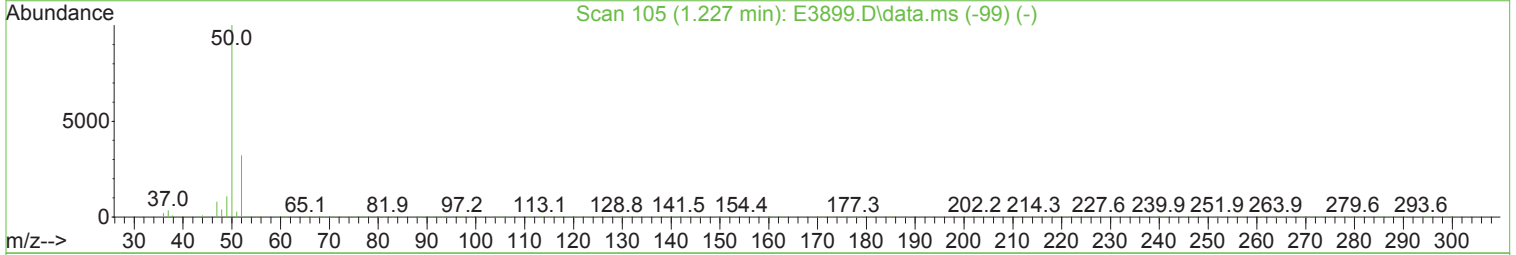
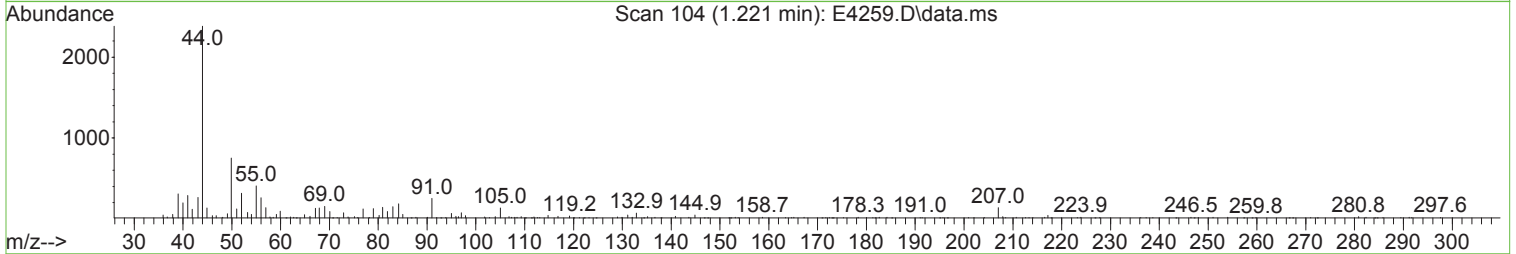
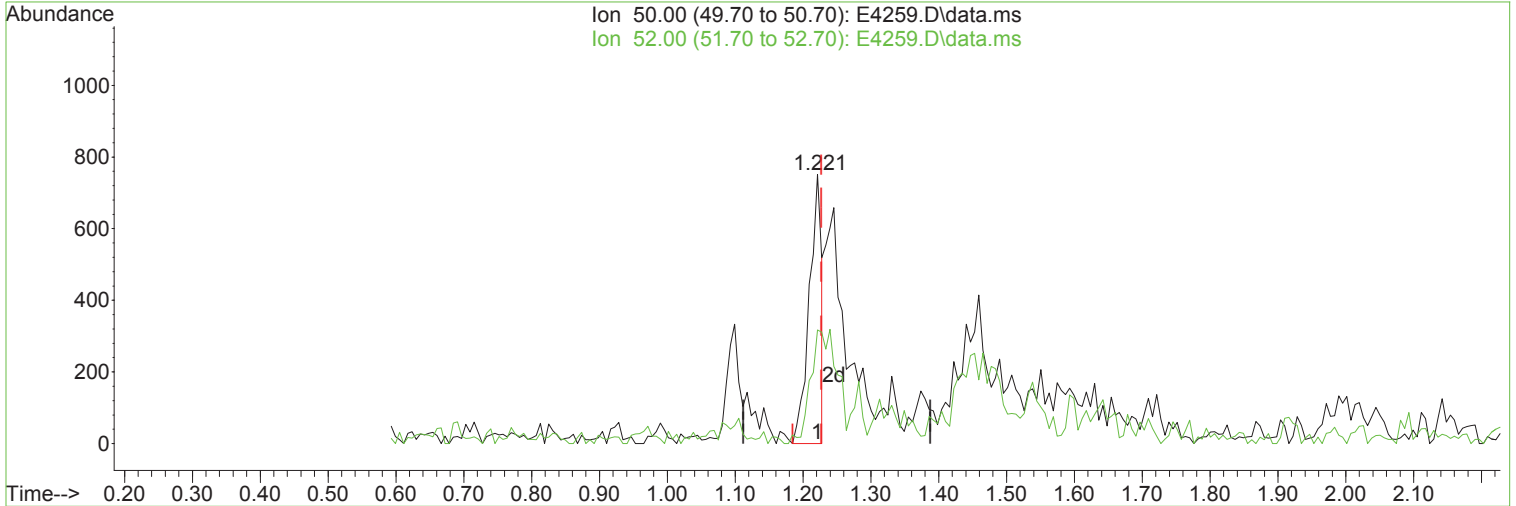
After

Split Peak.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(4) Chloromethane (P)

Manual Integration:

1.221min (-0.006) 0.32 ug/L

Before

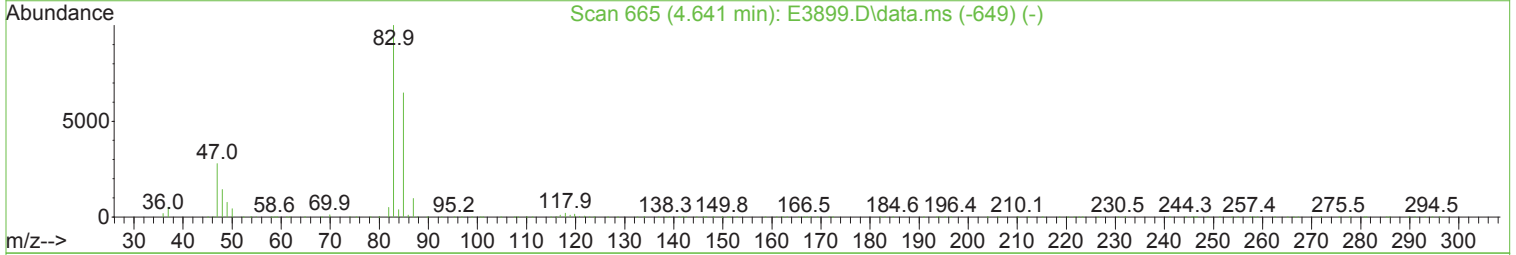
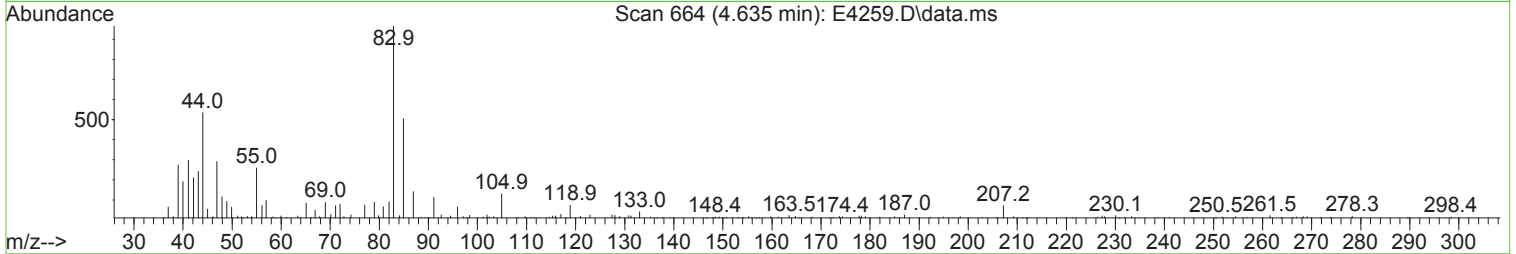
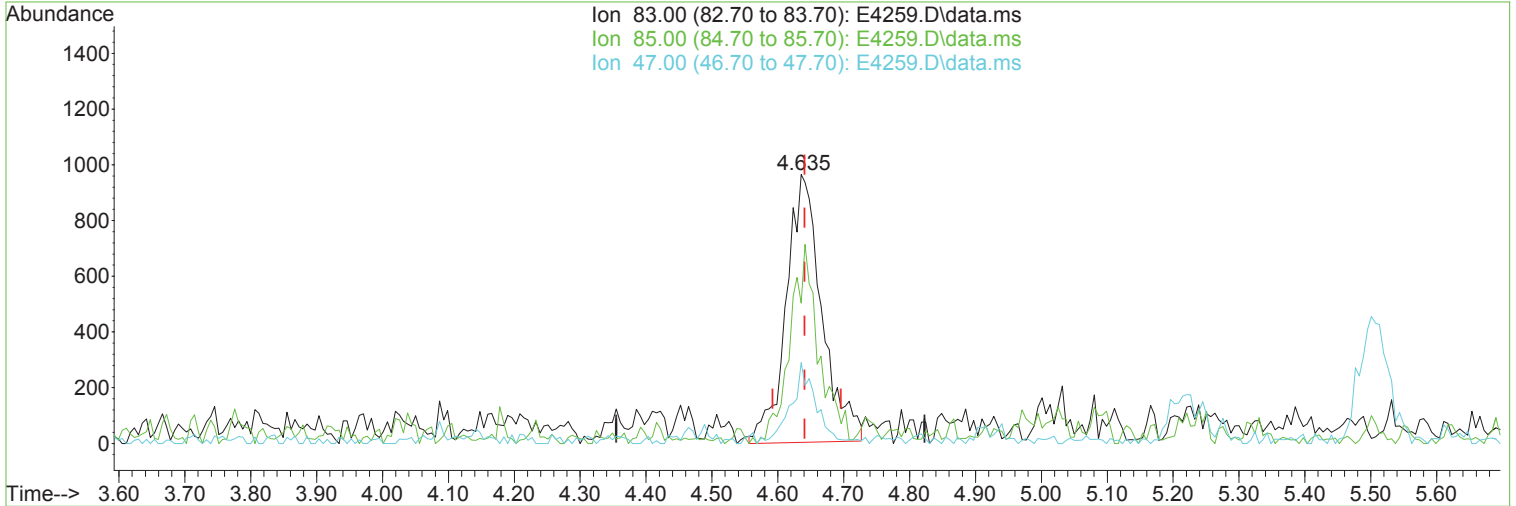
response 947

| Ion | Exp% | Act% |
|-------|--------|--------|
| 50.00 | 100.00 | 100.00 |
| 52.00 | 32.00 | 42.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(40) Chloroform (P)

4.635min (-0.006) 0.66 ug/L m

response 3620

Ion Exp% Act%

83.00 100.00 100.00

85.00 64.70 52.23

47.00 28.30 30.05

0.00 0.00 0.00

Manual Integration:

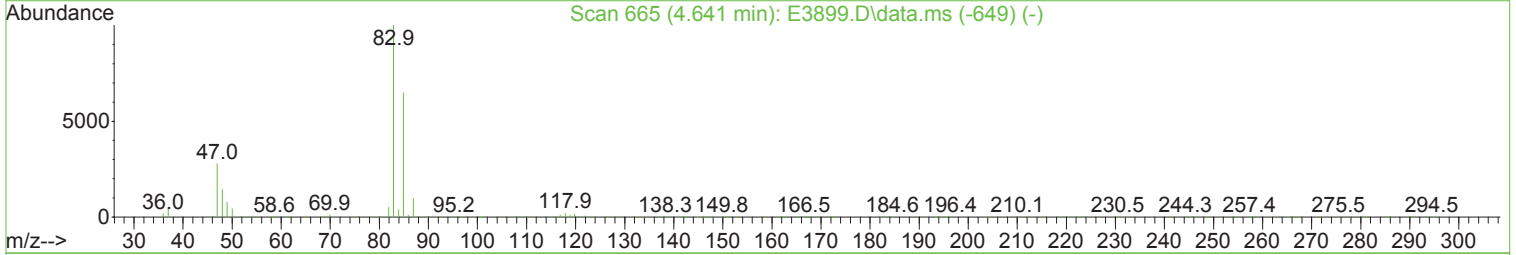
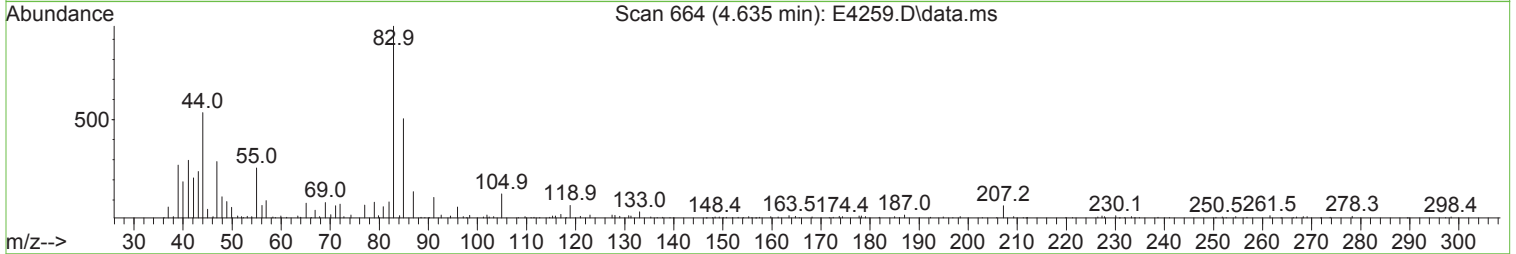
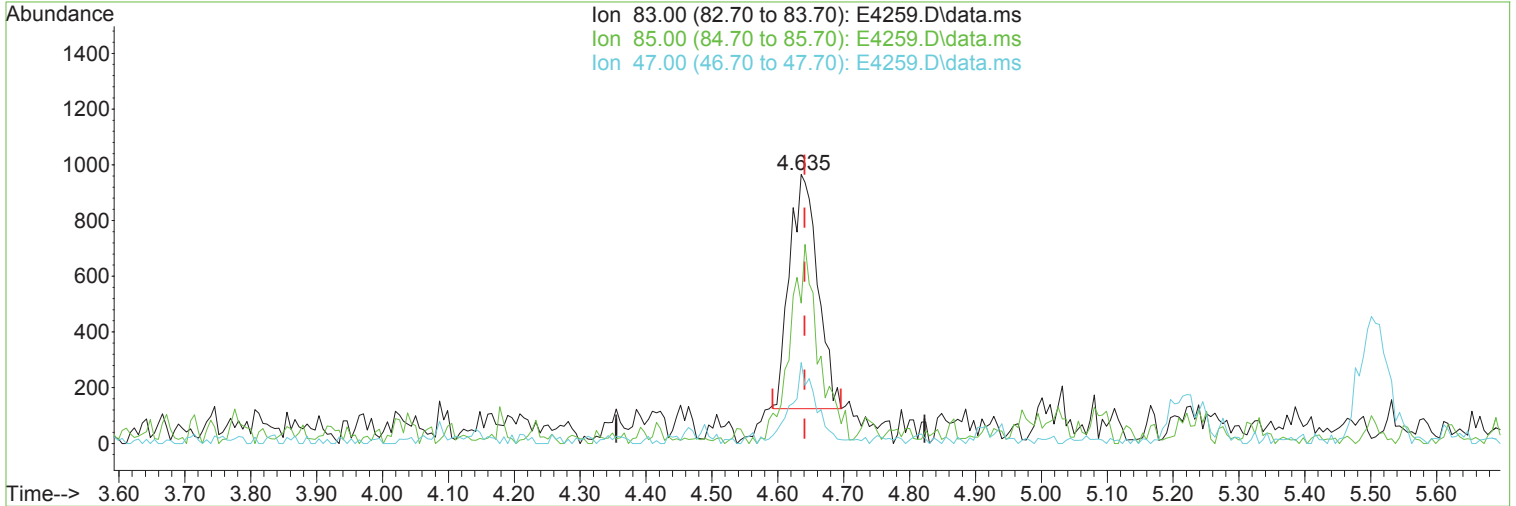
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(40) Chloroform (P)

Manual Integration:

4.635min (-0.006) 0.45 ug/L

Before

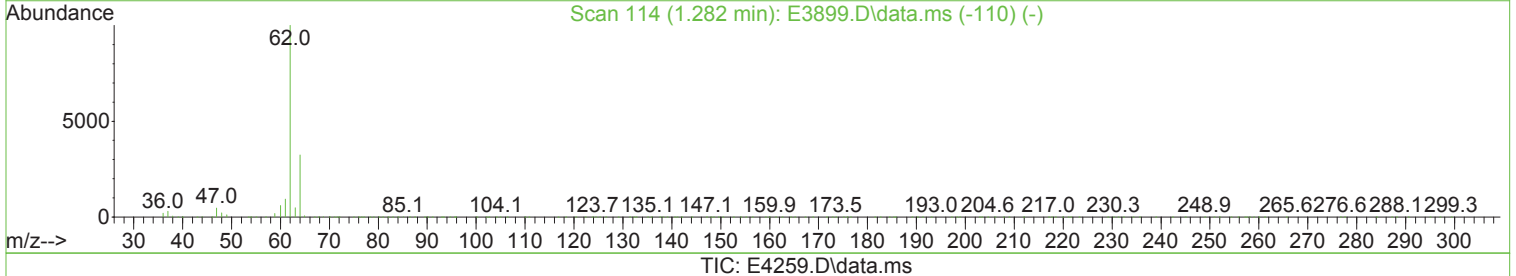
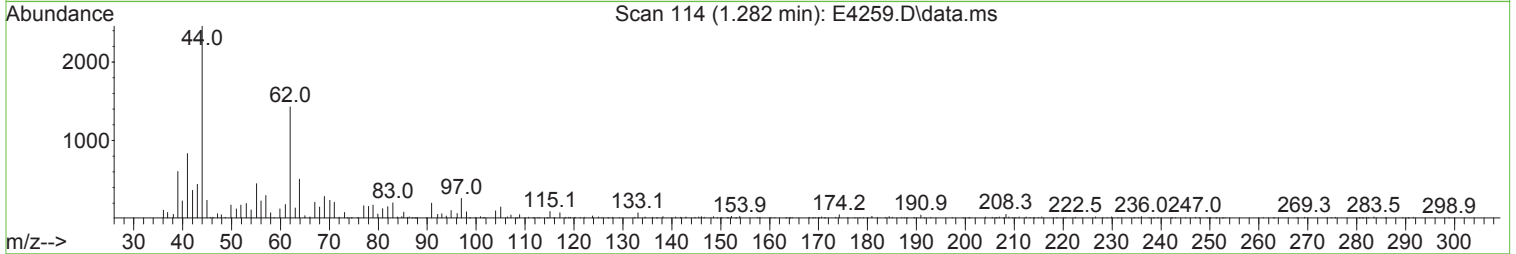
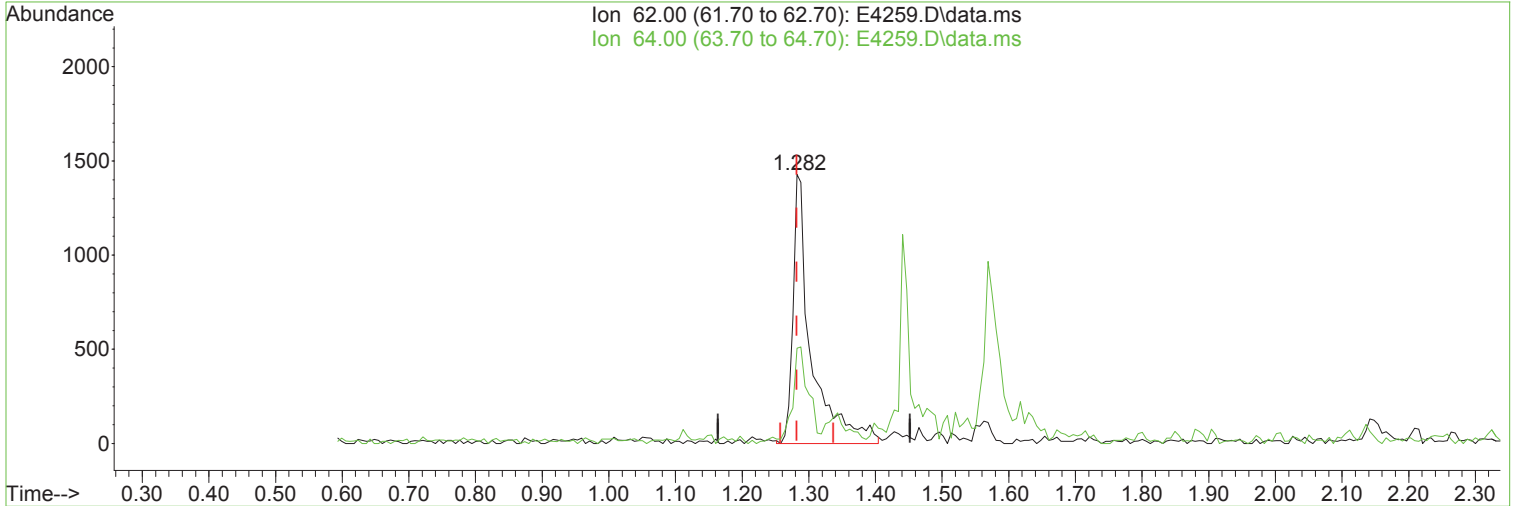
response 2487

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 64.70 | 52.23 |
| 47.00 | 28.30 | 30.05 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(5) Vinyl Chloride (P)

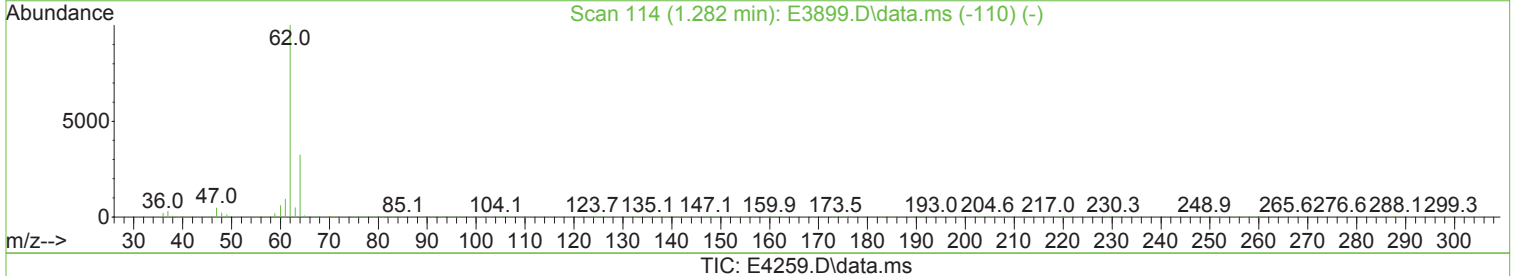
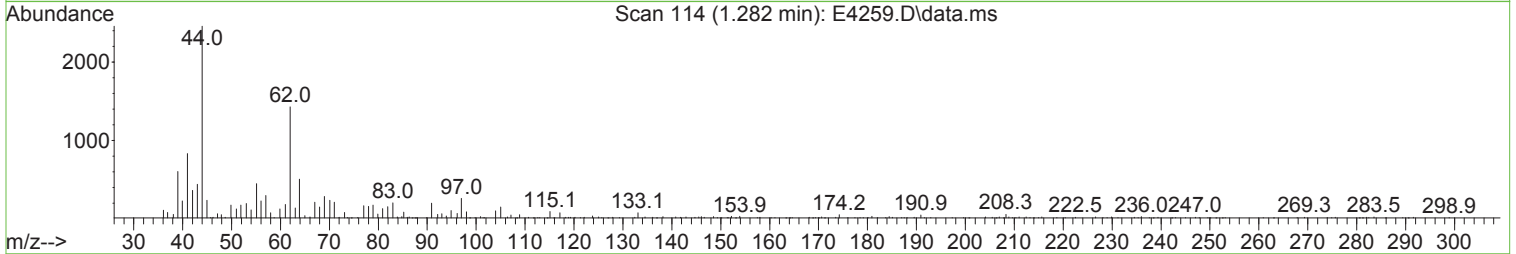
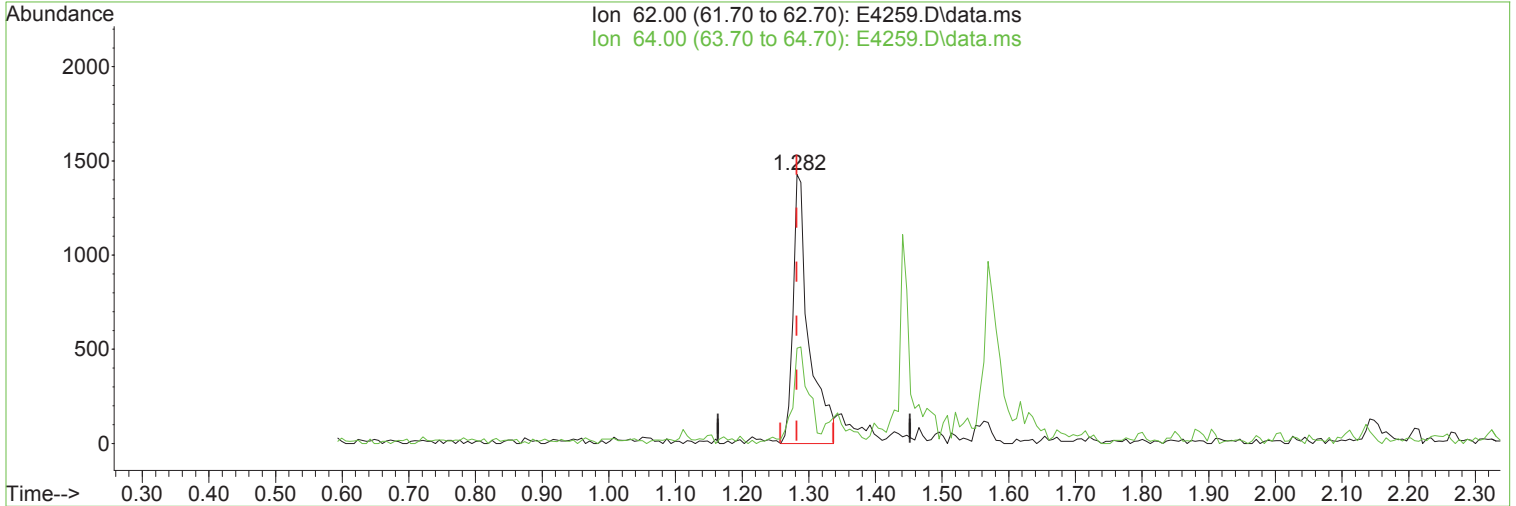
1.282min (+ 0.000) 0.68 ug/L m

| response | 2714 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 64.00 | 32.40 35.43 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Manual Integration:
 After
 Poor integration.
 08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(5) Vinyl Chloride (P) Manual Integration:

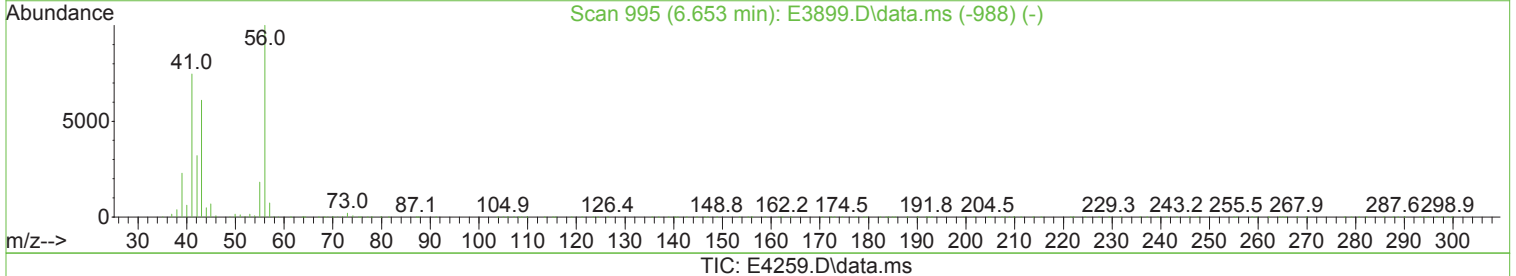
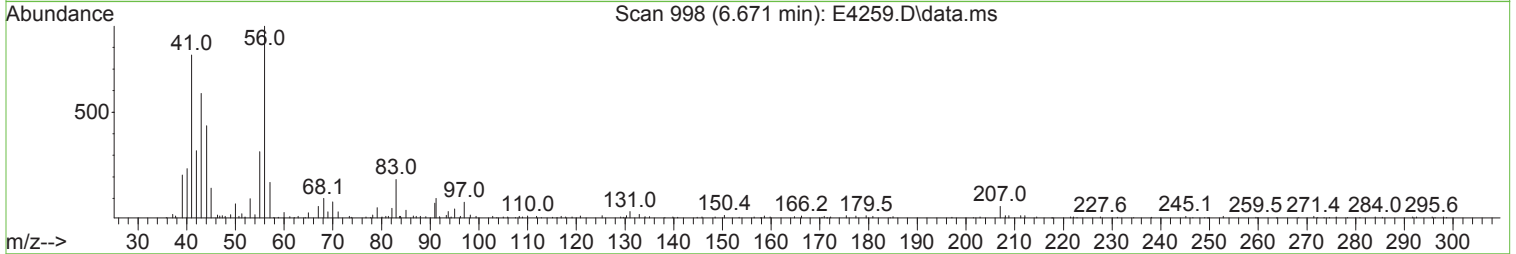
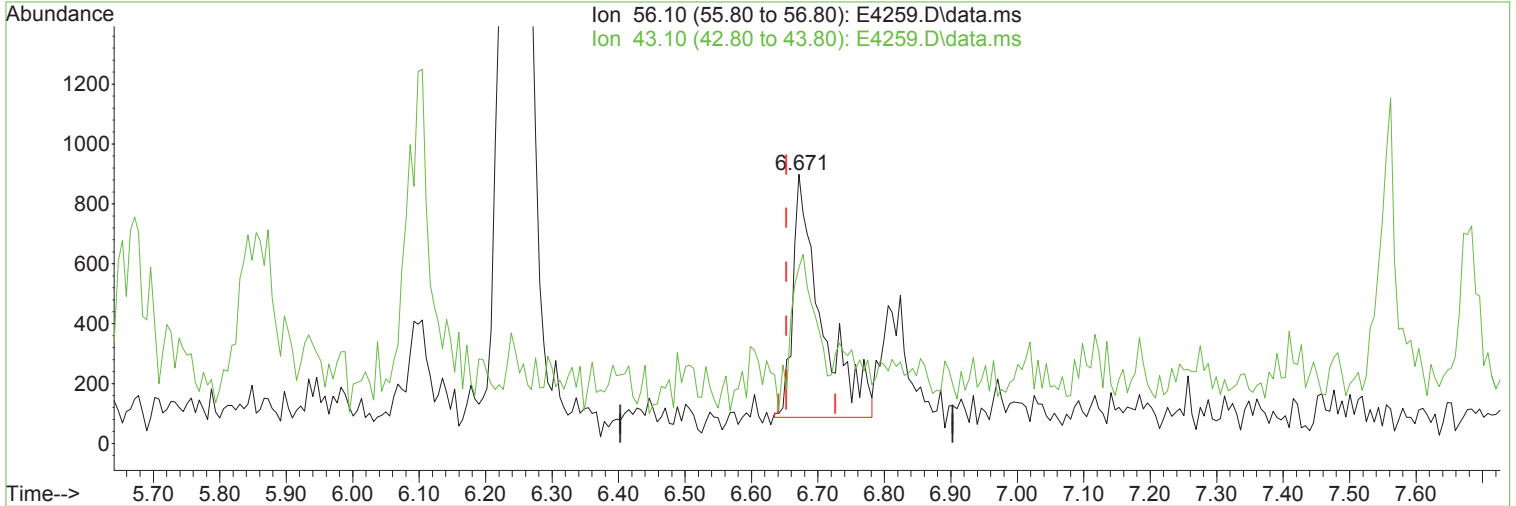
1.282min (+ 0.000) 0.59 ug/L Before

response 2349

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 62.00 | 100.00 | 100.00 | 08/05/23 |
| 64.00 | 32.40 | 35.43 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

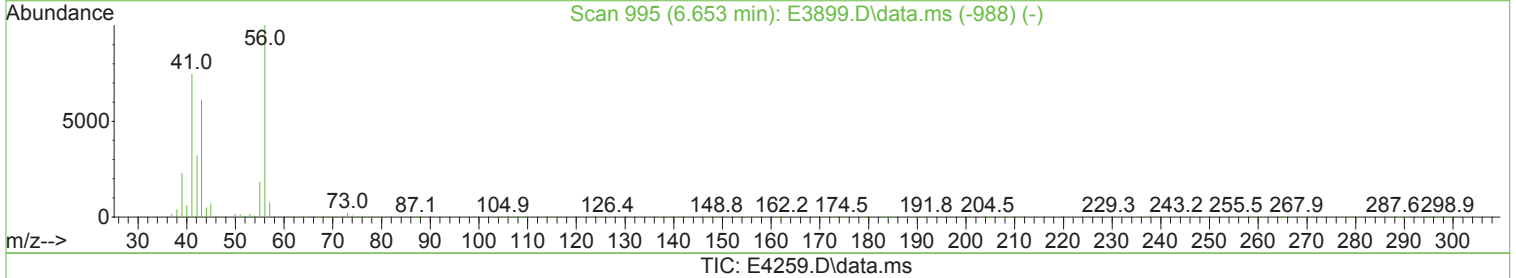
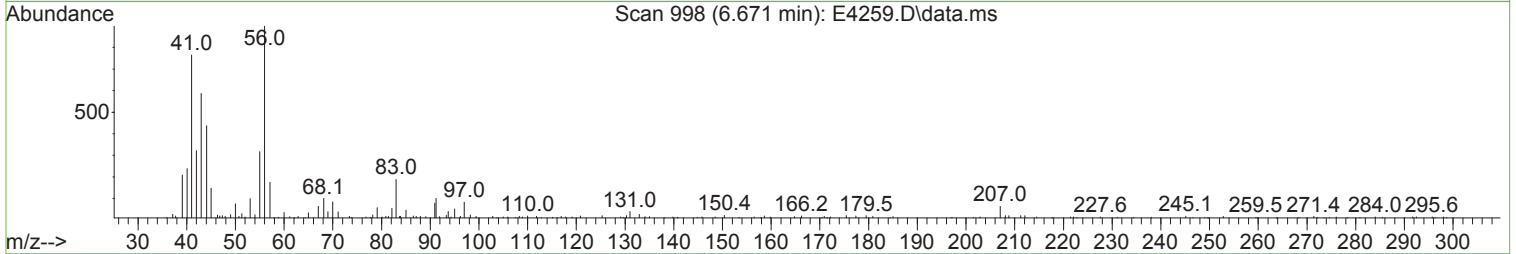
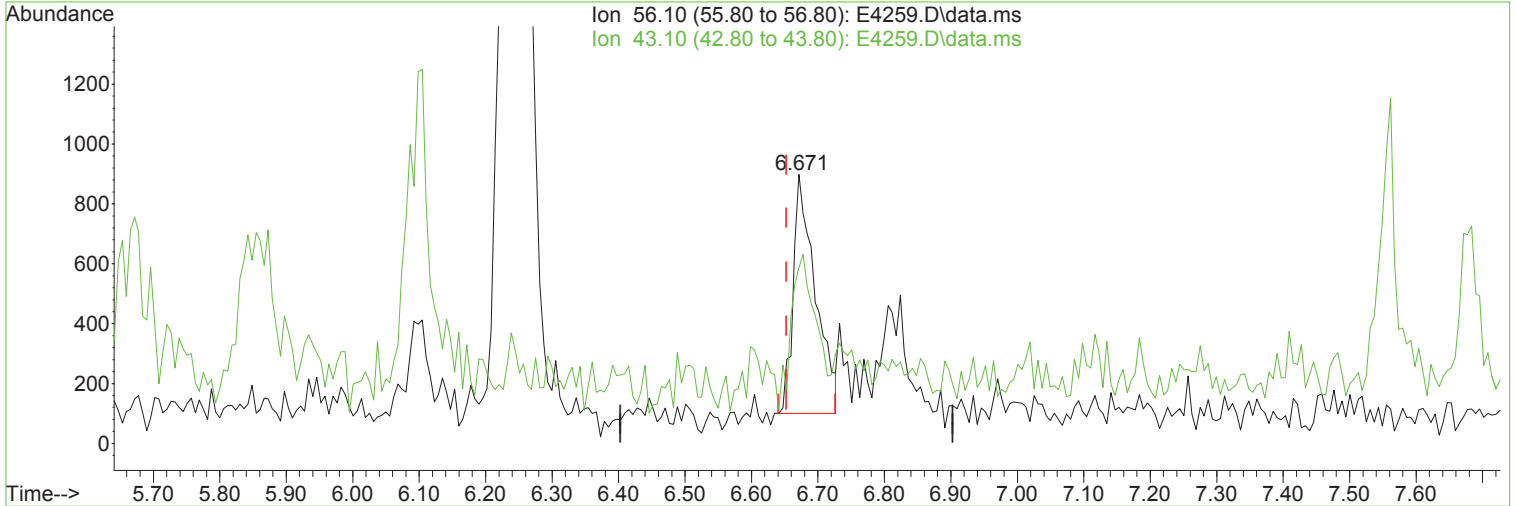
Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



| | | | |
|--------------------|--------------|--------|---------------------|
| (53) 1-Butanol | | | Manual Integration: |
| 6.671min (+ 0.019) | 20.69 ug/L m | | After |
| response | 2413 | | Poor integration. |
| Ion | Exp% | Act% | 08/05/23 |
| 56.10 | 100.00 | 100.00 | |
| 43.10 | 61.10 | 65.37 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

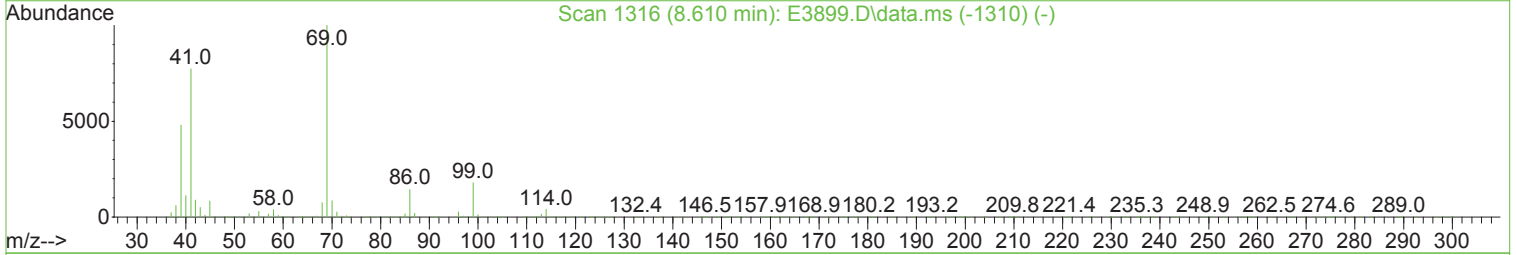
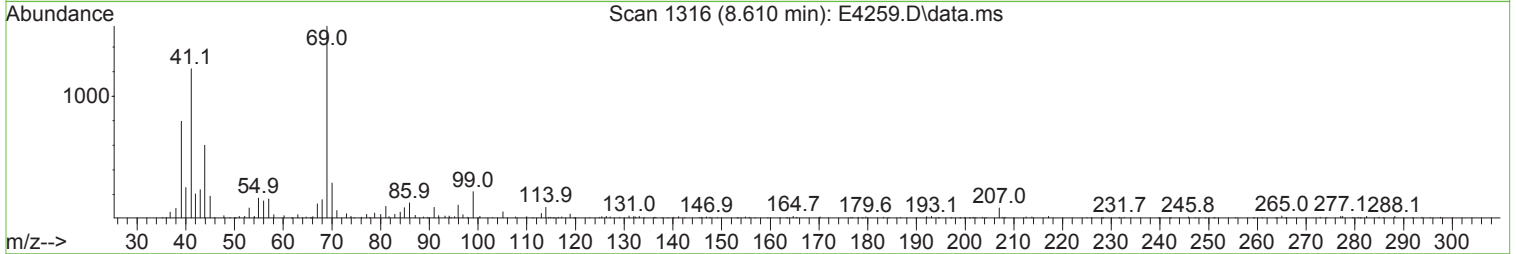
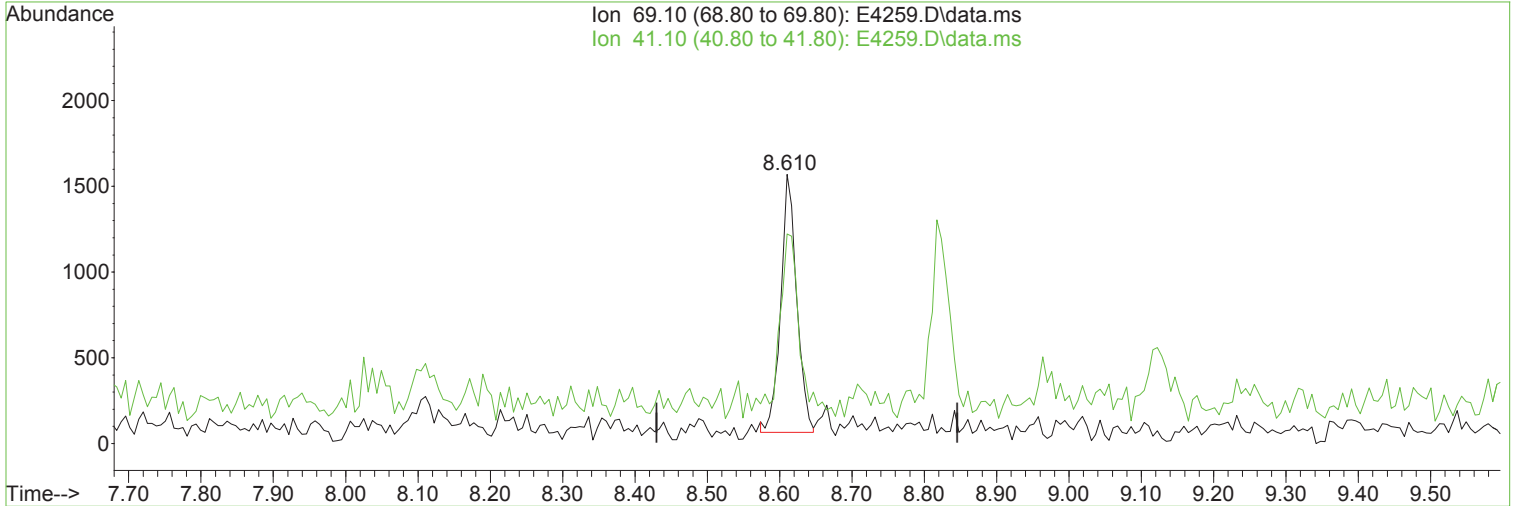
Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



| (53) 1-Butanol | | | Manual Integration: |
|--------------------|------------|--------|---------------------|
| 6.671min (+ 0.019) | 15.87 ug/L | | Before |
| response | 1851 | | |
| Ion | Exp% | Act% | 08/05/23 |
| 56.10 | 100.00 | 100.00 | |
| 43.10 | 61.10 | 65.37 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



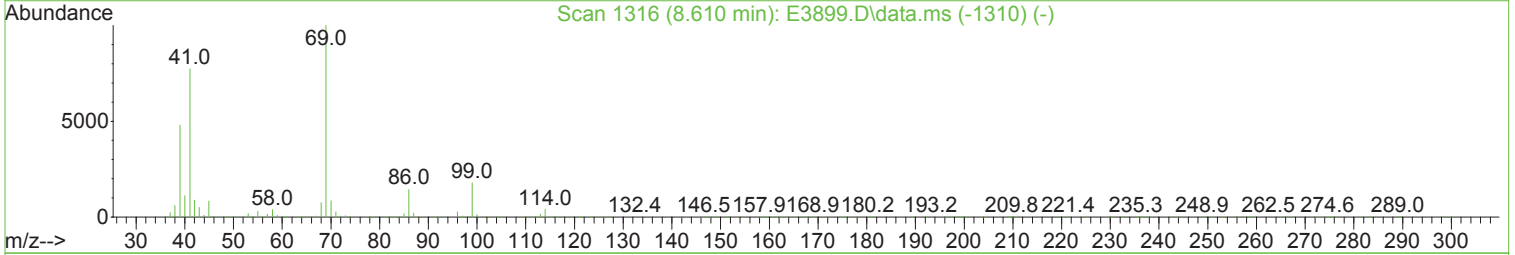
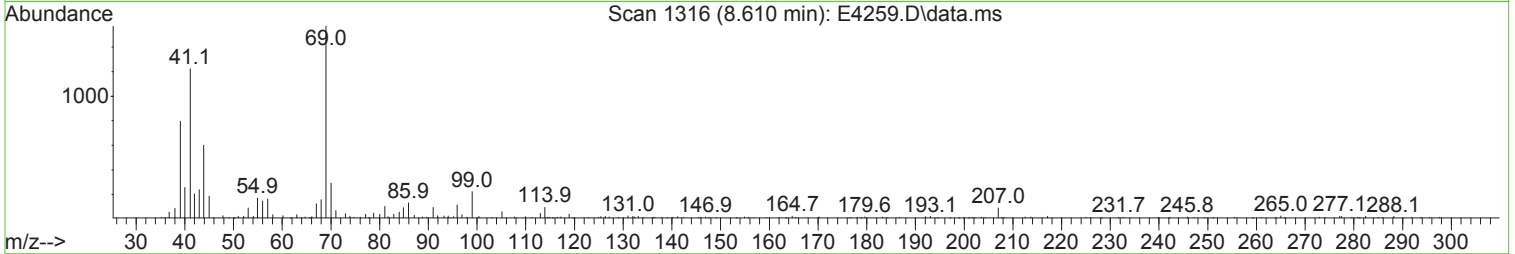
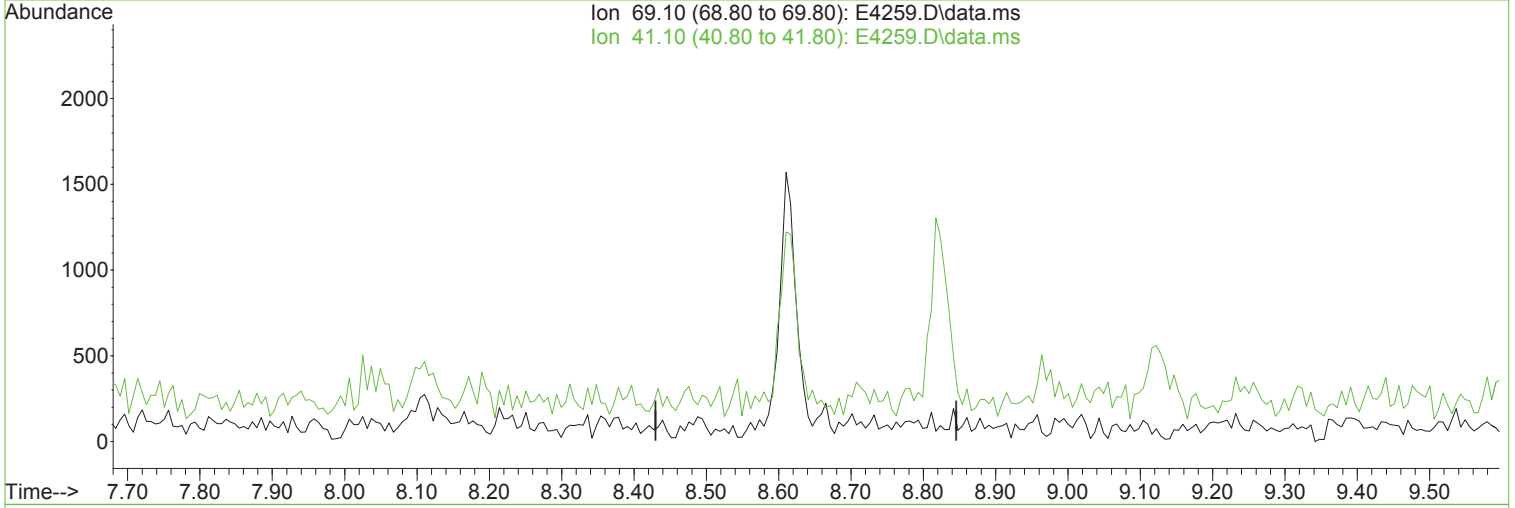
TIC: E4259.D\data.ms

| | | |
|--------------------|--------------------|--------|
| (68) | Ethyl Methacrylate | |
| 8.610min (+ 0.000) | 0.43 ug/L m | |
| response | 2302 | |
| Ion | Exp% | Act% |
| 69.10 | 100.00 | 100.00 |
| 41.10 | 77.40 | 77.88 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Peak not found.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(68) Ethyl Methacrylate

8.610min (-8.610) 0.00 ug/L

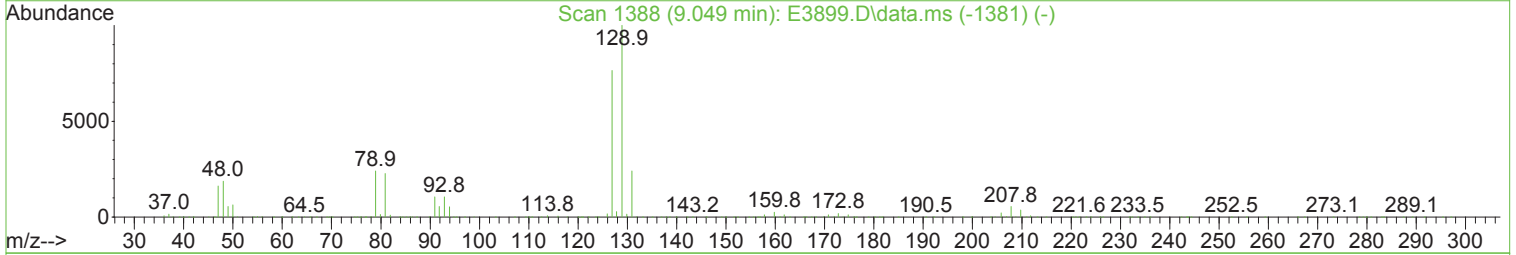
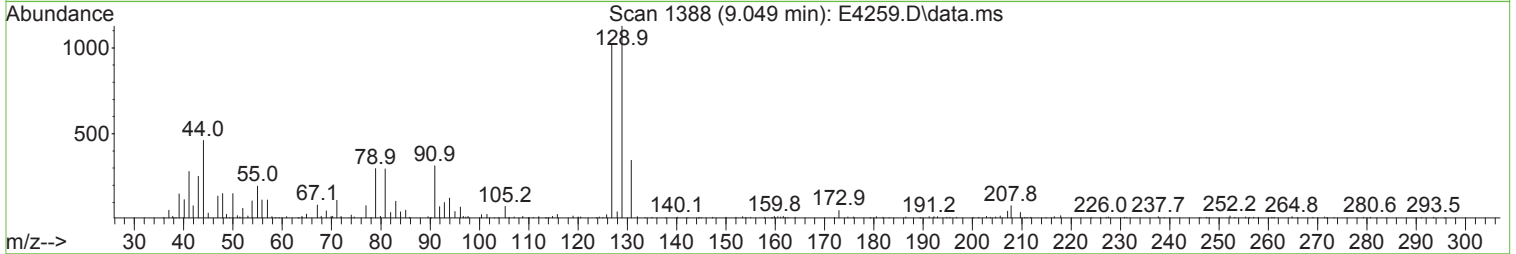
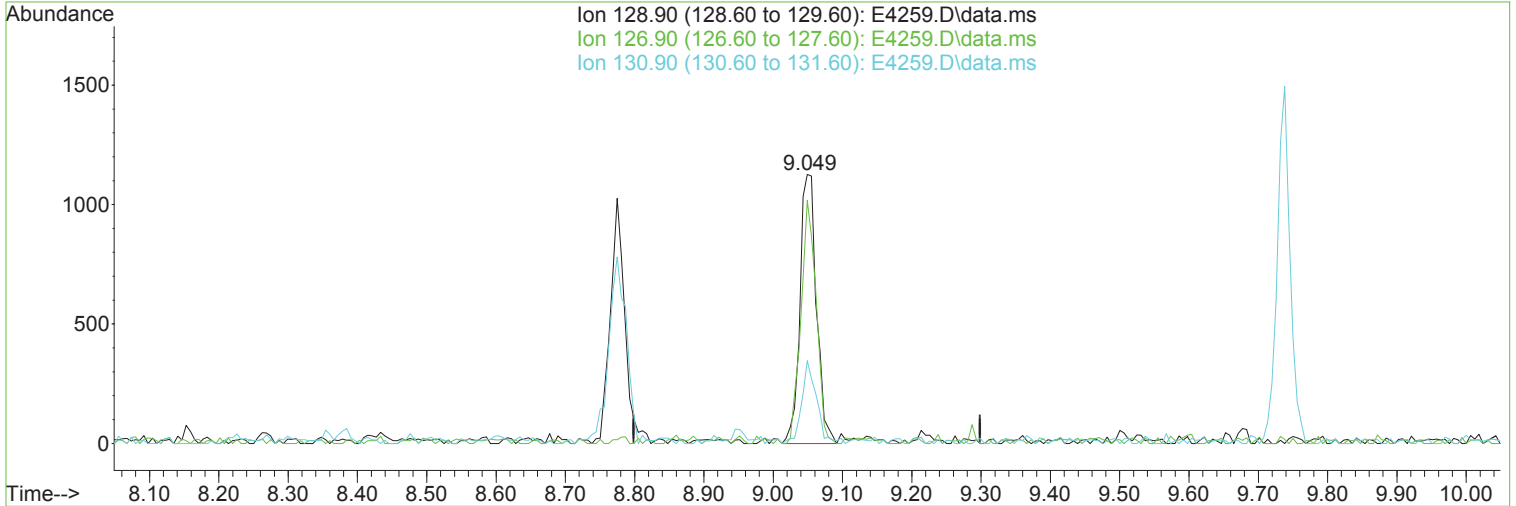
response 0

| Ion | Exp% | Act% |
|-------|--------|-------|
| 69.10 | 100.00 | 0.00 |
| 41.10 | 77.40 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
Before
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4259.D\data.ms

(75) Dibromochloromethane (P)

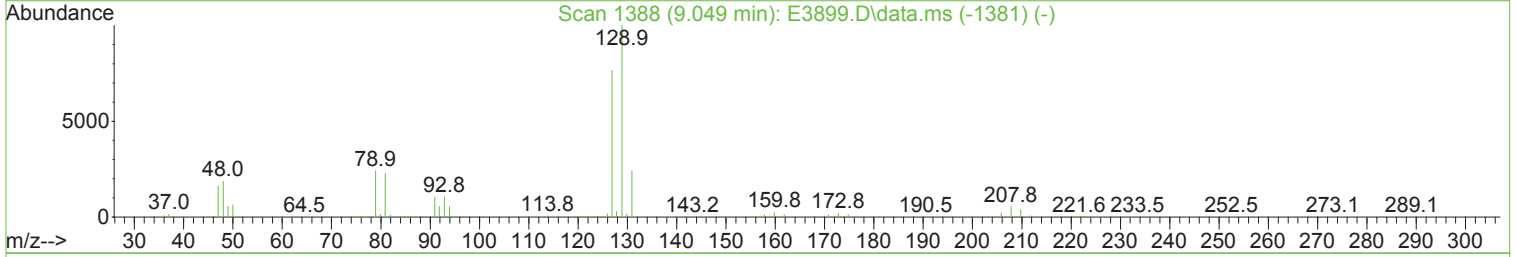
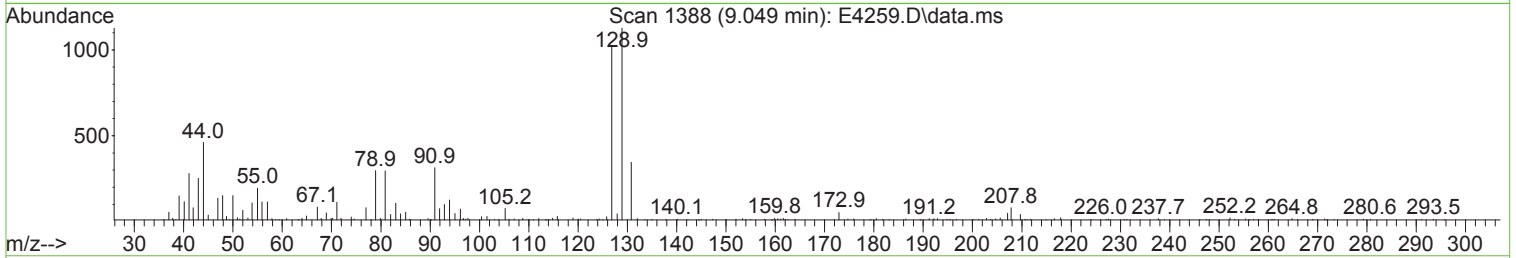
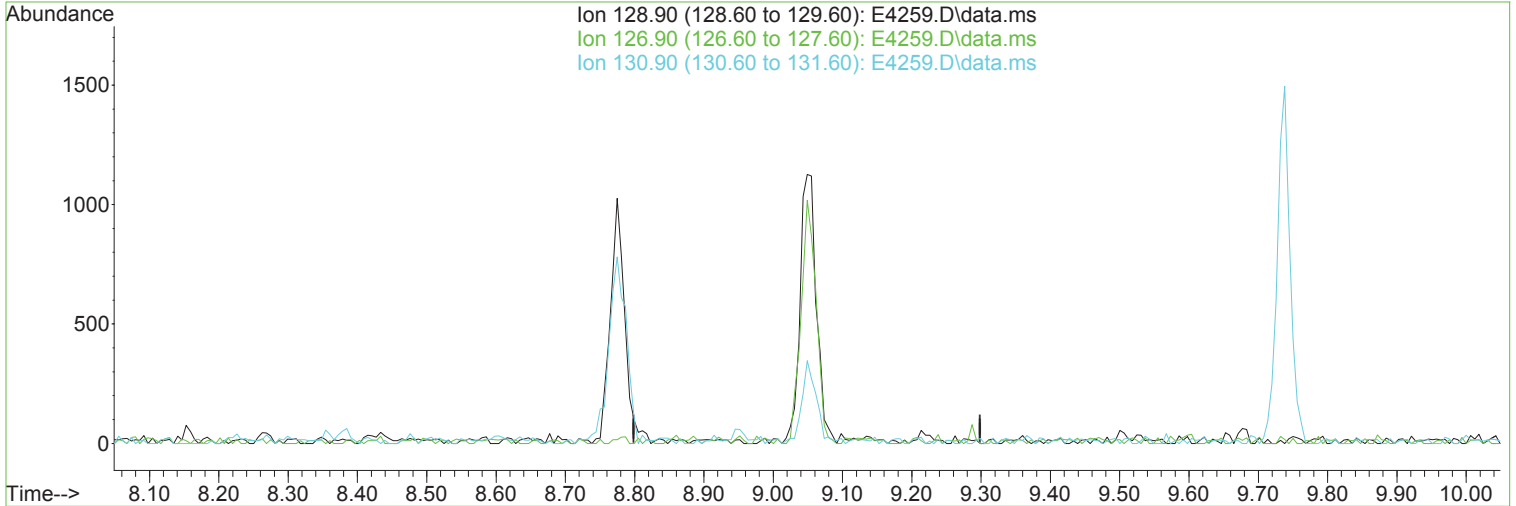
9.049min (+ 0.000) 0.44 ug/L m

| response | 1872 |
|----------|---------------|
| Ion | Exp% Act% |
| 128.90 | 100.00 100.00 |
| 126.90 | 76.40 90.41 |
| 130.90 | 24.00 30.73 |
| 0.00 | 0.00 0.00 |

Manual Integration:
After
Peak not found.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



TIC: E4259.D\data.ms

(75) Dibromochloromethane (P)

Manual Integration:

9.049min (-9.049) 0.00 ug/L

Before

response 0

| Ion | Exp% | Act% |
|--------|--------|-------|
| 128.90 | 100.00 | 0.00 |
| 126.90 | 76.40 | 0.00# |
| 130.90 | 24.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 369653 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 532983 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.616 | 117 | 472157 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 223072 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 38430 | 10.90 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 21.80%# |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 46170 | 11.43 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 22.86%# |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 148243 | 11.56 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 23.12%# |
| 70) SURR2,BFB | 10.701 | 95 | 55115 | 11.28 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 22.56%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 2007 | 0.591 | ug/L | 69 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 2731m | 0.712 | ug/L | |
| 4) Chloromethane | 1.221 | 50 | 2379m | 0.811 | ug/L | |
| 5) Vinyl Chloride | 1.282 | 62 | 2714m | 0.680 | ug/L | |
| 6) Bromomethane | 1.502 | 94 | 1330 | 0.496 | ug/L | 96 |
| 7) Chloroethane | 1.569 | 64 | 1225 | 0.454 | ug/L | 85 |
| 8) Freon 21 | 1.709 | 67 | 2745 | 0.504 | ug/L | 96 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 2745 | 0.535 | ug/L | 96 |
| 10) Diethyl Ether | 1.971 | 59 | 1505m | 0.624 | ug/L | |
| 11) Freon 123a | 1.977 | 67 | 2193 | 0.677 | ug/L | # 66 |
| 12) Freon 123 | 2.026 | 83 | 1964 | 0.495 | ug/L | 96 |
| 13) Acrolein | 2.063 | 56 | 1472 | 2.665 | ug/L | 89 |
| 14) 1,1-Dicethene | 2.148 | 96 | 1706 | 0.609 | ug/L | 90 |
| 15) Freon 113 | 2.148 | 101 | 1767 | 0.578 | ug/L | 89 |
| 17) 2-Propanol | 2.331 | 45 | 2930 | 10.406 | ug/L | # 56 |
| 18) Iodomethane | 2.270 | 142 | 1951 | 0.454 | ug/L | 97 |
| 19) Carbon Disulfide | 2.319 | 76 | 4757 | 0.571 | ug/L | 92 |
| 21) Allyl Chloride | 2.459 | 76 | 965 | 0.608 | ug/L | # 87 |
| 22) Methyl Acetate | 2.489 | 43 | 2547 | 0.656 | ug/L | 96 |
| 23) Methylene Chloride | 2.569 | 84 | 2026 | 0.648 | ug/L | # 88 |
| 24) TBA | 2.703 | 59 | 5327 | 10.791 | ug/L | 88 |
| 25) Acrylonitrile | 2.818 | 53 | 3882 | 2.678 | ug/L | 93 |
| 26) Methyl-t-Butyl Ether | 2.855 | 73 | 5422 | 0.545 | ug/L | 89 |
| 27) trans-1,2-Dichloroethene | 2.843 | 96 | 2021 | 0.636 | ug/L | # 65 |
| 28) 1,1-Dicethane | 3.306 | 63 | 2539 | 0.503 | ug/L | 93 |
| 30) DIPE | 3.428 | 45 | 4863 | 0.533 | ug/L | 90 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 2676 | 0.556 | ug/L | 81 |
| 32) ETBE | 3.922 | 59 | 5375 | 0.567 | ug/L | 96 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 2516m | 0.442 | ug/L | |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 2003m | 0.579 | ug/L | |
| 36) Propionitrile | 4.245 | 54 | 1646 | 2.720 | ug/L | # 50 |
| 37) Bromochloromethane | 4.458 | 130 | 1266m | 0.600 | ug/L | |
| 38) Methacrylonitrile | 4.489 | 67 | 865 | 0.538 | ug/L | 99 |
| 40) Chloroform | 4.635 | 83 | 3620m | 0.662 | ug/L | |
| 41) 1,1,1-Trichloroethane | 4.916 | 97 | 2833 | 0.551 | ug/L | 87 |
| 42) TAME | 5.855 | 73 | 4756 | 0.514 | ug/L | 92 |
| 46) Carbontetrachloride | 5.208 | 117 | 2161 | 0.488 | ug/L | 88 |
| 47) 1,1-Dichloropropene | 5.233 | 75 | 2384 | 0.589 | ug/L | 82 |
| 49) Benzene | 5.580 | 78 | 6277 | 0.542 | ug/L | 96 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 50) 1,2-Dichloroethane | 5.635 | 62 | 2480 | 0.548 | ug/L | 89 |
| 52) n-Heptane | 6.104 | 43 | 2801 | 0.674 | ug/L | 92 |
| 53) 1-Butanol | 6.671 | 56 | 2413m | 20.692 | ug/L | |
| 54) Trichloroethene | 6.580 | 130 | 2135 | 0.595 | ug/L # | 82 |
| 55) Methylcyclohexane | 6.818 | 55 | 2413 | 0.652 | ug/L | 93 |
| 56) 1,2-Diclpropane | 6.873 | 63 | 1767 | 0.588 | ug/L | 87 |
| 57) Dibromomethane | 7.013 | 93 | 1216 | 0.551 | ug/L # | 77 |
| 58) 1,4-Dioxane | 7.123 | 88 | 632 | 11.423 | ug/L | 97 |
| 59) Methyl Methacrylate | 7.129 | 69 | 1688 | 0.619 | ug/L # | 83 |
| 60) Bromodichloromethane | 7.251 | 83 | 2680 | 0.579 | ug/L | 85 |
| 61) 2-Nitropropane | 7.555 | 41 | 1507 | 1.281 | ug/L | 96 |
| 62) 2-Chloroethylvinyl Ether | 7.683 | 63 | 1028 | 0.534 | ug/L | 65 |
| 63) cis-1,3-Dichloropropene | 7.811 | 75 | 2842 | 0.550 | ug/L | 90 |
| 66) Toluene | 8.171 | 91 | 7083 | 0.537 | ug/L | 93 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 2488 | 0.520 | ug/L | 91 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 2302m | 0.427 | ug/L | |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 1788 | 0.567 | ug/L | 98 |
| 72) Tetrachloroethene | 8.775 | 164 | 1640 | 0.572 | ug/L # | 86 |
| 73) 2-Hexanone | 8.970 | 43 | 1366 | 0.484 | ug/L | 89 |
| 74) 1,3-Dichloropropane | 8.823 | 76 | 2864 | 0.565 | ug/L | 98 |
| 75) Dibromochloromethane | 9.049 | 129 | 1872m | 0.443 | ug/L | |
| 76) N-Butyl Acetate | 9.116 | 43 | 2903 | 0.517 | ug/L | 94 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 1815 | 0.540 | ug/L | 96 |
| 78) 3-Chlorobenzotrifluoride | 9.671 | 180 | 2760 | 0.530 | ug/L # | 91 |
| 79) Chlorobenzene | 9.647 | 112 | 4830 | 0.548 | ug/L | 97 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 2696 | 0.575 | ug/L | 93 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 1949 | 0.554 | ug/L | 83 |
| 82) Ethylbenzene | 9.768 | 106 | 2620 | 0.571 | ug/L # | 90 |
| 83) (m+p)Xylene | 9.884 | 106 | 6599 | 1.152 | ug/L | 95 |
| 84) o-Xylene | 10.244 | 106 | 3216 | 0.571 | ug/L # | 82 |
| 85) Styrene | 10.256 | 104 | 5371 | 0.563 | ug/L | 82 |
| 86) Bromoform | 10.409 | 173 | 1407 | 0.493 | ug/L | 80 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 2770 | 0.545 | ug/L | 98 |
| 88) Isopropylbenzene | 10.579 | 105 | 8103 | 0.585 | ug/L | 96 |
| 89) Cyclohexanone | 10.652 | 55 | 7138 | 10.193 | ug/L | 87 |
| 90) trans-1,4-Dichloro-2-B... | 10.896 | 53 | 728 | 0.534 | ug/L | 88 |
| 92) 1,1,2,2-Tetrachloroethane | 10.848 | 83 | 2126 | 0.537 | ug/L | 98 |
| 93) Bromobenzene | 10.823 | 156 | 2163 | 0.577 | ug/L # | 76 |
| 94) 1,2,3-Trichloropropane | 10.872 | 110 | 847 | 0.618 | ug/L # | 77 |
| 95) n-Propylbenzene | 10.939 | 91 | 9031 | 0.610 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 5445 | 0.607 | ug/L | 97 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 5484 | 0.597 | ug/L | 91 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 6849 | 0.627 | ug/L | 98 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 6858 | 0.601 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.366 | 119 | 5913 | 0.609 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 6305 | 0.573 | ug/L | 94 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 2132 | 0.577 | ug/L | 85 |
| 103) sec-Butylbenzene | 11.549 | 105 | 8600 | 0.620 | ug/L | 96 |
| 104) p-Isopropyltoluene | 11.671 | 119 | 7404 | 0.608 | ug/L | 97 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 4048 | 0.595 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 4141 | 0.595 | ug/L | 92 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 1820 | 0.550 | ug/L | 86 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 2138 | 0.583 | ug/L | 91 |
| 109) n-Butylbenzene | 12.006 | 91 | 5980 | 0.571 | ug/L | 87 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 3909 | 0.587 | ug/L | 93 |
| 111) 1,2-Dibromo-3-chloropr... | 12.628 | 157 | 634 | 0.580 | ug/L # | 79 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

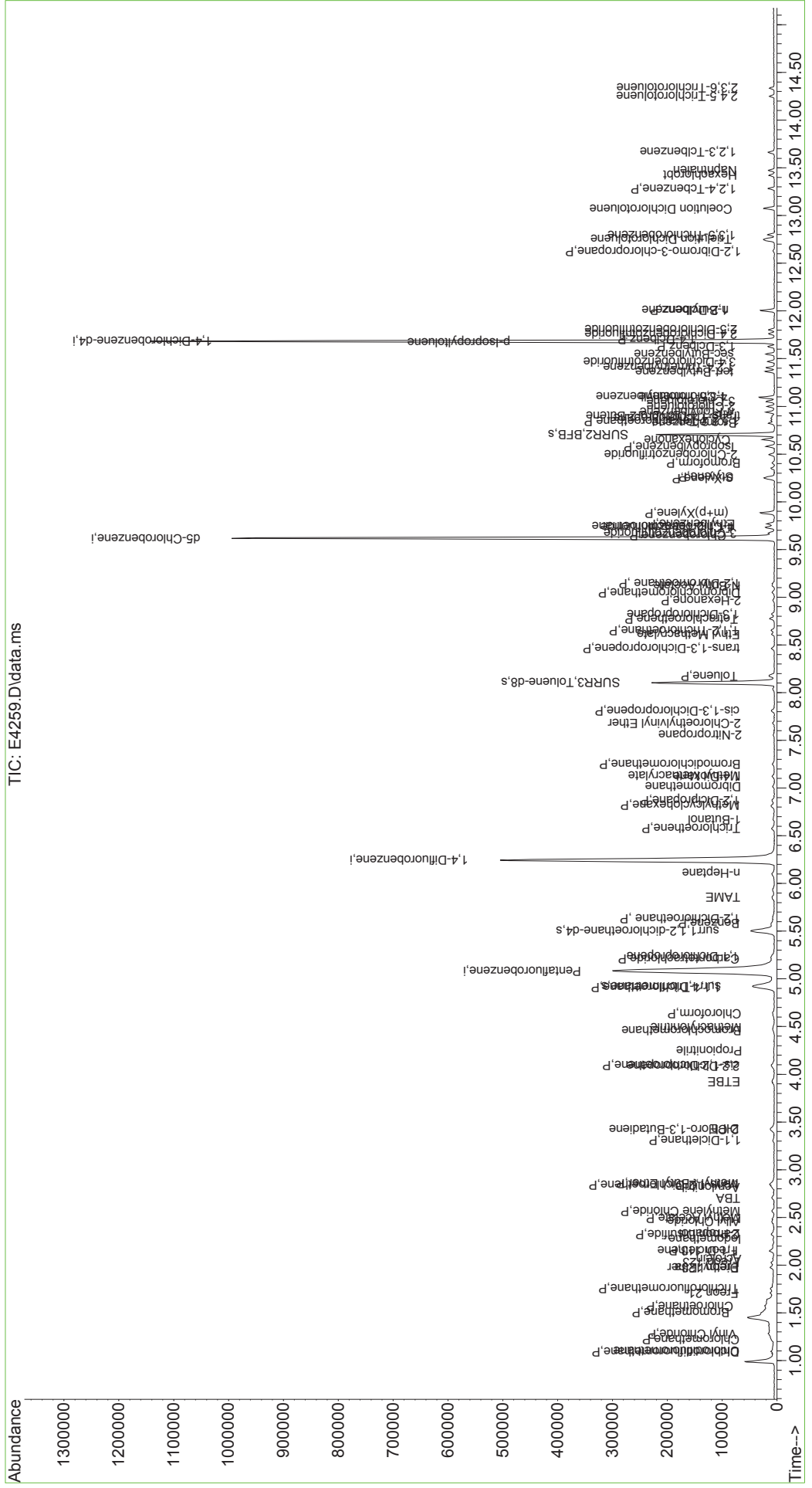
Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|-------|----------|
| 112) Trielution Dichlorotol... | 12.750 | 125 | 9609 | 1.689 | ug/L | 95 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 2994 | 0.599 | ug/L | 89 |
| 114) Coelution Dichlorotoluene | 13.073 | 125 | 6850 | 1.139 | ug/L | 93 |
| 115) 1,2,4-Tcbenzene | 13.280 | 180 | 2946 | 0.584 | ug/L | 90 |
| 116) Hexachlorobt | 13.420 | 225 | 1493 | 0.635 | ug/L | 93 |
| 117) Naphthalen | 13.475 | 128 | 6351 | 0.508 | ug/L | 97 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 2678 | 0.548 | ug/L | 91 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 1888 | 0.593 | ug/L | 85 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 1590 | 0.535 | ug/L | 89 |

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

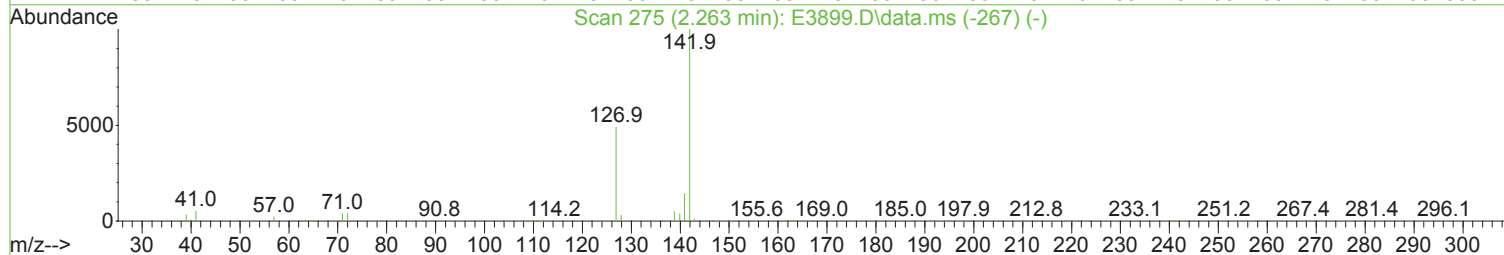
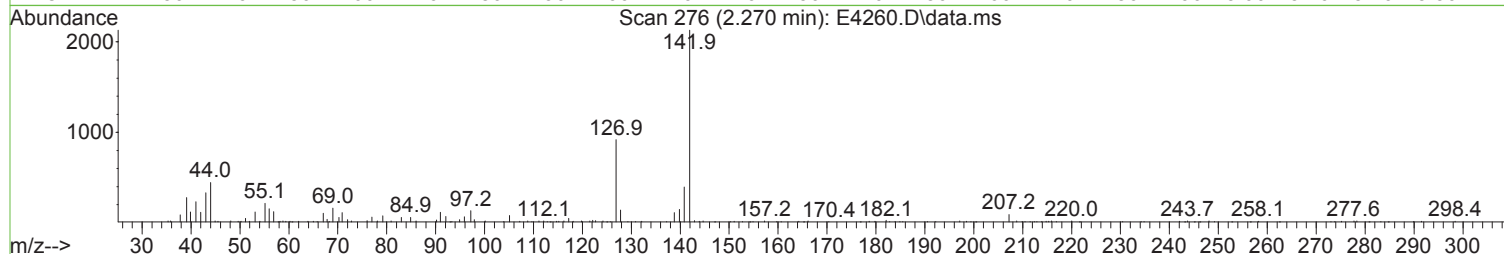
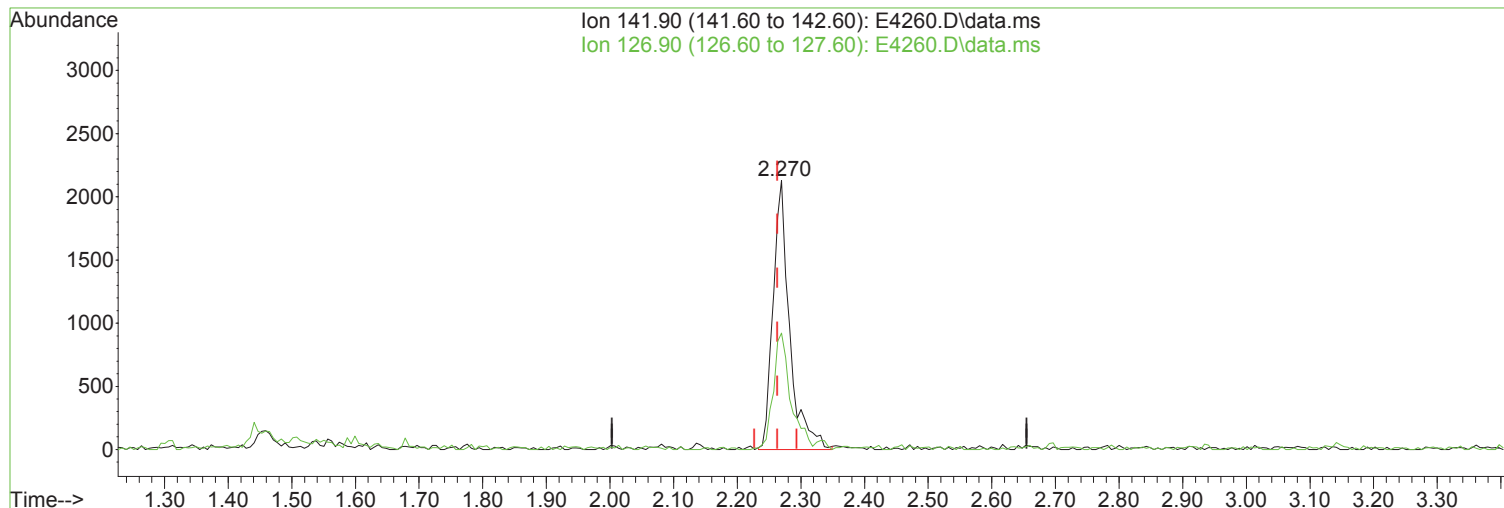
Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4259.D
 Acq On : 04 Aug 2023 04:24 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : WATER ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4260.D\data.ms

(18) Iodomethane

2.270min (+ 0.007) 0.91 ug/L m

response 3842

| Ion | Exp% | Act% |
|--------|--------|--------|
| 141.90 | 100.00 | 100.00 |
| 126.90 | 48.90 | 43.26 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

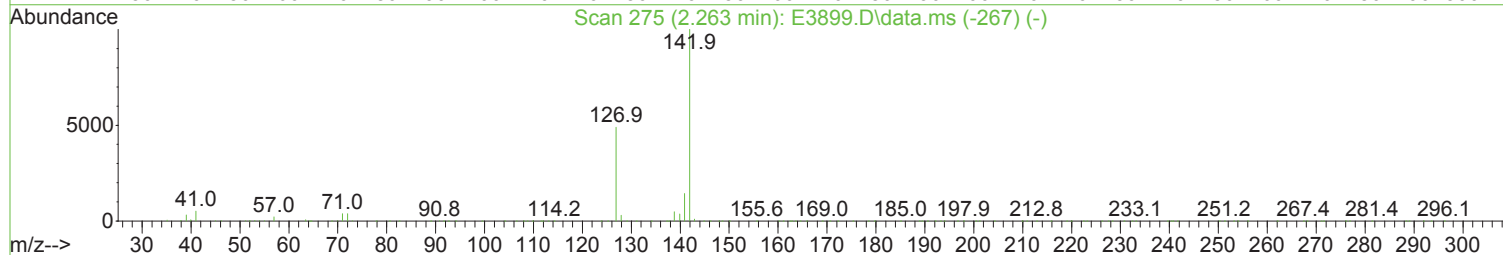
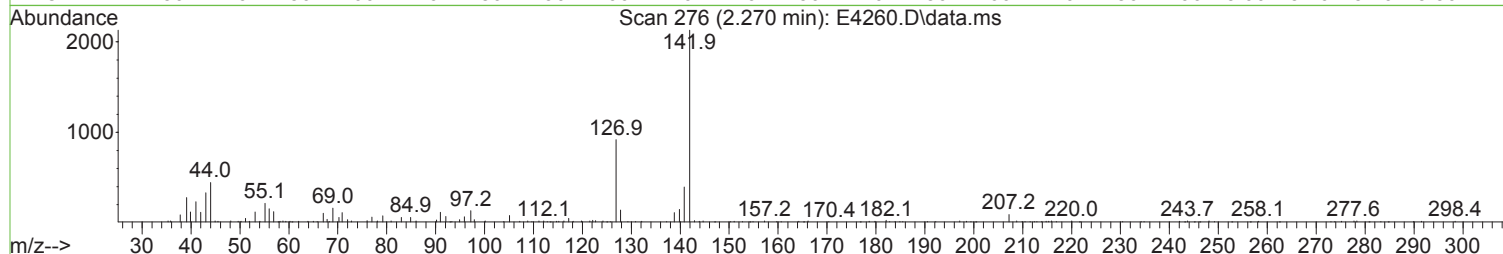
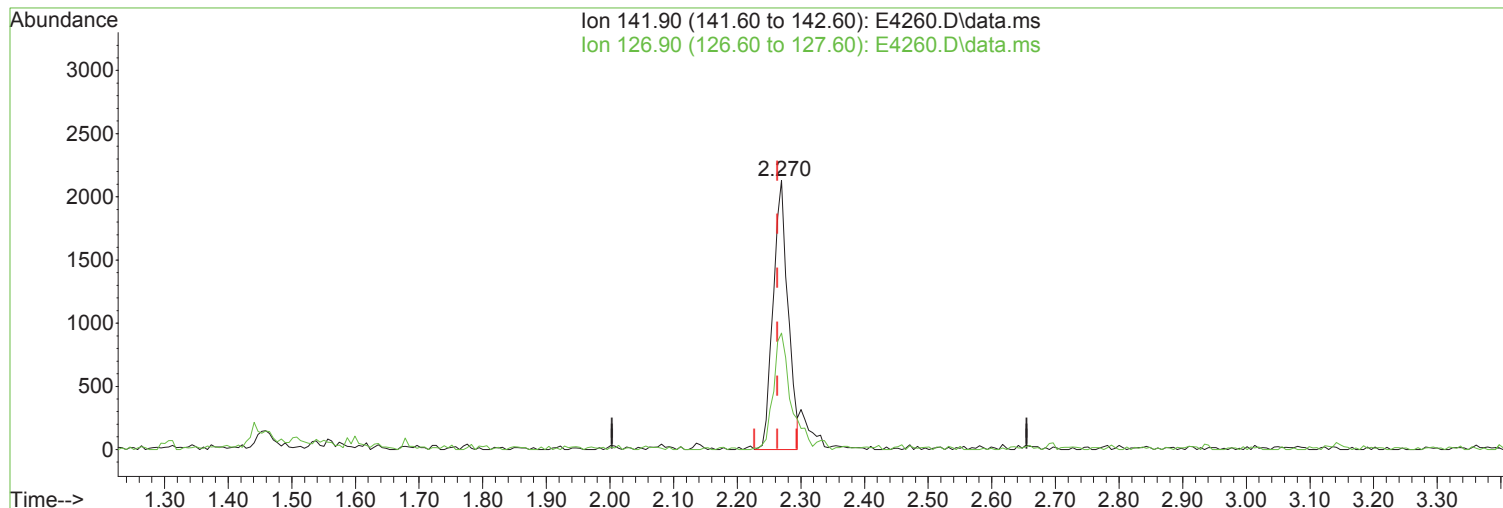
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4260.D\data.ms

(18) Iodomethane

Manual Integration:

2.270min (+ 0.007) 0.81 ug/L

Before

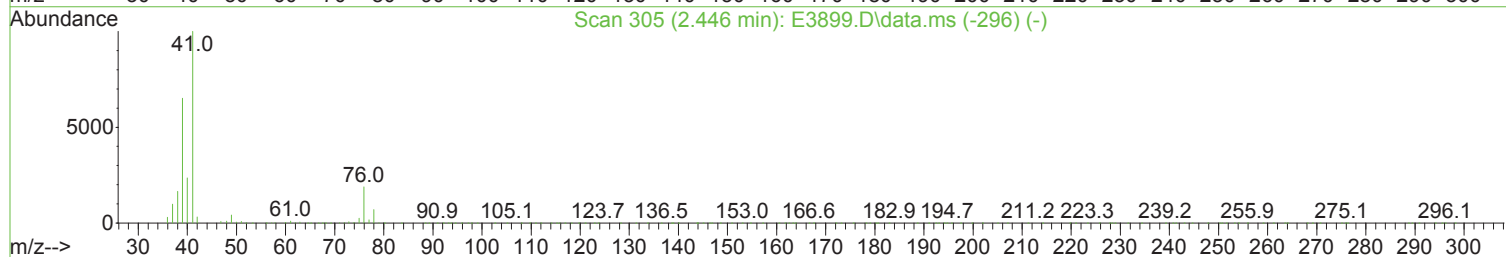
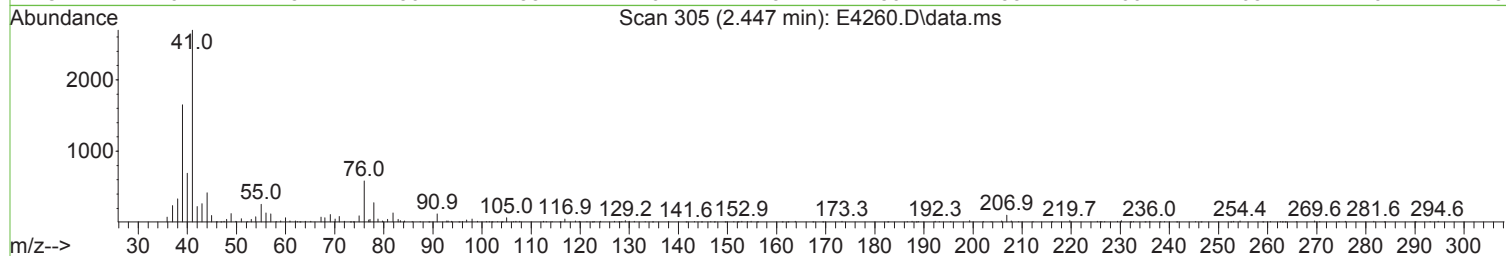
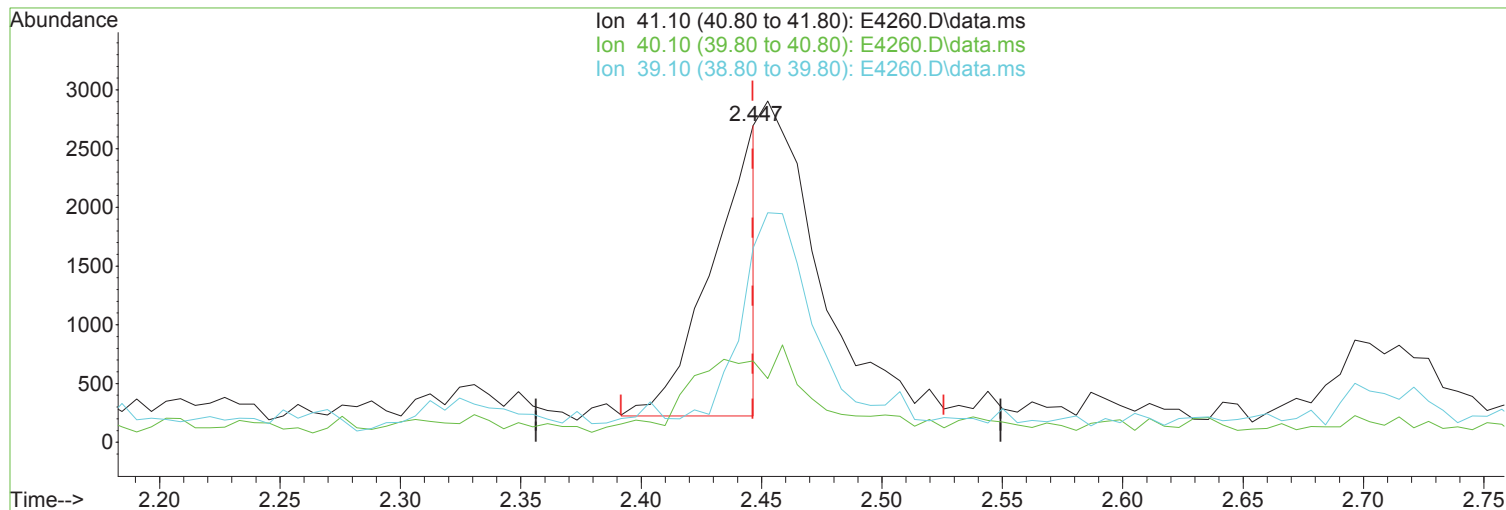
response 3436

| Ion | Exp% | Act% |
|--------|--------|--------|
| 141.90 | 100.00 | 100.00 |
| 126.90 | 48.90 | 43.26 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

2.447min (+ 0.000) 2.61 ug/L m

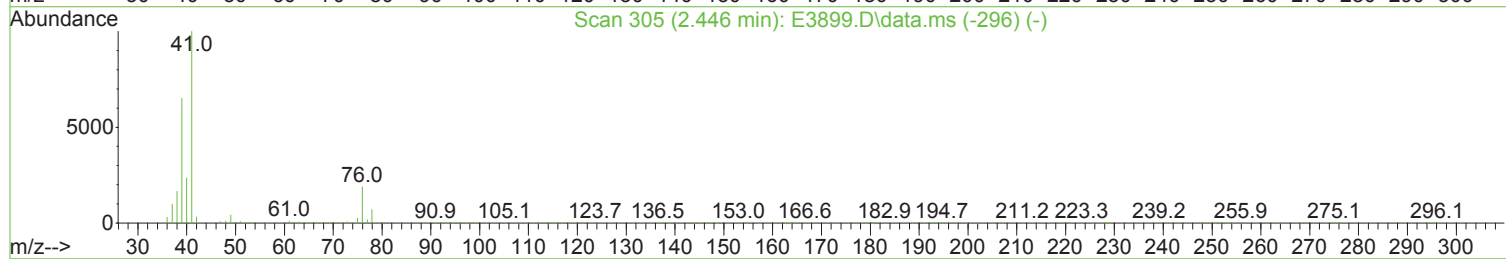
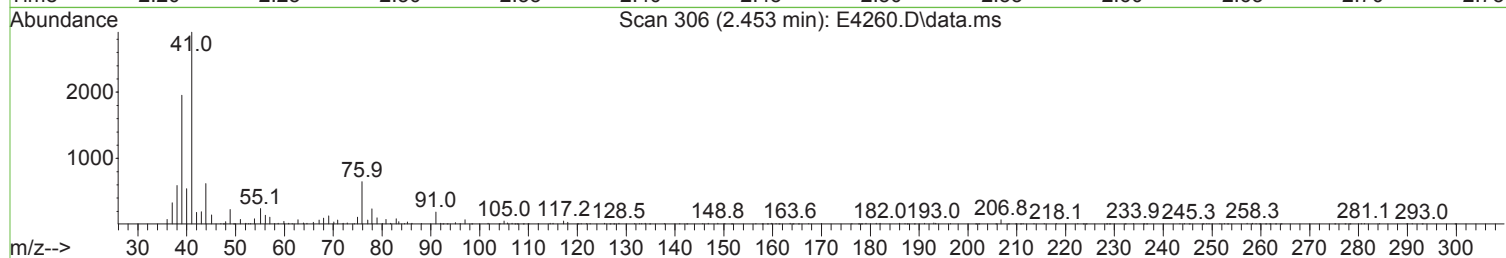
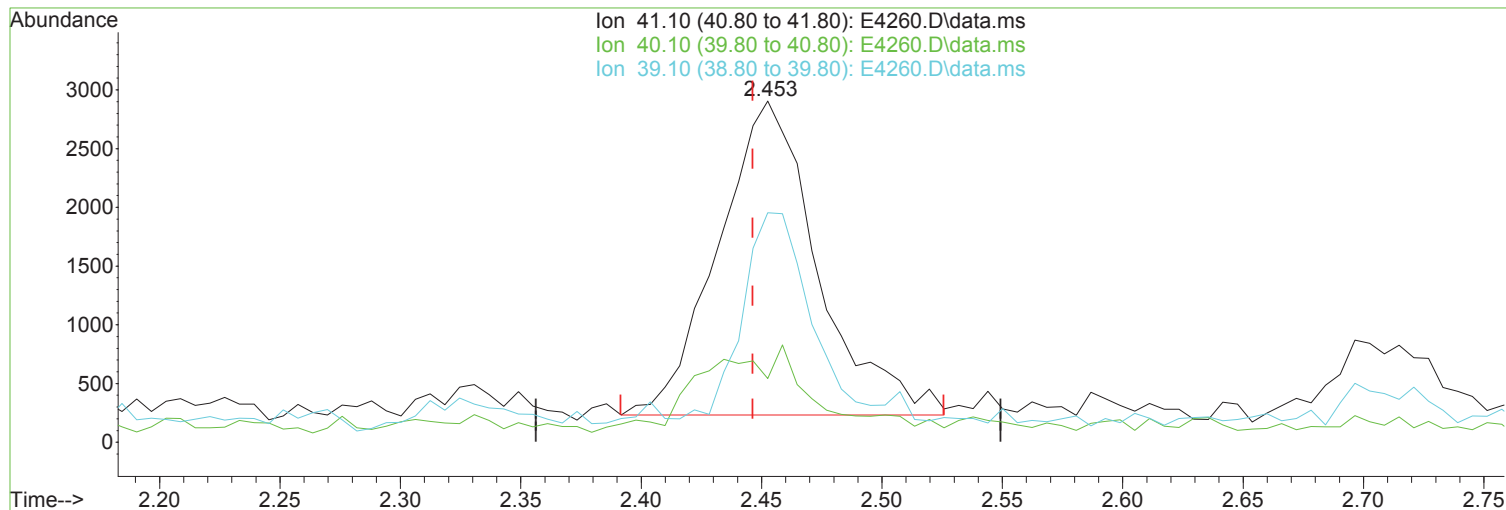
response 3307

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 25.69 |
| 39.10 | 65.30 | 61.28 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 6.08 ug/L

Before

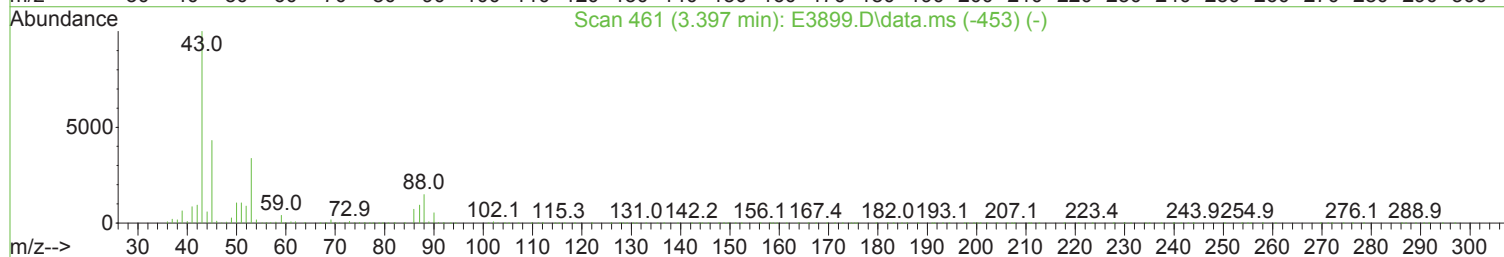
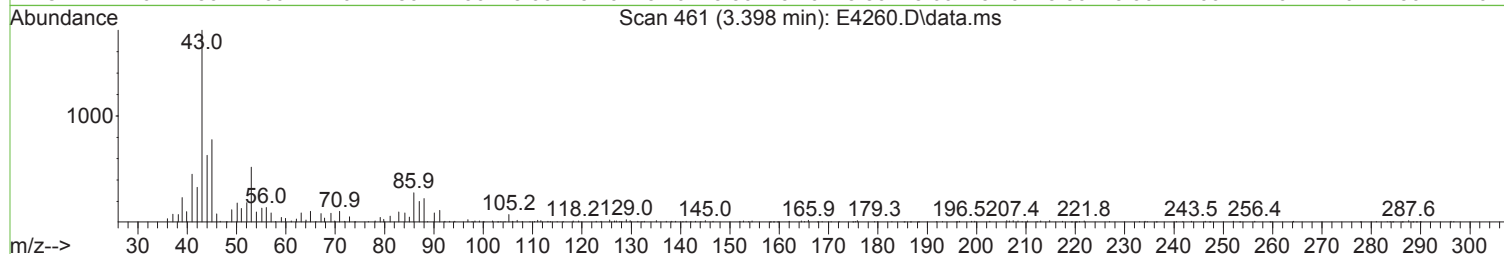
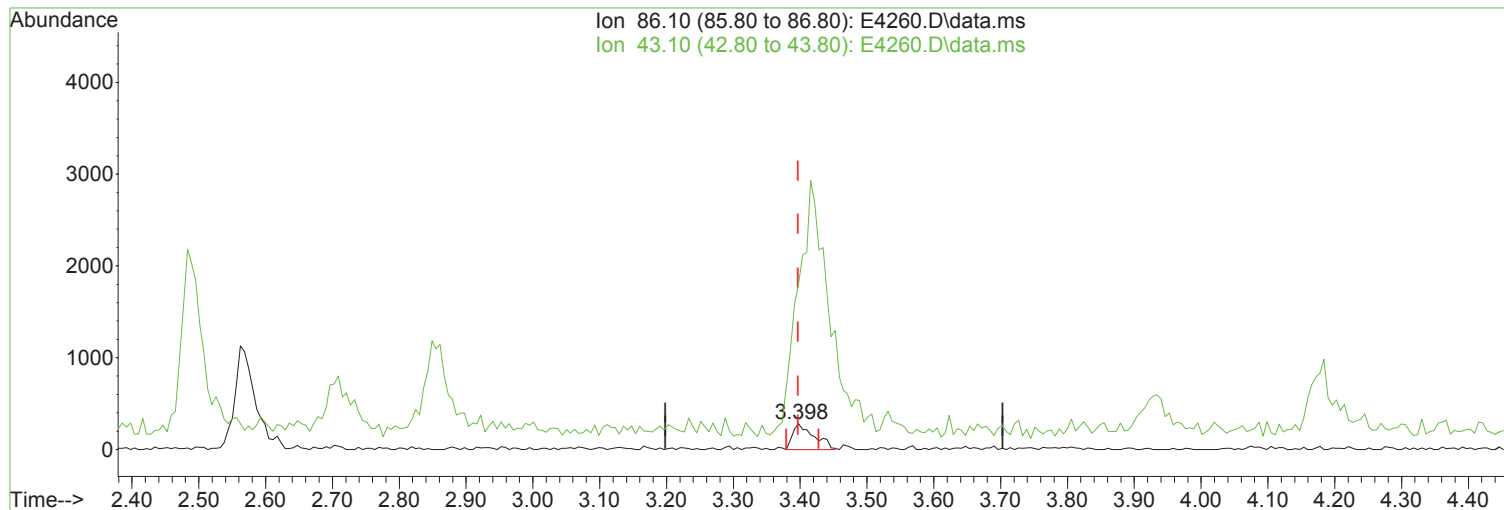
response 7714

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 18.69 |
| 39.10 | 65.30 | 67.21 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(29) Vinyl Acetate

Manual Integration:

3.398min (+ 0.000) 1.36 ug/L m

After

response 626

Poor integration.

Ion Exp% Act%

08/05/23

86.10 100.00 100.00

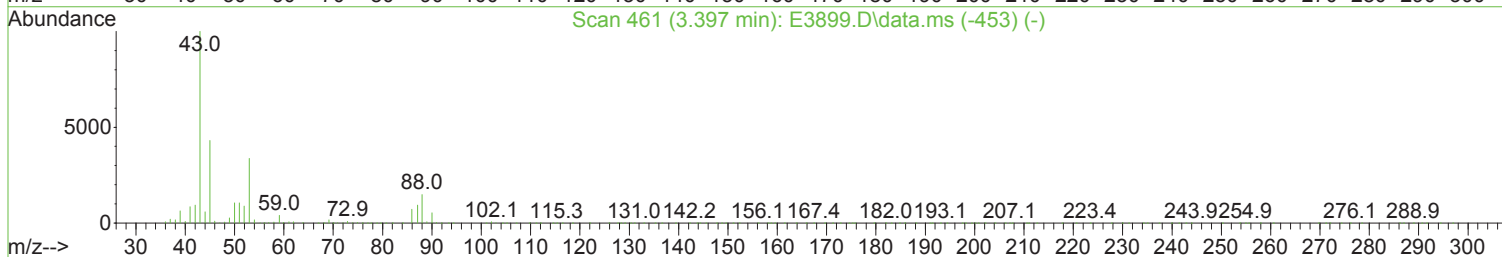
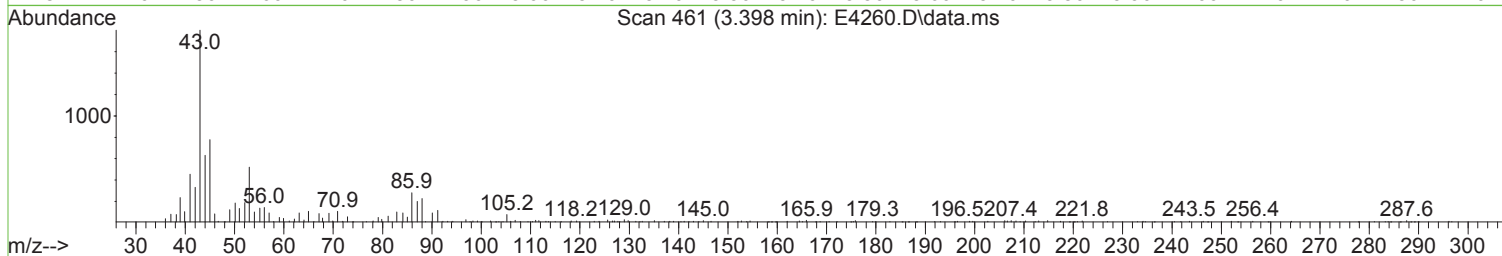
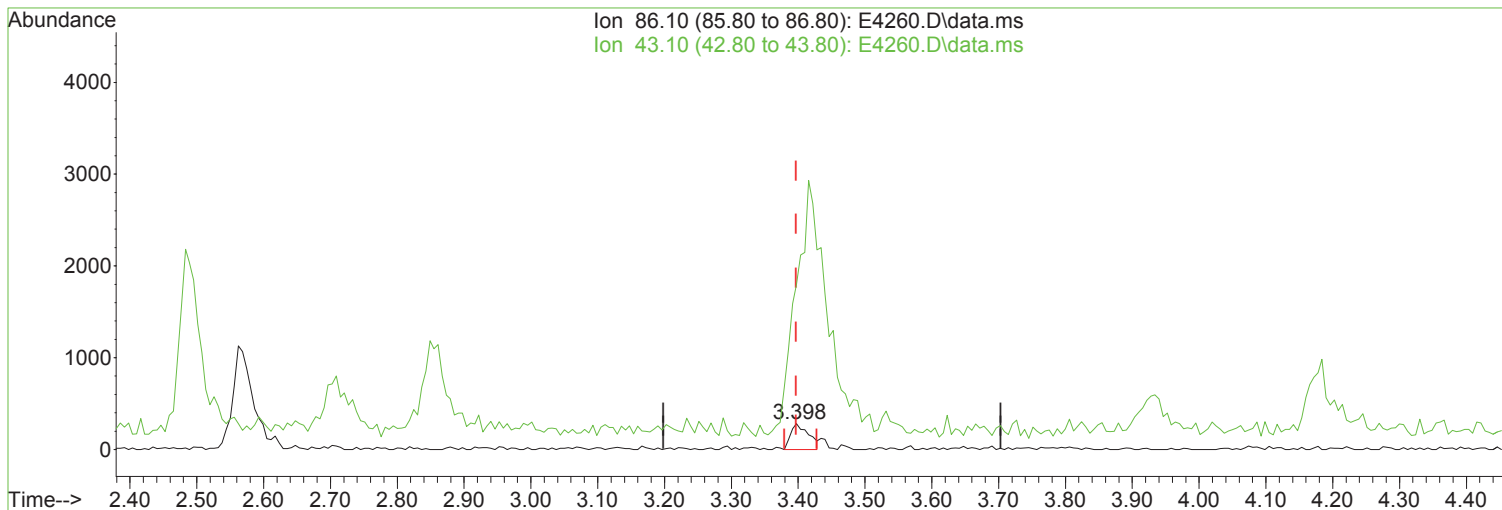
43.10 1389.60 637.94#

0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(29) Vinyl Acetate

Manual Integration:

3.398min (+ 0.000) 1.15 ug/L

Before

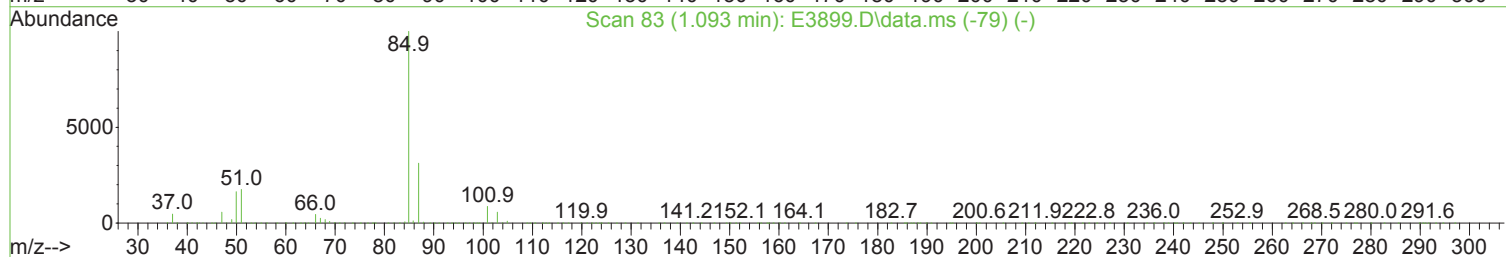
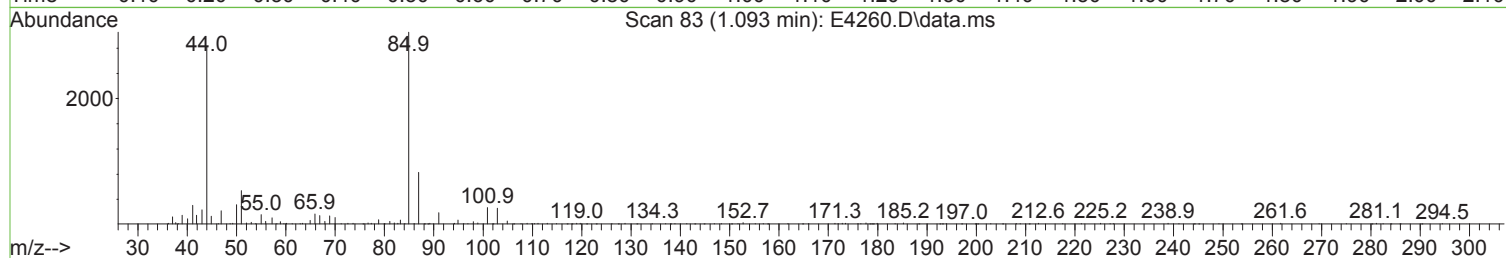
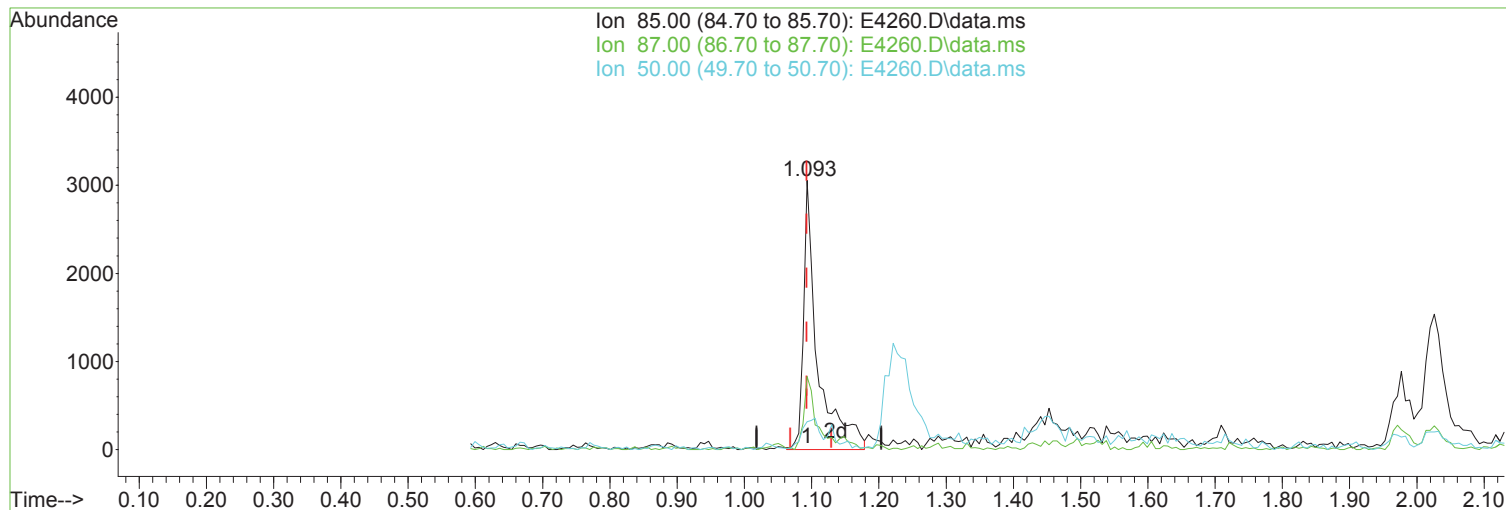
response 529

| Ion | Exp% | Act% |
|-------|---------|---------|
| 86.10 | 100.00 | 100.00 |
| 43.10 | 1389.60 | 637.94# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 1.18 ug/L m

After

response 4471

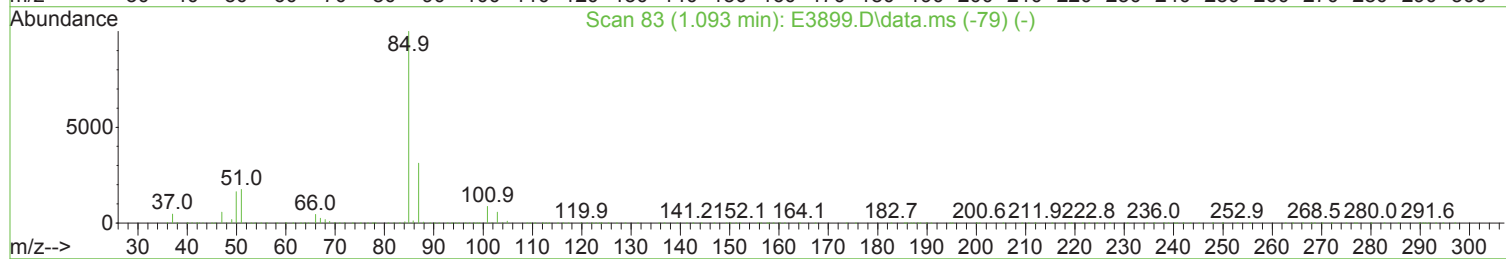
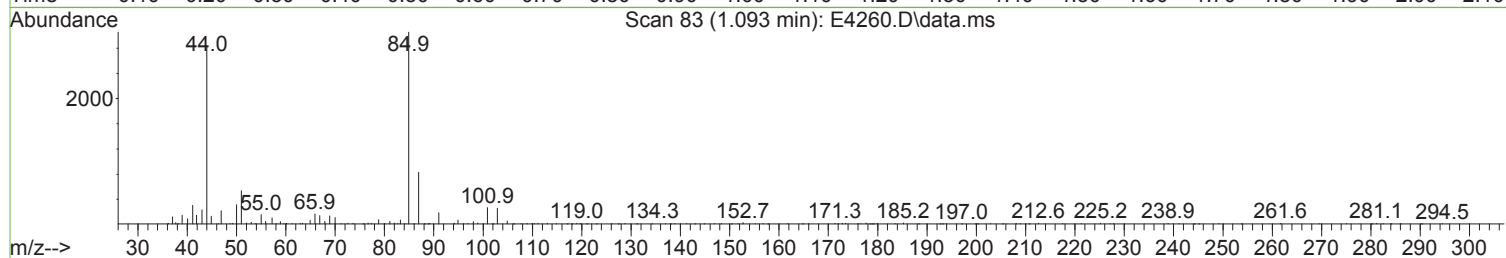
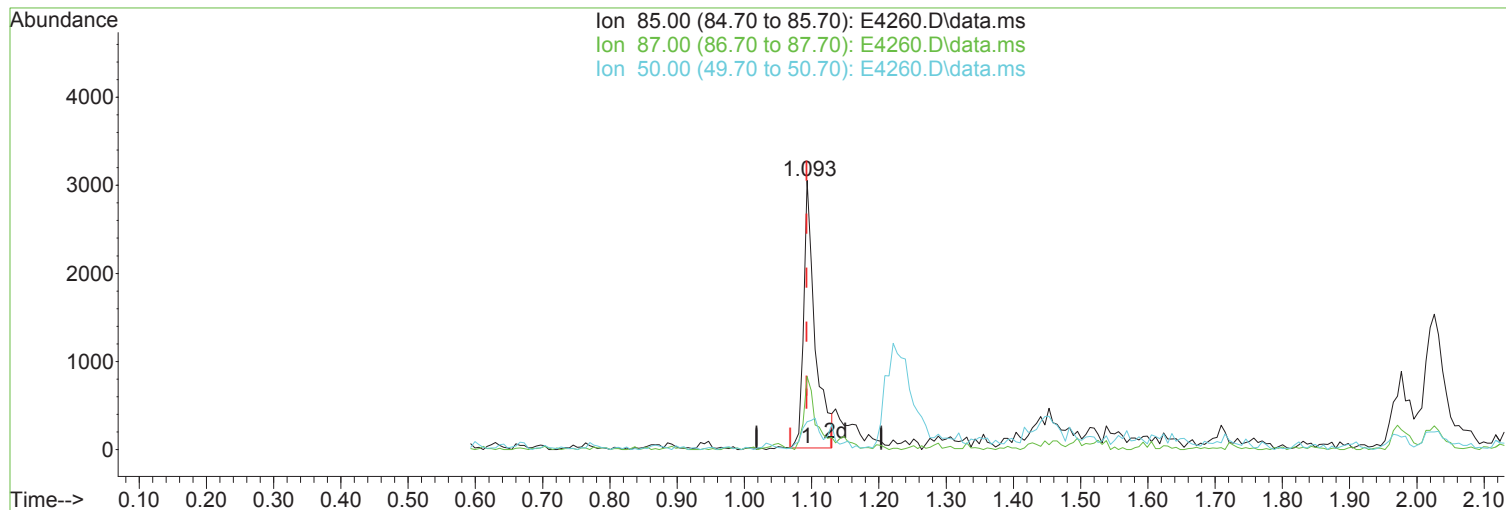
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 27.18 |
| 50.00 | 16.40 | 10.38 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4260.D\data.ms

(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 0.95 ug/L

Before

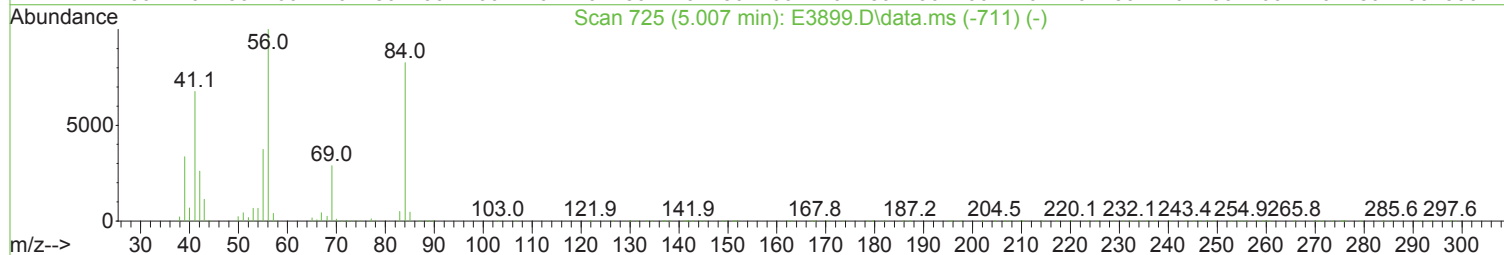
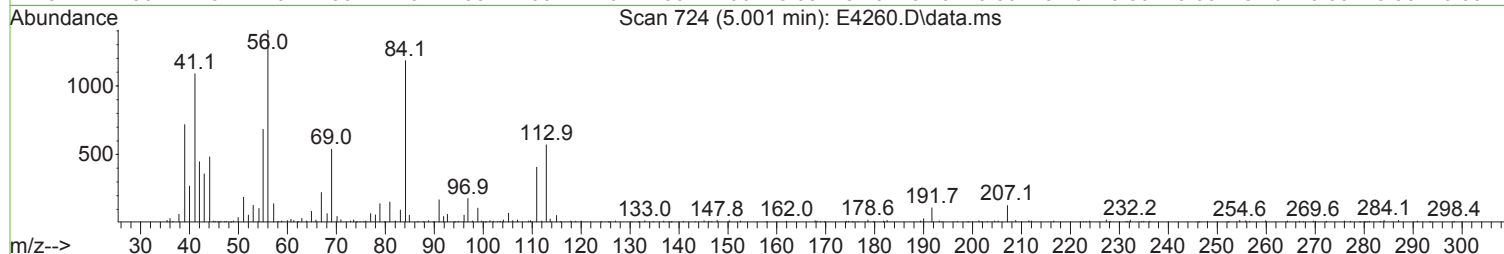
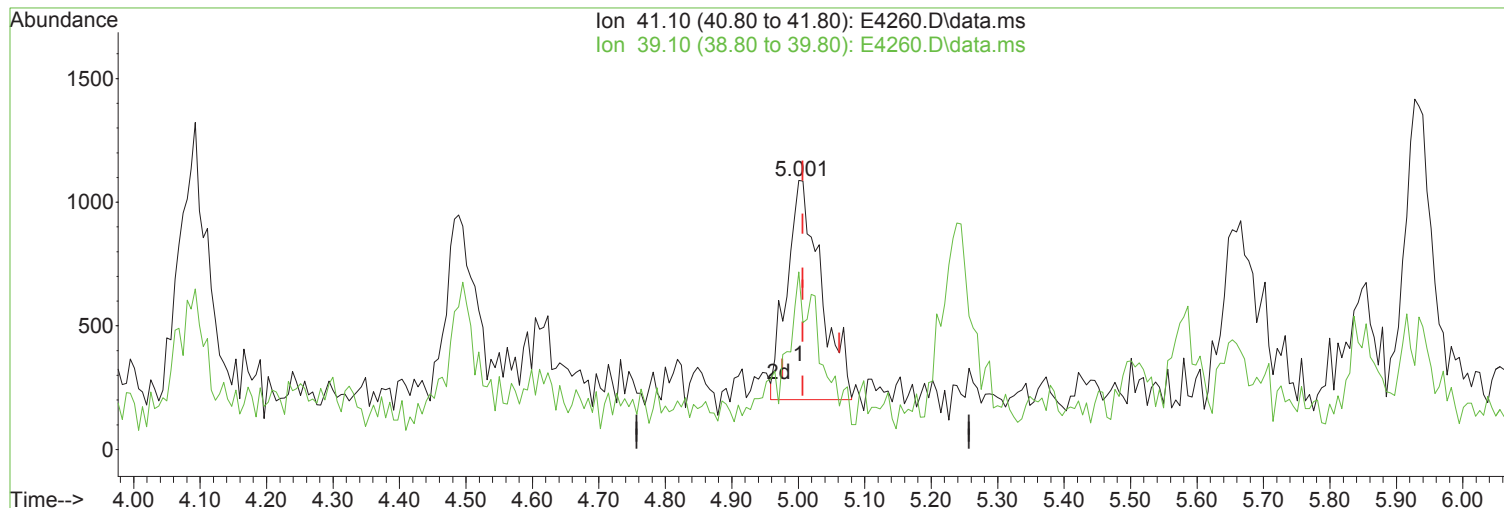
response 3599

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 27.18 |
| 50.00 | 16.40 | 10.38 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(44) Cyclohexane (P)

Manual Integration:

5.001min (-0.006) 1.18 ug/L m

After

response 3174

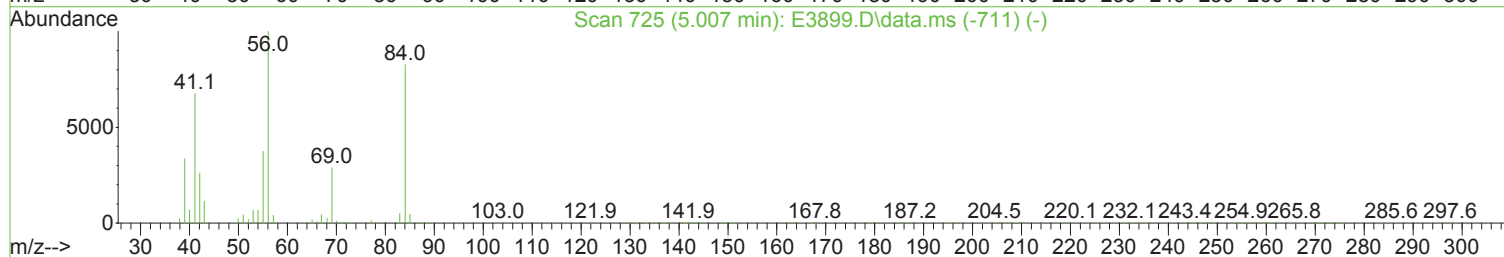
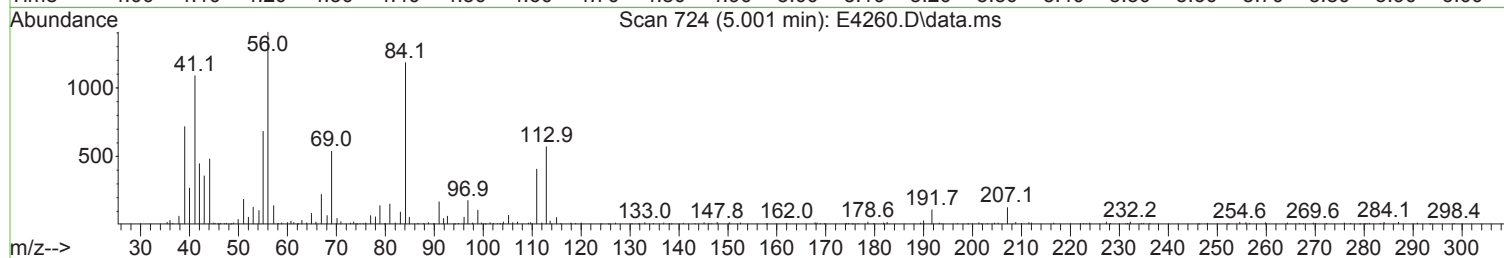
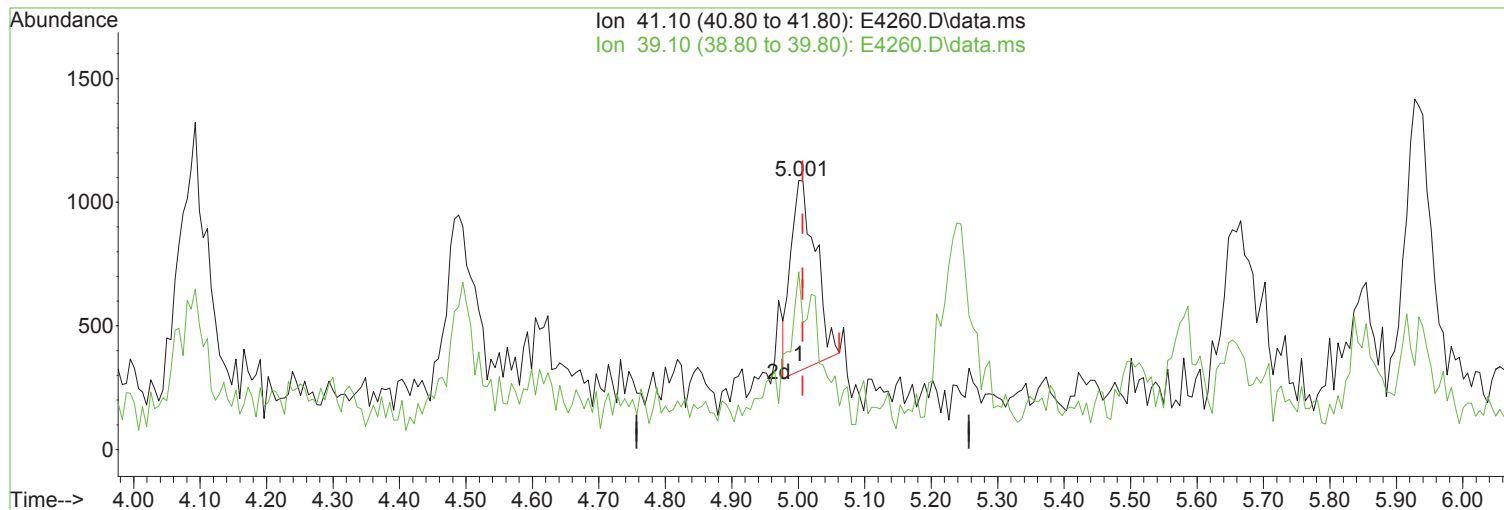
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 39.10 | 50.20 | 65.99 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(44) Cyclohexane (P)

Manual Integration:

5.001min (-0.006) 0.74 ug/L

Before

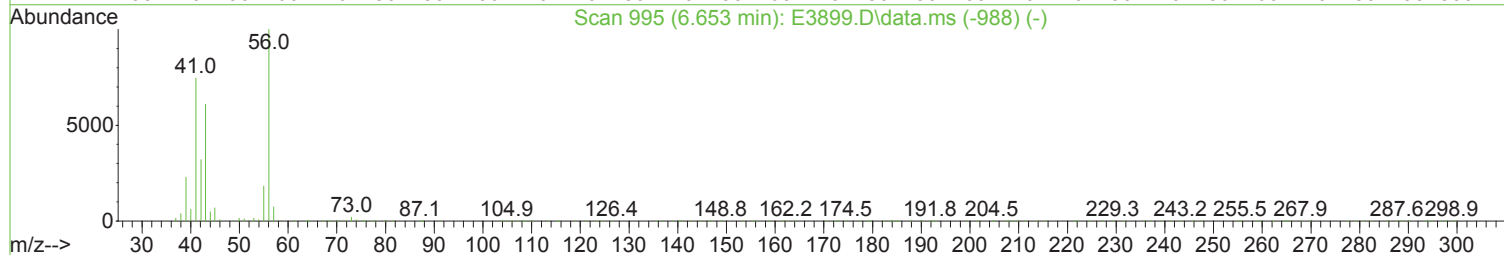
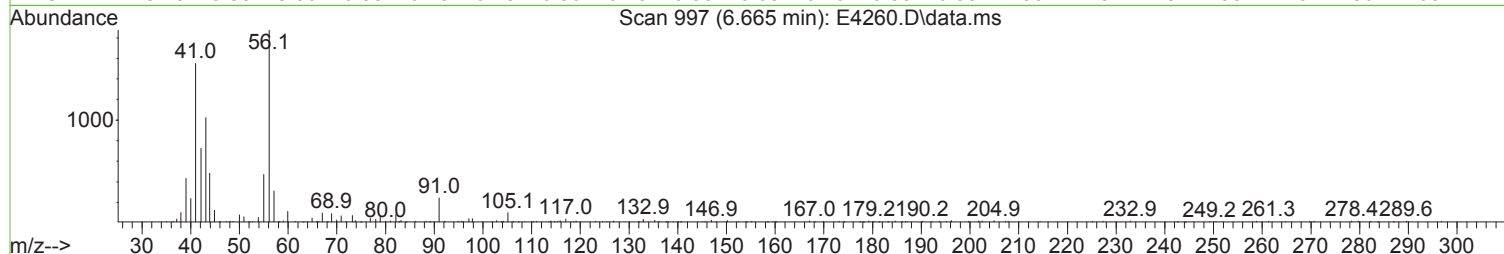
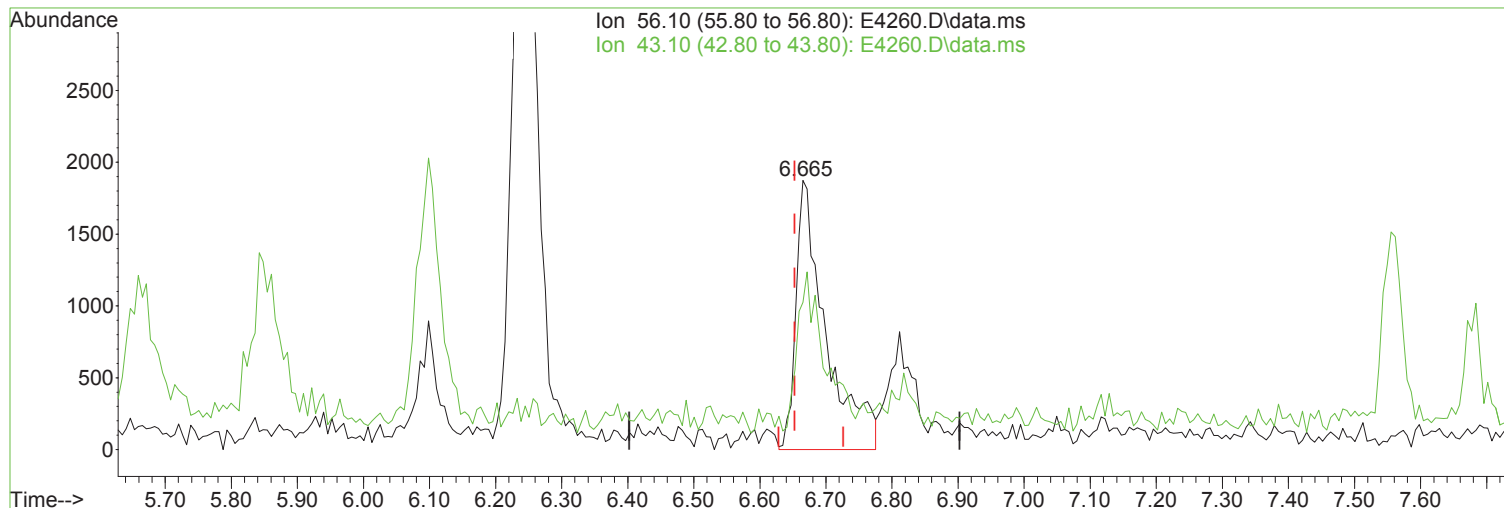
response 2000

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 39.10 | 50.20 | 65.99 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(53) 1-Butanol

6.665min (+ 0.012) 50.77 ug/L m

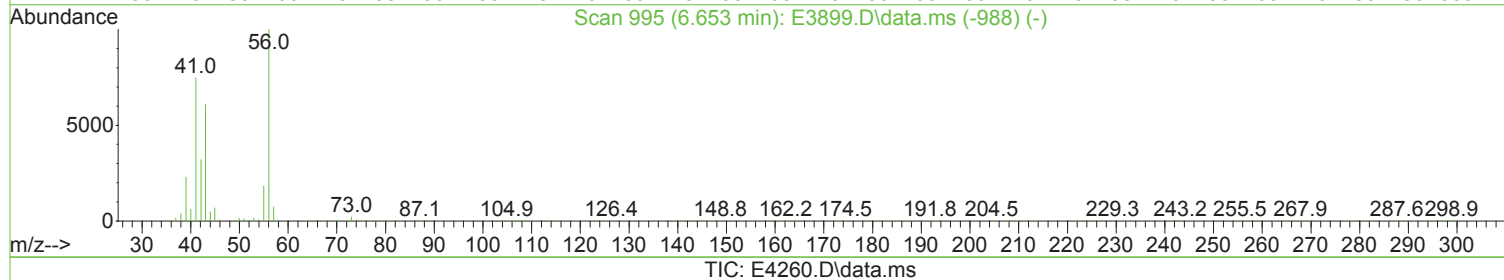
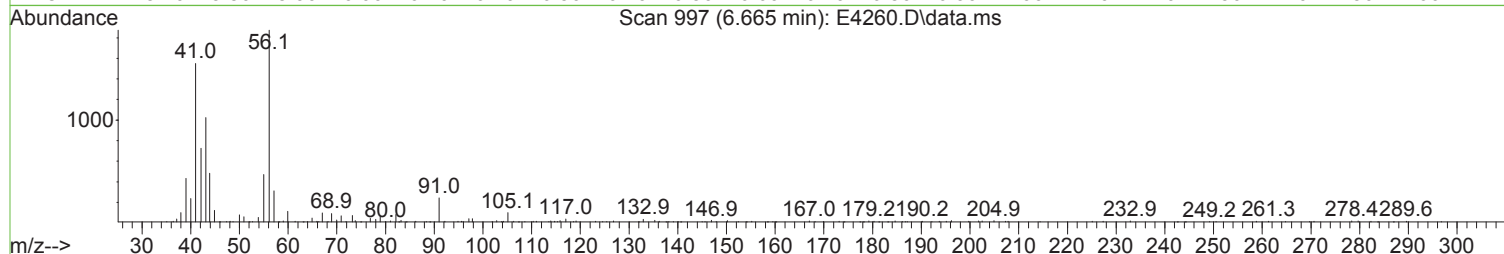
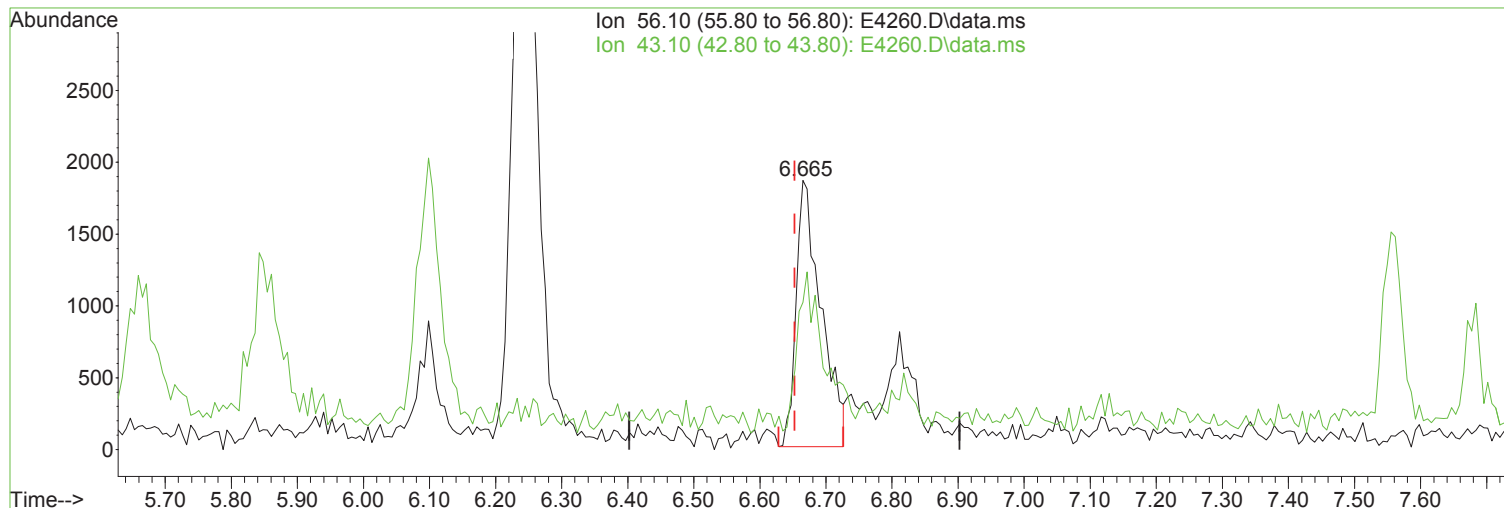
response 5893

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 43.10 | 61.10 | 54.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(53) 1-Butanol

Manual Integration:

6.665min (+ 0.012) 41.96 ug/L

Before

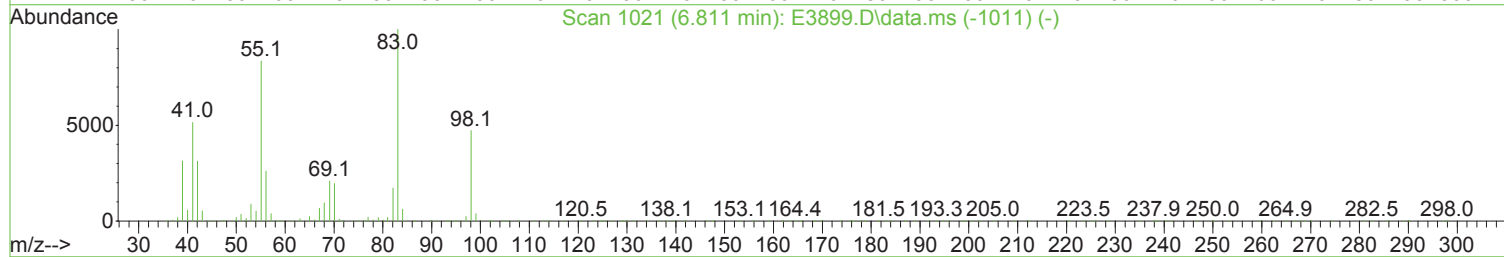
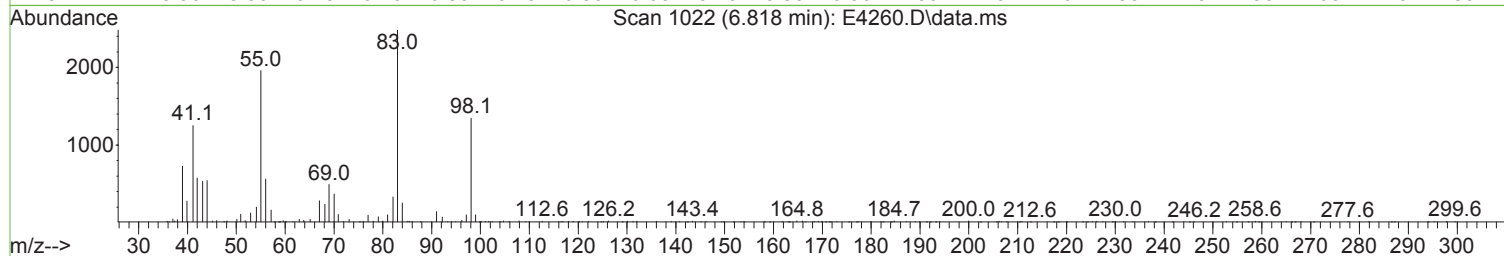
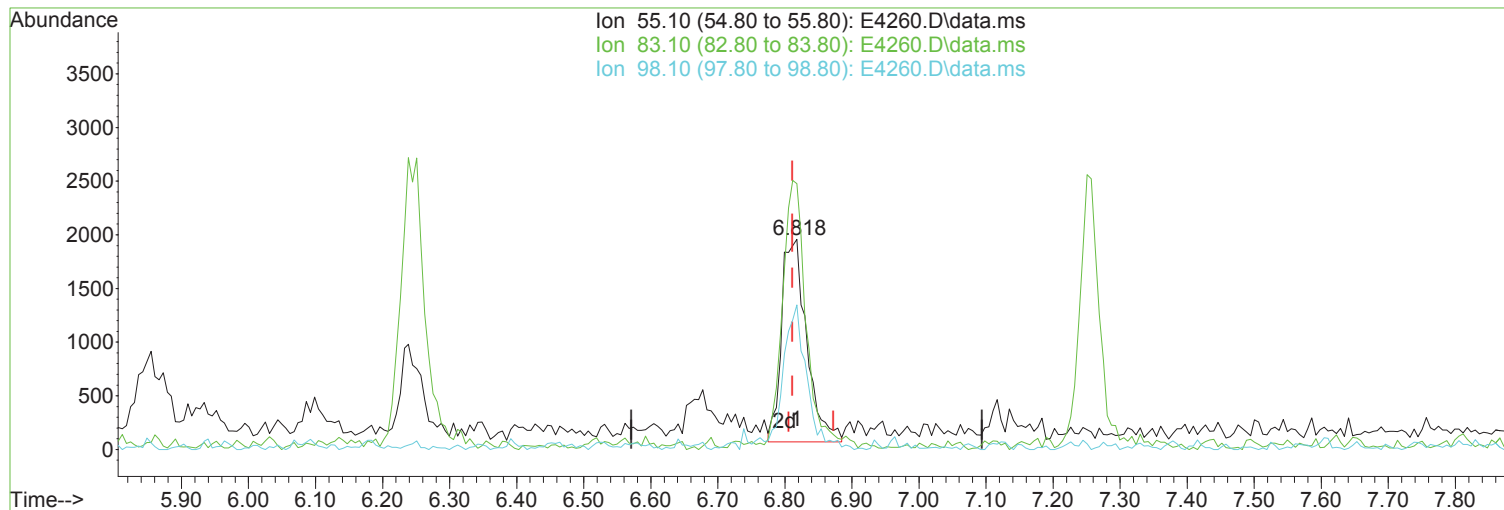
response 4870

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 43.10 | 61.10 | 54.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

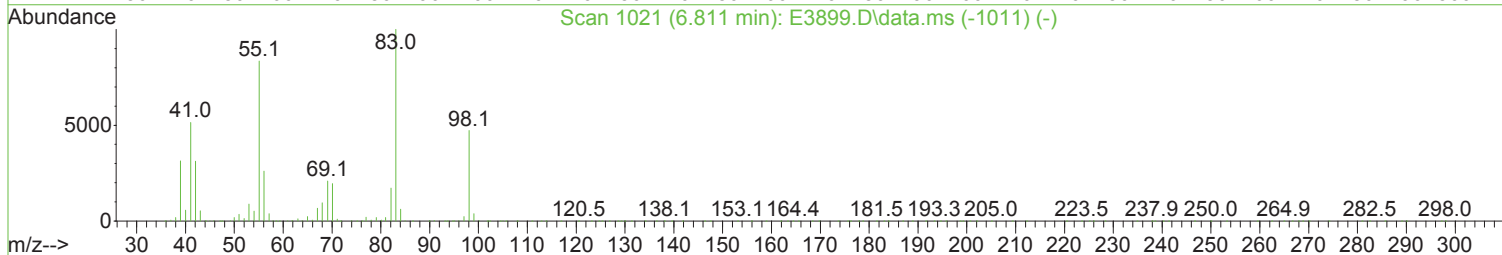
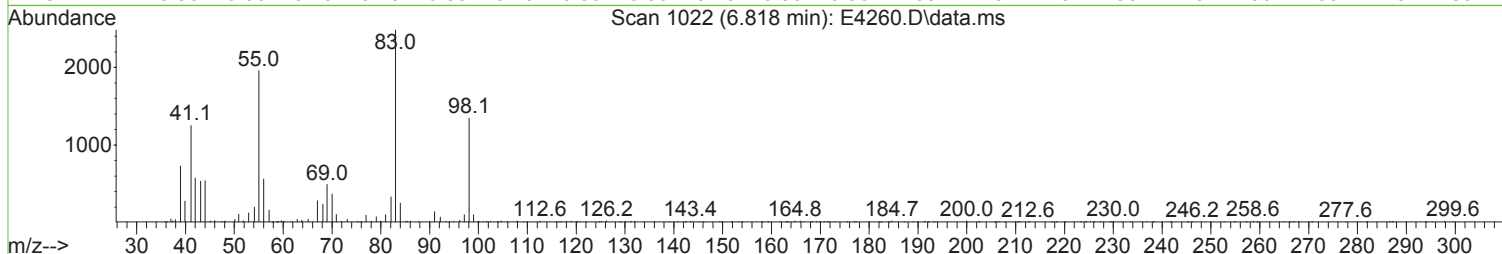
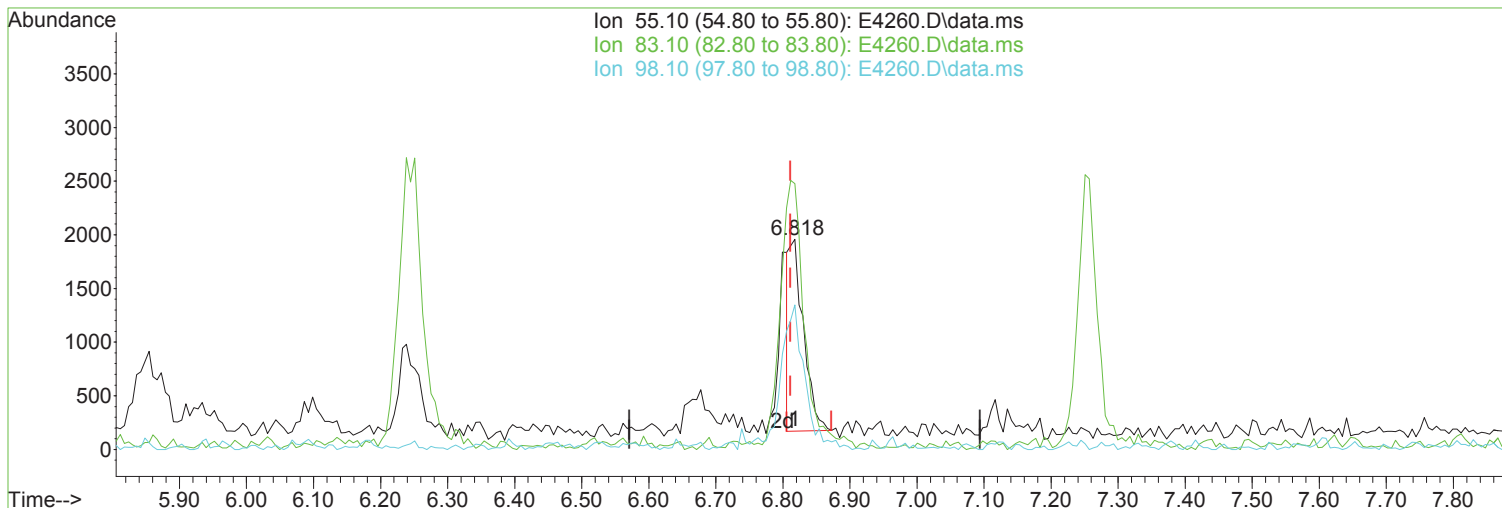


(55) Methylcyclohexane (P)
6.818min (+ 0.006) 1.33 ug/L m
response 4894
Ion Exp% Act%
55.10 100.00 100.00
83.10 119.10 126.62
98.10 56.20 68.78
0.00 0.00 0.00

Manual Integration:
After
Split Peak.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

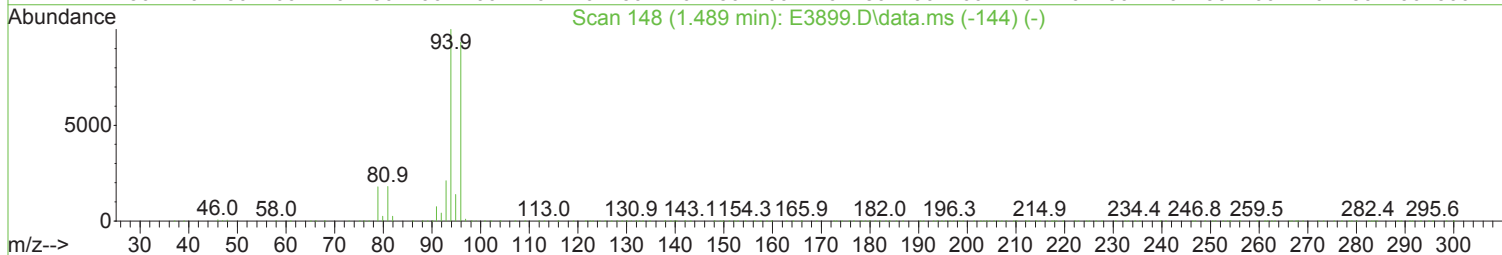
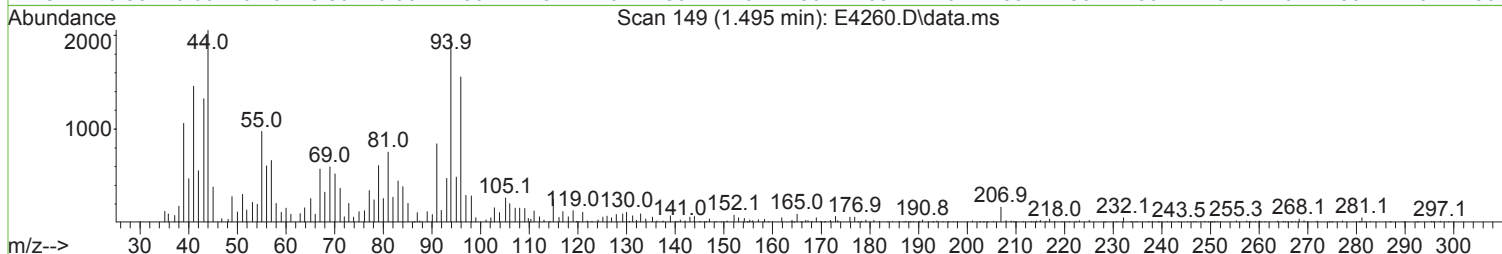
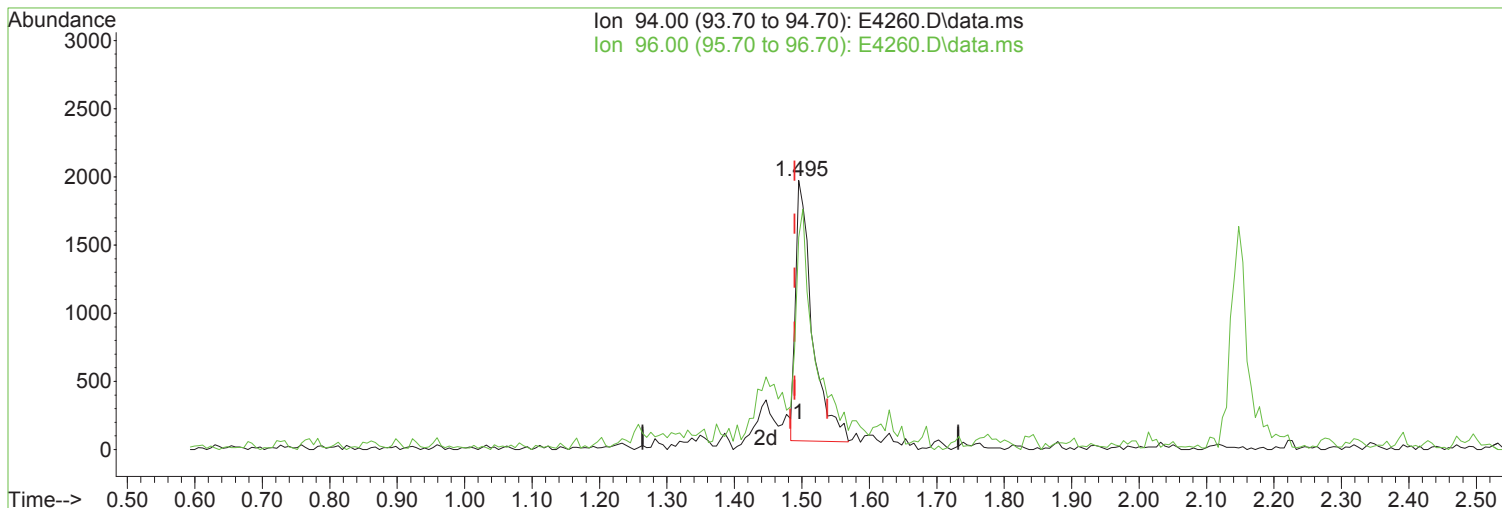


(55) Methylcyclohexane (P)
6.818min (+ 0.006) 0.71 ug/L
response 2632
Ion Exp% Act%
55.10 100.00 100.00
83.10 119.10 126.62
98.10 56.20 68.78
0.00 0.00 0.00

Manual Integration:
Before
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(6) Bromomethane (P)

1.495min (+ 0.006) 1.24 ug/L m

response 3275

| Ion | Exp% | Act% |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 93.40 | 78.86 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

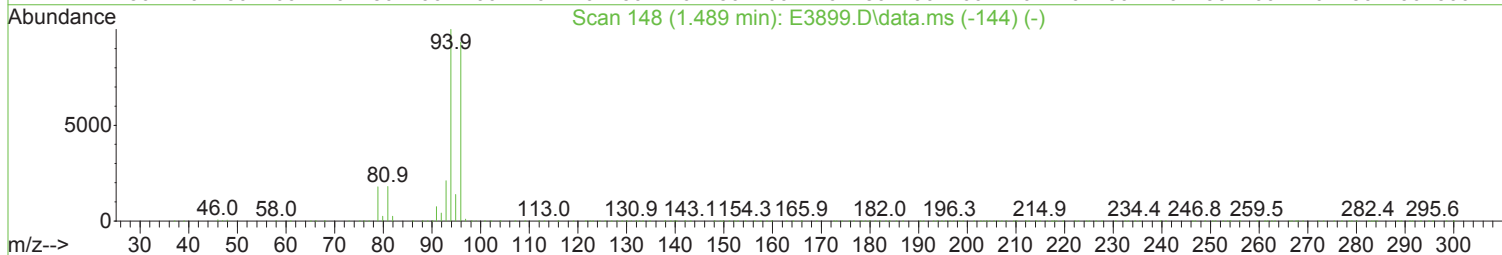
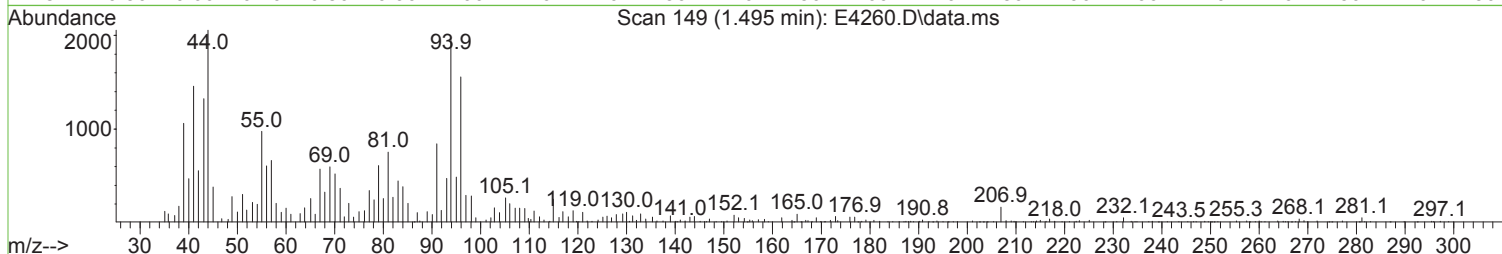
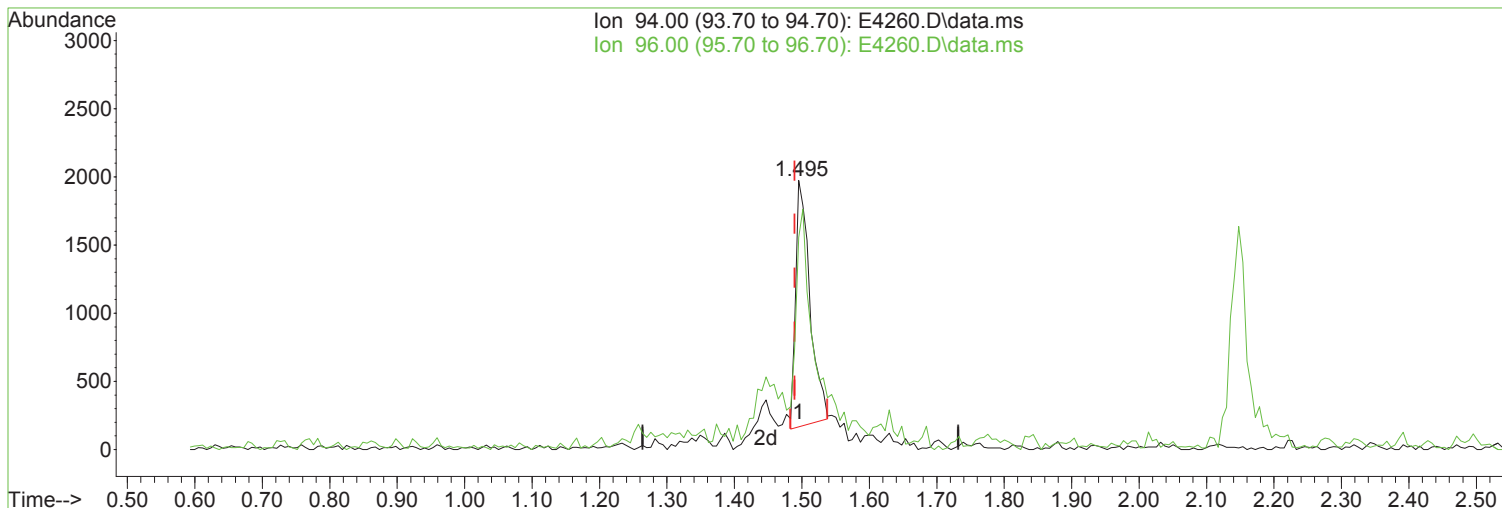
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(6) Bromomethane (P)

Manual Integration:

1.495min (+ 0.006) 0.99 ug/L

Before

response 2633

| Ion | Exp% | Act% |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 93.40 | 78.86 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|----------|-------|---------------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 364659 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 530465 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.616 | 117 | 466491 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 220622 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 35158 | 10.02 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 20.04%# |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 42568 | 10.59 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 21.18%# |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 133985 | 10.50 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 21.00%# |
| 70) SURR2,BFB | 10.707 | 95 | 49012 | 10.08 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 20.16%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 3577 | 1.067 | ug/L | 89 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 4471m | 1.182 | ug/L | |
| 4) Chloromethane | 1.221 | 50 | 3174 | 1.097 | ug/L | 95 |
| 5) Vinyl Chloride | 1.282 | 62 | 4143 | 1.052 | ug/L | 99 |
| 6) Bromomethane | 1.495 | 94 | 3275m | 1.237 | ug/L | |
| 7) Chloroethane | 1.569 | 64 | 3039 | 1.143 | ug/L | 98 |
| 8) Freon 21 | 1.709 | 67 | 5775 | 1.075 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.758 | 101 | 5440 | 1.074 | ug/L | 97 |
| 10) Diethyl Ether | 1.971 | 59 | 2698 | 1.133 | ug/L | 95 |
| 11) Freon 123a | 1.977 | 67 | 3289 | 1.029 | ug/L | # 70 |
| 12) Freon 123 | 2.032 | 83 | 4004 | 1.024 | ug/L | 86 |
| 13) Acrolein | 2.069 | 56 | 2615 | 4.799 | ug/L | 82 |
| 14) 1,1-Dicethene | 2.148 | 96 | 3016 | 1.091 | ug/L | # 80 |
| 15) Freon 113 | 2.148 | 101 | 3225 | 1.070 | ug/L | 88 |
| 16) Acetone | 2.203 | 43 | 2550 | 1.507 | ug/L | 97 |
| 17) 2-Propanol | 2.325 | 45 | 5712 | 20.563 | ug/L | 95 |
| 18) Iodomethane | 2.270 | 142 | 3842m | 0.907 | ug/L | |
| 19) Carbon Disulfide | 2.325 | 76 | 8473 | 1.032 | ug/L | 99 |
| 20) Acetonitrile | 2.447 | 41 | 3307m | 2.607 | ug/L | |
| 21) Allyl Chloride | 2.459 | 76 | 1314 | 0.839 | ug/L | # 74 |
| 22) Methyl Acetate | 2.483 | 43 | 3941 | 1.029 | ug/L | 98 |
| 23) Methylene Chloride | 2.568 | 84 | 3491 | 1.132 | ug/L | # 90 |
| 24) TBA | 2.709 | 59 | 10290 | 21.131 | ug/L | 97 |
| 25) Acrylonitrile | 2.812 | 53 | 7467 | 5.221 | ug/L | 98 |
| 26) Methyl-t-Butyl Ether | 2.861 | 73 | 10222 | 1.041 | ug/L | 95 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 3651 | 1.164 | ug/L | # 59 |
| 28) 1,1-Dicethane | 3.312 | 63 | 5335 | 1.071 | ug/L | 87 |
| 29) Vinyl Acetate | 3.398 | 86 | 626m | 1.357 | ug/L | |
| 30) DIPE | 3.428 | 45 | 9594 | 1.066 | ug/L | 94 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 4886 | 1.029 | ug/L | 92 |
| 32) ETBE | 3.928 | 59 | 10182 | 1.090 | ug/L | 94 |
| 33) 2,2-Dichloropropane | 4.086 | 77 | 5388 | 0.959 | ug/L | 98 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 3718 | 1.089 | ug/L | # 61 |
| 36) Propionitrile | 4.245 | 54 | 3154 | 5.284 | ug/L | 71 |
| 37) Bromochloromethane | 4.458 | 130 | 2368 | 1.138 | ug/L | # 72 |
| 38) Methacrylonitrile | 4.489 | 67 | 1619 | 1.022 | ug/L | 94 |
| 39) Tetrahydrofuran | 4.611 | 42 | 1588 | 1.312 | ug/L | 88 |
| 40) Chloroform | 4.635 | 83 | 6590 | 1.221 | ug/L | 89 |
| 41) 1,1,1-Trichloroethane | 4.928 | 97 | 5504 | 1.085 | ug/L | 89 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 42) TAME | 5.854 | 73 | 9871 | 1.082 | ug/L | 94 |
| 44) Cyclohexane | 5.001 | 41 | 3174m | 1.177 | ug/L | |
| 46) Carbontetrachloride | 5.226 | 117 | 4456 | 1.011 | ug/L | 94 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 4275 | 1.061 | ug/L | 87 |
| 49) Benzene | 5.580 | 78 | 12436 | 1.080 | ug/L | 93 |
| 50) 1,2-Dichloroethane | 5.623 | 62 | 4922 | 1.092 | ug/L | 92 |
| 51) Iso-Butyl Alcohol | 5.659 | 43 | 3176 | 16.656 | ug/L | 100 |
| 52) n-Heptane | 6.098 | 43 | 4566 | 1.104 | ug/L | 97 |
| 53) 1-Butanol | 6.665 | 56 | 5893m | 50.773 | ug/L | |
| 54) Trichloroethene | 6.580 | 130 | 3952 | 1.106 | ug/L # | 85 |
| 55) Methylcyclohexane | 6.818 | 55 | 4894m | 1.328 | ug/L | |
| 56) 1,2-Dicloropropane | 6.873 | 63 | 3084 | 1.032 | ug/L | 90 |
| 57) Dibromomethane | 7.019 | 93 | 2462 | 1.122 | ug/L # | 81 |
| 58) 1,4-Dioxane | 7.116 | 88 | 1179 | 21.411 | ug/L | 97 |
| 59) Methyl Methacrylate | 7.122 | 69 | 2666 | 0.982 | ug/L | 95 |
| 60) Bromodichloromethane | 7.251 | 83 | 5110 | 1.108 | ug/L | 97 |
| 61) 2-Nitropropane | 7.555 | 41 | 2560 | 2.186 | ug/L | 83 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 2176 | 1.136 | ug/L | 90 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 5537 | 1.076 | ug/L | 100 |
| 64) 4-Methyl-2-pentanone | 8.037 | 43 | 4319 | 1.132 | ug/L | 93 |
| 66) Toluene | 8.177 | 91 | 14083 | 1.074 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 4966 | 1.043 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.616 | 69 | 5076 | 0.947 | ug/L | 77 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 3414 | 1.087 | ug/L | 90 |
| 72) Tetrachloroethene | 8.775 | 164 | 3479 | 1.229 | ug/L # | 75 |
| 73) 2-Hexanone | 8.964 | 43 | 2942 | 1.056 | ug/L | 97 |
| 74) 1,3-Dichloropropane | 8.823 | 76 | 5599 | 1.118 | ug/L | 92 |
| 75) Dibromochloromethane | 9.049 | 129 | 3973 | 0.953 | ug/L | 99 |
| 76) N-Butyl Acetate | 9.116 | 43 | 5932 | 1.070 | ug/L | 92 |
| 77) 1,2-Dibromoethane | 9.140 | 107 | 3730 | 1.122 | ug/L | 90 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 5466 | 1.063 | ug/L | 93 |
| 79) Chlorobenzene | 9.646 | 112 | 9603 | 1.103 | ug/L | 93 |
| 80) 4-Chlorobenzotrifluoride | 9.726 | 180 | 4753 | 1.027 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 3814 | 1.098 | ug/L | 95 |
| 82) Ethylbenzene | 9.768 | 106 | 5090 | 1.123 | ug/L # | 84 |
| 83) (m+p)Xylene | 9.884 | 106 | 12023 | 2.124 | ug/L | 89 |
| 84) o-Xylene | 10.244 | 106 | 6079 | 1.093 | ug/L # | 83 |
| 85) Styrene | 10.262 | 104 | 9879 | 1.048 | ug/L | 89 |
| 86) Bromoform | 10.409 | 173 | 2747 | 0.974 | ug/L | 97 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 5404 | 1.075 | ug/L | 89 |
| 88) Isopropylbenzene | 10.579 | 105 | 14983 | 1.094 | ug/L | 98 |
| 89) Cyclohexanone | 10.652 | 55 | 14355 | 20.747 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 1382 | 1.025 | ug/L | 98 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 4667 | 1.192 | ug/L | 96 |
| 93) Bromobenzene | 10.823 | 156 | 4302 | 1.159 | ug/L | 89 |
| 94) 1,2,3-Trichloropropane | 10.878 | 110 | 1586 | 1.171 | ug/L # | 85 |
| 95) n-Propylbenzene | 10.939 | 91 | 17080 | 1.167 | ug/L | 94 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 10372 | 1.170 | ug/L | 93 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 10722 | 1.181 | ug/L | 93 |
| 98) 4-Chlorotoluene | 11.091 | 91 | 12642 | 1.170 | ug/L | 93 |
| 99) 1,3,5-Trimethylbenzene | 11.091 | 105 | 13676 | 1.211 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.366 | 119 | 11542 | 1.203 | ug/L | 95 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 12788 | 1.176 | ug/L | 98 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 4170 | 1.141 | ug/L | 96 |
| 103) sec-Butylbenzene | 11.549 | 105 | 16608 | 1.210 | ug/L | 99 |
| 104) p-Isopropyltoluene | 11.670 | 119 | 14024 | 1.164 | ug/L | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

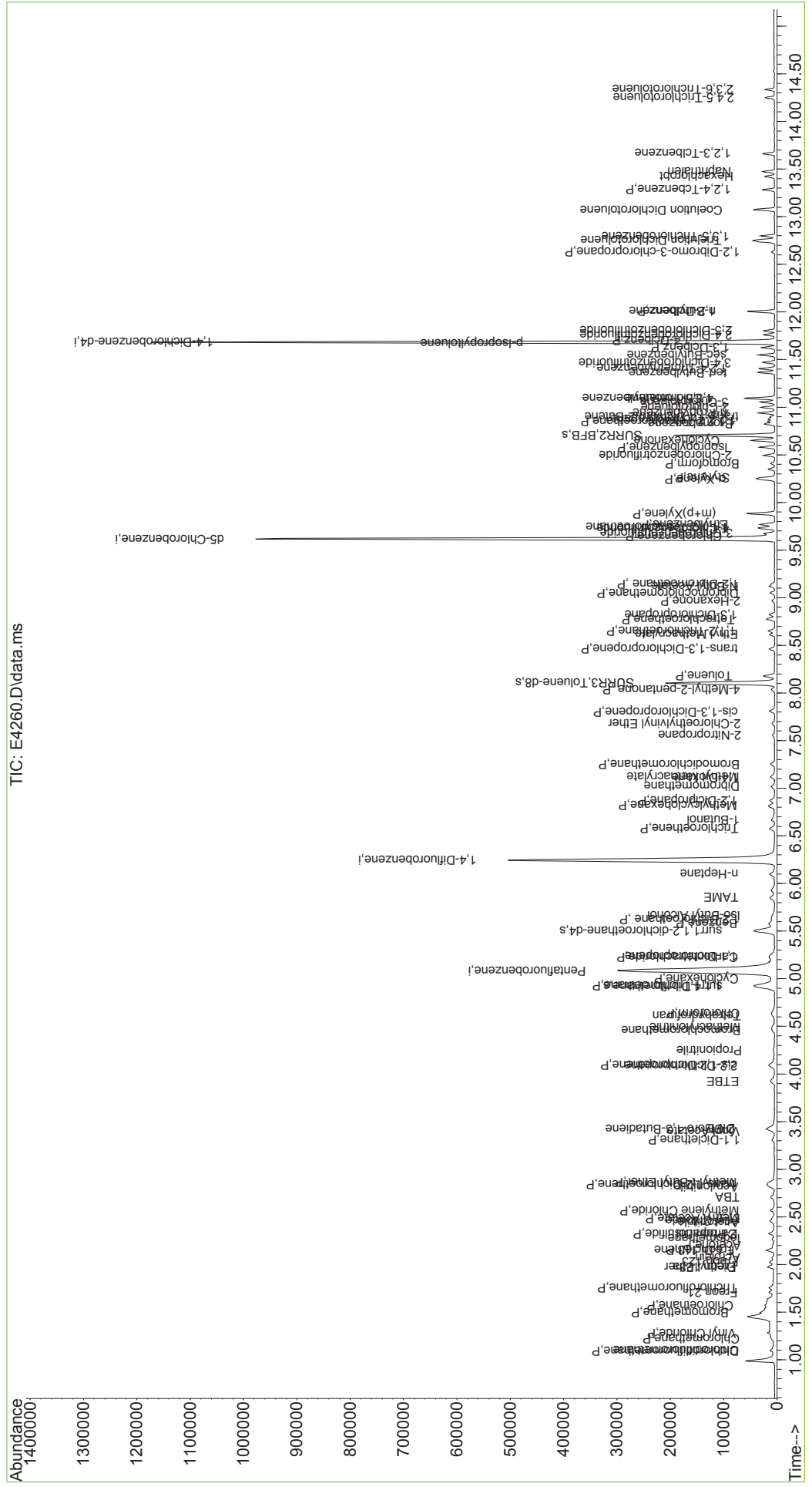
Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------|---------------------------|--------|------|----------|-------|-------|----------|
| 105) | 1,3-Dclbenz | 11.628 | 146 | 8092 | 1.203 | ug/L | 91 |
| 106) | 1,4-Dclbenz | 11.701 | 146 | 8157 | 1.185 | ug/L | 89 |
| 107) | 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 3643 | 1.113 | ug/L | 95 |
| 108) | 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 4215 | 1.162 | ug/L | 98 |
| 109) | n-Butylbenzene | 12.006 | 91 | 11440 | 1.105 | ug/L | 92 |
| 110) | 1,2-Dclbenz | 12.006 | 146 | 7418 | 1.126 | ug/L | 94 |
| 111) | 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 1125 | 1.041 | ug/L | 85 |
| 112) | Trielution Dichlorotol... | 12.750 | 125 | 19208 | 3.413 | ug/L | 89 |
| 113) | 1,3,5-Trichlorobenzene | 12.798 | 180 | 5367 | 1.085 | ug/L | 98 |
| 114) | Coelution Dichlorotoluene | 13.073 | 125 | 12987 | 2.183 | ug/L | 98 |
| 115) | 1,2,4-Tcbenzene | 13.286 | 180 | 5531 | 1.109 | ug/L | 98 |
| 116) | Hexachlorobt | 13.420 | 225 | 2772 | 1.193 | ug/L | 92 |
| 117) | Naphthalen | 13.475 | 128 | 13590 | 1.099 | ug/L | 100 |
| 118) | 1,2,3-Tclbenzene | 13.664 | 180 | 5274 | 1.092 | ug/L | 98 |
| 119) | 2,4,5-Trichlorotoluene | 14.249 | 159 | 3435 | 1.091 | ug/L | 95 |
| 120) | 2,3,6-Trichlorotoluene | 14.335 | 159 | 3020 | 1.027 | ug/L | 94 |

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

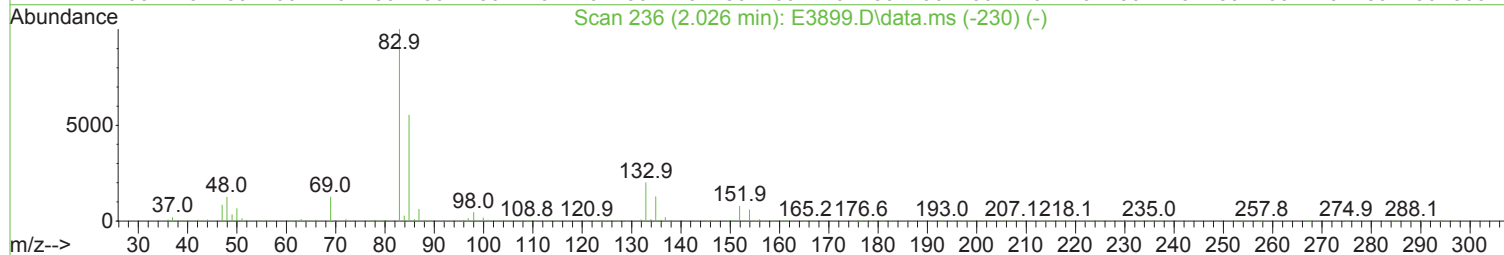
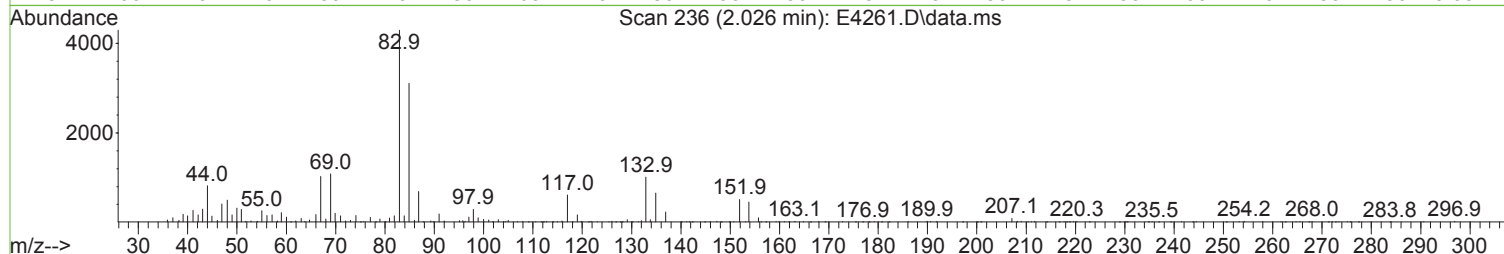
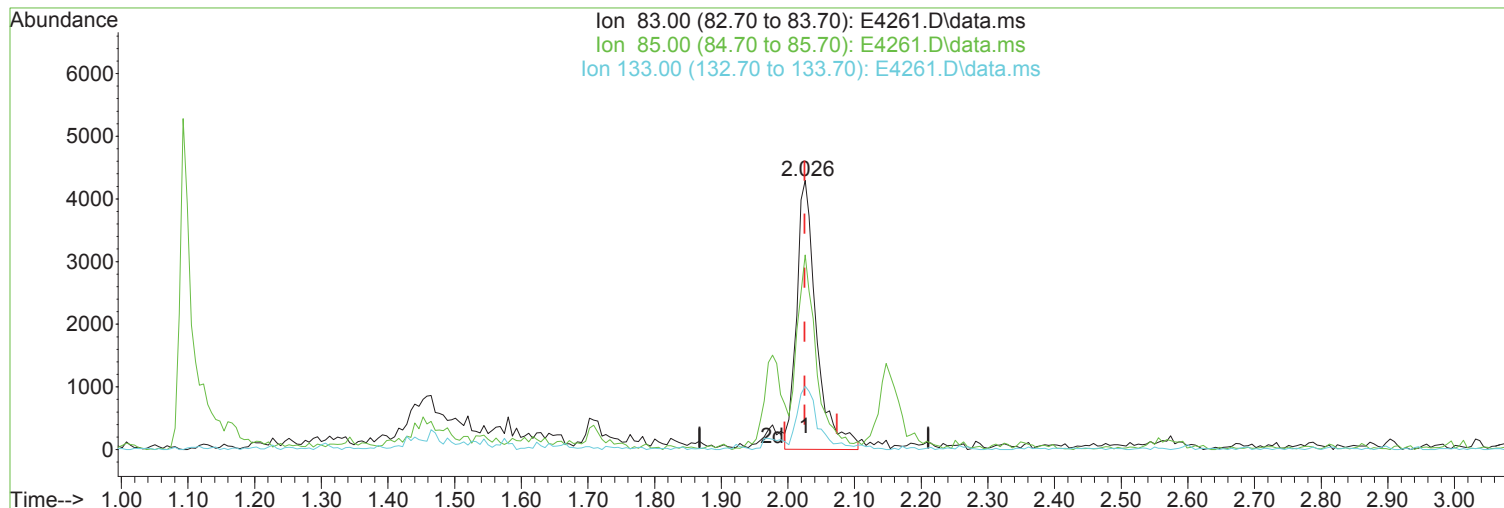
Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4260.D
 Acq On : 04 Aug 2023 04:47 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : WATER ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(12) Freon 123

2.026min (-0.000) 2.25 ug/L m

response 8855

| Ion | Exp% | Act% |
|--------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 71.70 | 72.37 |
| 133.00 | 20.70 | 23.60 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

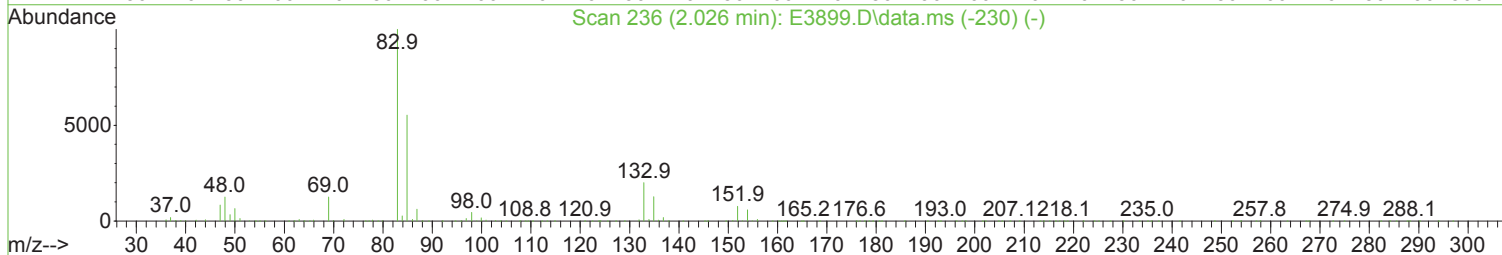
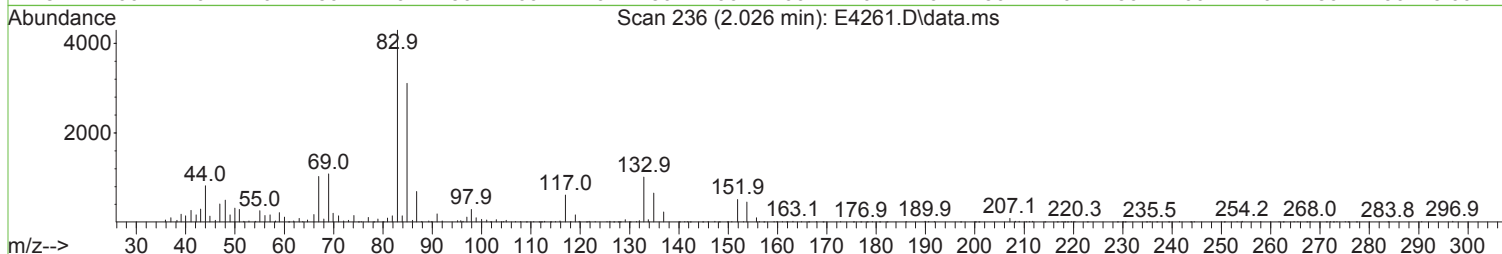
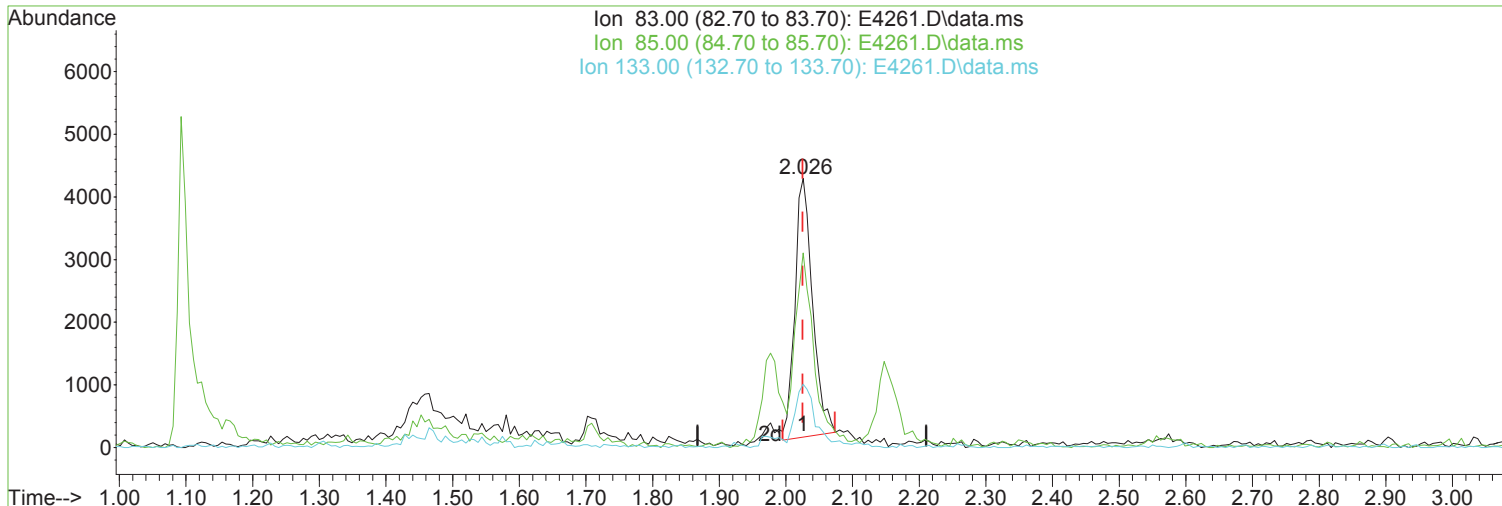
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(12) Freon 123

Manual Integration:

2.026min (-0.000) 1.94 ug/L

Before

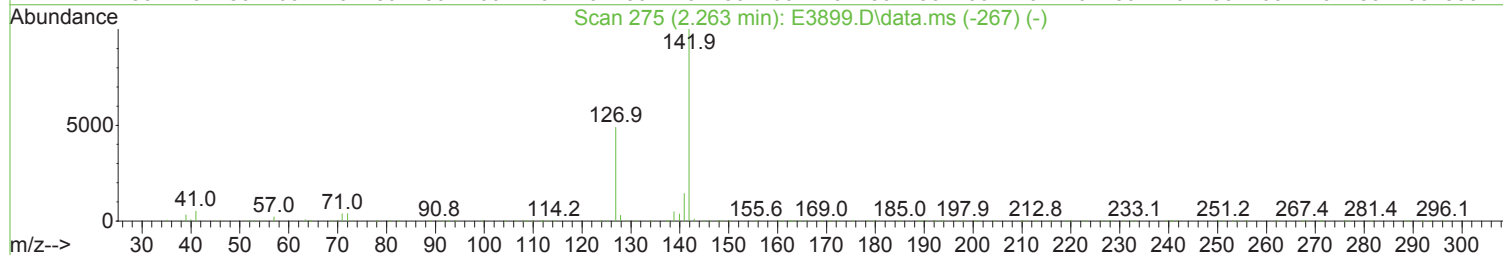
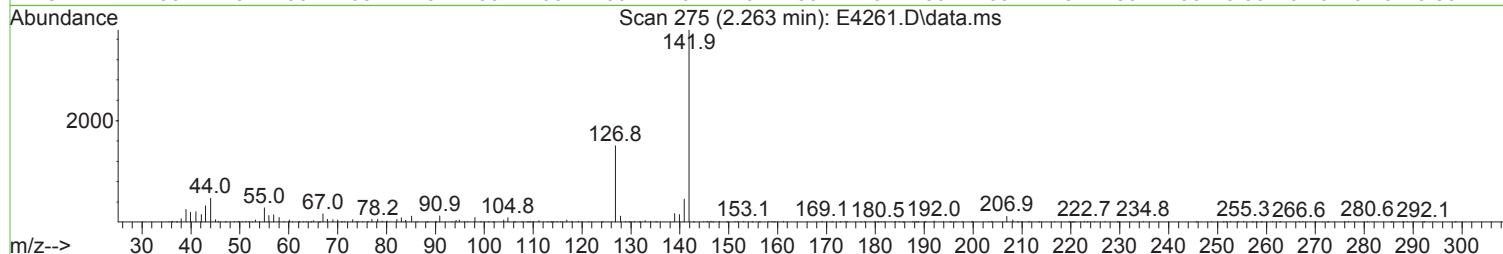
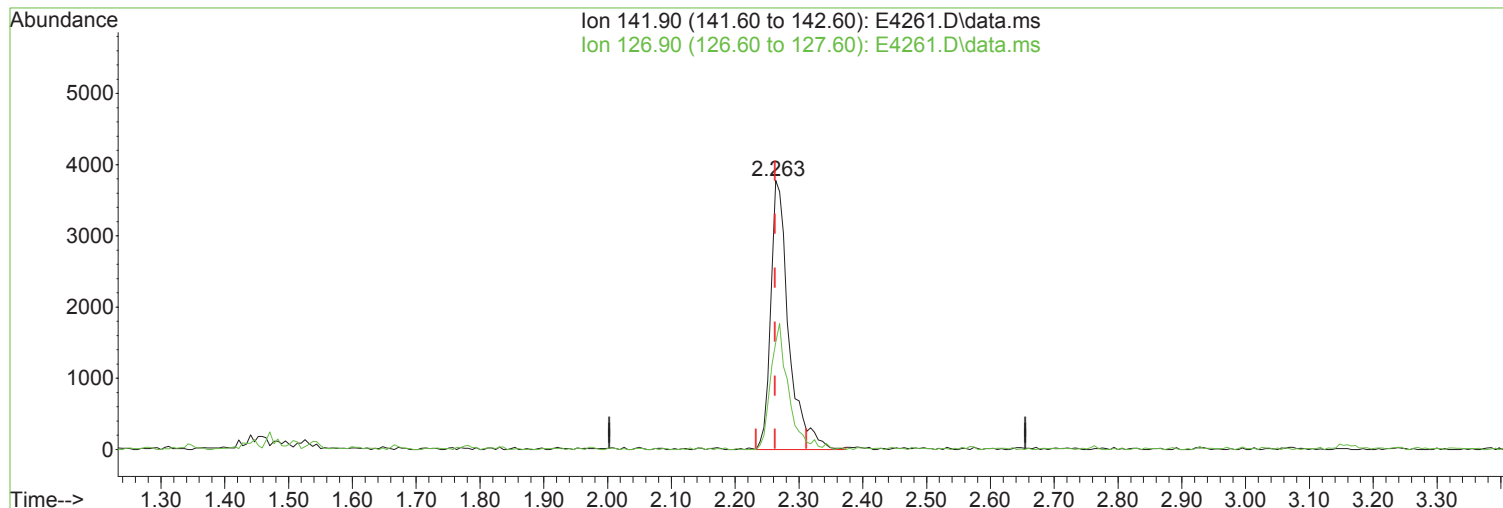
response 7606

| Ion | Exp% | Act% |
|--------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 71.70 | 72.37 |
| 133.00 | 20.70 | 23.60 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(18) Iodomethane

2.263min (+ 0.000) 1.75 ug/L m

response 7437

| Ion | Exp% | Act% |
|--------|--------|--------|
| 141.90 | 100.00 | 100.00 |
| 126.90 | 48.90 | 39.82 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

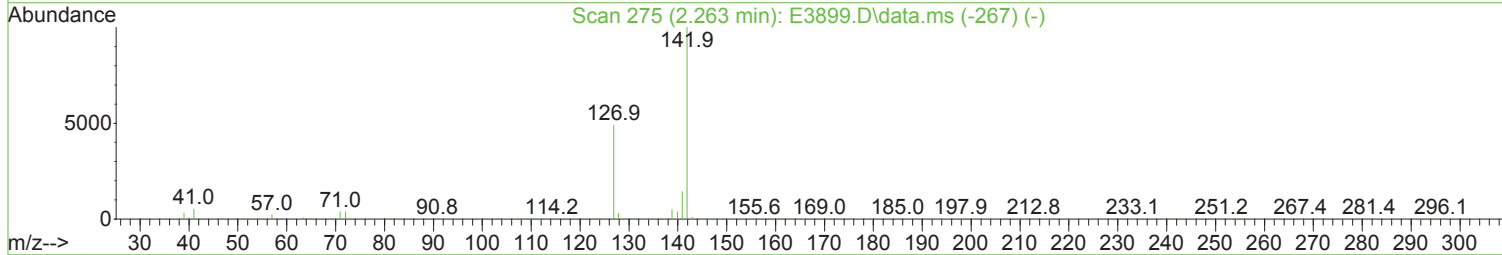
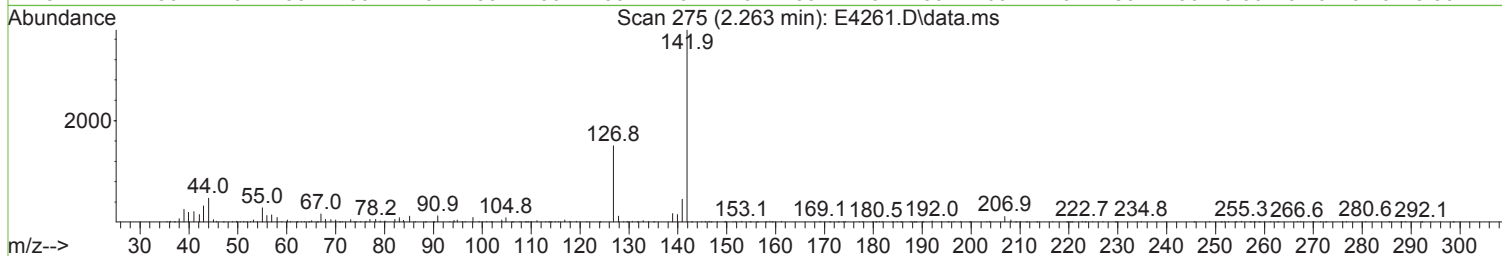
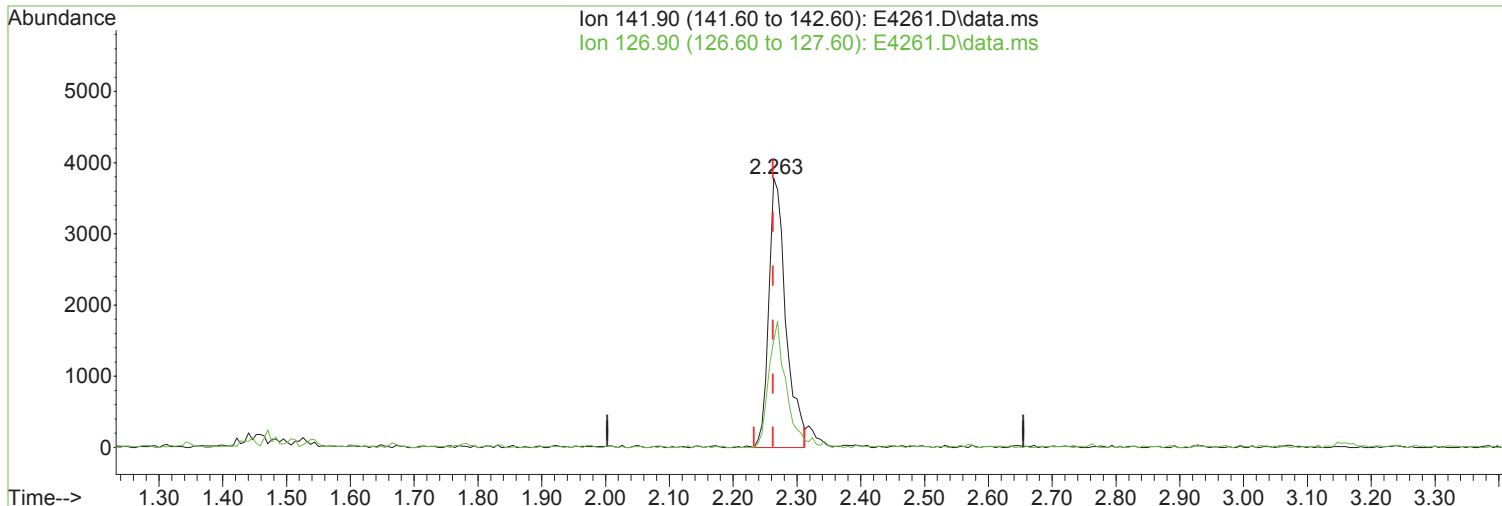
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(18) Iodomethane

Manual Integration:

2.263min (+ 0.000) 1.66 ug/L

Before

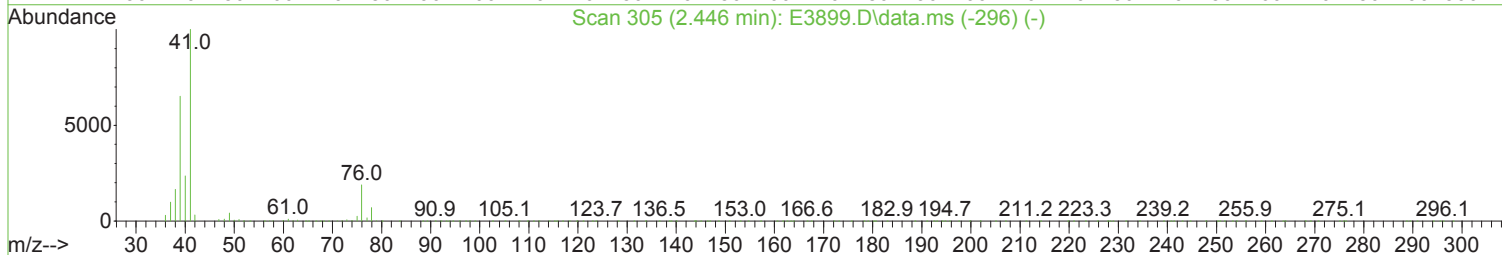
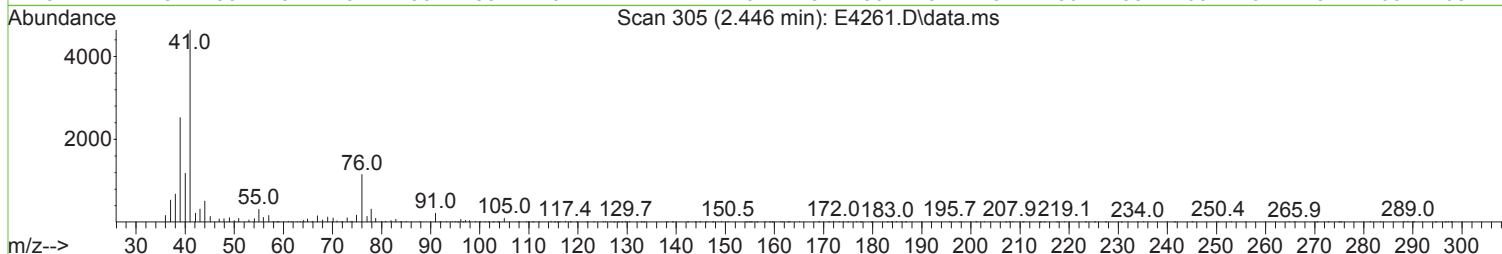
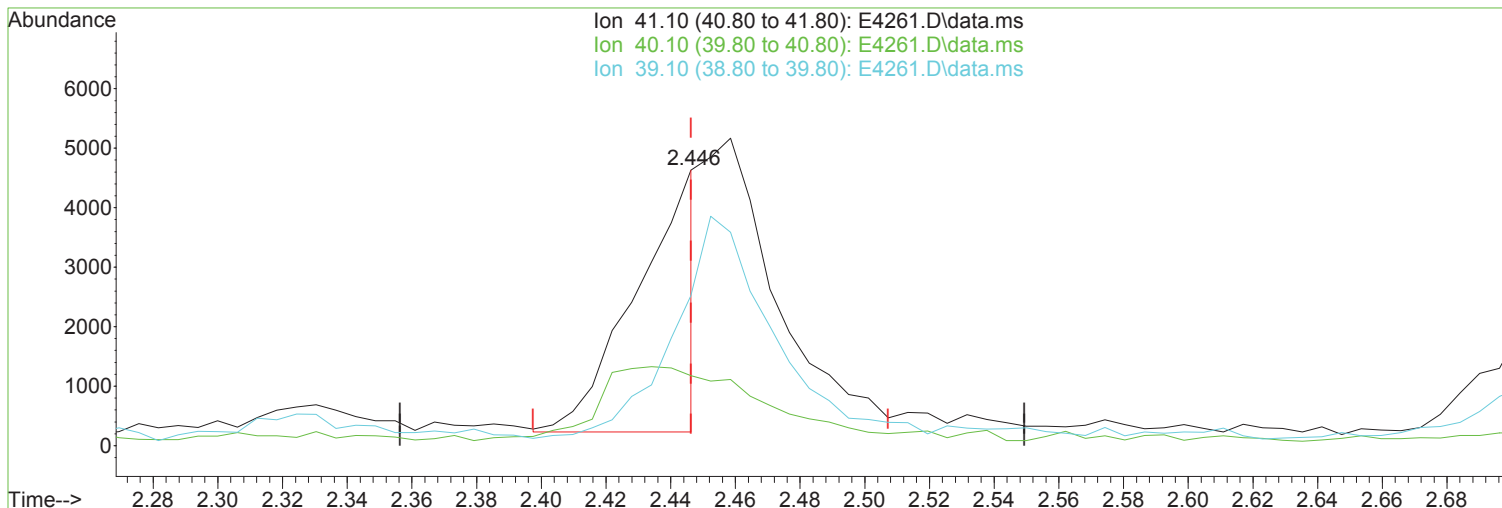
response 7083

| Ion | Exp% | Act% |
|--------|--------|--------|
| 141.90 | 100.00 | 100.00 |
| 126.90 | 48.90 | 39.82 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

2.446min (-0.000) 4.56 ug/L m

response 5810

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 25.47 |
| 39.10 | 65.30 | 54.47 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

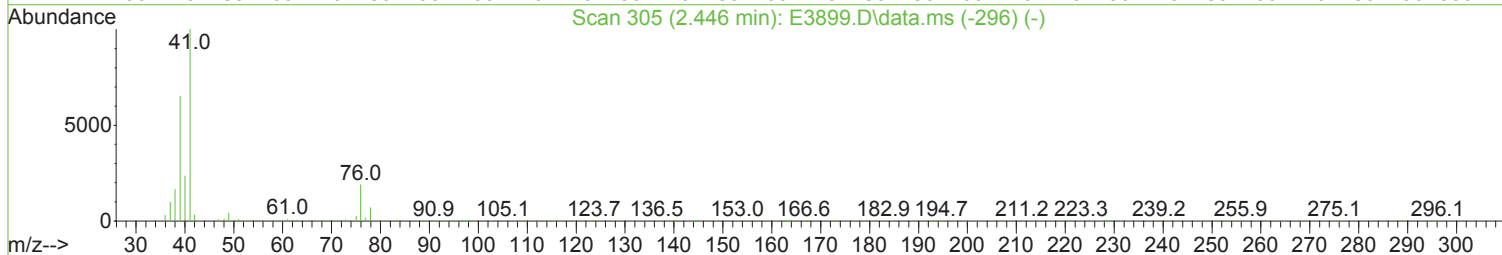
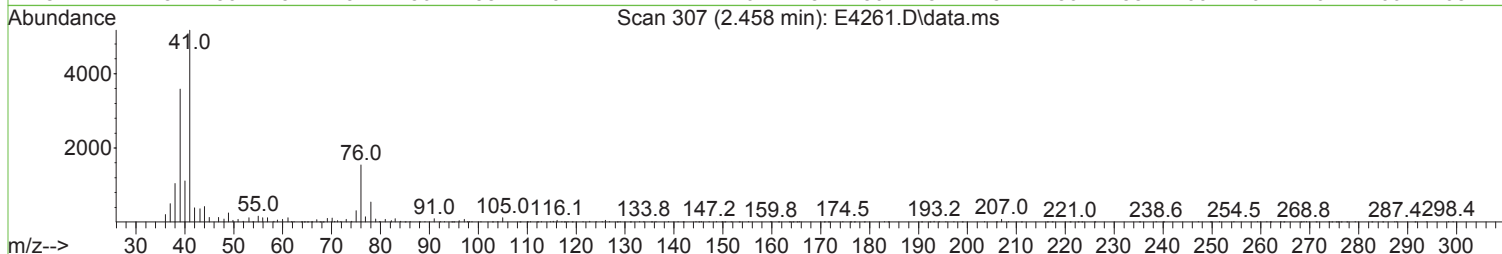
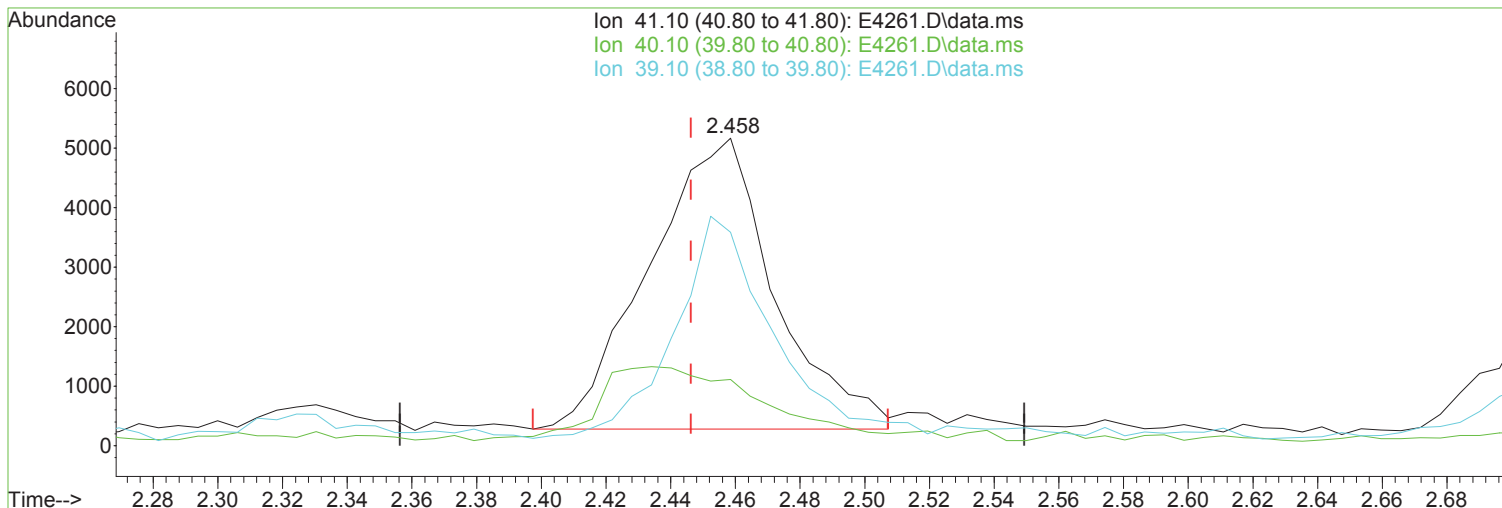
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.458min (+ 0.012) 10.36 ug/L

Before

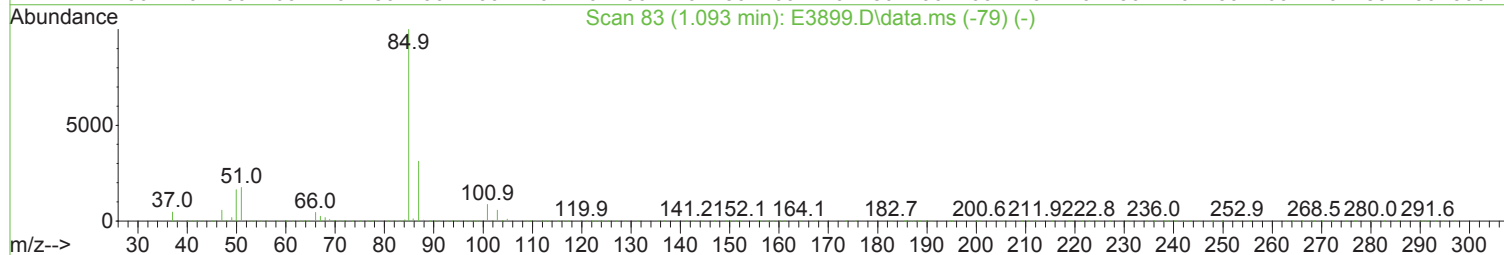
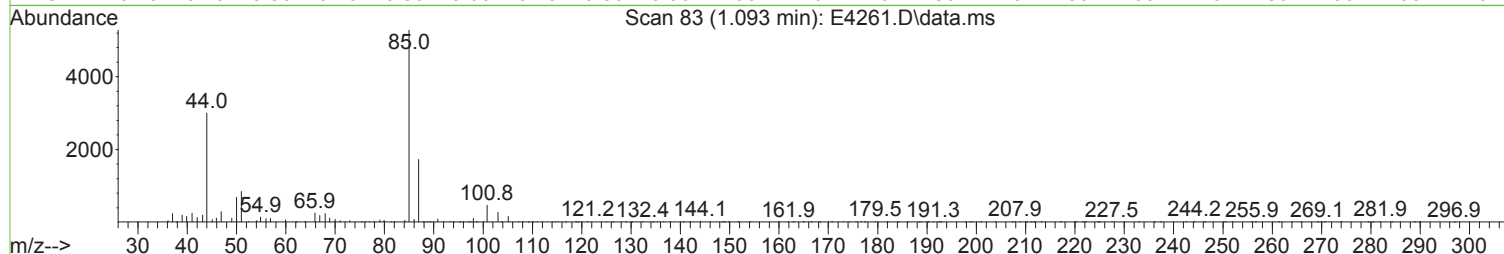
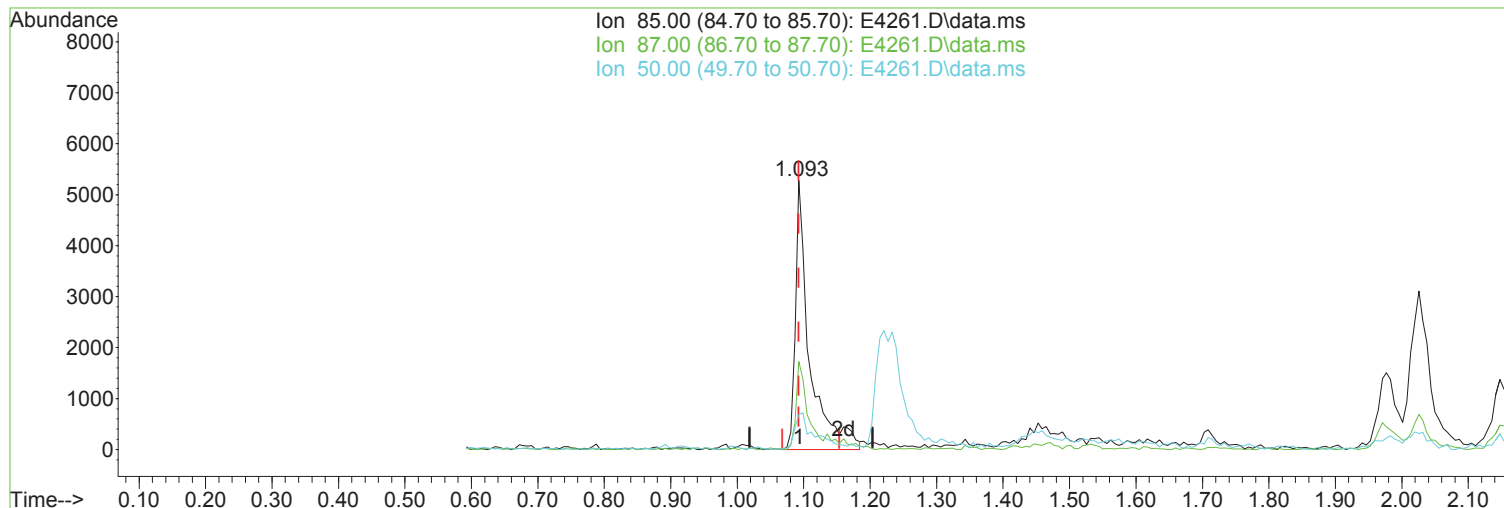
response 13199

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 21.55 |
| 39.10 | 65.30 | 69.41 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 2.05 ug/L m

response 7799

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 32.74 |
| 50.00 | 16.40 | 13.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

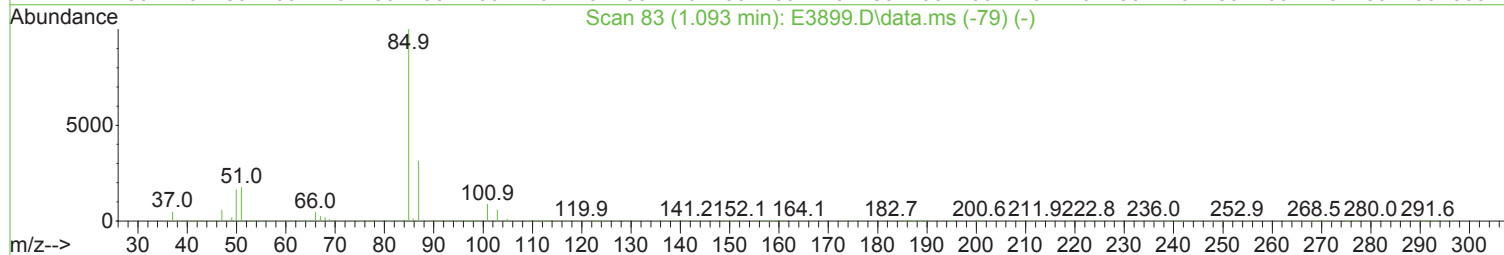
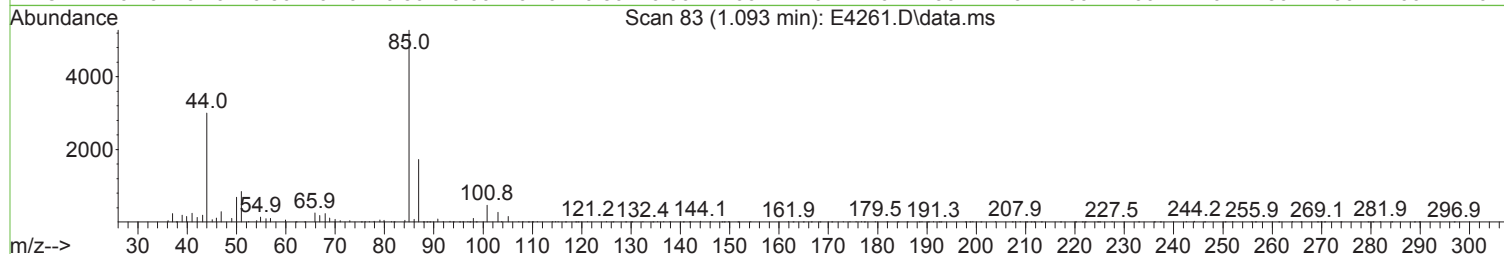
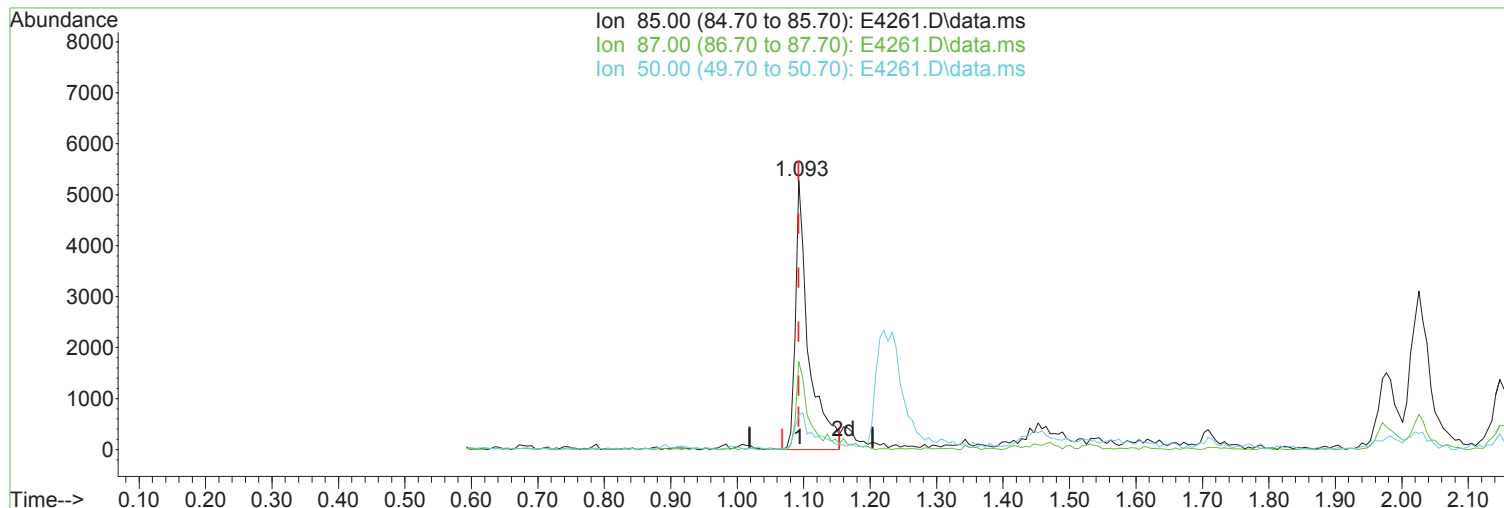
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 1.90 ug/L

Before

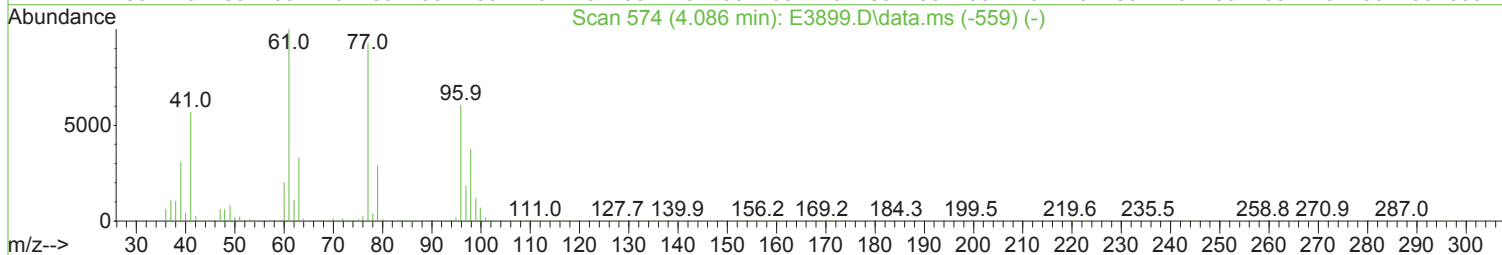
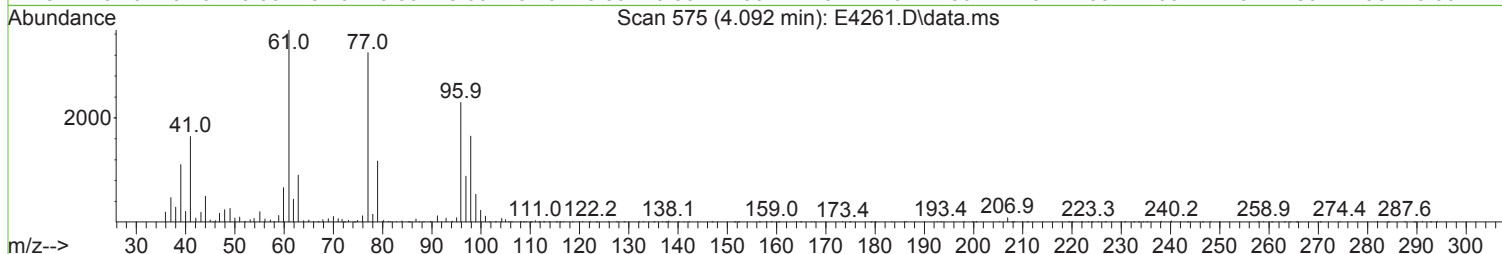
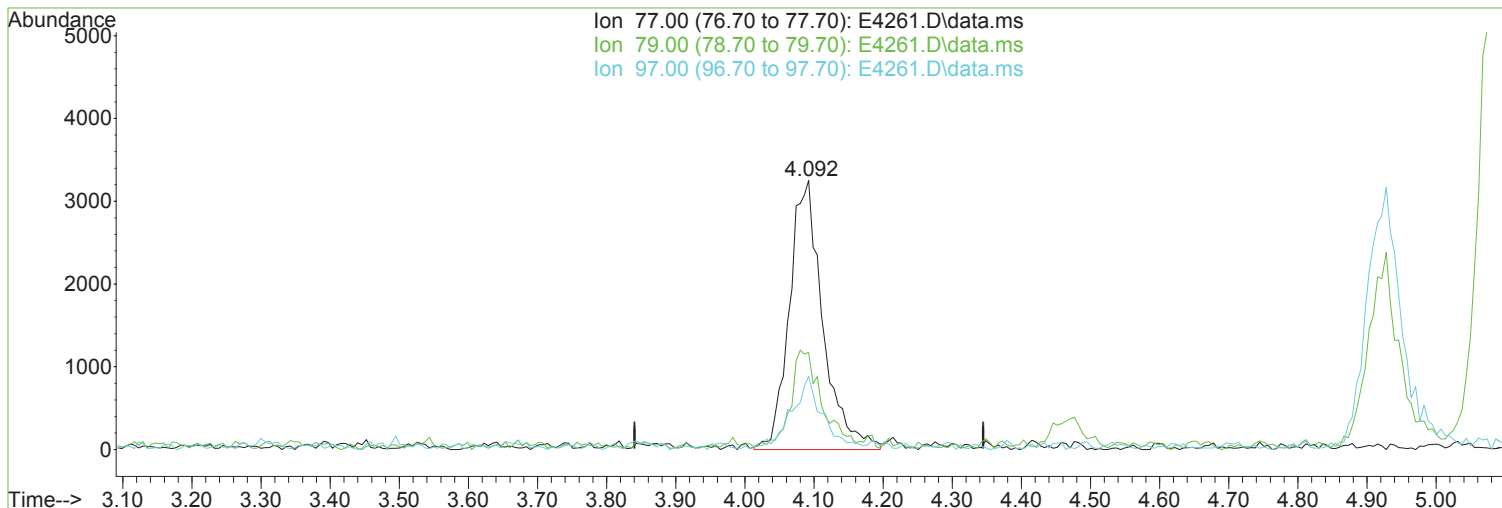
response 7224

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 32.74 |
| 50.00 | 16.40 | 13.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(33) 2,2-Dichloropropane

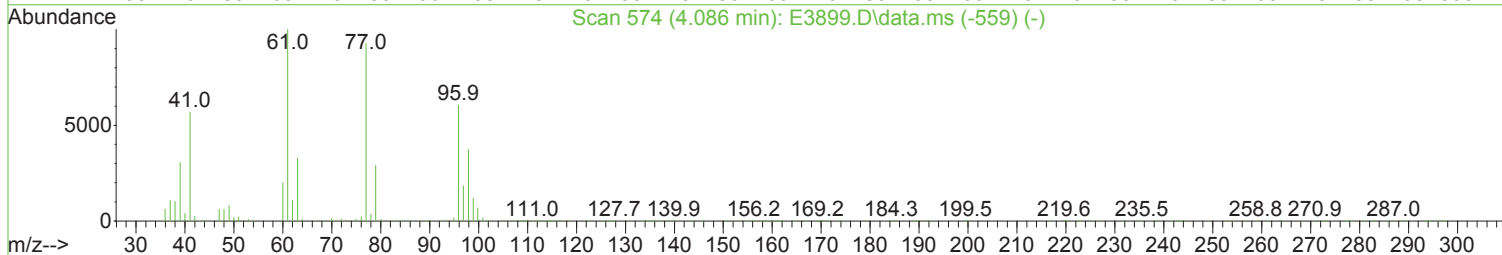
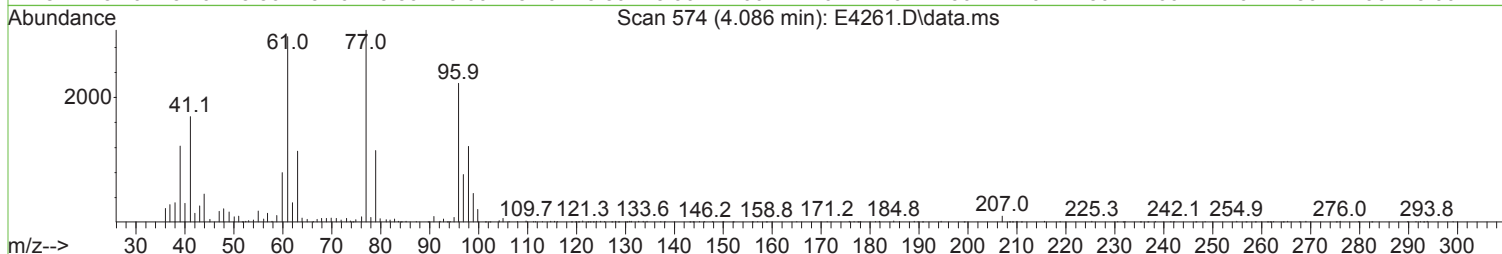
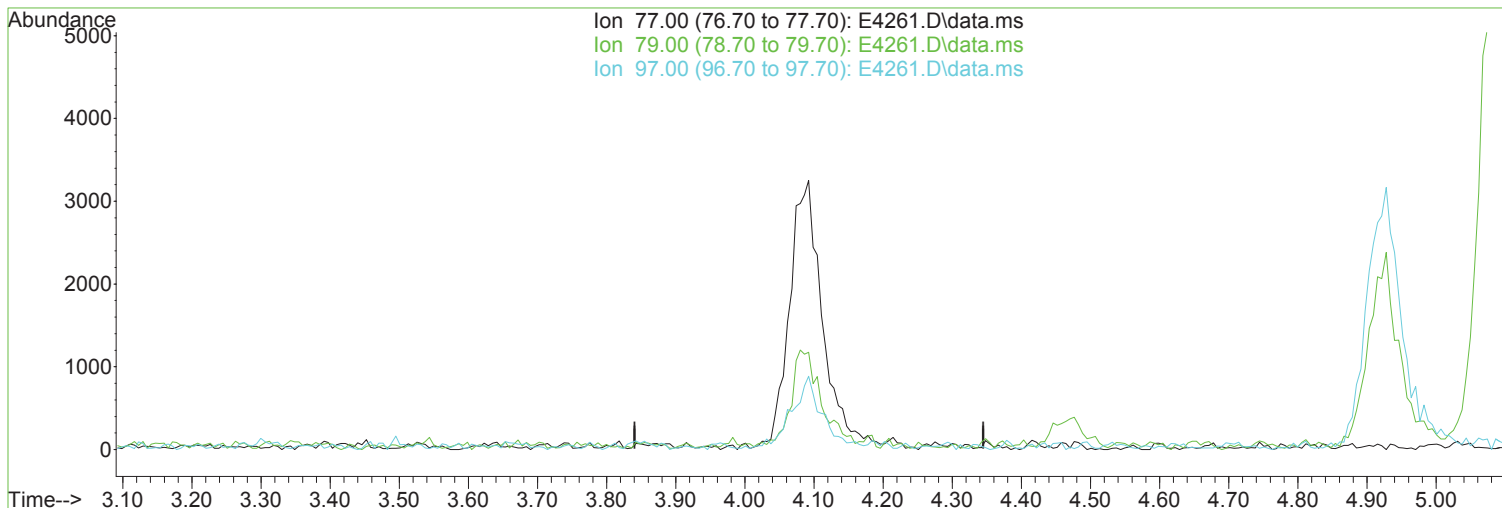
4.092min (+ 0.006) 1.93 ug/L m

| response | 10908 |
|----------|---------------|
| Ion | Exp% Act% |
| 77.00 | 100.00 100.00 |
| 79.00 | 31.40 36.15 |
| 97.00 | 19.80 27.29 |
| 0.00 | 0.00 0.00 |

Manual Integration:
After
Peak not found.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

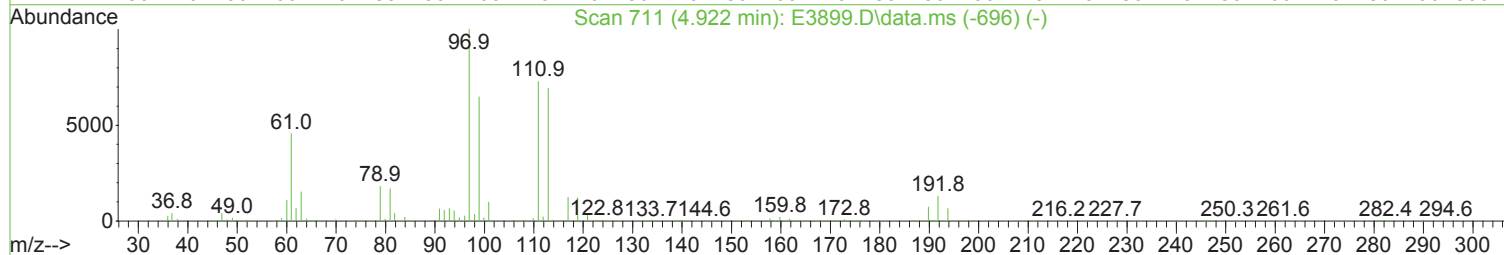
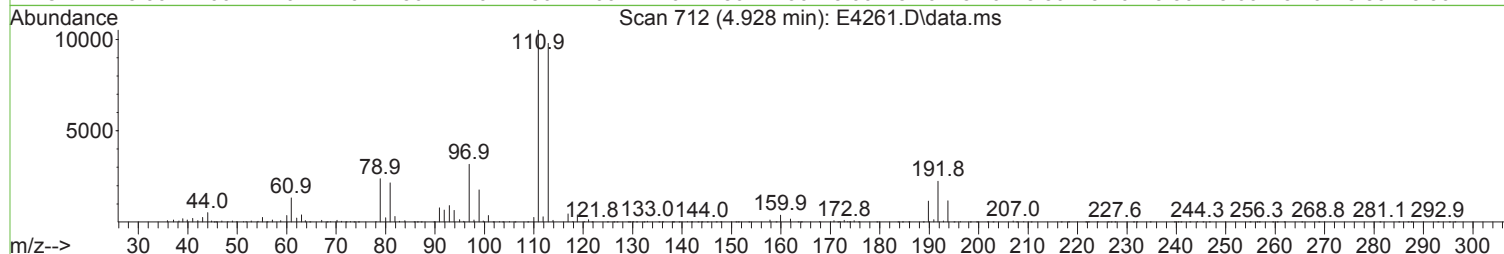
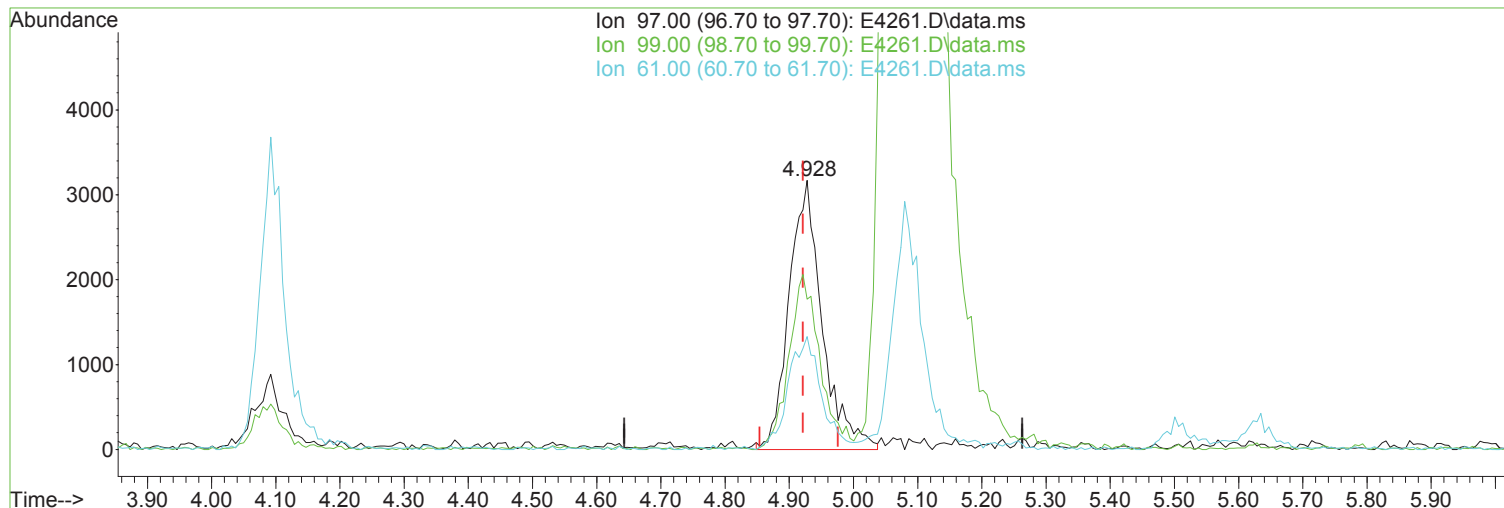


(33) 2,2-Dichloropropane
4.086min (-4.086) 0.00 ug/L
response 0
Ion Exp% Act%
77.00 100.00 0.00
79.00 31.40 0.00#
97.00 19.80 0.00
0.00 0.00 0.00

Manual Integration:
Before
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4261.D
 Acq On : 04 Aug 2023 05:10 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



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

4.928min (+ 0.006) 2.23 ug/L m

response 11340

| Ion | Exp% | Act% |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 64.80 | 55.93 |
| 61.00 | 45.60 | 41.98 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

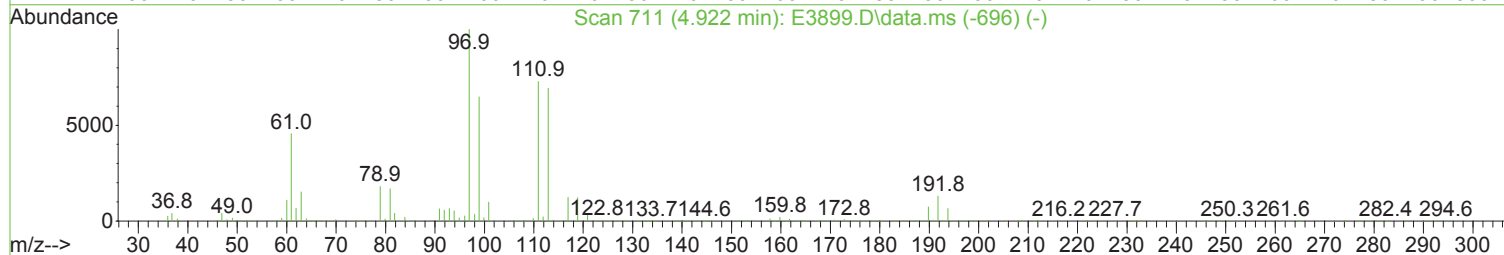
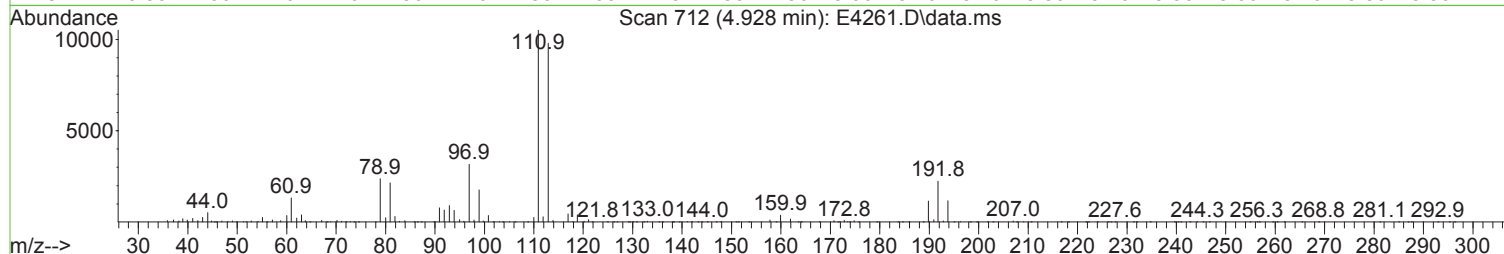
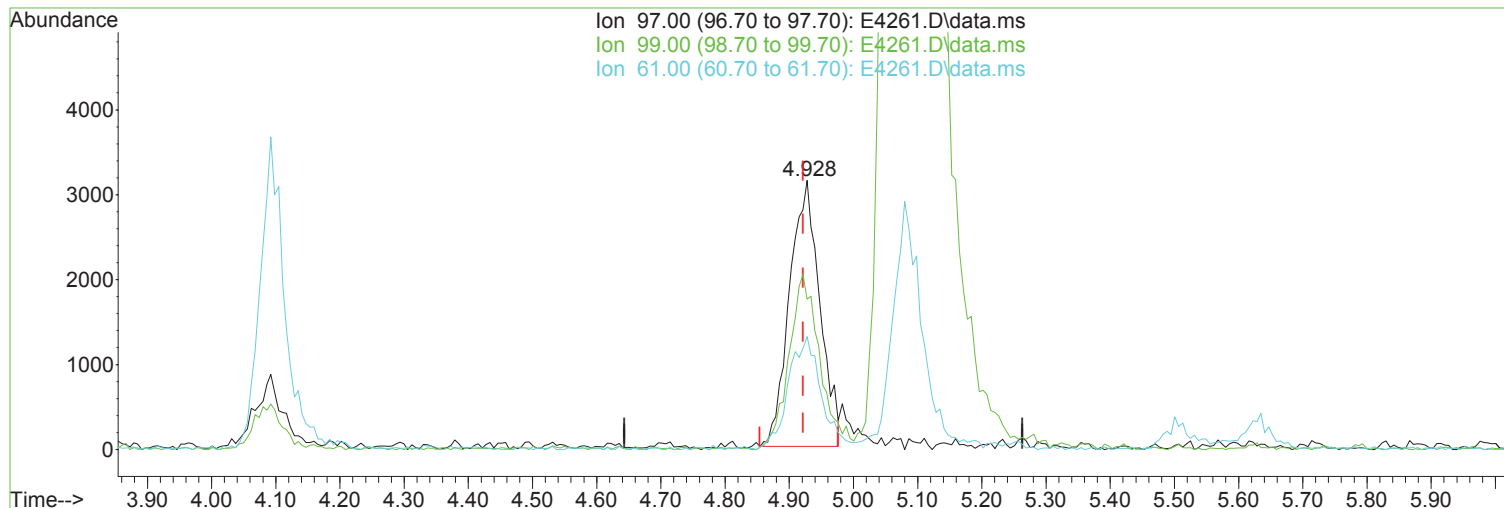
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



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

Manual Integration:

4.928min (+ 0.006) 2.01 ug/L

Before

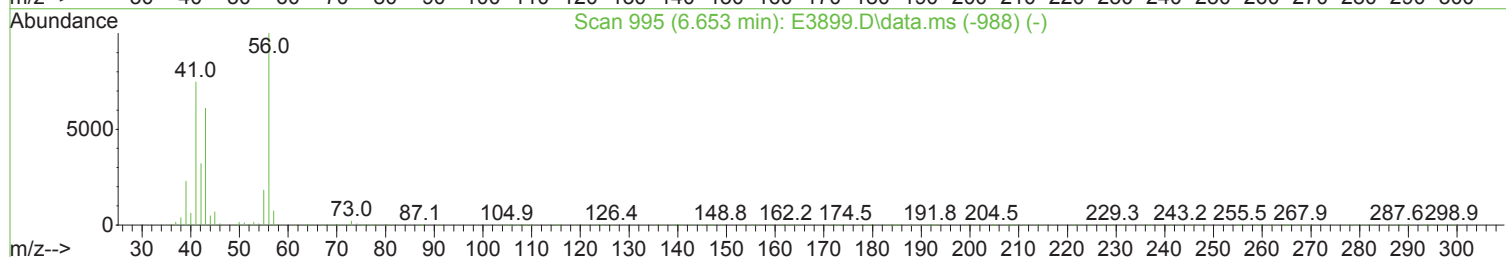
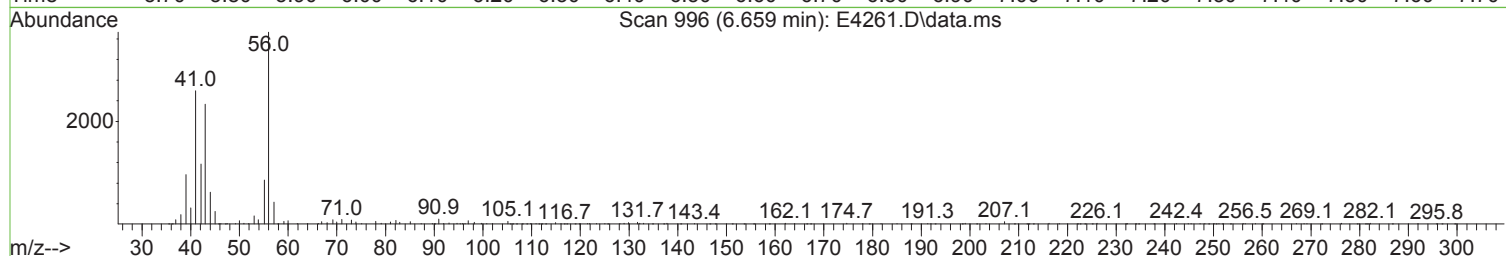
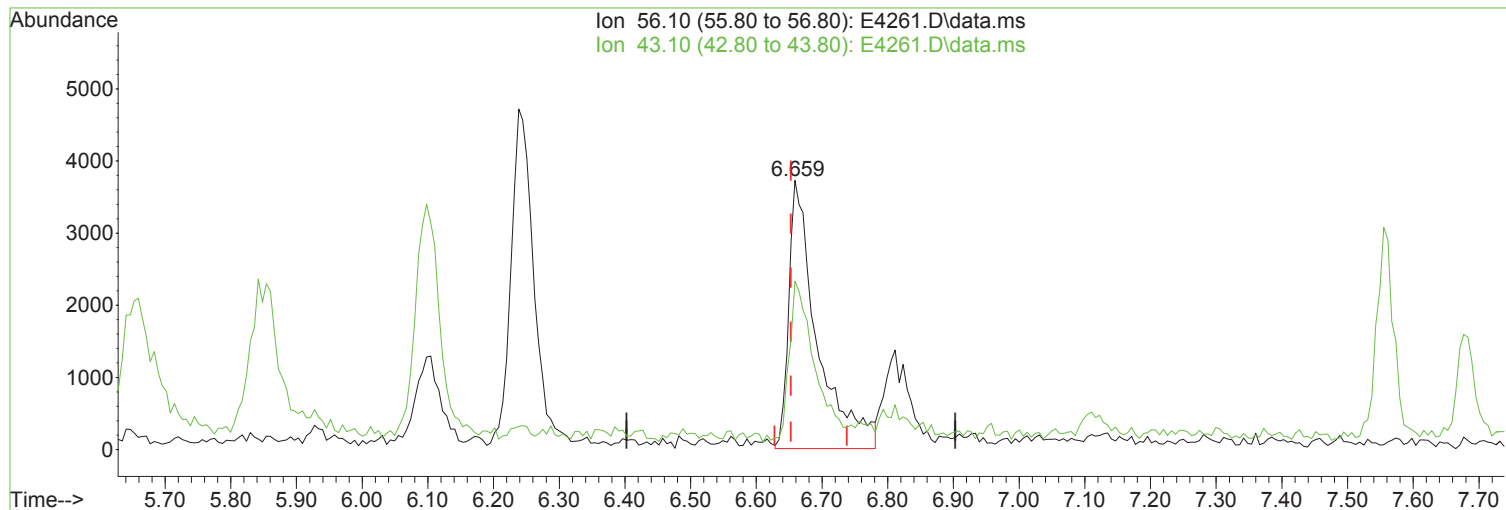
response 10246

| Ion | Exp% | Act% |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 64.80 | 55.93 |
| 61.00 | 45.60 | 41.98 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(53) 1-Butanol

Manual Integration:

6.659min (+ 0.006) 95.50 ug/L m

After

response 11098

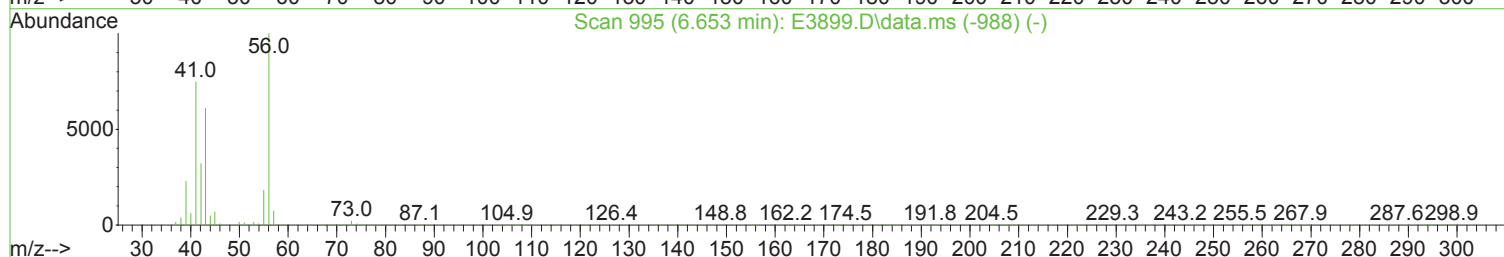
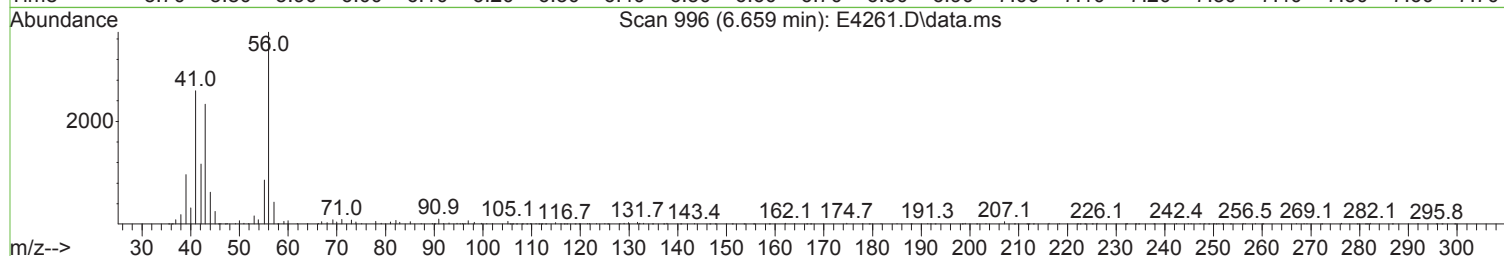
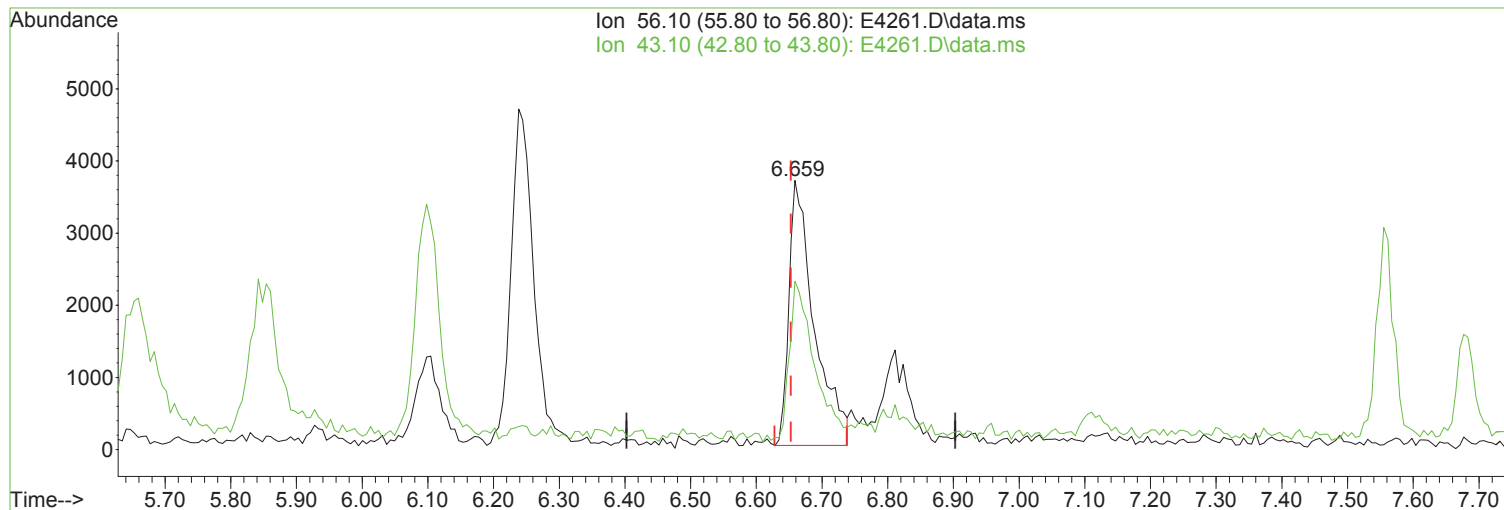
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 43.10 | 61.10 | 62.62 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4261.D
 Acq On : 04 Aug 2023 05:10 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



TIC: E4261.D\data.ms

(53) 1-Butanol

Manual Integration:

6.659min (+ 0.006) 84.47 ug/L

Before

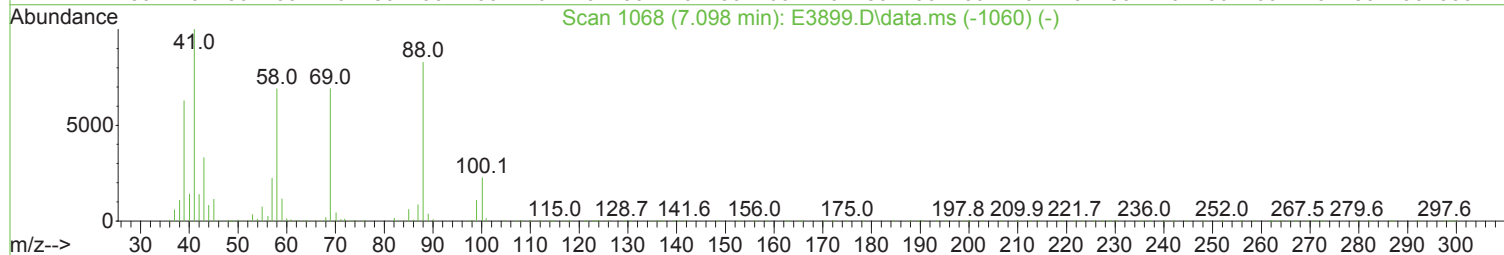
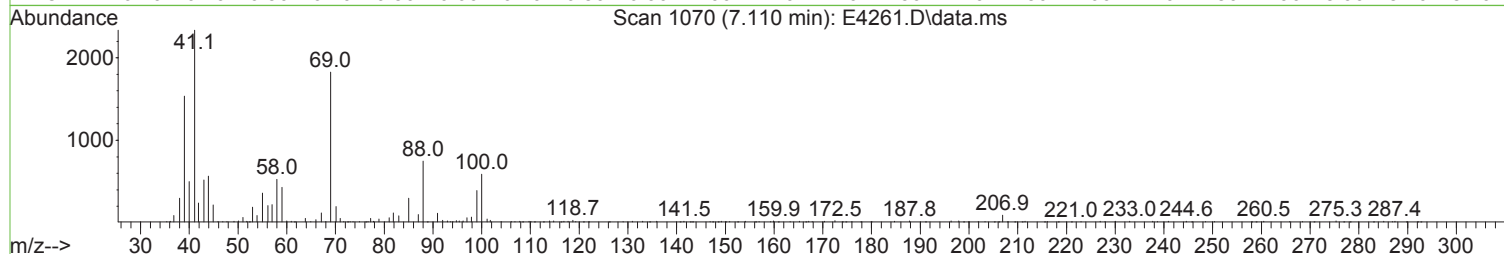
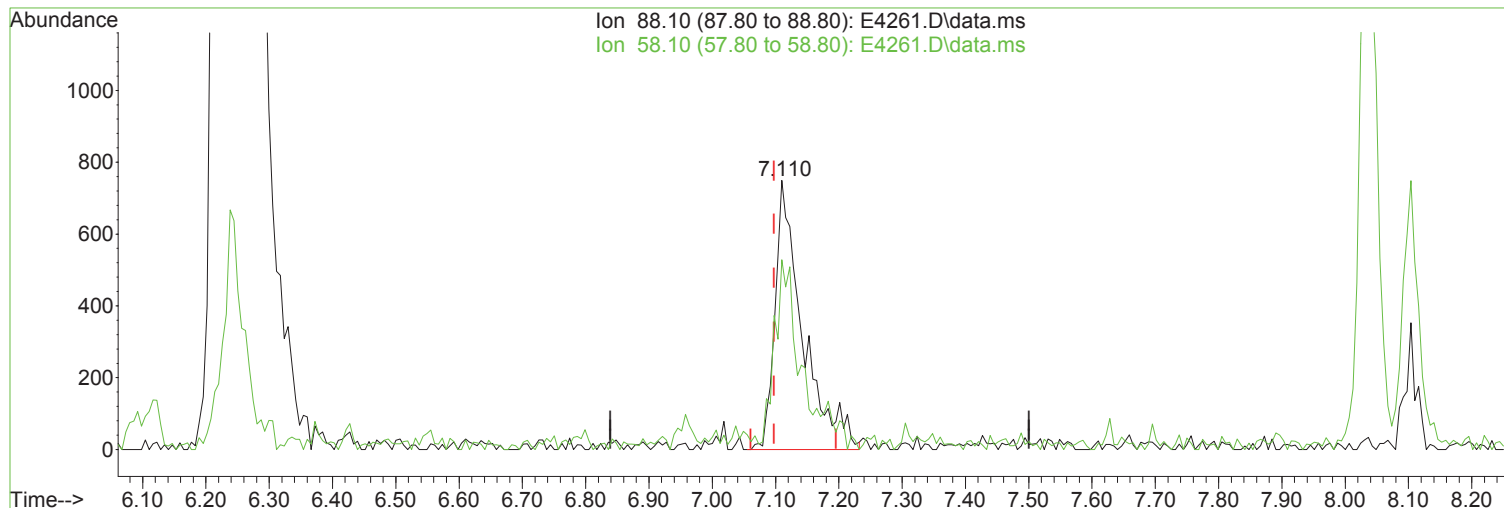
response 9816

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 43.10 | 61.10 | 62.62 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



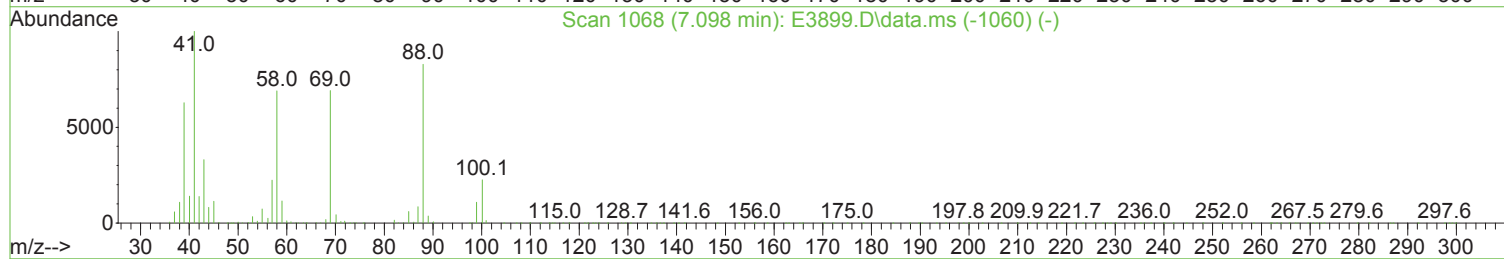
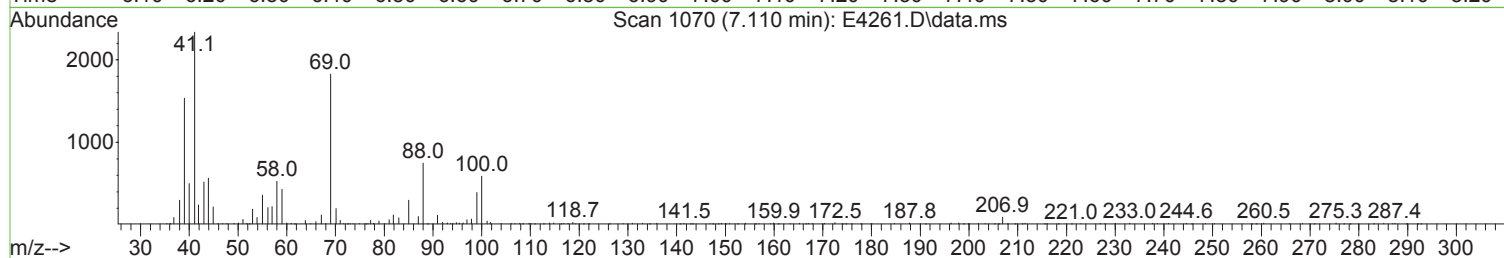
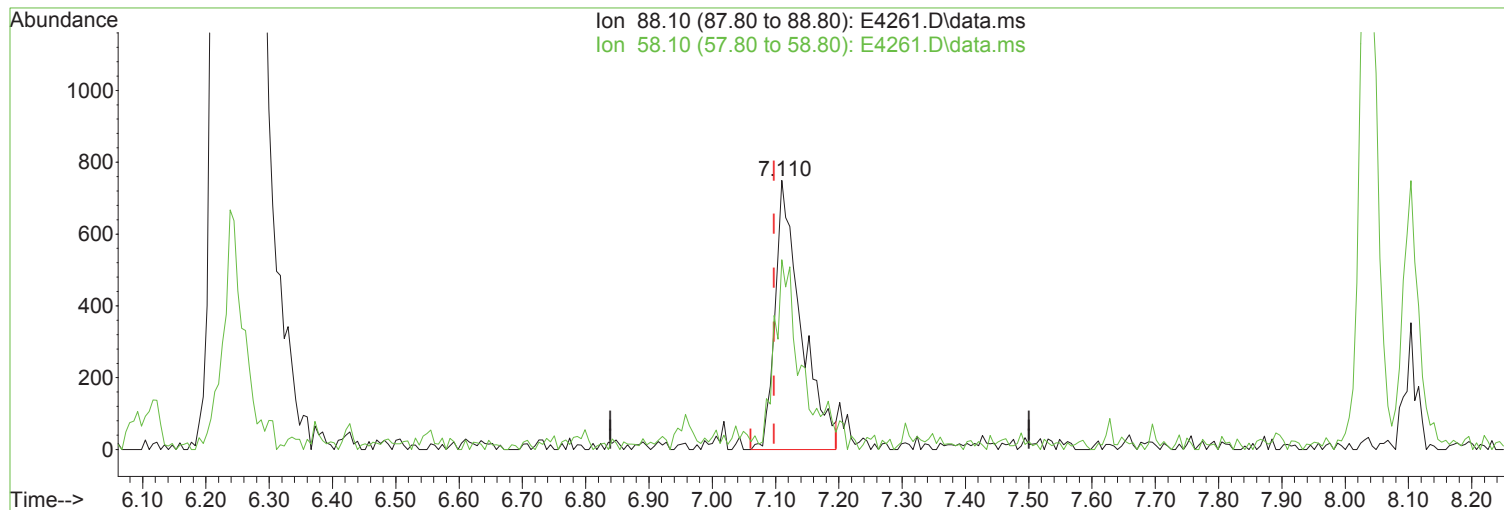
TIC: E4261.D\data.ms

| | | |
|--------------------|--------------|--------|
| (58) | 1,4-Dioxane | |
| 7.110min (+ 0.012) | 41.21 ug/L m | |
| response | 2272 | |
| Ion | Exp% | Act% |
| 88.10 | 100.00 | 100.00 |
| 58.10 | 83.20 | 70.49 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.110min (+ 0.012) 38.87 ug/L

Before

response 2143

| Ion | Exp% | Act% |
|-------|--------|--------|
| 88.10 | 100.00 | 100.00 |
| 58.10 | 83.20 | 69.47 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4261.D
 Acq On : 04 Aug 2023 05:10 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 366350 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.244 | 114 | 531104 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 464352 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.682 | 152 | 218486 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.915 | 113 | 35514 | 10.11 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 20.22%# |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 41939 | 10.42 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 20.84%# |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 134360 | 10.52 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 21.04%# |
| 70) SURR2,BFB | 10.707 | 95 | 45962 | 9.44 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 18.88%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.105 | 51 | 6812 | 2.023 | ug/L | 89 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 7799m | 2.053 | ug/L | |
| 4) Chloromethane | 1.221 | 50 | 6274 | 2.158 | ug/L | 87 |
| 5) Vinyl Chloride | 1.288 | 62 | 8080 | 2.041 | ug/L | 98 |
| 6) Bromomethane | 1.501 | 94 | 5488 | 2.064 | ug/L | 86 |
| 7) Chloroethane | 1.568 | 64 | 4774 | 1.787 | ug/L | 97 |
| 8) Freon 21 | 1.709 | 67 | 11040 | 2.045 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.751 | 101 | 9988 | 1.963 | ug/L | 93 |
| 10) Diethyl Ether | 1.971 | 59 | 4801 | 2.007 | ug/L | 92 |
| 11) Freon 123a | 1.977 | 67 | 6868 | 2.139 | ug/L | 80 |
| 12) Freon 123 | 2.026 | 83 | 8855m | 2.254 | ug/L | |
| 13) Acrolein | 2.068 | 56 | 4909 | 8.968 | ug/L | 89 |
| 14) 1,1-Dicethene | 2.148 | 96 | 5846 | 2.104 | ug/L | # 80 |
| 15) Freon 113 | 2.154 | 101 | 6568 | 2.169 | ug/L | 98 |
| 16) Acetone | 2.196 | 43 | 4080 | 2.400 | ug/L | 85 |
| 17) 2-Propanol | 2.324 | 45 | 10496 | 37.611 | ug/L | 78 |
| 18) Iodomethane | 2.263 | 142 | 7437m | 1.747 | ug/L | |
| 19) Carbon Disulfide | 2.324 | 76 | 17159 | 2.079 | ug/L | 98 |
| 20) Acetonitrile | 2.446 | 41 | 5810m | 4.560 | ug/L | |
| 21) Allyl Chloride | 2.452 | 76 | 3275 | 2.080 | ug/L | # 77 |
| 22) Methyl Acetate | 2.483 | 43 | 8259 | 2.147 | ug/L | 93 |
| 23) Methylene Chloride | 2.568 | 84 | 6692 | 2.160 | ug/L | 90 |
| 24) TBA | 2.702 | 59 | 19312 | 39.475 | ug/L | 93 |
| 25) Acrylonitrile | 2.818 | 53 | 14354 | 9.991 | ug/L | 95 |
| 26) Methyl-t-Butyl Ether | 2.855 | 73 | 20723 | 2.100 | ug/L | 95 |
| 27) trans-1,2-Dichloroethene | 2.836 | 96 | 6370 | 2.022 | ug/L | # 78 |
| 28) 1,1-Dicethane | 3.312 | 63 | 10700 | 2.139 | ug/L | 97 |
| 29) Vinyl Acetate | 3.391 | 86 | 1078 | 2.326 | ug/L | # 1 |
| 30) DIPE | 3.428 | 45 | 18446 | 2.039 | ug/L | 98 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 9482 | 1.988 | ug/L | 88 |
| 32) ETBE | 3.928 | 59 | 19191 | 2.044 | ug/L | 91 |
| 33) 2,2-Dichloropropane | 4.092 | 77 | 10908m | 1.932 | ug/L | |
| 34) cis-1,2-Dichloroethene | 4.098 | 96 | 7604 | 2.216 | ug/L | # 73 |
| 35) 2-Butanone | 4.172 | 43 | 4220 | 2.101 | ug/L | 84 |
| 36) Propionitrile | 4.239 | 54 | 6159 | 10.270 | ug/L | 79 |
| 37) Bromochloromethane | 4.464 | 130 | 4490 | 2.148 | ug/L | # 79 |
| 38) Methacrylonitrile | 4.482 | 67 | 3289 | 2.066 | ug/L | 100 |
| 39) Tetrahydrofuran | 4.604 | 42 | 3194 | 2.626 | ug/L | # 51 |
| 40) Chloroform | 4.635 | 83 | 11199 | 2.066 | ug/L | 95 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4261.D
 Acq On : 04 Aug 2023 05:10 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 41) 1,1,1-Trichloroethane | 4.928 | 97 | 11340m | 2.226 | ug/L | |
| 42) TAME | 5.854 | 73 | 19631 | 2.142 | ug/L | 96 |
| 44) Cyclohexane | 5.007 | 41 | 6003 | 2.223 | ug/L | 95 |
| 46) Carbontetrachloride | 5.214 | 117 | 8966 | 2.033 | ug/L | 91 |
| 47) 1,1-Dichloropropene | 5.238 | 75 | 8729 | 2.163 | ug/L | 97 |
| 49) Benzene | 5.574 | 78 | 24897 | 2.159 | ug/L | 96 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 9870 | 2.188 | ug/L | 90 |
| 51) Iso-Butyl Alcohol | 5.659 | 43 | 7783 | 40.769 | ug/L | 80 |
| 52) n-Heptane | 6.098 | 43 | 8427 | 2.036 | ug/L | 85 |
| 53) 1-Butanol | 6.659 | 56 | 11098m | 95.502 | ug/L | |
| 54) Trichloroethene | 6.574 | 130 | 7397 | 2.069 | ug/L | 91 |
| 55) Methylcyclohexane | 6.817 | 55 | 8174 | 2.215 | ug/L | 87 |
| 56) 1,2-Diclpropane | 6.872 | 63 | 6241 | 2.086 | ug/L | 81 |
| 57) Dibromomethane | 7.019 | 93 | 4417 | 2.010 | ug/L | # 71 |
| 58) 1,4-Dioxane | 7.110 | 88 | 2272m | 41.211 | ug/L | |
| 59) Methyl Methacrylate | 7.116 | 69 | 5303 | 1.951 | ug/L | 95 |
| 60) Bromodichloromethane | 7.256 | 83 | 9605 | 2.081 | ug/L | 92 |
| 61) 2-Nitropropane | 7.555 | 41 | 4885 | 4.166 | ug/L | 95 |
| 62) 2-Chloroethylvinyl Ether | 7.683 | 63 | 3867 | 2.017 | ug/L | 80 |
| 63) cis-1,3-Dichloropropene | 7.811 | 75 | 11031 | 2.142 | ug/L | 94 |
| 64) 4-Methyl-2-pentanone | 8.037 | 43 | 8257 | 2.162 | ug/L | 89 |
| 66) Toluene | 8.177 | 91 | 27467 | 2.091 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.463 | 75 | 9489 | 1.991 | ug/L | 90 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 9596 | 1.787 | ug/L | 94 |
| 69) 1,1,2-Trichloroethane | 8.652 | 97 | 6423 | 2.043 | ug/L | 90 |
| 72) Tetrachloroethene | 8.774 | 164 | 5956 | 2.113 | ug/L | 89 |
| 73) 2-Hexanone | 8.963 | 43 | 6057 | 2.184 | ug/L | 95 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 10877 | 2.181 | ug/L | 93 |
| 75) Dibromochloromethane | 9.055 | 129 | 7753 | 1.867 | ug/L | 97 |
| 76) N-Butyl Acetate | 9.122 | 43 | 11186 | 2.027 | ug/L | 90 |
| 77) 1,2-Dibromoethane | 9.146 | 107 | 7178 | 2.170 | ug/L | 95 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 10642 | 2.078 | ug/L | 92 |
| 79) Chlorobenzene | 9.646 | 112 | 18865 | 2.178 | ug/L | 98 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 9683 | 2.101 | ug/L | 91 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 7296 | 2.110 | ug/L | 97 |
| 82) Ethylbenzene | 9.768 | 106 | 9651 | 2.139 | ug/L | 93 |
| 83) (m+p)Xylene | 9.884 | 106 | 24018 | 4.262 | ug/L | 97 |
| 84) o-Xylene | 10.244 | 106 | 12120 | 2.189 | ug/L | 90 |
| 85) Styrene | 10.256 | 104 | 18609 | 1.983 | ug/L | 97 |
| 86) Bromoform | 10.408 | 173 | 5718 | 2.038 | ug/L | 98 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 10275 | 2.054 | ug/L | 94 |
| 88) Isopropylbenzene | 10.579 | 105 | 29428 | 2.159 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 27407 | 39.794 | ug/L | 96 |
| 90) trans-1,4-Dichloro-2-B... | 10.896 | 53 | 2823 | 2.104 | ug/L | 93 |
| 92) 1,1,2,2-Tetrachloroethane | 10.847 | 83 | 9026 | 2.328 | ug/L | 95 |
| 93) Bromobenzene | 10.823 | 156 | 8479 | 2.308 | ug/L | # 80 |
| 94) 1,2,3-Trichloropropane | 10.878 | 110 | 3052 | 2.275 | ug/L | # 71 |
| 95) n-Propylbenzene | 10.939 | 91 | 33862 | 2.336 | ug/L | 96 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 20562 | 2.342 | ug/L | 95 |
| 97) 3-Chlorotoluene | 11.054 | 91 | 20446 | 2.274 | ug/L | 96 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 25231 | 2.358 | ug/L | 97 |
| 99) 1,3,5-Trimethylbenzene | 11.091 | 105 | 26217 | 2.345 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.365 | 119 | 22349 | 2.351 | ug/L | 97 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 25290 | 2.349 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 8069 | 2.229 | ug/L | 93 |
| 103) sec-Butylbenzene | 11.548 | 105 | 32419 | 2.385 | ug/L | 100 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4261.D
 Acq On : 04 Aug 2023 05:10 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

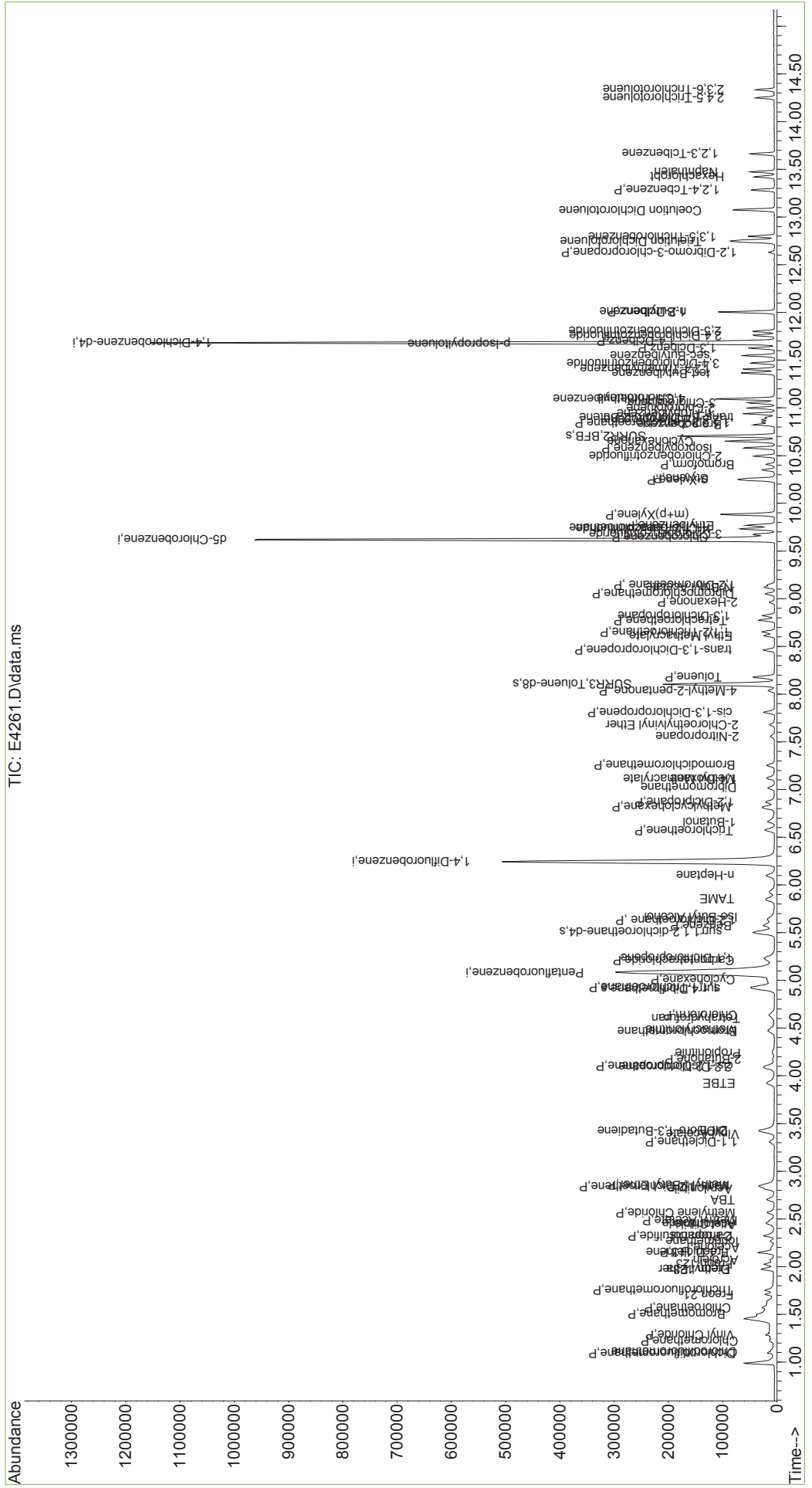
Quant Time: Aug 05 09:35:31 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|-------|----------|
| 104) p-Isopropyltoluene | 11.670 | 119 | 27473 | 2.302 | ug/L | 95 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 15381 | 2.309 | ug/L | 96 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 15806 | 2.318 | ug/L | 95 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 7178 | 2.214 | ug/L | 89 |
| 108) 2,5-Dichlorobenzotrifl... | 11.804 | 214 | 7927 | 2.207 | ug/L | 88 |
| 109) n-Butylbenzene | 12.006 | 91 | 23069 | 2.250 | ug/L | 93 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 14997 | 2.298 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.633 | 157 | 2291 | 2.140 | ug/L | 97 |
| 112) Trielution Dichlorotol... | 12.743 | 125 | 38140 | 6.844 | ug/L | 88 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 10985 | 2.243 | ug/L | 96 |
| 114) Coelution Dichlorotoluene | 13.072 | 125 | 25737 | 4.369 | ug/L | 96 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 10726 | 2.172 | ug/L | 97 |
| 116) Hexachlorobt | 13.426 | 225 | 5722 | 2.486 | ug/L | 95 |
| 117) Naphthalen | 13.475 | 128 | 26355 | 2.152 | ug/L | 98 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 10593 | 2.214 | ug/L | 96 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 6838 | 2.194 | ug/L | 95 |
| 120) 2,3,6-Trichlorotoluene | 14.334 | 159 | 6557 | 2.251 | ug/L | 93 |

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

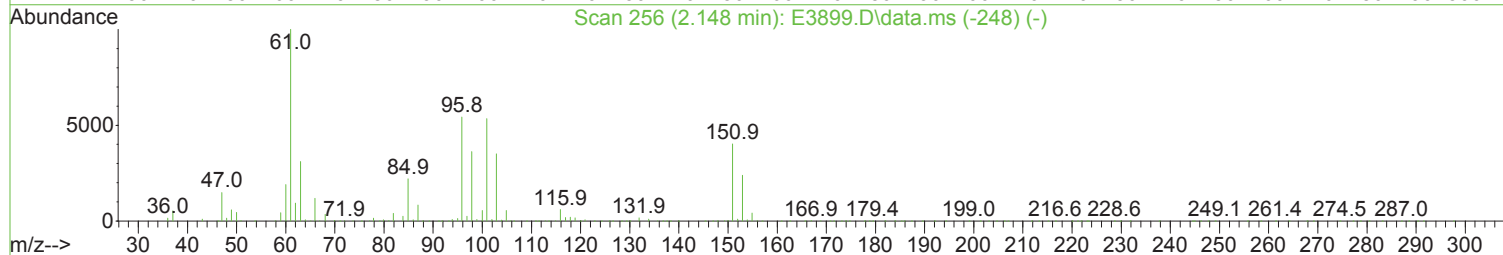
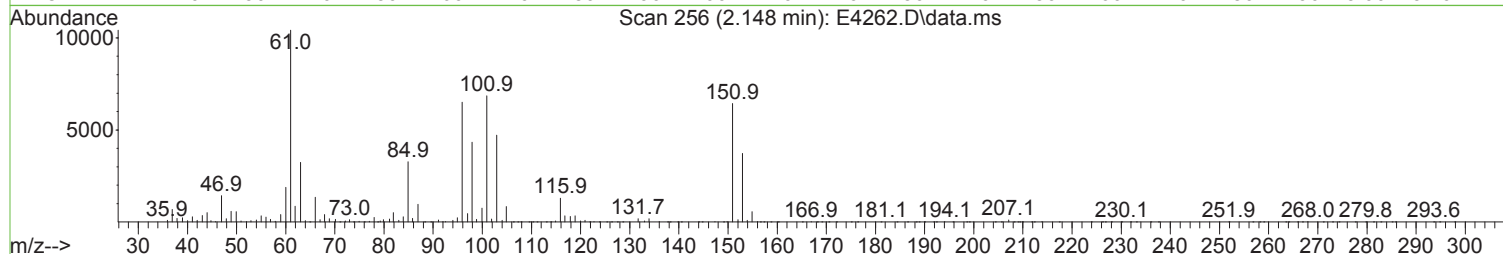
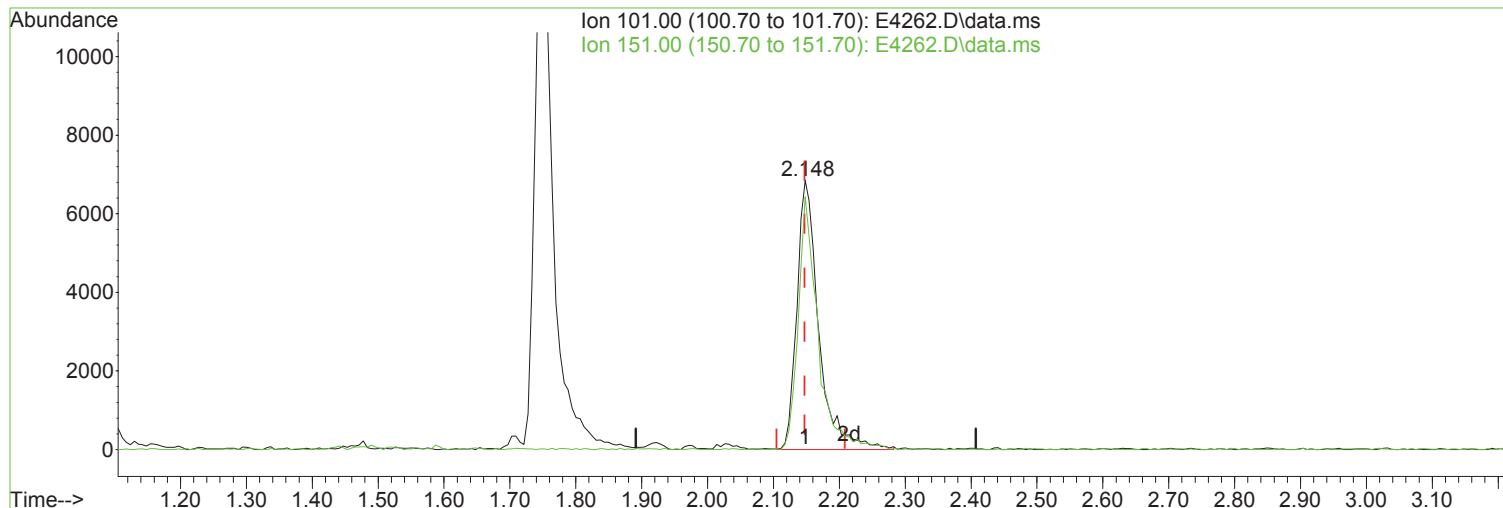
Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4261.D
 Acq On : 04 Aug 2023 05:10 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : WATER ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(15) Freon 113 (P)

Manual Integration:

2.148min (+ 0.000) 5.26 ug/L m

After

response 15804

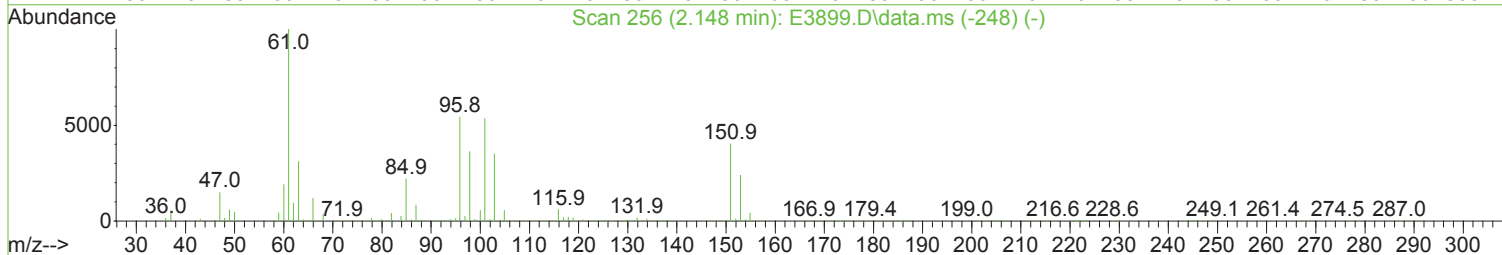
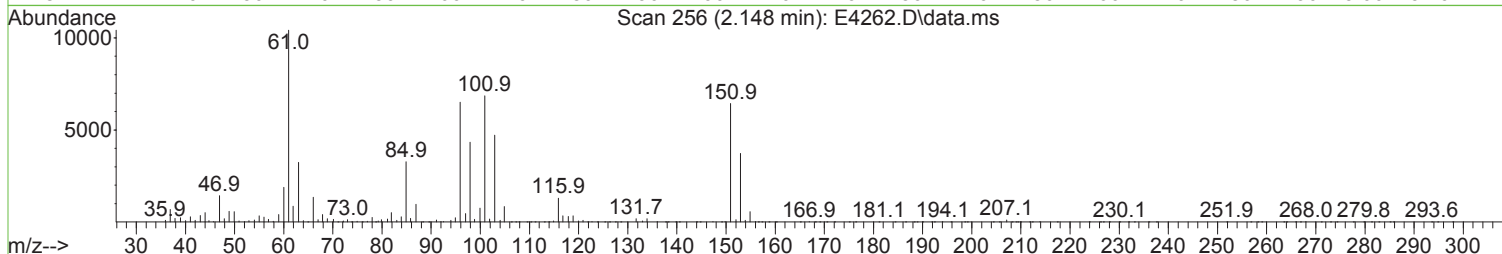
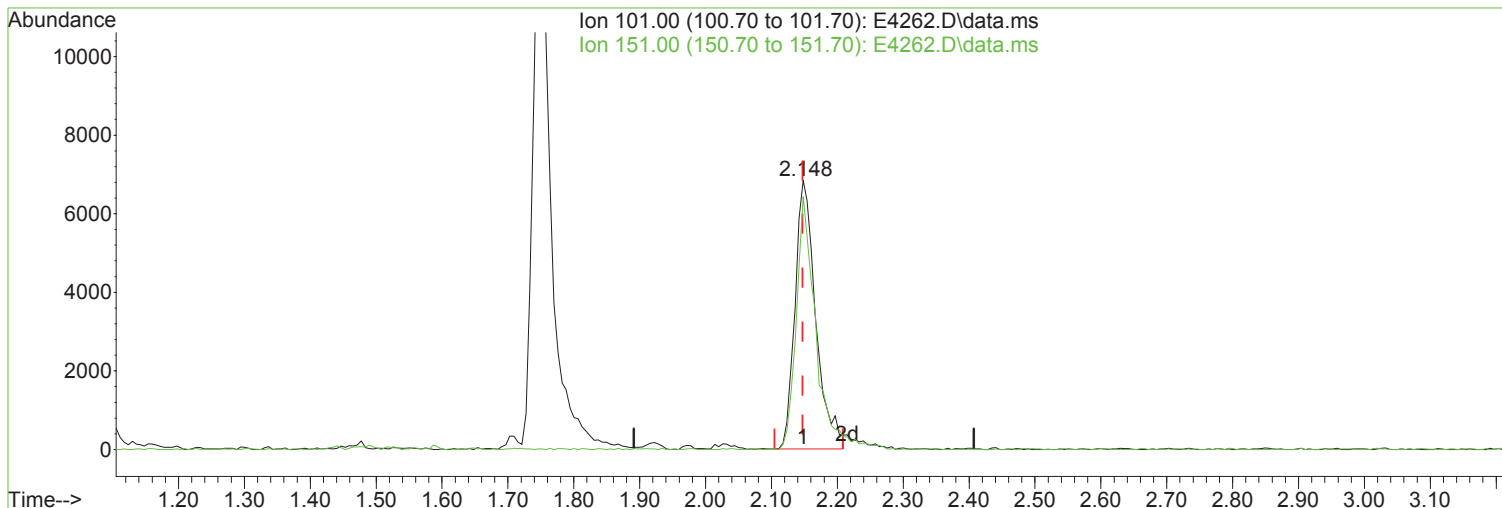
Poor integration.

| Ion | Exp% | Act% |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 151.00 | 75.30 | 93.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4262.D
 Acq On : 04 Aug 2023 05:32 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

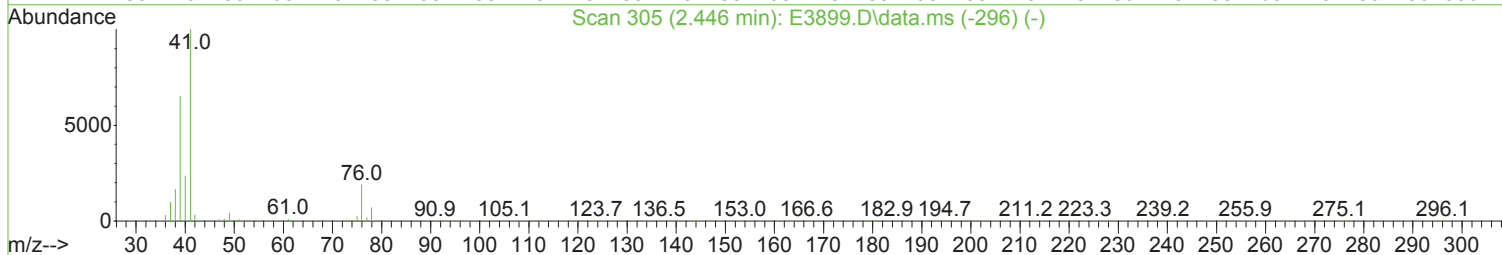
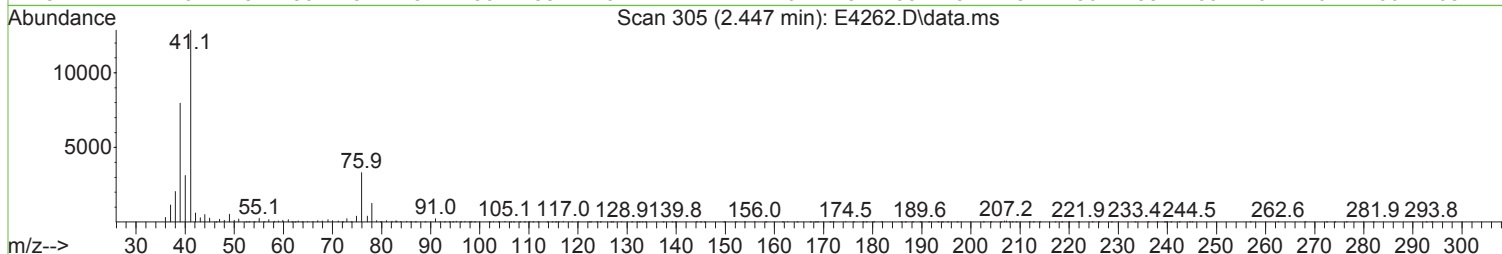
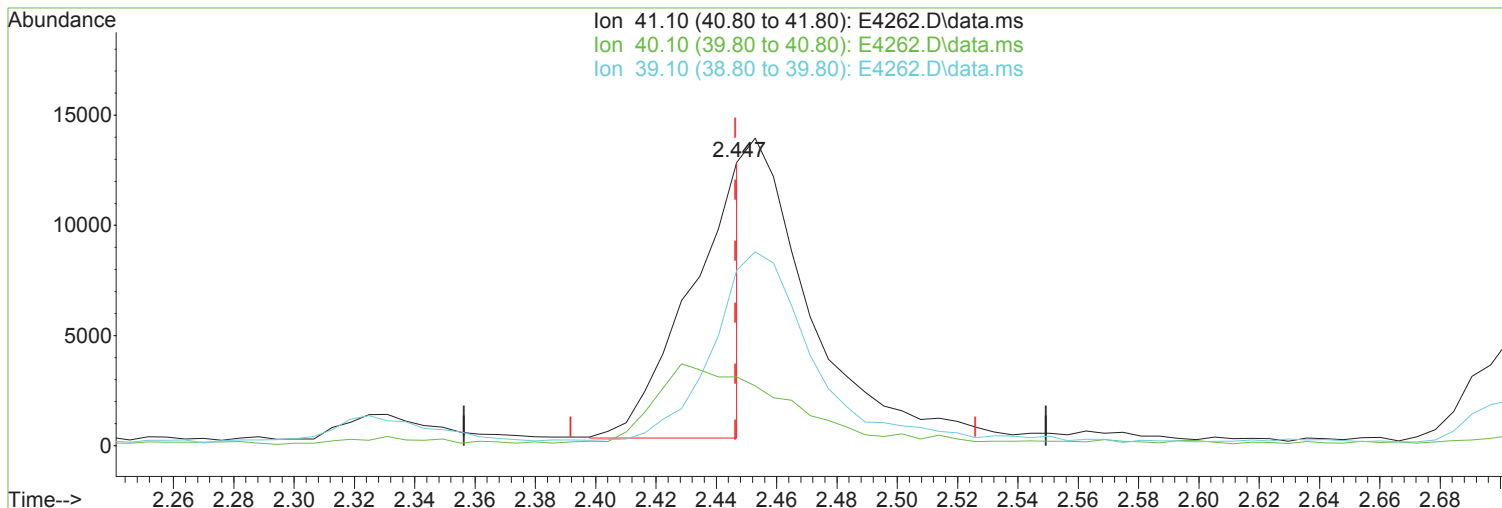
Quant Time: Aug 05 09:35:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



| (15) Freon 113 (P) | | | Manual Integration: |
|--------------------|-----------|--------|---------------------|
| 2.148min (+ 0.000) | 5.00 ug/L | | Before |
| response | 15016 | | |
| Ion | Exp% | Act% | 08/05/23 |
| 101.00 | 100.00 | 100.00 | |
| 151.00 | 75.30 | 93.97 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

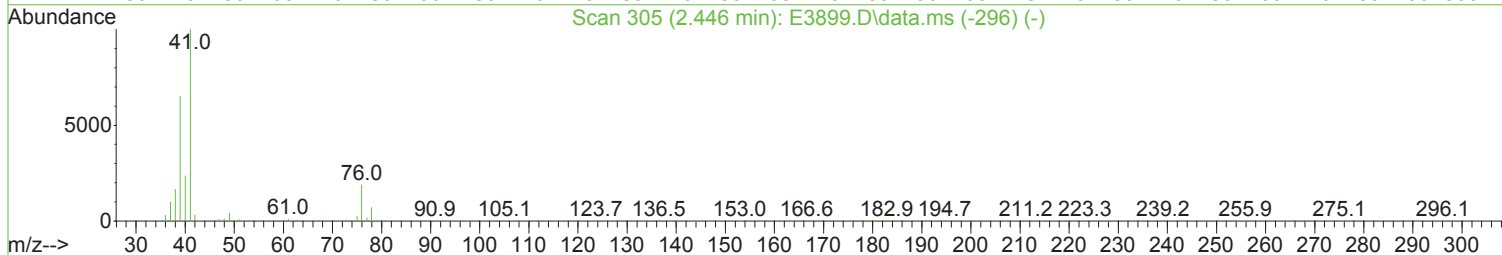
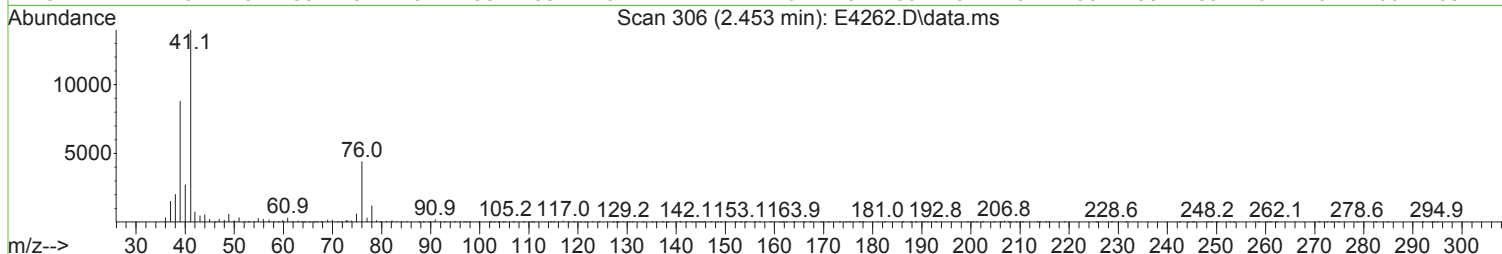
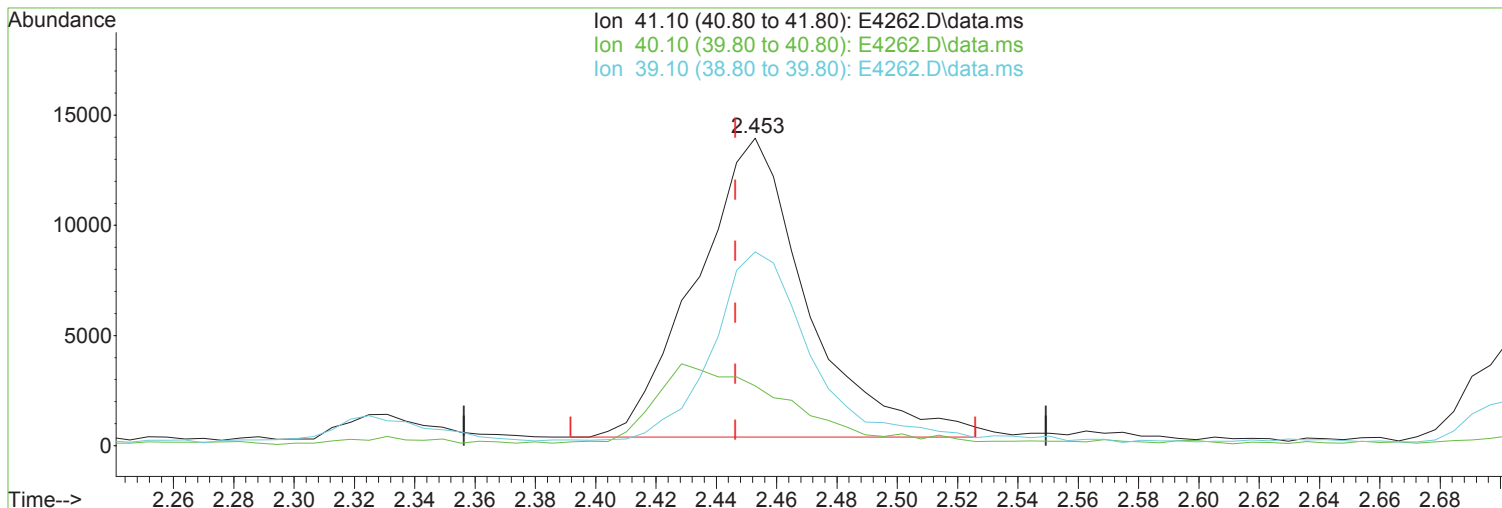
2.447min (+ 0.000) 12.31 ug/L m

| response | 15567 |
|----------|---------------|
| Ion | Exp% Act% |
| 41.10 | 100.00 100.00 |
| 40.10 | 23.60 24.26 |
| 39.10 | 65.30 61.93 |
| 0.00 | 0.00 0.00 |

Manual Integration:
After
Poor integration.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile Manual Integration:

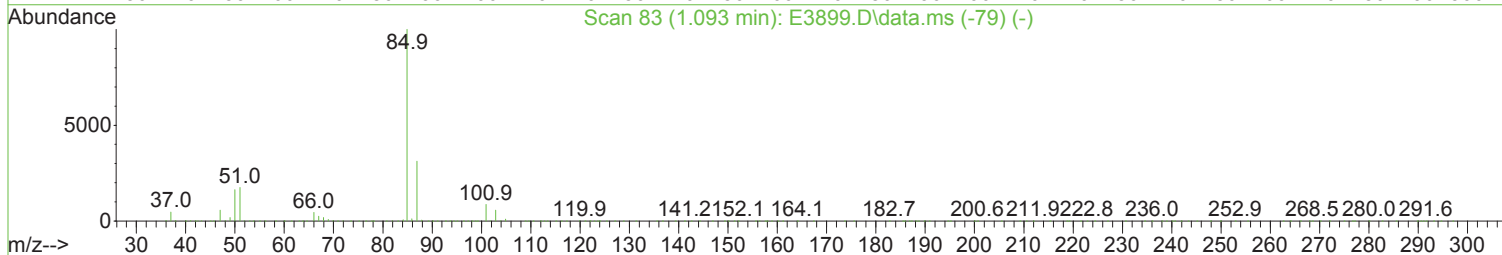
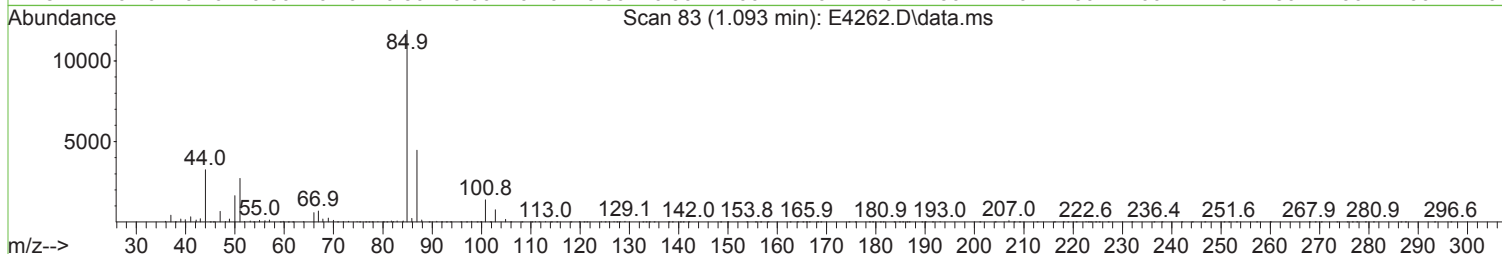
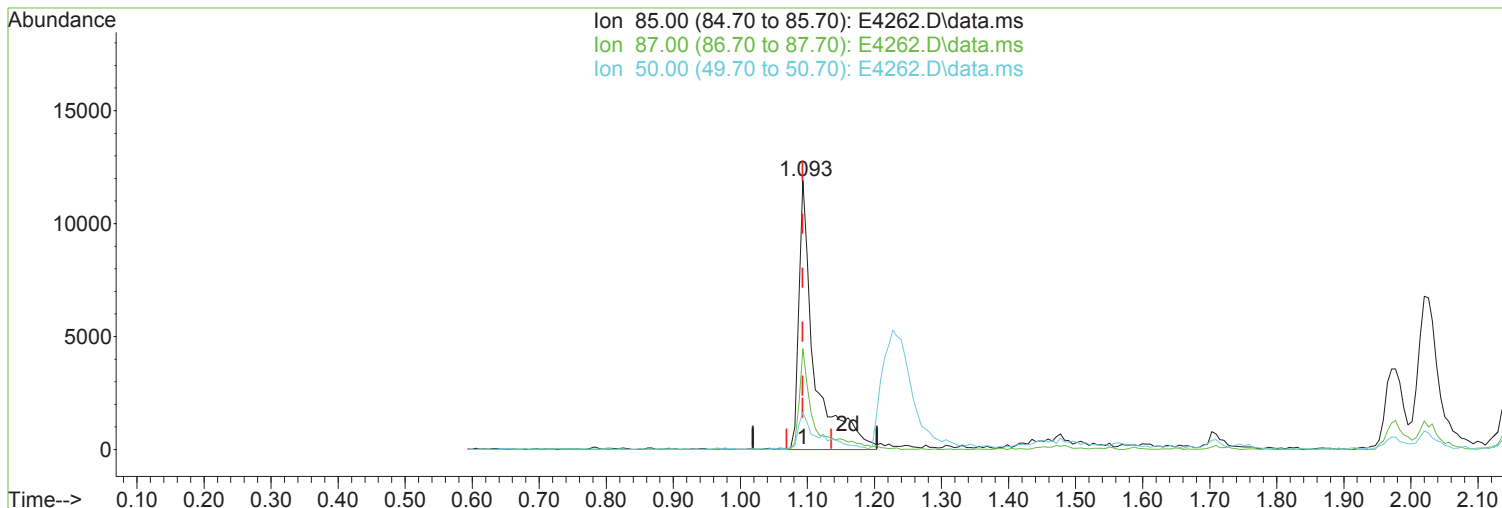
2.453min (+ 0.006) 27.53 ug/L Before

response 34814

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 41.10 | 100.00 | 100.00 | 08/05/23 |
| 40.10 | 23.60 | 19.45 | |
| 39.10 | 65.30 | 63.01 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4262.D
 Acq On : 04 Aug 2023 05:32 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 5.12 ug/L m

response 19301

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 37.44 |
| 50.00 | 16.40 | 13.79 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

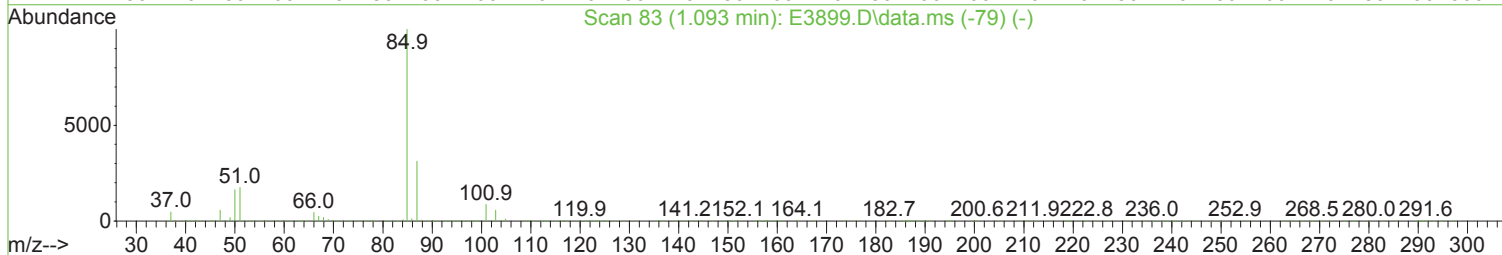
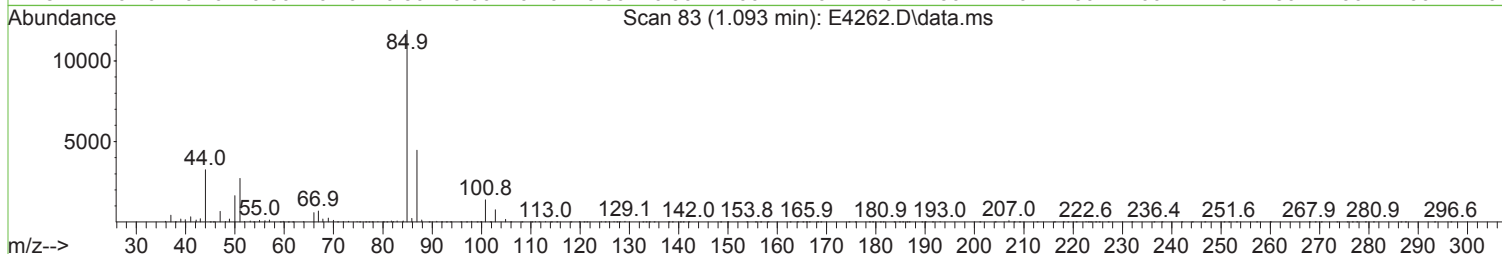
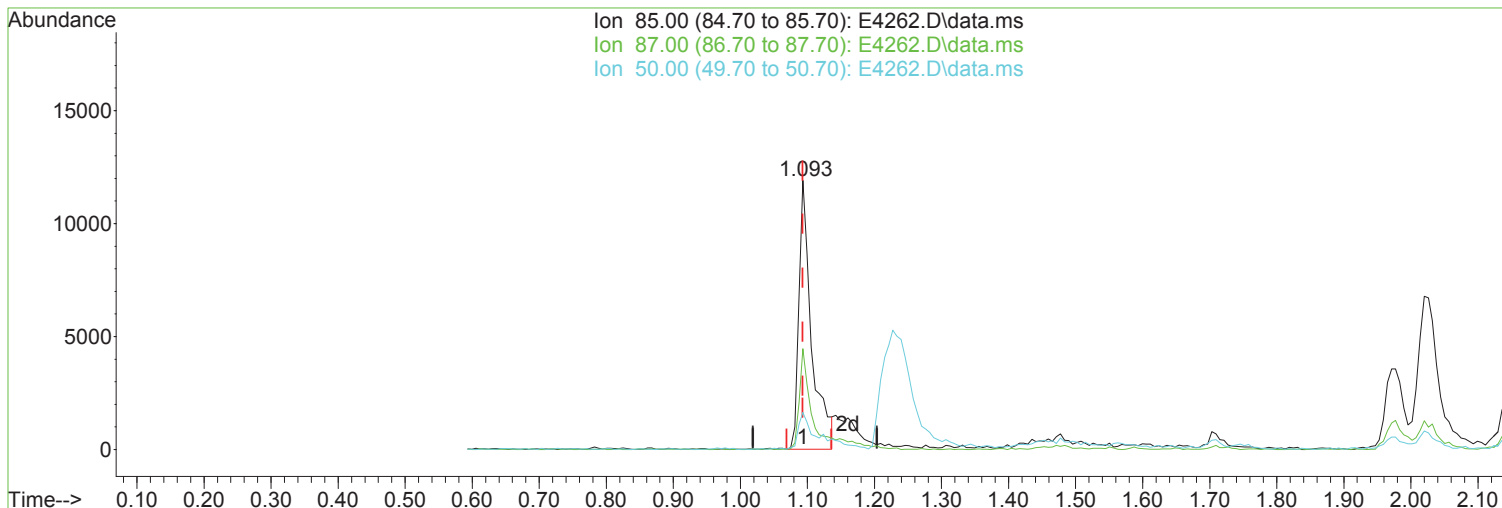
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 4.17 ug/L

Before

response 15740

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 37.44 |
| 50.00 | 16.40 | 13.79 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4262.D
 Acq On : 04 Aug 2023 05:32 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 363574 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 521306 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 467668 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 233220 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.916 | 113 | 36112 | 10.48 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 20.96%# |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 42506 | 10.76 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 21.52%# |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 132743 | 10.59 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 21.18%# |
| 70) SURR2,BFB | 10.707 | 95 | 48973 | 10.25 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 20.50%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 17000 | 5.088 | ug/L | 93 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 19301m | 5.119 | ug/L | |
| 4) Chloromethane | 1.227 | 50 | 16344 | 5.665 | ug/L | 92 |
| 5) Vinyl Chloride | 1.282 | 62 | 20569 | 5.236 | ug/L | 96 |
| 6) Bromomethane | 1.490 | 94 | 14844 | 5.625 | ug/L | 91 |
| 7) Chloroethane | 1.569 | 64 | 13799 | 5.203 | ug/L | 97 |
| 8) Freon 21 | 1.709 | 67 | 27729 | 5.175 | ug/L | 94 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 27103 | 5.368 | ug/L | 96 |
| 10) Diethyl Ether | 1.971 | 59 | 12681 | 5.341 | ug/L | 95 |
| 11) Freon 123a | 1.971 | 67 | 16168 | 5.073 | ug/L | 80 |
| 12) Freon 123 | 2.026 | 83 | 21221 | 5.443 | ug/L | 89 |
| 13) Acrolein | 2.069 | 56 | 15633 | 28.776 | ug/L | 94 |
| 14) 1,1-Dicethene | 2.142 | 96 | 14031 | 5.089 | ug/L | # 86 |
| 15) Freon 113 | 2.148 | 101 | 15804m | 5.259 | ug/L | |
| 16) Acetone | 2.197 | 43 | 10904 | 6.464 | ug/L | 94 |
| 17) 2-Propanol | 2.325 | 45 | 32349 | 116.804 | ug/L | 97 |
| 18) Iodomethane | 2.264 | 142 | 18595 | 4.402 | ug/L | 95 |
| 19) Carbon Disulfide | 2.319 | 76 | 40963 | 5.002 | ug/L | 100 |
| 20) Acetonitrile | 2.447 | 41 | 15567m | 12.310 | ug/L | |
| 21) Allyl Chloride | 2.453 | 76 | 7905 | 5.060 | ug/L | # 72 |
| 22) Methyl Acetate | 2.483 | 43 | 21230 | 5.561 | ug/L | 91 |
| 23) Methylene Chloride | 2.569 | 84 | 15376 | 5.000 | ug/L | # 78 |
| 24) TBA | 2.703 | 59 | 57691 | 118.825 | ug/L | 98 |
| 25) Acrylonitrile | 2.813 | 53 | 38314 | 26.872 | ug/L | 97 |
| 26) Methyl-t-Butyl Ether | 2.855 | 73 | 53327 | 5.446 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 15977 | 5.110 | ug/L | # 81 |
| 28) 1,1-Dicethane | 3.306 | 63 | 26048 | 5.246 | ug/L | 96 |
| 29) Vinyl Acetate | 3.404 | 86 | 1859 | 4.042 | ug/L | # 87 |
| 30) DIPE | 3.428 | 45 | 46444 | 5.174 | ug/L | 94 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 24490 | 5.175 | ug/L | 86 |
| 32) ETBE | 3.922 | 59 | 48782 | 5.236 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 25777 | 4.601 | ug/L | 96 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 17988 | 5.282 | ug/L | 85 |
| 35) 2-Butanone | 4.172 | 43 | 11234 | 5.637 | ug/L | 96 |
| 36) Propionitrile | 4.245 | 54 | 17145 | 28.808 | ug/L | 96 |
| 37) Bromochloromethane | 4.459 | 130 | 11630 | 5.607 | ug/L | # 84 |
| 38) Methacrylonitrile | 4.489 | 67 | 8909 | 5.638 | ug/L | 93 |
| 39) Tetrahydrofuran | 4.593 | 42 | 6697 | 5.548 | ug/L | 87 |
| 40) Chloroform | 4.641 | 83 | 29786 | 5.537 | ug/L | 96 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4262.D
 Acq On : 04 Aug 2023 05:32 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 41) 1,1,1-Trichloroethane | 4.928 | 97 | 27101 | 5.361 | ug/L | 95 |
| 42) TAME | 5.849 | 73 | 48095 | 5.288 | ug/L | 93 |
| 44) Cyclohexane | 5.007 | 41 | 15288 | 5.767 | ug/L | 98 |
| 46) Carbontetrachloride | 5.215 | 117 | 22908 | 5.291 | ug/L | 96 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 20869 | 5.268 | ug/L | 91 |
| 49) Benzene | 5.580 | 78 | 60951 | 5.384 | ug/L | 94 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 23735 | 5.360 | ug/L | 96 |
| 51) Iso-Butyl Alcohol | 5.653 | 43 | 20637 | 110.132 | ug/L | 96 |
| 52) n-Heptane | 6.098 | 43 | 21208 | 5.219 | ug/L | 93 |
| 53) 1-Butanol | 6.659 | 56 | 31351 | 274.858 | ug/L | 96 |
| 54) Trichloroethene | 6.580 | 130 | 18358 | 5.230 | ug/L | 92 |
| 55) Methylcyclohexane | 6.812 | 55 | 20143 | 5.562 | ug/L # | 83 |
| 56) 1,2-Diclpropane | 6.867 | 63 | 16149 | 5.498 | ug/L | 96 |
| 57) Dibromomethane | 7.013 | 93 | 11545 | 5.352 | ug/L # | 80 |
| 58) 1,4-Dioxane | 7.104 | 88 | 6370 | 117.715 | ug/L | 81 |
| 59) Methyl Methacrylate | 7.123 | 69 | 14549 | 5.454 | ug/L | 86 |
| 60) Bromodichloromethane | 7.251 | 83 | 23651 | 5.221 | ug/L | 98 |
| 61) 2-Nitropropane | 7.556 | 41 | 12217 | 10.615 | ug/L | 99 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 9632 | 5.118 | ug/L | 99 |
| 63) cis-1,3-Dichloropropene | 7.806 | 75 | 26365 | 5.215 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 20897 | 5.574 | ug/L | 95 |
| 66) Toluene | 8.177 | 91 | 69218 | 5.370 | ug/L | 94 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 24255 | 5.186 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.616 | 69 | 24761 | 4.698 | ug/L | 86 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 16477 | 5.341 | ug/L | 96 |
| 72) Tetrachloroethene | 8.775 | 164 | 14978 | 5.277 | ug/L | 93 |
| 73) 2-Hexanone | 8.964 | 43 | 16087 | 5.760 | ug/L | 95 |
| 74) 1,3-Dichloropropene | 8.824 | 76 | 27041 | 5.384 | ug/L | 92 |
| 75) Dibromochloromethane | 9.049 | 129 | 19382 | 4.635 | ug/L | 92 |
| 76) N-Butyl Acetate | 9.116 | 43 | 30968 | 5.571 | ug/L | 97 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 17453 | 5.238 | ug/L | 96 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 27245 | 5.283 | ug/L | 96 |
| 79) Chlorobenzene | 9.647 | 112 | 46662 | 5.348 | ug/L | 95 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 24048 | 5.182 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 18592 | 5.340 | ug/L | 97 |
| 82) Ethylbenzene | 9.769 | 106 | 24366 | 5.363 | ug/L # | 84 |
| 83) (m+p)Xylene | 9.884 | 106 | 60806 | 10.713 | ug/L | 93 |
| 84) o-Xylene | 10.244 | 106 | 29323 | 5.260 | ug/L | 88 |
| 85) Styrene | 10.256 | 104 | 49409 | 5.229 | ug/L | 95 |
| 86) Bromoform | 10.409 | 173 | 14346 | 5.076 | ug/L | 97 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 26098 | 5.179 | ug/L | 95 |
| 88) Isopropylbenzene | 10.579 | 105 | 73738 | 5.372 | ug/L | 97 |
| 89) Cyclohexanone | 10.653 | 55 | 82969 | 119.614 | ug/L | 96 |
| 90) trans-1,4-Dichloro-2-B... | 10.903 | 53 | 7020 | 5.194 | ug/L | 85 |
| 92) 1,1,2,2-Tetrachloroethane | 10.848 | 83 | 23419 | 5.658 | ug/L | 96 |
| 93) Bromobenzene | 10.823 | 156 | 21596 | 5.506 | ug/L # | 84 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 8224 | 5.743 | ug/L # | 76 |
| 95) n-Propylbenzene | 10.939 | 91 | 86672 | 5.601 | ug/L | 98 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 52360 | 5.586 | ug/L | 93 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 52987 | 5.521 | ug/L | 90 |
| 98) 4-Chlorotoluene | 11.098 | 91 | 63083 | 5.524 | ug/L | 93 |
| 99) 1,3,5-Trimethylbenzene | 11.098 | 105 | 65162 | 5.460 | ug/L | 97 |
| 100) tert-Butylbenzene | 11.366 | 119 | 57256 | 5.643 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.409 | 105 | 63417 | 5.517 | ug/L | 96 |
| 102) 3,4-Dichlorobenzotrifl... | 11.476 | 214 | 20042 | 5.187 | ug/L | 94 |
| 103) sec-Butylbenzene | 11.549 | 105 | 80029 | 5.516 | ug/L | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4262.D
 Acq On : 04 Aug 2023 05:32 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

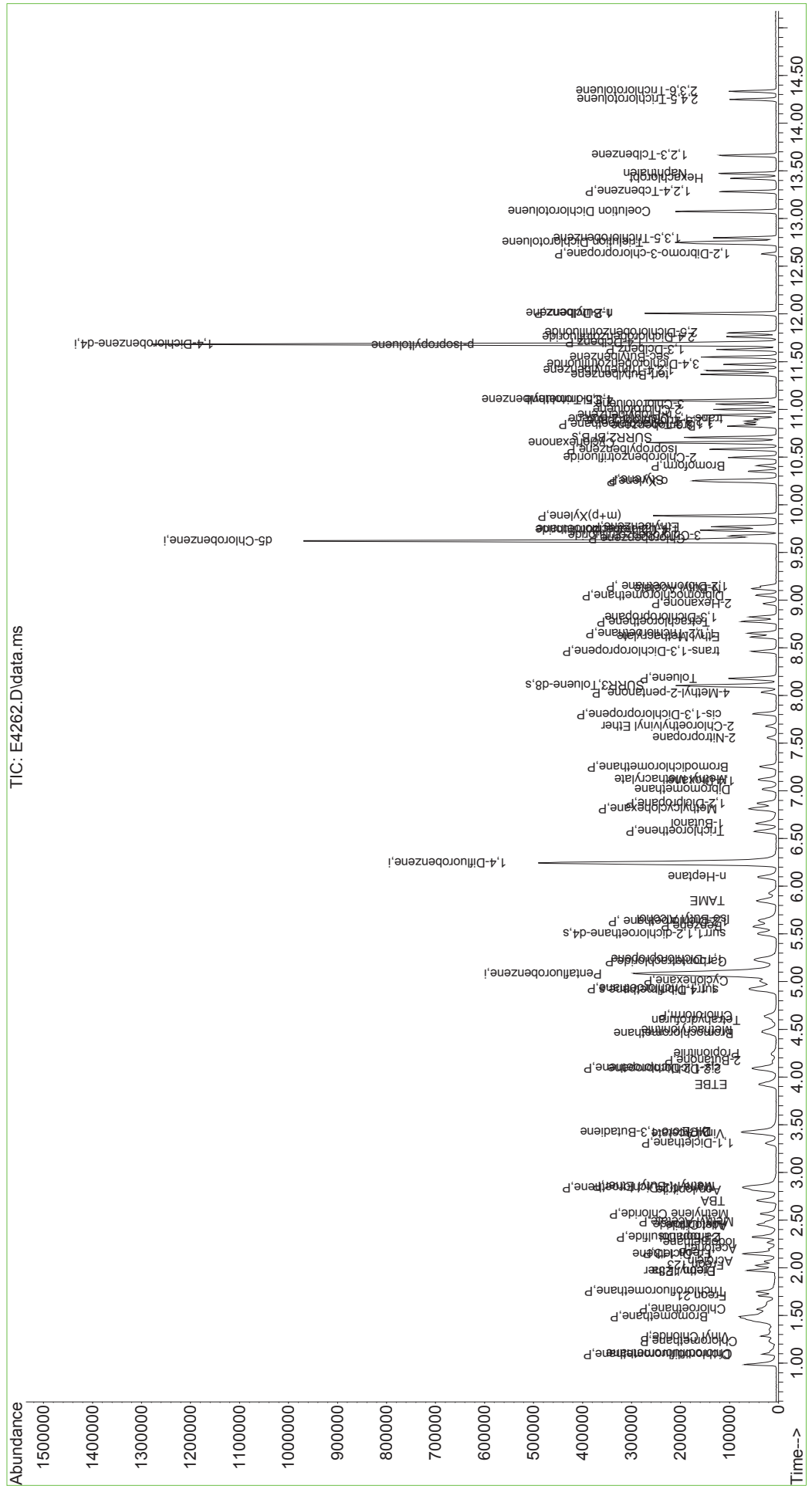
Quant Time: Aug 05 09:35:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 104) p-Isopropyltoluene | 11.671 | 119 | 70404 | 5.526 | ug/L | 97 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 39451 | 5.547 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 39161 | 5.380 | ug/L | 98 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 18473 | 5.339 | ug/L | 97 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 19653 | 5.127 | ug/L | 94 |
| 109) n-Butylbenzene | 12.006 | 91 | 60639 | 5.539 | ug/L | 97 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 38300 | 5.499 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 6682 | 5.846 | ug/L # | 86 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 96194 | 16.170 | ug/L | 96 |
| 113) 1,3,5-Trichlorobenzene | 12.799 | 180 | 27863 | 5.331 | ug/L | 96 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 68582 | 10.907 | ug/L | 97 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 28820 | 5.468 | ug/L | 93 |
| 116) Hexachlorobt | 13.426 | 225 | 13153 | 5.353 | ug/L | 99 |
| 117) Naphthalen | 13.475 | 128 | 72020 | 5.510 | ug/L | 98 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 28011 | 5.485 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 18523 | 5.567 | ug/L | 96 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 17390 | 5.594 | ug/L | 95 |

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

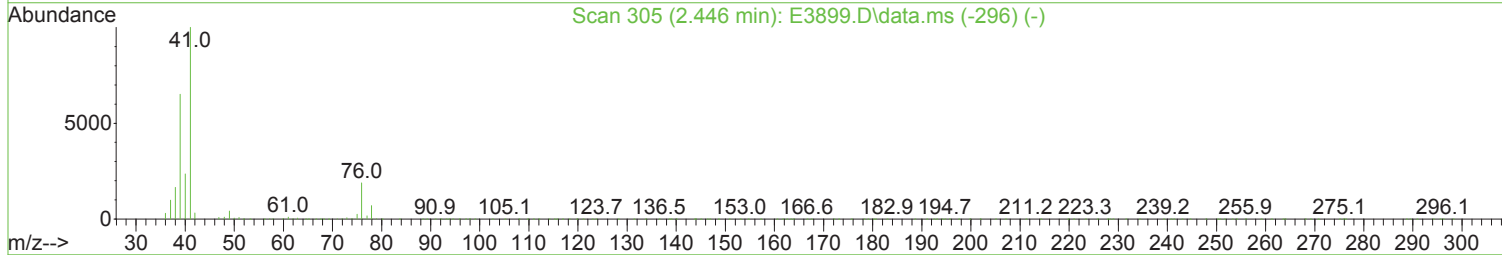
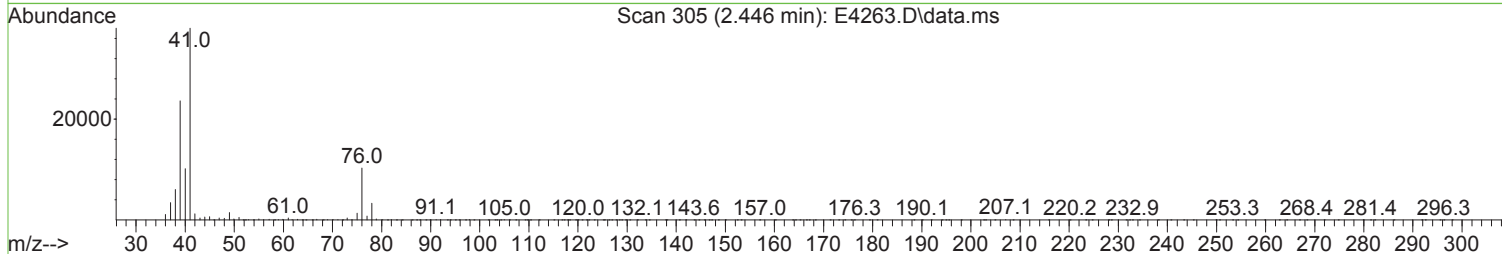
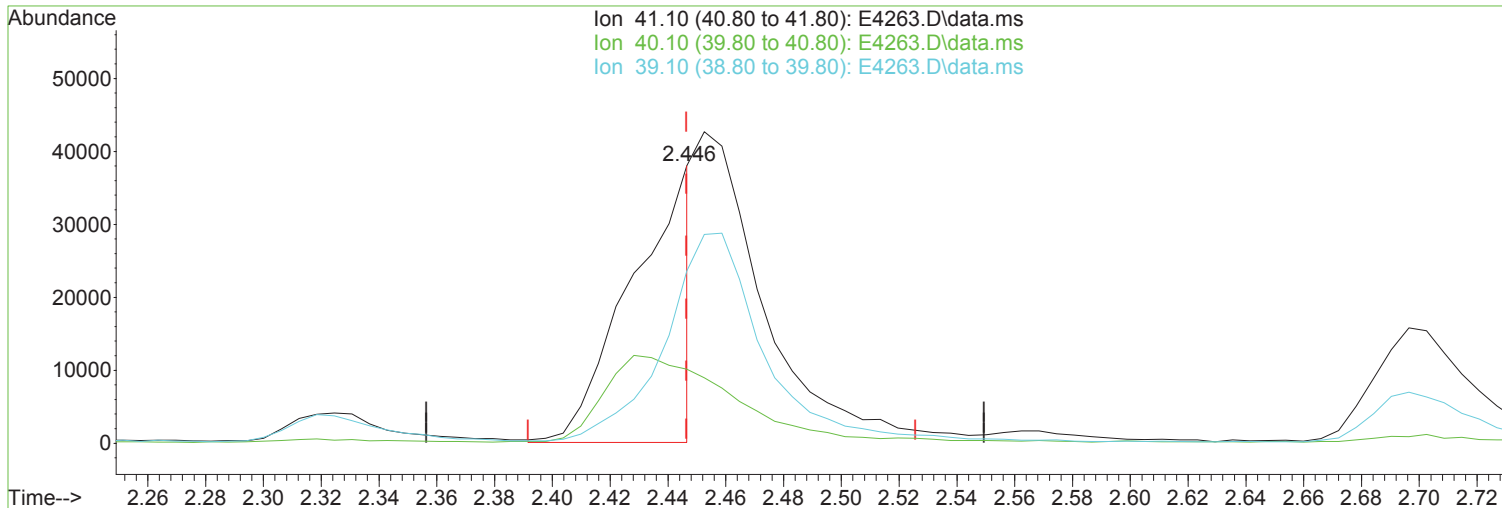
Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4262.D
 Acq On : 04 Aug 2023 05:32 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : WATER ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

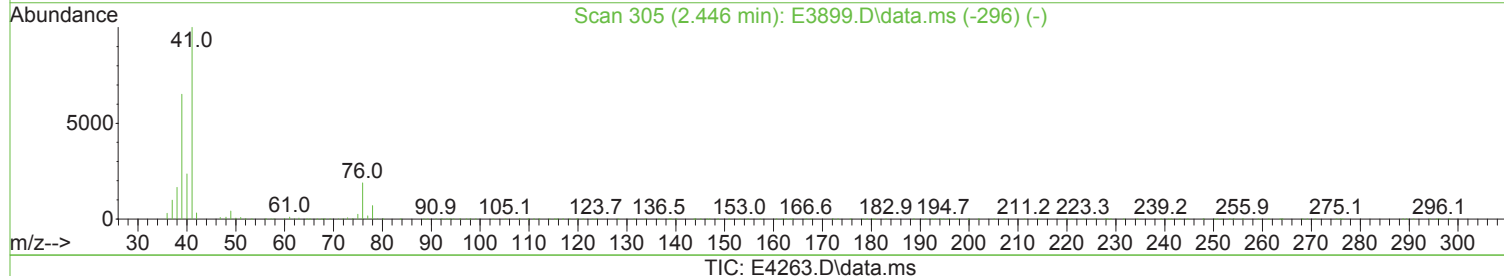
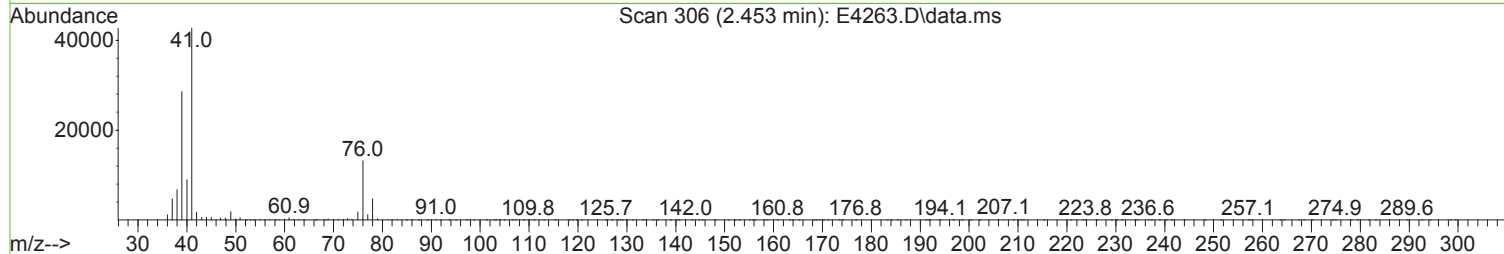
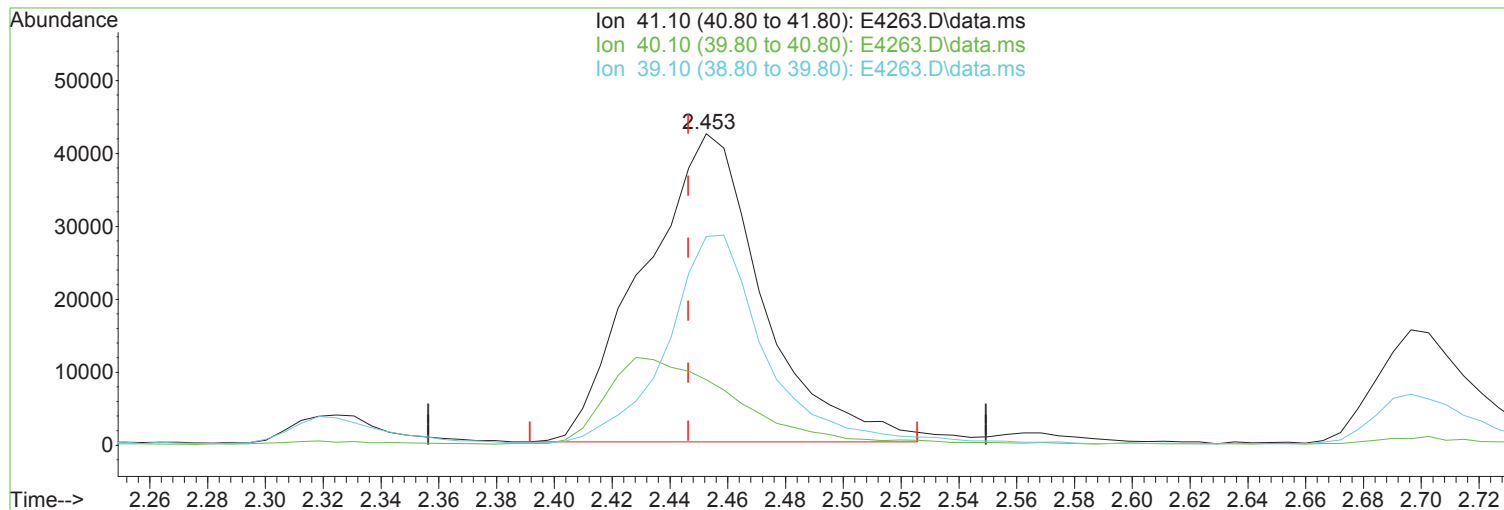
2.446min (+ 0.000) 43.74 ug/L m

| response | 55942 |
|----------|---------------|
| Ion | Exp% Act% |
| 41.10 | 100.00 100.00 |
| 40.10 | 23.60 26.76 |
| 39.10 | 65.30 62.05 |
| 0.00 | 0.00 0.00 |

Manual Integration:
After
Poor integration.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 94.71 ug/L

Before

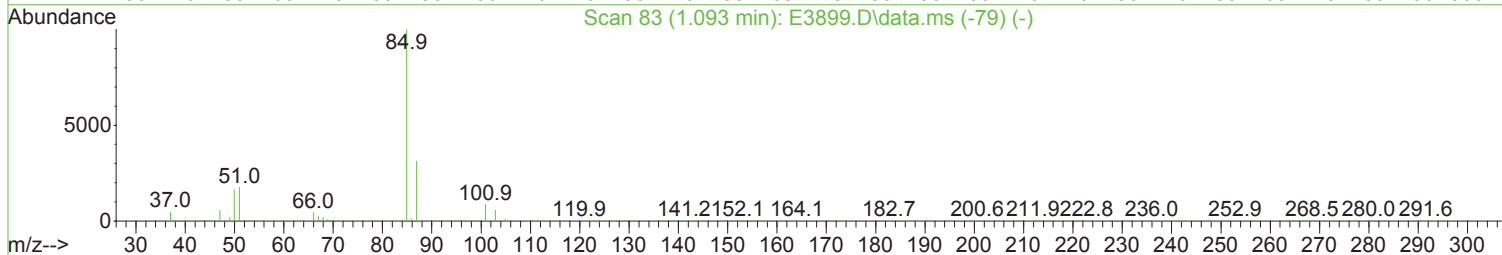
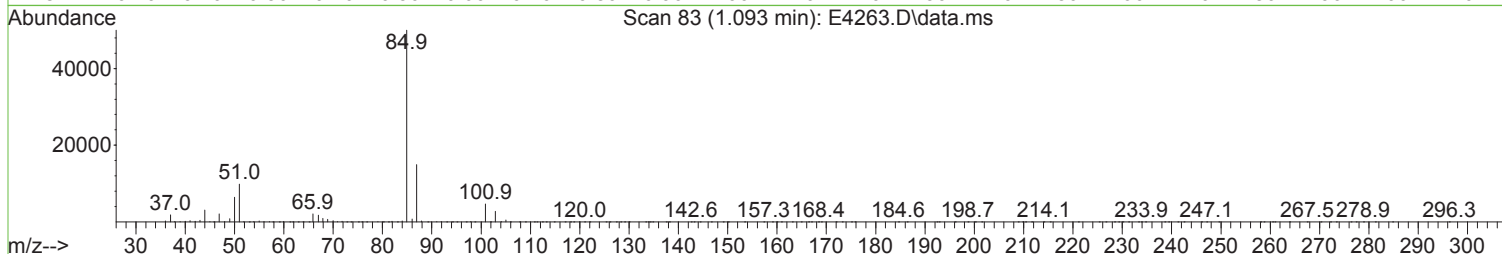
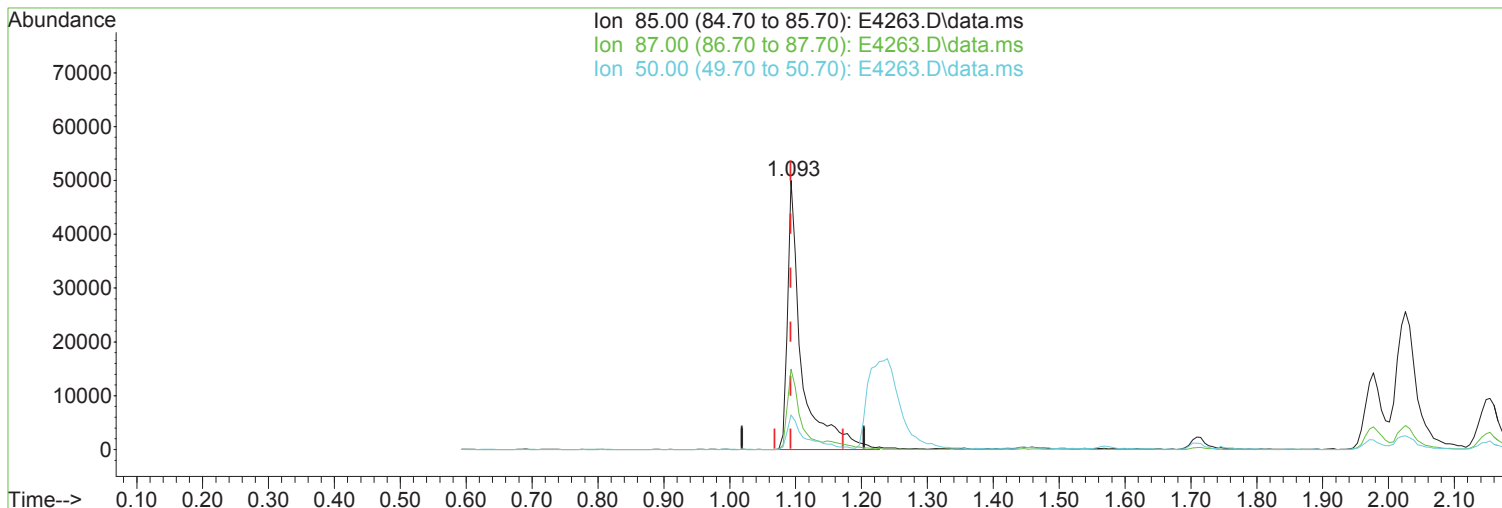
response 121138

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 21.01 |
| 39.10 | 65.30 | 67.02 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 19.39 ug/L m

response 73937

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 29.88 |
| 50.00 | 16.40 | 12.81 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

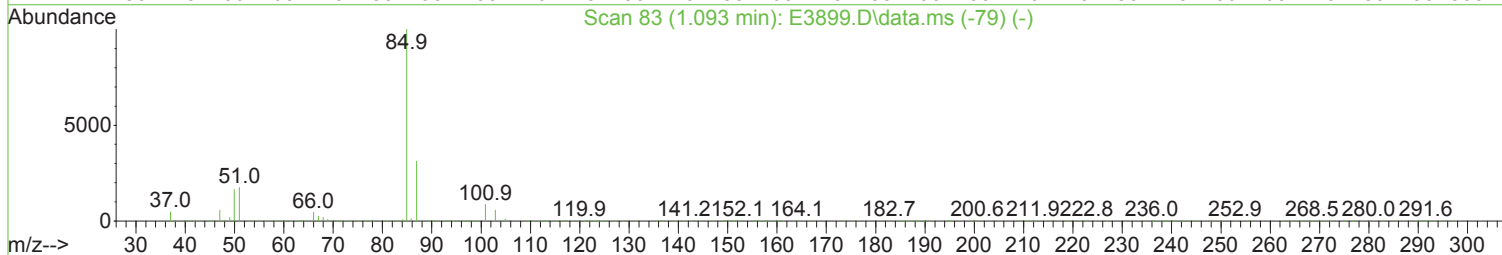
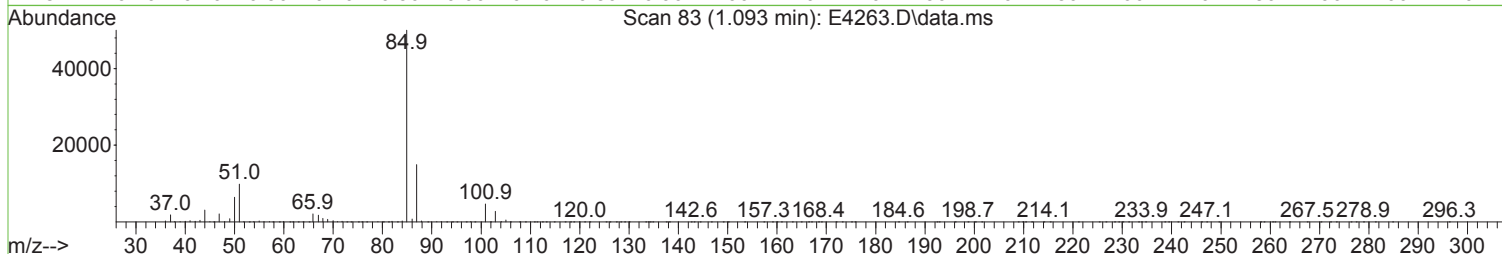
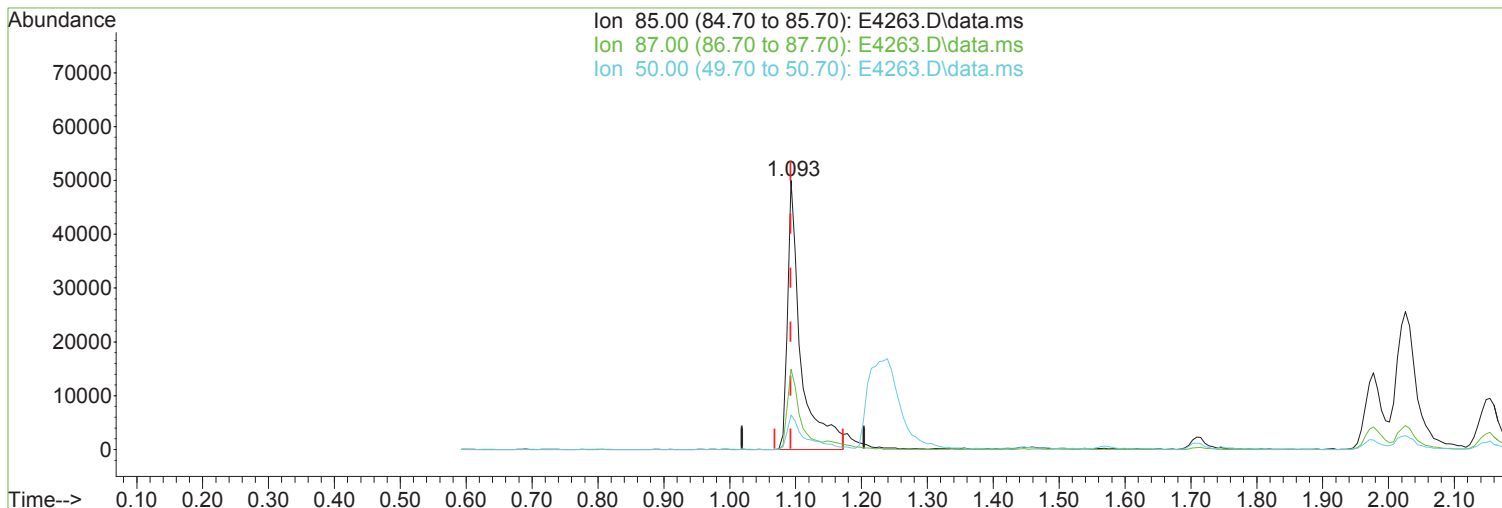
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4263.D\data.ms

(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 18.29 ug/L

Before

response 69754

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 29.88 |
| 50.00 | 16.40 | 12.81 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4263.D
 Acq On : 04 Aug 2023 05:56 pm
 Operator : K.Ruest
 Sample : 20ppb
 Misc : WATER ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|------------|---------|---------------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 367731 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 532777 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 481072 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 252356 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 63990 | 18.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery = | 36.32%# | |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 73305 | 18.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery = | 36.32%# | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 231925 | 18.10 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery = | 36.20%# | |
| 70) SURR2,BFB | 10.707 | 95 | 86382 | 17.69 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery = | 35.38%# | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 63615 | 18.824 | ug/L | 92 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 73937m | 19.388 | ug/L | |
| 4) Chloromethane | 1.239 | 50 | 56082 | 19.220 | ug/L | 99 |
| 5) Vinyl Chloride | 1.282 | 62 | 71366 | 17.962 | ug/L | 95 |
| 6) Bromomethane | 1.495 | 94 | 43859 | 16.433 | ug/L | 100 |
| 7) Chloroethane | 1.569 | 64 | 45226 | 16.861 | ug/L | 99 |
| 8) Freon 21 | 1.709 | 67 | 103852 | 19.162 | ug/L | 97 |
| 9) Trichlorofluoromethane | 1.751 | 101 | 86968 | 17.029 | ug/L | 97 |
| 10) Diethyl Ether | 1.971 | 59 | 47273 | 19.687 | ug/L | 94 |
| 11) Freon 123a | 1.977 | 67 | 58239 | 18.068 | ug/L | 78 |
| 12) Freon 123 | 2.026 | 83 | 77176 | 19.570 | ug/L | 94 |
| 13) Acrolein | 2.068 | 56 | 53721 | 97.768 | ug/L | 95 |
| 14) 1,1-Dicethene | 2.148 | 96 | 46874 | 16.807 | ug/L # | 83 |
| 15) Freon 113 | 2.154 | 101 | 48790 | 16.053 | ug/L | 85 |
| 16) Acetone | 2.196 | 43 | 36444 | 21.361 | ug/L | 94 |
| 17) 2-Propanol | 2.318 | 45 | 118866 | 424.345 | ug/L | 100 |
| 18) Iodomethane | 2.270 | 142 | 82181 | 19.234 | ug/L | 92 |
| 19) Carbon Disulfide | 2.325 | 76 | 145746 | 17.595 | ug/L | 99 |
| 20) Acetonitrile | 2.446 | 41 | 55942m | 43.739 | ug/L | |
| 21) Allyl Chloride | 2.459 | 76 | 26186 | 16.571 | ug/L # | 66 |
| 22) Methyl Acetate | 2.483 | 43 | 77619 | 20.101 | ug/L | 93 |
| 23) Methylene Chloride | 2.568 | 84 | 54093 | 17.391 | ug/L # | 87 |
| 24) TBA | 2.696 | 59 | 208435 | 424.457 | ug/L | 97 |
| 25) Acrylonitrile | 2.812 | 53 | 143170 | 99.279 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 2.855 | 73 | 187507 | 18.932 | ug/L | 94 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 51779 | 16.372 | ug/L # | 80 |
| 28) 1,1-Dicethane | 3.306 | 63 | 90410 | 18.003 | ug/L | 98 |
| 29) Vinyl Acetate | 3.397 | 86 | 9323 | 20.042 | ug/L # | 42 |
| 30) DIPE | 3.428 | 45 | 165660 | 18.246 | ug/L | 97 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 83042 | 17.349 | ug/L | 83 |
| 32) ETBE | 3.922 | 59 | 173530 | 18.414 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.086 | 77 | 84617 | 14.932 | ug/L | 96 |
| 34) cis-1,2-Dichloroethene | 4.099 | 96 | 60693 | 17.621 | ug/L # | 72 |
| 35) 2-Butanone | 4.160 | 43 | 42026 | 20.848 | ug/L | 95 |
| 36) Propionitrile | 4.239 | 54 | 60707 | 100.849 | ug/L | 95 |
| 37) Bromochloromethane | 4.470 | 130 | 41849 | 19.948 | ug/L # | 80 |
| 38) Methacrylonitrile | 4.489 | 67 | 32525 | 20.351 | ug/L # | 77 |
| 39) Tetrahydrofuran | 4.580 | 42 | 23707 | 19.418 | ug/L | 87 |
| 40) Chloroform | 4.641 | 83 | 97651 | 17.946 | ug/L | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4263.D
 Acq On : 04 Aug 2023 05:56 pm
 Operator : K.Ruest
 Sample : 20ppb
 Misc : WATER ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|----------|--------|----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 86680 | 16.951 | ug/L | 96 |
| 42) TAME | 5.848 | 73 | 171471 | 18.639 | ug/L | 94 |
| 44) Cyclohexane | 5.007 | 41 | 54380 | 20.072 | ug/L | 98 |
| 46) Carbontetrachloride | 5.220 | 117 | 75151 | 16.983 | ug/L | 98 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 66799 | 16.499 | ug/L | 93 |
| 49) Benzene | 5.580 | 78 | 200299 | 17.312 | ug/L | 97 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 82414 | 18.210 | ug/L | 94 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 79977 | 417.616 | ug/L | 99 |
| 52) n-Heptane | 6.098 | 43 | 60823 | 14.645 | ug/L | 87 |
| 53) 1-Butanol | 6.647 | 56 | 128499 | 1102.309 | ug/L | 95 |
| 54) Trichloroethene | 6.574 | 130 | 58922 | 16.425 | ug/L | 94 |
| 55) Methylcyclohexane | 6.811 | 55 | 73378 | 19.824 | ug/L # | 82 |
| 56) 1,2-Diclpropane | 6.872 | 63 | 52617 | 17.528 | ug/L | 97 |
| 57) Dibromomethane | 7.013 | 93 | 40396 | 18.324 | ug/L # | 78 |
| 58) 1,4-Dioxane | 7.104 | 88 | 22792 | 412.119 | ug/L # | 78 |
| 59) Methyl Methacrylate | 7.116 | 69 | 52276 | 19.174 | ug/L | 87 |
| 60) Bromodichloromethane | 7.257 | 83 | 81550 | 17.613 | ug/L | 100 |
| 61) 2-Nitropropane | 7.555 | 41 | 46031 | 39.133 | ug/L | 99 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 39710 | 20.645 | ug/L | 89 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 92892 | 17.977 | ug/L | 97 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 78520 | 20.494 | ug/L | 94 |
| 66) Toluene | 8.177 | 91 | 220282 | 16.720 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 88012 | 18.412 | ug/L | 94 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 92504 | 17.175 | ug/L | 89 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 57021 | 18.084 | ug/L | 95 |
| 72) Tetrachloroethene | 8.775 | 164 | 45819 | 15.692 | ug/L | 93 |
| 73) 2-Hexanone | 8.957 | 43 | 60614 | 21.098 | ug/L | 94 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 95551 | 18.494 | ug/L | 90 |
| 75) Dibromochloromethane | 9.049 | 129 | 71564 | 16.639 | ug/L | 99 |
| 76) N-Butyl Acetate | 9.116 | 43 | 117288 | 20.512 | ug/L | 96 |
| 77) 1,2-Dibromoethane | 9.146 | 107 | 64770 | 18.897 | ug/L | 99 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 91983 | 17.341 | ug/L | 96 |
| 79) Chlorobenzene | 9.646 | 112 | 153937 | 17.151 | ug/L | 93 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 84035 | 17.603 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 62707 | 17.508 | ug/L | 98 |
| 82) Ethylbenzene | 9.768 | 106 | 76864 | 16.445 | ug/L # | 90 |
| 83) (m+p)Xylene | 9.884 | 106 | 190503 | 32.627 | ug/L | 94 |
| 84) o-Xylene | 10.244 | 106 | 94743 | 16.521 | ug/L | 93 |
| 85) Styrene | 10.256 | 104 | 166854 | 17.165 | ug/L | 94 |
| 86) Bromoform | 10.408 | 173 | 53773 | 18.496 | ug/L | 97 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 87777 | 16.935 | ug/L | 97 |
| 88) Isopropylbenzene | 10.579 | 105 | 224670 | 15.911 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 295995 | 414.839 | ug/L | 93 |
| 90) trans-1,4-Dichloro-2-B... | 10.896 | 53 | 26375 | 18.971 | ug/L | 94 |
| 92) 1,1,2,2-Tetrachloroethane | 10.853 | 83 | 87402 | 19.515 | ug/L | 98 |
| 93) Bromobenzene | 10.823 | 156 | 73015 | 17.204 | ug/L # | 82 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 29821 | 19.244 | ug/L # | 85 |
| 95) n-Propylbenzene | 10.939 | 91 | 273266 | 16.321 | ug/L | 98 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 170623 | 16.823 | ug/L | 95 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 182578 | 17.582 | ug/L | 92 |
| 98) 4-Chlorotoluene | 11.091 | 91 | 204114 | 16.517 | ug/L | 98 |
| 99) 1,3,5-Trimethylbenzene | 11.091 | 105 | 208734 | 16.164 | ug/L | 96 |
| 100) tert-Butylbenzene | 11.366 | 119 | 172377 | 15.701 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.402 | 105 | 209198 | 16.820 | ug/L | 100 |
| 102) 3,4-Dichlorobenzotrifl... | 11.475 | 214 | 72170 | 17.260 | ug/L | 96 |
| 103) sec-Butylbenzene | 11.548 | 105 | 247459 | 15.763 | ug/L | 98 |

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 Sample : 20ppb
 Misc : WATER ICAL
 ALS Vial : 5 Sample Multiplier: 1

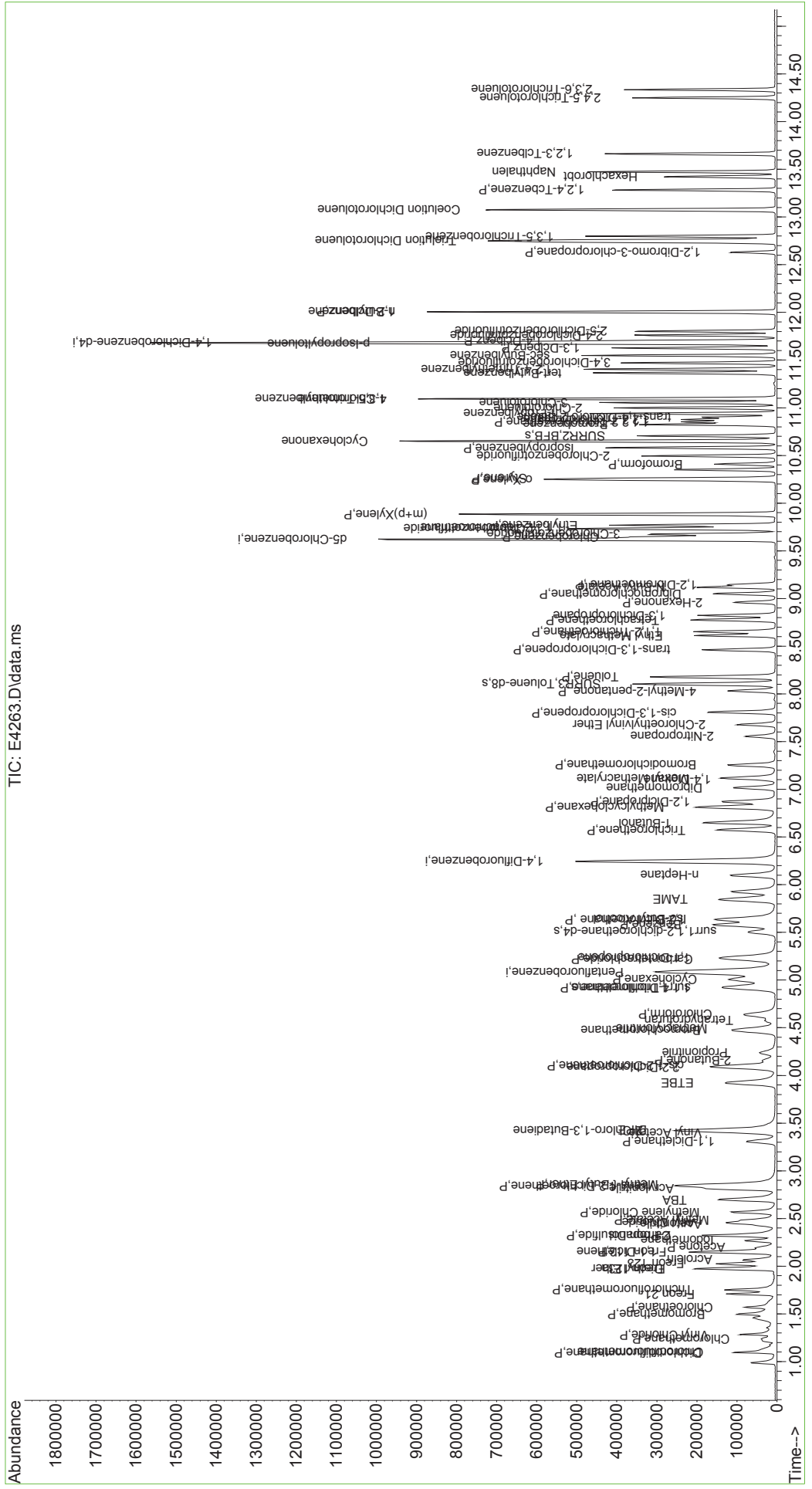
Quant Time: Aug 05 09:35:39 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 104) p-Isopropyltoluene | 11.670 | 119 | 220835 | 16.020 | ug/L | 97 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 128334 | 16.678 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 135387 | 17.191 | ug/L | 97 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 65448 | 17.480 | ug/L | 98 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 74229 | 17.895 | ug/L | 98 |
| 109) n-Butylbenzene | 12.006 | 91 | 190876 | 16.115 | ug/L | 94 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 132942 | 17.640 | ug/L | 96 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 25152 | 20.338 | ug/L # | 86 |
| 112) Trielution Dichlorotol... | 12.749 | 125 | 349992 | 54.373 | ug/L | 93 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 103147 | 18.237 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 251571 | 36.976 | ug/L | 93 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 100873 | 17.687 | ug/L | 99 |
| 116) Hexachlorobt | 13.426 | 225 | 42266 | 15.897 | ug/L | 99 |
| 117) Naphthalen | 13.475 | 128 | 281751 | 19.920 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 101712 | 18.406 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 71327 | 19.811 | ug/L | 99 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 69681 | 20.715 | ug/L | 98 |

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

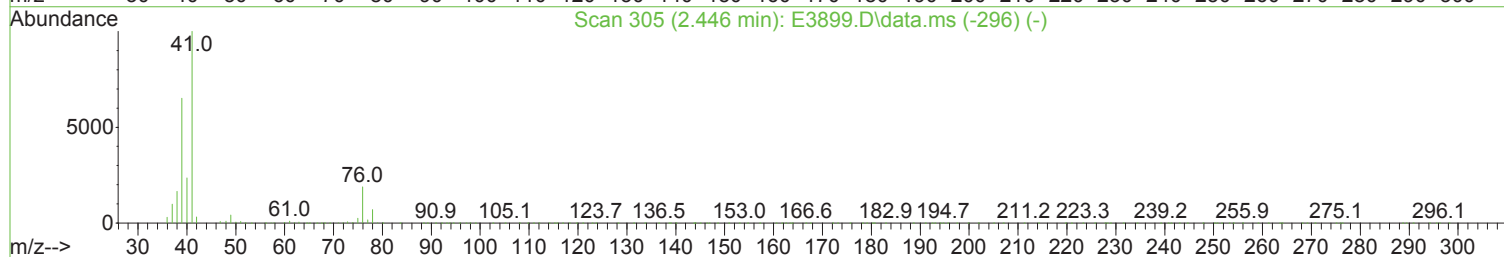
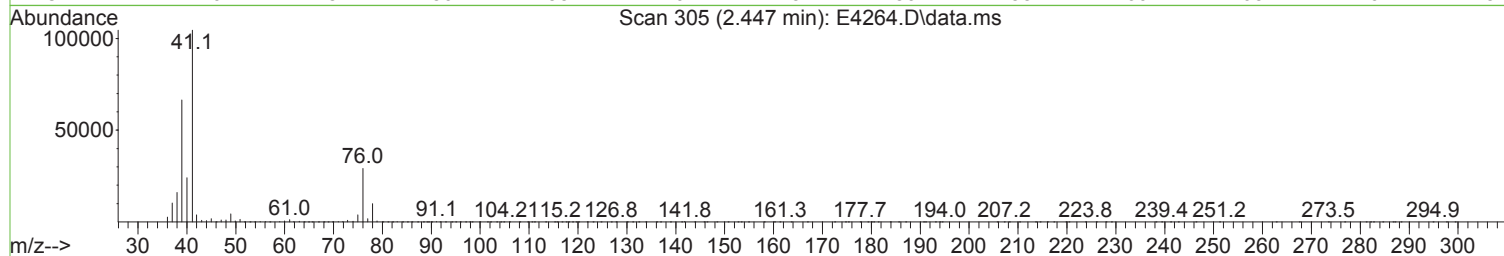
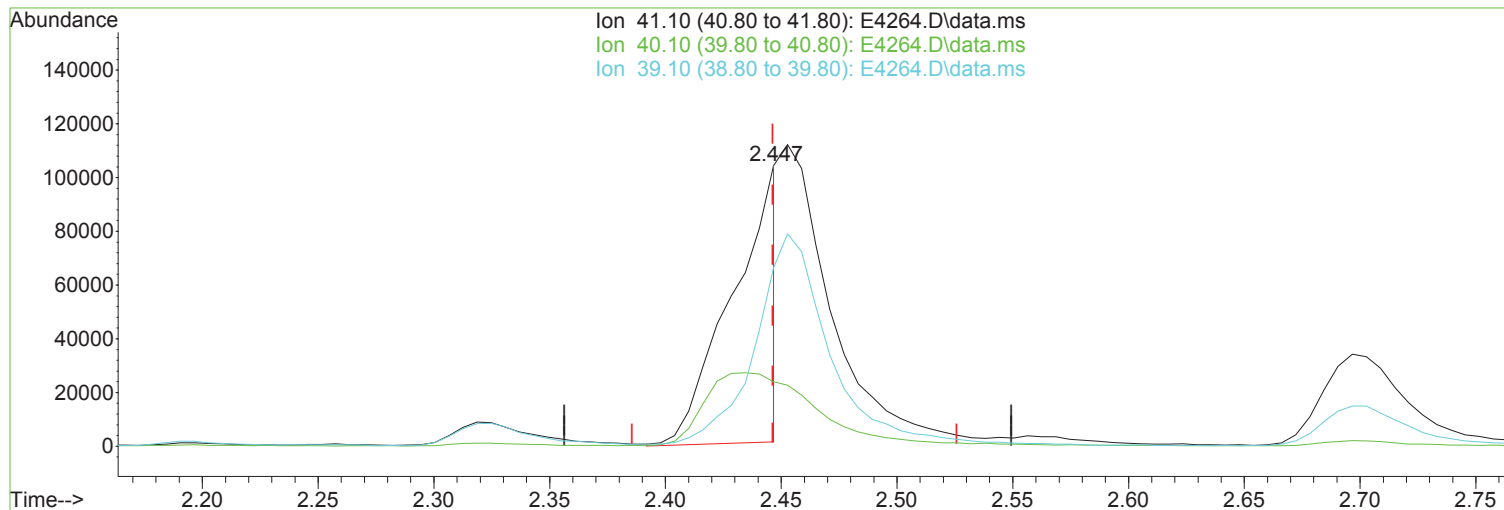
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 Acq On : 04 Aug 2023 05:56 pm
 Operator : K.Ruest
 Sample : 20ppb
 Misc : WATER ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

2.447min (+ 0.000) 108.45 ug/L m

response 143192

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 23.02 |
| 39.10 | 65.30 | 63.56 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

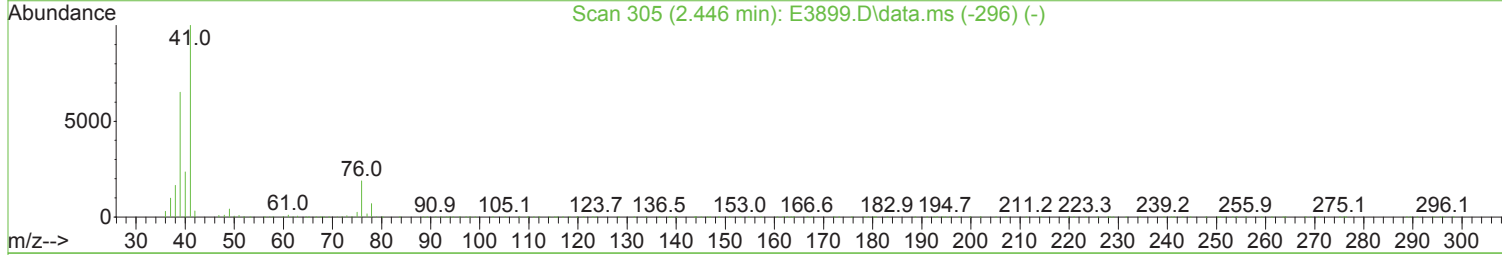
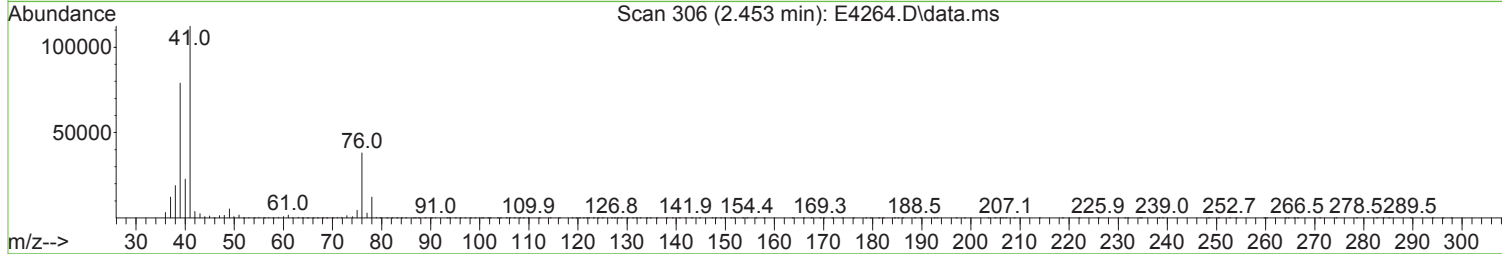
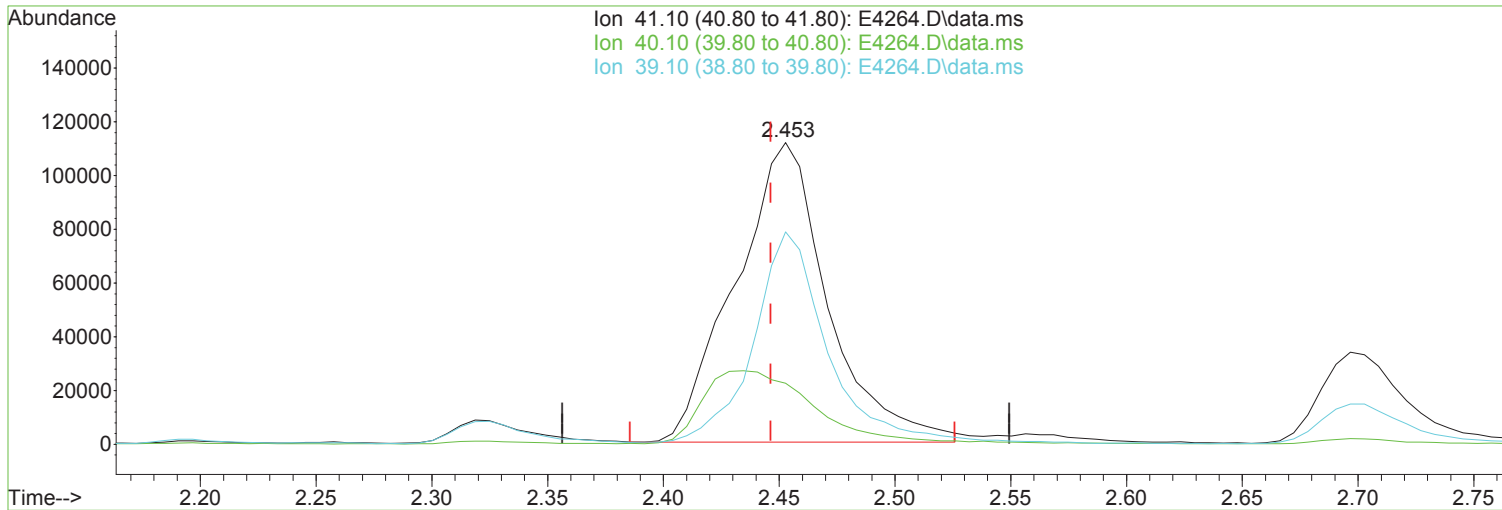
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 234.56 ug/L

Before

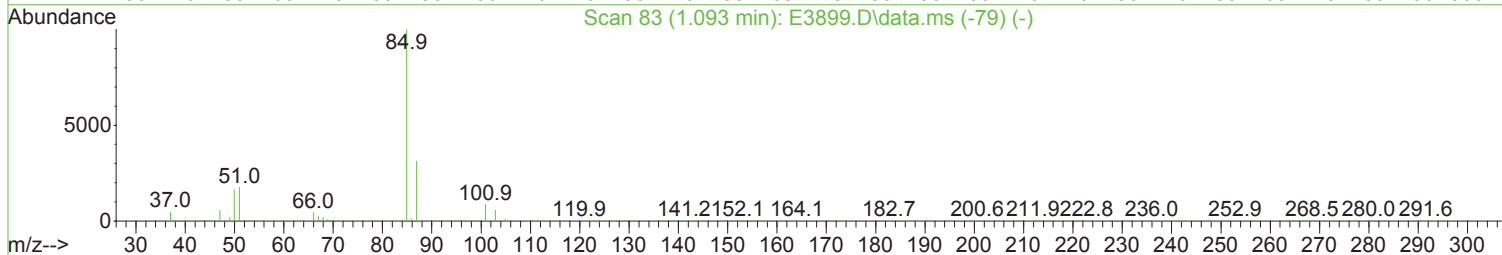
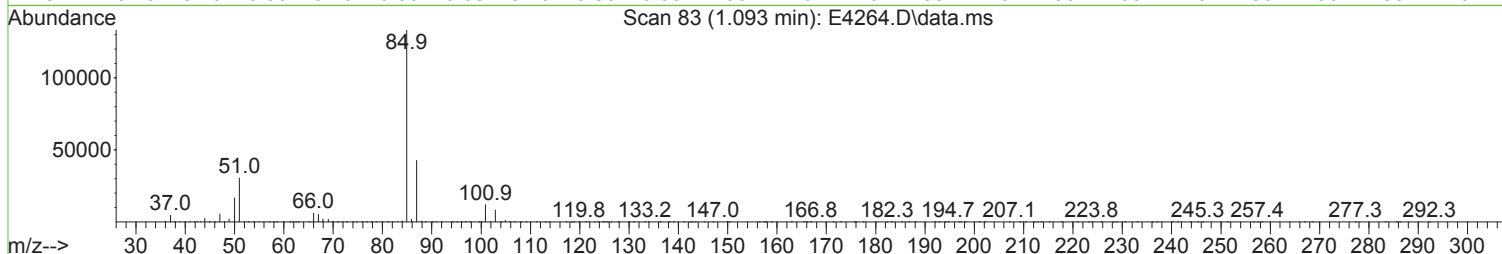
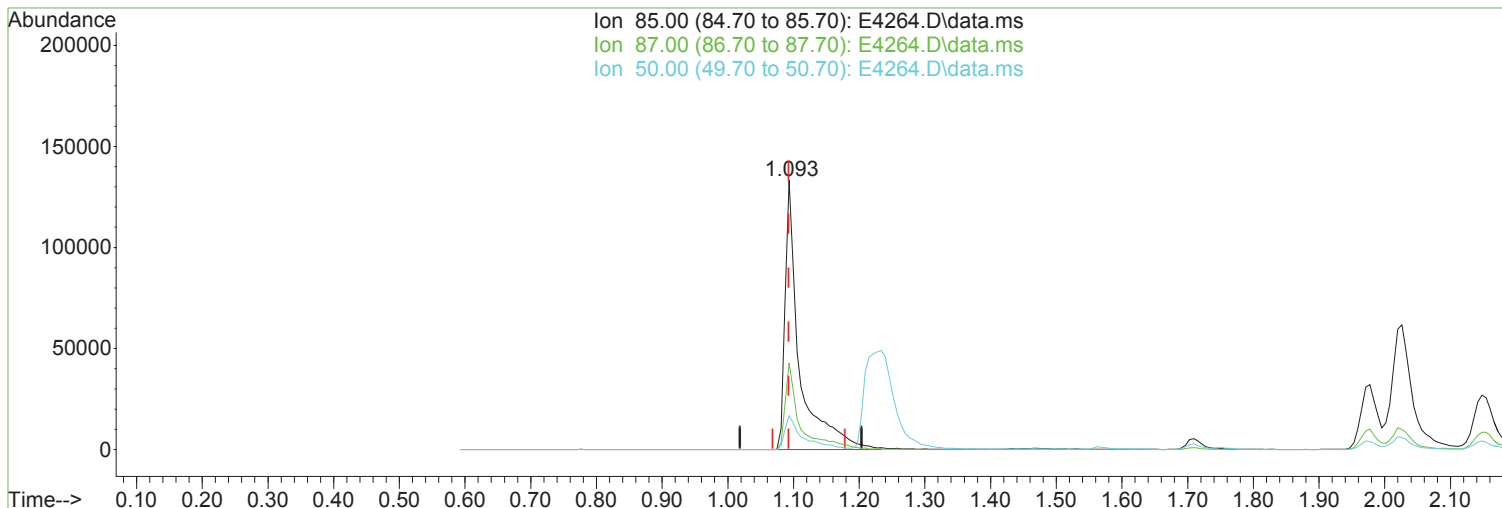
response 309706

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 20.28 |
| 39.10 | 65.30 | 70.37 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4264.D
 Acq On : 04 Aug 2023 06:19 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : WATER ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



TIC: E4264.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 51.89 ug/L m

response 204271

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 32.09 |
| 50.00 | 16.40 | 12.58 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

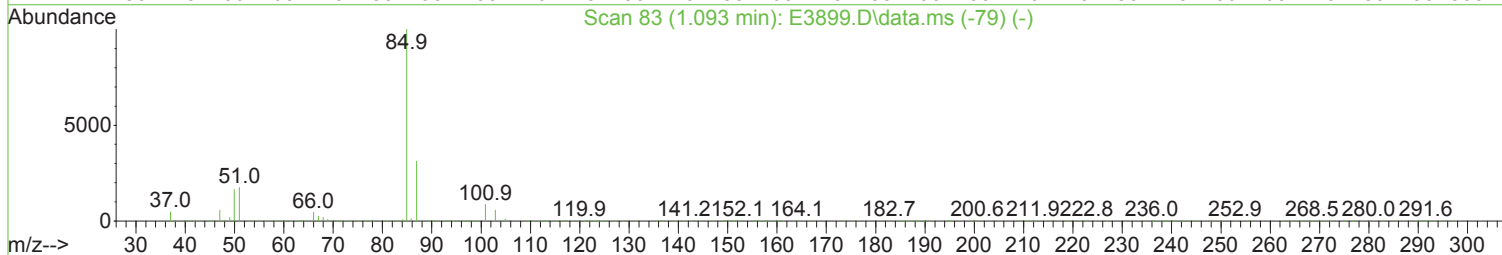
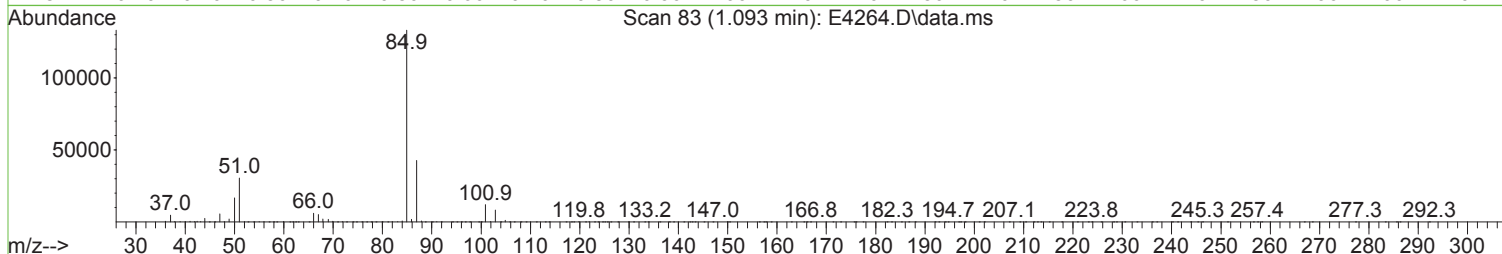
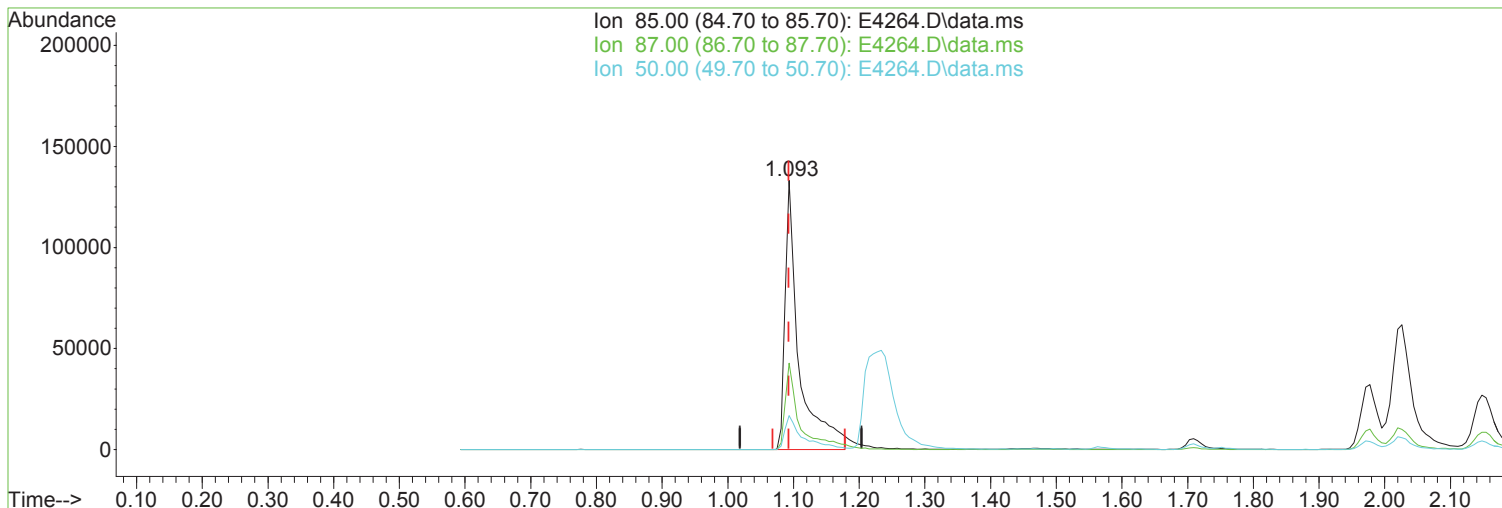
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4264.D\data.ms

(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 49.95 ug/L

Before

response 196643

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 32.09 |
| 50.00 | 16.40 | 12.58 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4264.D
 Acq On : 04 Aug 2023 06:19 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : WATER ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|------------------------------------|--------|----------|----------|----------|-------|-----------|--------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 379622 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 548425 | 50.00 | ug/L | 0.00 | |
| 71) d5-Chlorobenzene | 9.622 | 117 | 514048 | 50.00 | ug/L | 0.00 | |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 294440 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 185160 | 51.05 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 102.10% | |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 212165 | 51.05 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 102.10% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 663895 | 50.32 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 100.64% | |
| 70) SURR2,BFB | 10.707 | 95 | 248054 | 49.35 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 98.70% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 153220 | 43.918 | ug/L | | 93 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 204271m | 51.888 | ug/L | | |
| 4) Chloromethane | 1.233 | 50 | 150451 | 49.946 | ug/L | | 95 |
| 5) Vinyl Chloride | 1.282 | 62 | 191299 | 46.641 | ug/L | | 99 |
| 6) Bromomethane | 1.490 | 94 | 137551 | 49.923 | ug/L | | 97 |
| 7) Chloroethane | 1.569 | 64 | 124588 | 44.993 | ug/L | | 95 |
| 8) Freon 21 | 1.709 | 67 | 249134 | 44.529 | ug/L | | 99 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 244665 | 46.407 | ug/L | | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 123154 | 49.682 | ug/L | | 93 |
| 11) Freon 123a | 1.977 | 67 | 139007 | 41.775 | ug/L | | 75 |
| 12) Freon 123 | 2.026 | 83 | 182915 | 44.929 | ug/L | | 95 |
| 13) Acrolein | 2.063 | 56 | 131833 | 232.410 | ug/L | | 99 |
| 14) 1,1-Dicethene | 2.142 | 96 | 128250 | 44.545 | ug/L | # | 84 |
| 15) Freon 113 | 2.154 | 101 | 142472 | 45.409 | ug/L | | 89 |
| 16) Acetone | 2.197 | 43 | 81084 | 46.038 | ug/L | | 98 |
| 17) 2-Propanol | 2.325 | 45 | 274696 | 949.932 | ug/L | | 100 |
| 18) Iodomethane | 2.264 | 142 | 235189 | 53.319 | ug/L | | 93 |
| 19) Carbon Disulfide | 2.319 | 76 | 413245 | 48.325 | ug/L | | 99 |
| 20) Acetonitrile | 2.447 | 41 | 143192m | 108.449 | ug/L | | |
| 21) Allyl Chloride | 2.453 | 76 | 76820 | 47.091 | ug/L | # | 67 |
| 22) Methyl Acetate | 2.483 | 43 | 186742 | 46.846 | ug/L | | 91 |
| 23) Methylene Chloride | 2.562 | 84 | 142491 | 44.377 | ug/L | # | 87 |
| 24) TBA | 2.697 | 59 | 473375 | 933.786 | ug/L | | 96 |
| 25) Acrylonitrile | 2.812 | 53 | 353804 | 237.654 | ug/L | | 100 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 478749 | 46.824 | ug/L | | 96 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 143177 | 43.854 | ug/L | # | 83 |
| 28) 1,1-Dicethane | 3.306 | 63 | 245854 | 47.423 | ug/L | | 98 |
| 29) Vinyl Acetate | 3.404 | 86 | 23220 | 48.354 | ug/L | # | 53 |
| 30) DIPE | 3.422 | 45 | 443672 | 47.336 | ug/L | | 93 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 238668 | 48.299 | ug/L | | 83 |
| 32) ETBE | 3.922 | 59 | 458124 | 47.090 | ug/L | | 95 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 233368 | 39.892 | ug/L | | 95 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 162718 | 45.763 | ug/L | # | 80 |
| 35) 2-Butanone | 4.160 | 43 | 99997 | 48.051 | ug/L | | 93 |
| 36) Propionitrile | 4.233 | 54 | 143211 | 230.456 | ug/L | | 98 |
| 37) Bromochloromethane | 4.465 | 130 | 110985 | 51.245 | ug/L | # | 82 |
| 38) Methacrylonitrile | 4.477 | 67 | 79985 | 48.480 | ug/L | # | 75 |
| 39) Tetrahydrofuran | 4.568 | 42 | 57565 | 45.674 | ug/L | | 90 |
| 40) Chloroform | 4.635 | 83 | 262202 | 46.677 | ug/L | | 95 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4264.D
 Acq On : 04 Aug 2023 06:19 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : WATER ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 245542 | 46.515 | ug/L | 97 |
| 42) TAME | 5.842 | 73 | 454482 | 47.854 | ug/L | 94 |
| 44) Cyclohexane | 5.007 | 41 | 130594 | 46.828 | ug/L | 97 |
| 46) Carbontetrachloride | 5.221 | 117 | 218494 | 47.966 | ug/L | 98 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 188949 | 45.339 | ug/L | 95 |
| 49) Benzene | 5.580 | 78 | 549847 | 46.167 | ug/L | 94 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 215740 | 46.309 | ug/L | 97 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 186961 | 948.400 | ug/L | 100 |
| 52) n-Heptane | 6.098 | 43 | 184678 | 43.199 | ug/L | 90 |
| 53) 1-Butanol | 6.653 | 56 | 307511 | 2562.669 | ug/L | 93 |
| 54) Trichloroethene | 6.574 | 130 | 167594 | 45.386 | ug/L | 91 |
| 55) Methylcyclohexane | 6.812 | 55 | 175492 | 46.059 | ug/L | 85 |
| 56) 1,2-Diclpropane | 6.867 | 63 | 142418 | 46.089 | ug/L | 100 |
| 57) Dibromomethane | 7.013 | 93 | 106600 | 46.975 | ug/L | # 79 |
| 58) 1,4-Dioxane | 7.098 | 88 | 53882 | 946.481 | ug/L | 79 |
| 59) Methyl Methacrylate | 7.117 | 69 | 130424 | 46.471 | ug/L | # 85 |
| 60) Bromodichloromethane | 7.251 | 83 | 218295 | 45.802 | ug/L | 97 |
| 61) 2-Nitropropane | 7.555 | 41 | 114292 | 94.392 | ug/L | 95 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 96650 | 48.814 | ug/L | 89 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 246441 | 46.332 | ug/L | 95 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 186774 | 47.358 | ug/L | 91 |
| 66) Toluene | 8.177 | 91 | 625610 | 46.131 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 236017 | 47.966 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 236815 | 42.713 | ug/L | 89 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 150910 | 46.495 | ug/L | 96 |
| 72) Tetrachloroethene | 8.775 | 164 | 134289 | 43.040 | ug/L | 93 |
| 73) 2-Hexanone | 8.958 | 43 | 141178 | 45.989 | ug/L | 93 |
| 74) 1,3-Dichloropropene | 8.824 | 76 | 249753 | 45.238 | ug/L | 88 |
| 75) Dibromochloromethane | 9.049 | 129 | 191277 | 41.619 | ug/L | 100 |
| 76) N-Butyl Acetate | 9.116 | 43 | 286419 | 46.878 | ug/L | 95 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 167722 | 45.794 | ug/L | 99 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 255340 | 45.048 | ug/L | 96 |
| 79) Chlorobenzene | 9.647 | 112 | 428857 | 44.715 | ug/L | 93 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 227523 | 44.601 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 172363 | 45.038 | ug/L | 98 |
| 82) Ethylbenzene | 9.768 | 106 | 222312 | 44.513 | ug/L | # 86 |
| 83) (m+p)Xylene | 9.884 | 106 | 553140 | 88.659 | ug/L | 91 |
| 84) o-Xylene | 10.244 | 106 | 269376 | 43.959 | ug/L | 95 |
| 85) Styrene | 10.256 | 104 | 471614 | 45.405 | ug/L | 95 |
| 86) Bromoform | 10.409 | 173 | 147844 | 47.591 | ug/L | 100 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 252747 | 45.635 | ug/L | 93 |
| 88) Isopropylbenzene | 10.579 | 105 | 666168 | 44.152 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 693490 | 909.582 | ug/L | 94 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 68128 | 45.859 | ug/L | 81 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 223559 | 42.781 | ug/L | 97 |
| 93) Bromobenzene | 10.823 | 156 | 207936 | 41.992 | ug/L | # 79 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 75353 | 41.676 | ug/L | # 81 |
| 95) n-Propylbenzene | 10.939 | 91 | 820343 | 41.993 | ug/L | 96 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 490319 | 41.435 | ug/L | 94 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 508337 | 41.956 | ug/L | 93 |
| 98) 4-Chlorotoluene | 11.098 | 91 | 594586 | 41.238 | ug/L | 93 |
| 99) 1,3,5-Trimethylbenzene | 11.091 | 105 | 624971 | 41.481 | ug/L | 96 |
| 100) tert-Butylbenzene | 11.366 | 119 | 524426 | 40.940 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 606945 | 41.825 | ug/L | 97 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 208766 | 42.792 | ug/L | 96 |
| 103) sec-Butylbenzene | 11.549 | 105 | 747482 | 40.808 | ug/L | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4264.D
 Acq On : 04 Aug 2023 06:19 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : WATER ICAL
 ALS Vial : 6 Sample Multiplier: 1

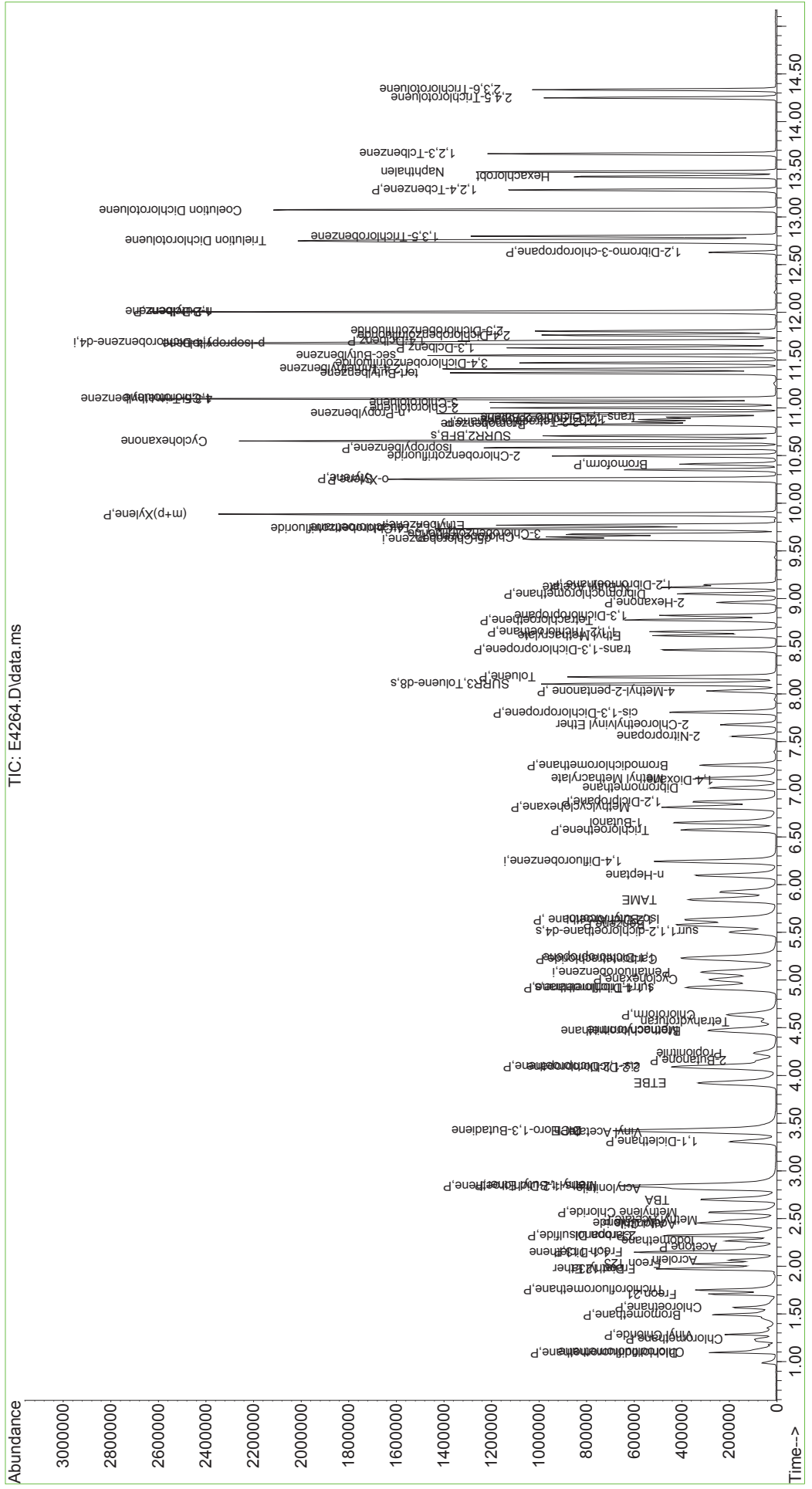
Quant Time: Aug 05 09:35:43 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 104) p-Isopropyltoluene | 11.671 | 119 | 676592 | 42.068 | ug/L | 95 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 370202 | 41.233 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 382927 | 41.672 | ug/L | 96 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 190531 | 43.615 | ug/L | 98 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 209840 | 43.359 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 597960 | 43.267 | ug/L | 97 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 372373 | 42.347 | ug/L | 96 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 64504 | 44.703 | ug/L # | 84 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 983736 | 130.985 | ug/L | 94 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 289305 | 43.841 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.073 | 125 | 709600 | 89.390 | ug/L | 99 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 289967 | 43.575 | ug/L | 98 |
| 116) Hexachlorobt | 13.426 | 225 | 128118 | 41.300 | ug/L | 99 |
| 117) Naphthalen | 13.475 | 128 | 751439 | 45.533 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 287533 | 44.596 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 193979 | 46.177 | ug/L | 99 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 190130 | 48.444 | ug/L | 98 |

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

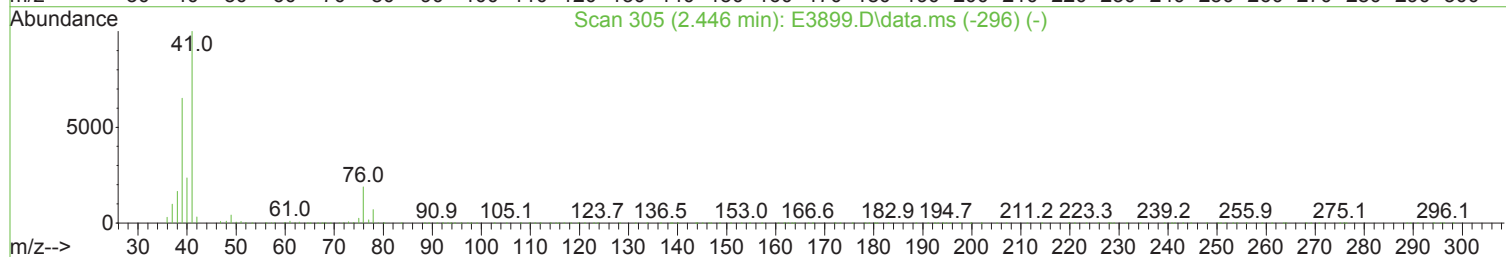
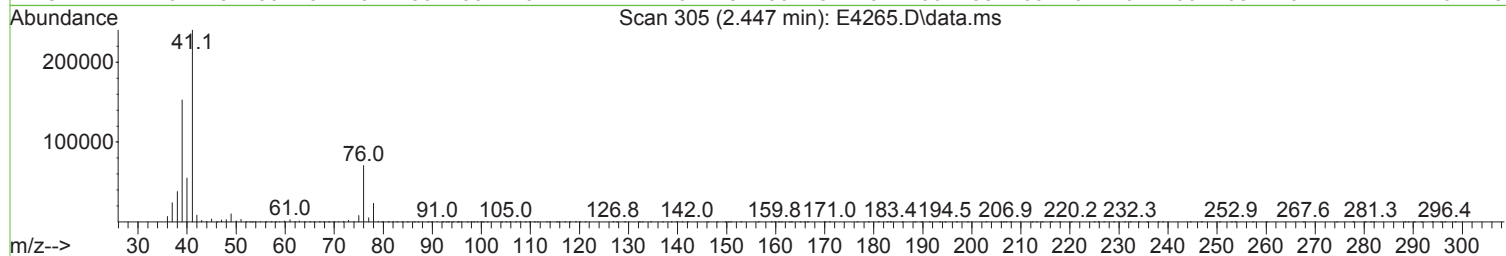
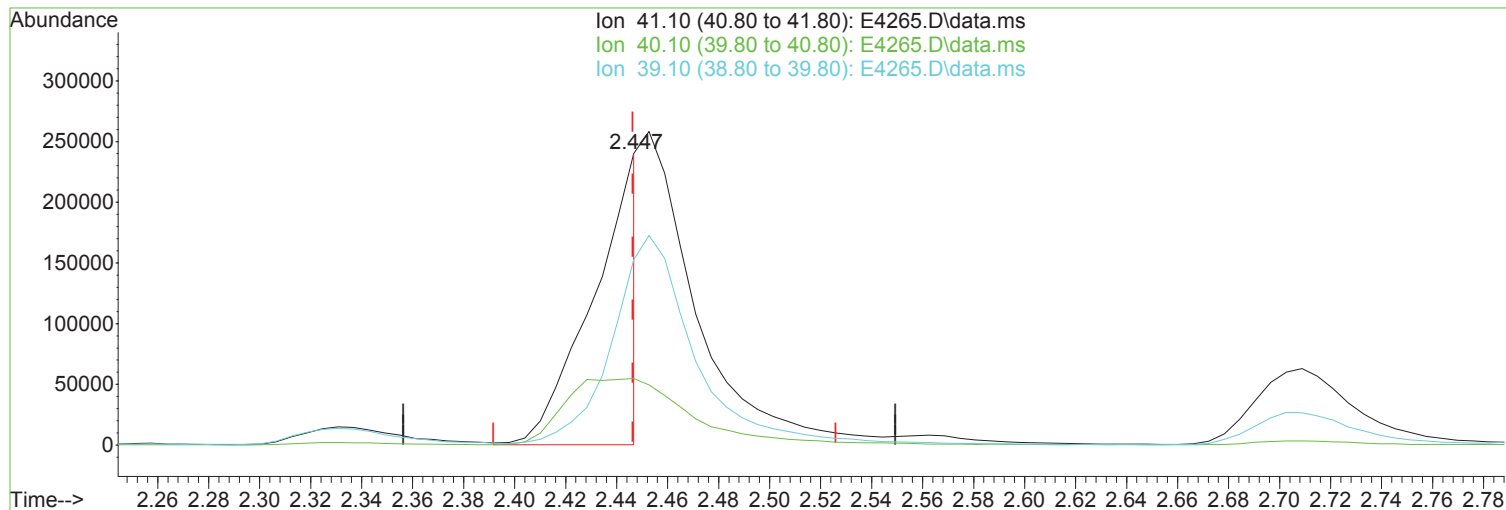
Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.447min (+ 0.000) 225.87 ug/L m

After

response 302938

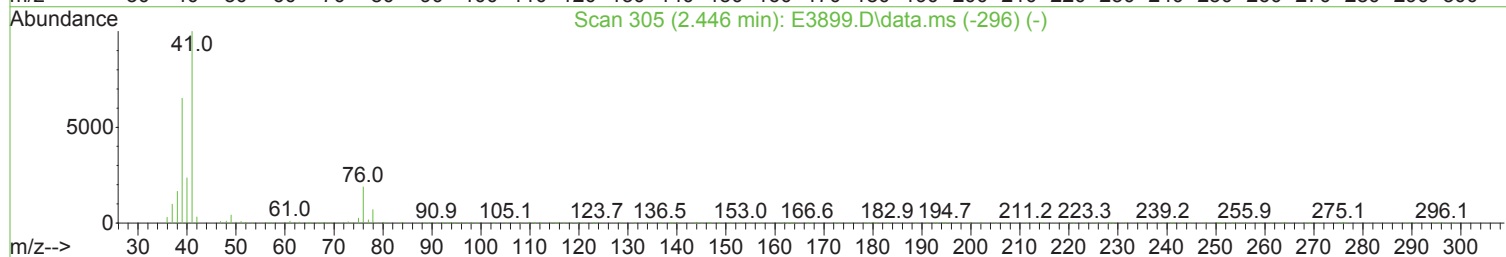
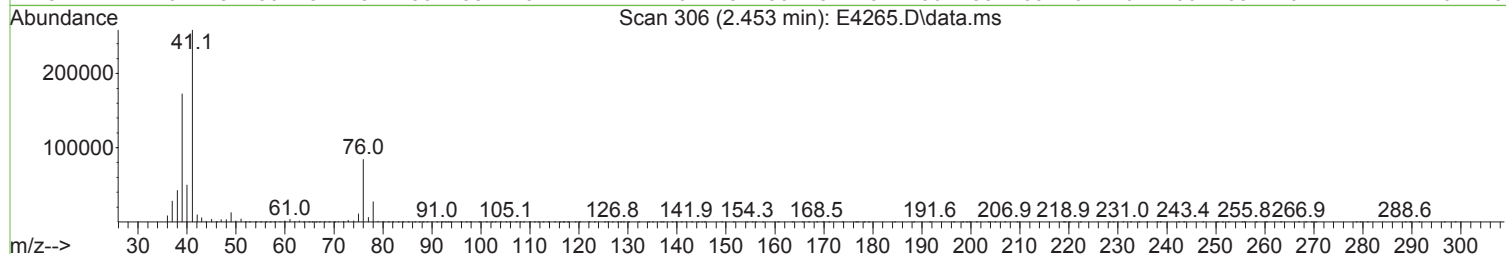
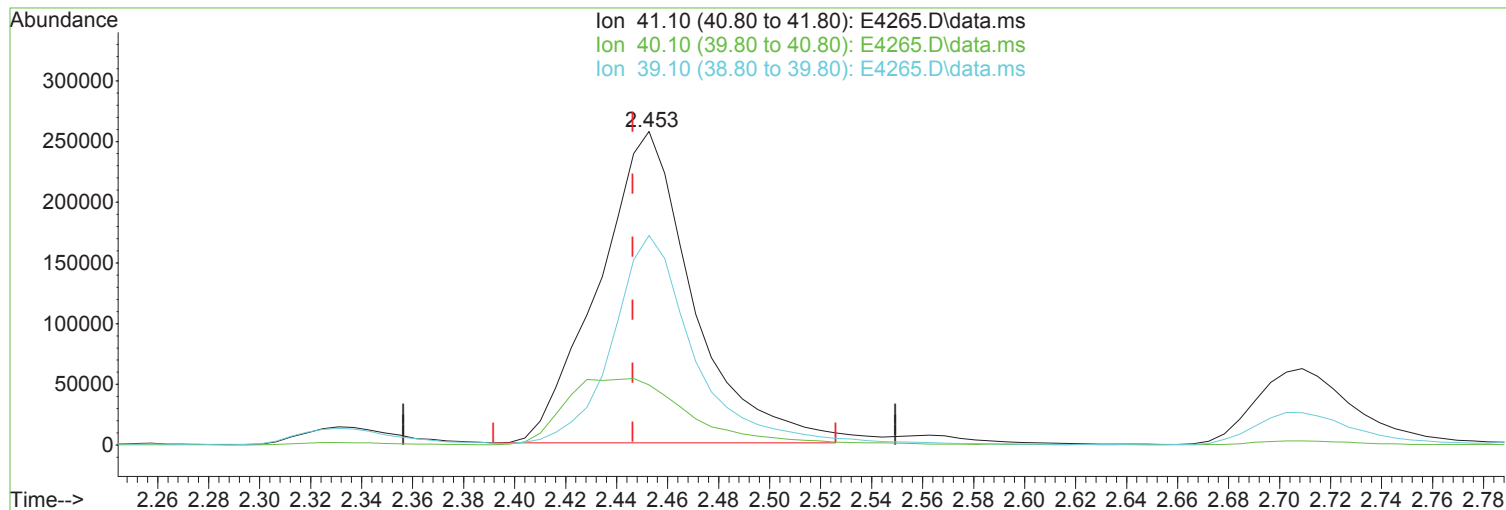
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 22.82 |
| 39.10 | 65.30 | 63.55 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 494.71 ug/L

Before

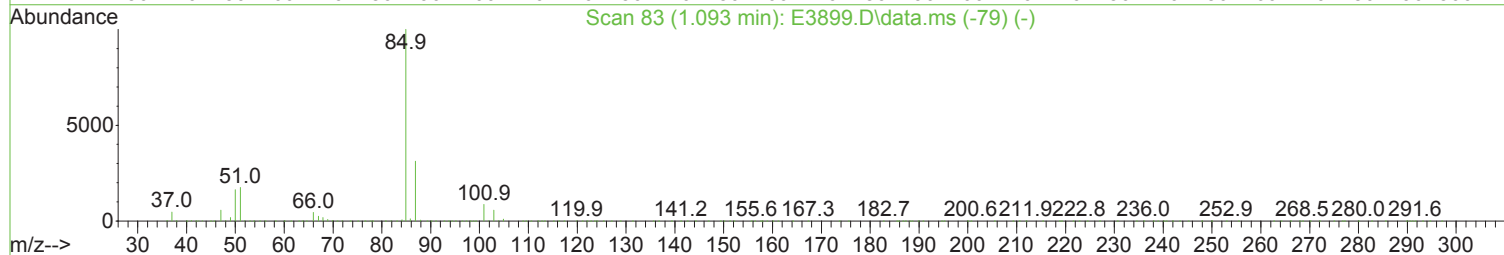
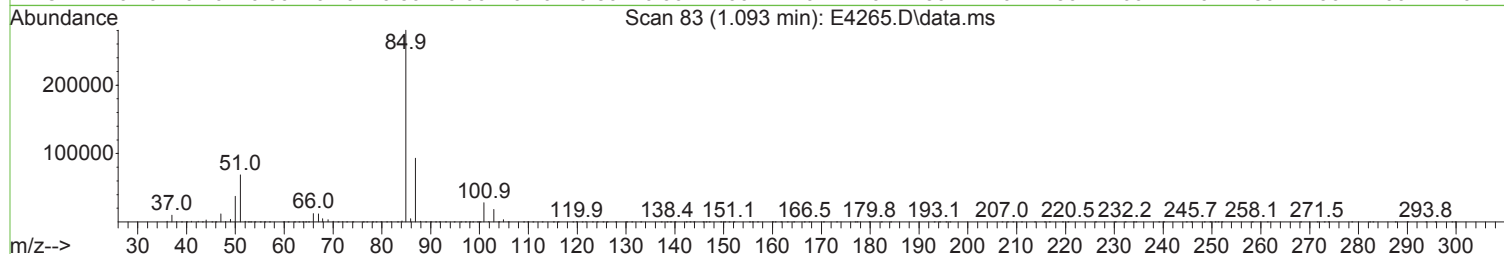
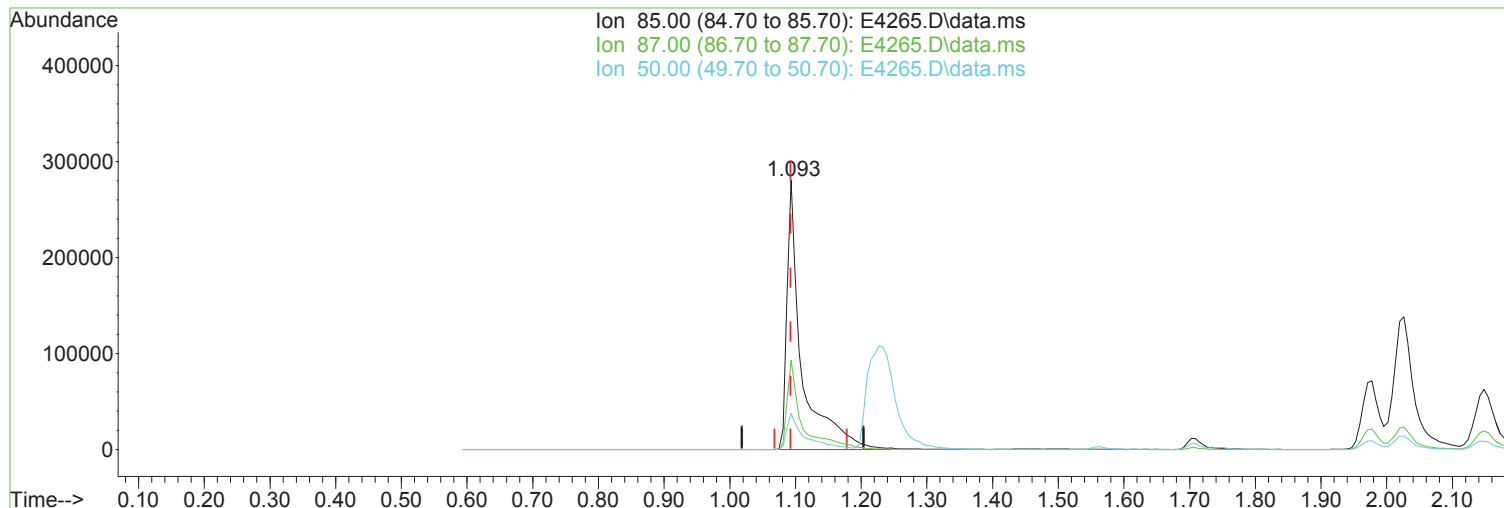
response 663515

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 19.22 |
| 39.10 | 65.30 | 66.84 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4265.D
 Acq On : 04 Aug 2023 06:42 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : WATER ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 110.96 ug/L m

response 443732

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 33.20 |
| 50.00 | 16.40 | 13.41 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

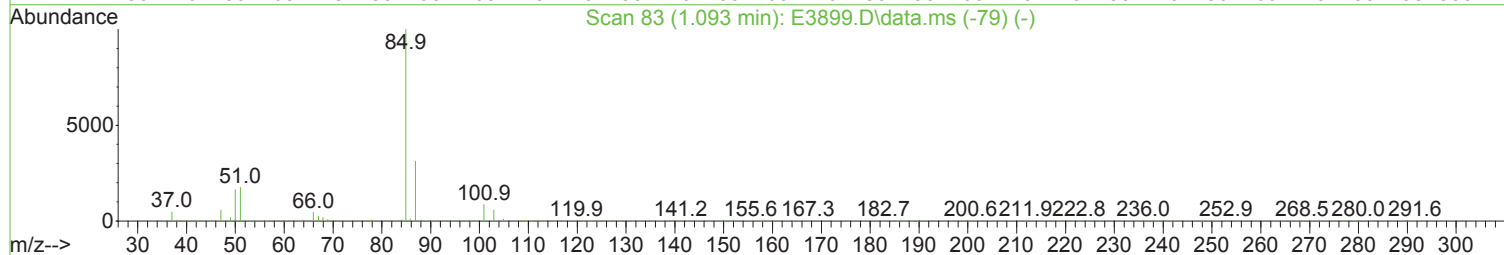
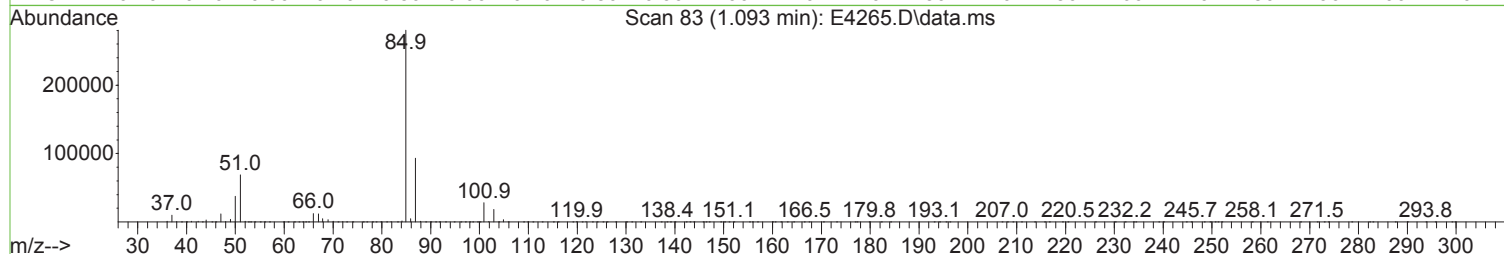
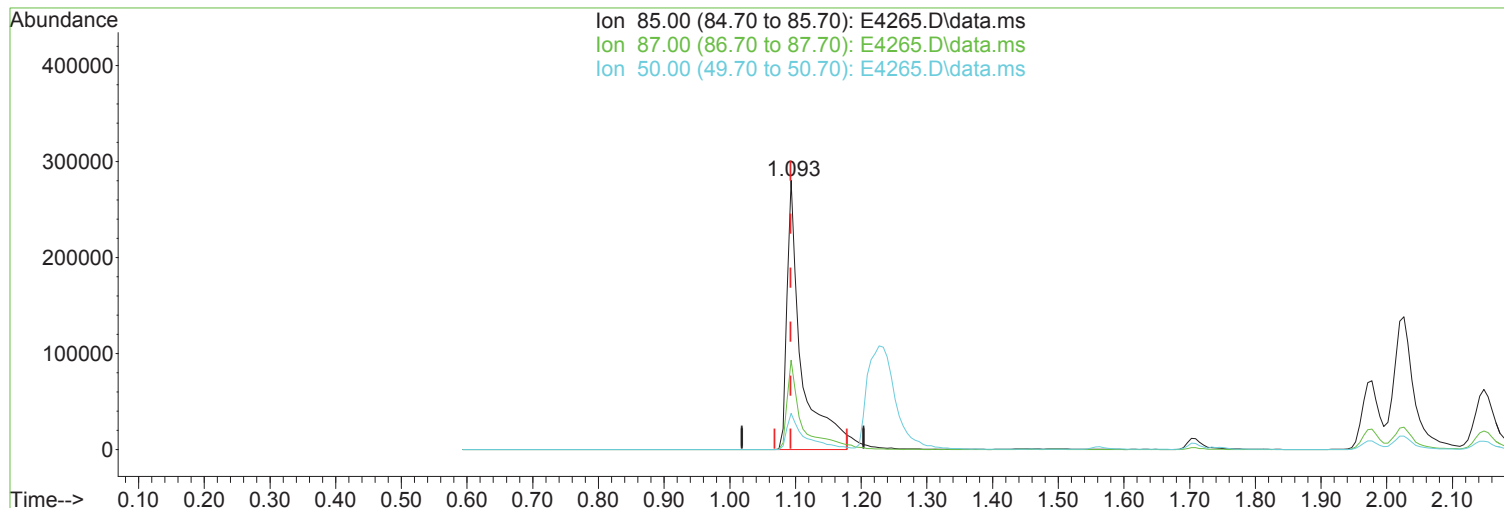
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4265.D\data.ms

(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 106.19 ug/L

Before

response 424638

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 33.20 |
| 50.00 | 16.40 | 13.41 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4265.D
 Acq On : 04 Aug 2023 06:42 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : WATER ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 385618 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 559067 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 522900 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 309065 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 385141 | 104.17 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 208.34%# |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 435884 | 102.89 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 205.78%# |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 1393360 | 103.61 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 207.22%# |
| 70) SURR2,BFB | 10.707 | 95 | 545343 | 106.43 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 212.86%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 343551 | 96.943 | ug/L | 95 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 443732m | 110.962 | ug/L | |
| 4) Chloromethane | 1.227 | 50 | 316056 | 103.291 | ug/L | 98 |
| 5) Vinyl Chloride | 1.282 | 62 | 405186 | 97.253 | ug/L | 98 |
| 6) Bromomethane | 1.489 | 94 | 312840 | 111.778 | ug/L | 99 |
| 7) Chloroethane | 1.563 | 64 | 288324 | 102.505 | ug/L | 99 |
| 8) Freon 21 | 1.709 | 67 | 559491 | 98.446 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.746 | 101 | 539509 | 100.741 | ug/L | 97 |
| 10) Diethyl Ether | 1.971 | 59 | 250268 | 99.391 | ug/L | 92 |
| 11) Freon 123a | 1.971 | 67 | 315025 | 93.202 | ug/L | 80 |
| 12) Freon 123 | 2.026 | 83 | 418380 | 101.168 | ug/L | 95 |
| 13) Acrolein | 2.063 | 56 | 277828 | 482.171 | ug/L | 99 |
| 14) 1,1-Dicethene | 2.142 | 96 | 281808 | 96.359 | ug/L | # 82 |
| 15) Freon 113 | 2.148 | 101 | 317740 | 99.696 | ug/L | 88 |
| 16) Acetone | 2.197 | 43 | 163572 | 91.428 | ug/L | 96 |
| 17) 2-Propanol | 2.331 | 45 | 536494 | 1826.413 | ug/L | 98 |
| 18) Iodomethane | 2.264 | 142 | 502645 | 112.182 | ug/L | 94 |
| 19) Carbon Disulfide | 2.319 | 76 | 869116 | 100.055 | ug/L | 99 |
| 20) Acetonitrile | 2.447 | 41 | 302938m | 225.868 | ug/L | |
| 21) Allyl Chloride | 2.453 | 76 | 171803 | 103.679 | ug/L | # 70 |
| 22) Methyl Acetate | 2.483 | 43 | 377150 | 93.141 | ug/L | 94 |
| 23) Methylene Chloride | 2.562 | 84 | 297762 | 91.292 | ug/L | 89 |
| 24) TBA | 2.709 | 59 | 927879 | 1801.886 | ug/L | 96 |
| 25) Acrylonitrile | 2.812 | 53 | 708297 | 468.374 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 976712 | 94.041 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 312187 | 94.134 | ug/L | # 83 |
| 28) 1,1-Dicethane | 3.306 | 63 | 522342 | 99.188 | ug/L | 98 |
| 29) Vinyl Acetate | 3.392 | 86 | 46673 | 95.683 | ug/L | # 23 |
| 30) DIPE | 3.422 | 45 | 934663 | 98.171 | ug/L | 96 |
| 31) 2-Chloro-1,3-Butadiene | 3.416 | 53 | 505105 | 100.629 | ug/L | 81 |
| 32) ETBE | 3.922 | 59 | 942488 | 95.371 | ug/L | 95 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 507542 | 85.410 | ug/L | 97 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 345118 | 95.552 | ug/L | # 78 |
| 35) 2-Butanone | 4.154 | 43 | 199004 | 94.140 | ug/L | 96 |
| 36) Propionitrile | 4.239 | 54 | 282883 | 448.140 | ug/L | 99 |
| 37) Bromochloromethane | 4.465 | 130 | 232409 | 105.641 | ug/L | # 82 |
| 38) Methacrylonitrile | 4.483 | 67 | 156707 | 93.505 | ug/L | # 81 |
| 39) Tetrahydrofuran | 4.568 | 42 | 113403 | 88.578 | ug/L | 87 |
| 40) Chloroform | 4.635 | 83 | 555463 | 97.346 | ug/L | 96 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4265.D
 Acq On : 04 Aug 2023 06:42 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : WATER ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|----------|--------|----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 535818 | 99.925 | ug/L | 97 |
| 42) TAME | 5.842 | 73 | 925026 | 95.886 | ug/L | 94 |
| 44) Cyclohexane | 5.007 | 41 | 288889 | 101.618 | ug/L | 98 |
| 46) Carbontetrachloride | 5.221 | 117 | 485146 | 104.478 | ug/L | 97 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 413859 | 97.416 | ug/L | 94 |
| 49) Benzene | 5.580 | 78 | 1176055 | 96.865 | ug/L | 94 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 442617 | 93.200 | ug/L | 95 |
| 51) Iso-Butyl Alcohol | 5.647 | 43 | 373293 | 1857.564 | ug/L | 99 |
| 52) n-Heptane | 6.098 | 43 | 416721 | 95.623 | ug/L | 90 |
| 53) 1-Butanol | 6.659 | 56 | 602054 | 4921.763 | ug/L | 93 |
| 54) Trichloroethene | 6.574 | 130 | 364410 | 96.808 | ug/L | 92 |
| 55) Methylcyclohexane | 6.812 | 55 | 403570 | 103.904 | ug/L | 82 |
| 56) 1,2-Diclp propane | 6.873 | 63 | 298971 | 94.911 | ug/L | 98 |
| 57) Dibromomethane | 7.013 | 93 | 217179 | 93.881 | ug/L # | 73 |
| 58) 1,4-Dioxane | 7.098 | 88 | 108017 | 1861.288 | ug/L | 78 |
| 59) Methyl Methacrylate | 7.117 | 69 | 264311 | 92.384 | ug/L | 86 |
| 60) Bromodichloromethane | 7.251 | 83 | 460532 | 94.788 | ug/L | 98 |
| 61) 2-Nitropropane | 7.555 | 41 | 227278 | 184.132 | ug/L | 99 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 197192 | 97.698 | ug/L | 91 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 518022 | 95.538 | ug/L | 95 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 375458 | 93.388 | ug/L | 94 |
| 66) Toluene | 8.177 | 91 | 1365956 | 98.806 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 497610 | 99.205 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 483607 | 85.566 | ug/L | 91 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 310329 | 93.792 | ug/L | 97 |
| 72) Tetrachloroethene | 8.775 | 164 | 300475 | 94.672 | ug/L | 93 |
| 73) 2-Hexanone | 8.958 | 43 | 284619 | 91.145 | ug/L | 93 |
| 74) 1,3-Dichloropropene | 8.824 | 76 | 507852 | 90.431 | ug/L | 90 |
| 75) Dibromochloromethane | 9.049 | 129 | 406013 | 86.847 | ug/L | 99 |
| 76) N-Butyl Acetate | 9.116 | 43 | 571210 | 91.906 | ug/L | 95 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 342344 | 91.889 | ug/L | 98 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 569052 | 98.696 | ug/L | 96 |
| 79) Chlorobenzene | 9.647 | 112 | 927419 | 95.062 | ug/L | 94 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 508580 | 98.009 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 366955 | 94.261 | ug/L | 97 |
| 82) Ethylbenzene | 9.768 | 106 | 486111 | 95.685 | ug/L # | 86 |
| 83) (m+p)Xylene | 9.884 | 106 | 1228994 | 193.652 | ug/L | 90 |
| 84) o-Xylene | 10.244 | 106 | 591813 | 94.941 | ug/L | 91 |
| 85) Styrene | 10.262 | 104 | 1046047 | 99.004 | ug/L | 91 |
| 86) Bromoform | 10.409 | 173 | 315510 | 99.843 | ug/L | 100 |
| 87) 2-Chlorobenzotrifluoride | 10.500 | 180 | 562049 | 99.764 | ug/L | 90 |
| 88) Isopropylbenzene | 10.585 | 105 | 1478810 | 96.354 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 1402197 | 1807.988 | ug/L | 95 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 145489 | 96.275 | ug/L | 84 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 454521 | 82.863 | ug/L | 97 |
| 93) Bromobenzene | 10.823 | 156 | 455005 | 87.539 | ug/L # | 82 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 152051 | 80.117 | ug/L # | 85 |
| 95) n-Propylbenzene | 10.939 | 91 | 1799655 | 87.765 | ug/L | 96 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 1076801 | 86.691 | ug/L | 95 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 1089247 | 85.648 | ug/L | 93 |
| 98) 4-Chlorotoluene | 11.098 | 91 | 1326902 | 87.674 | ug/L | 94 |
| 99) 1,3,5-Trimethylbenzene | 11.098 | 105 | 1391119 | 87.962 | ug/L | 95 |
| 100) tert-Butylbenzene | 11.366 | 119 | 1166575 | 86.761 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 1350965 | 88.691 | ug/L | 96 |
| 102) 3,4-Dichlorobenzotrifl... | 11.475 | 214 | 472940 | 92.355 | ug/L | 96 |
| 103) sec-Butylbenzene | 11.549 | 105 | 1660601 | 86.369 | ug/L | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4265.D
 Acq On : 04 Aug 2023 06:42 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : WATER ICAL
 ALS Vial : 7 Sample Multiplier: 1

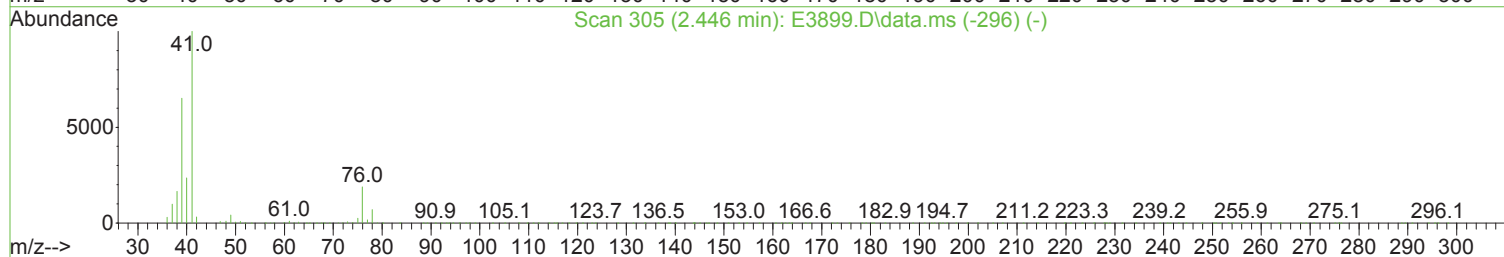
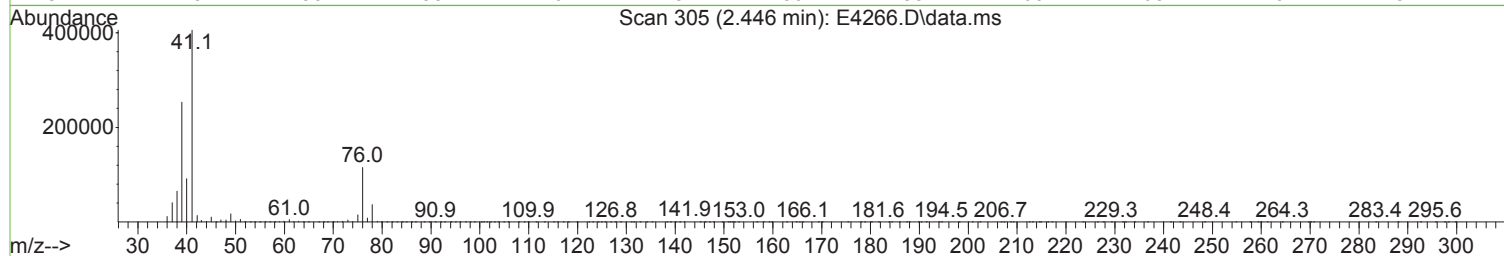
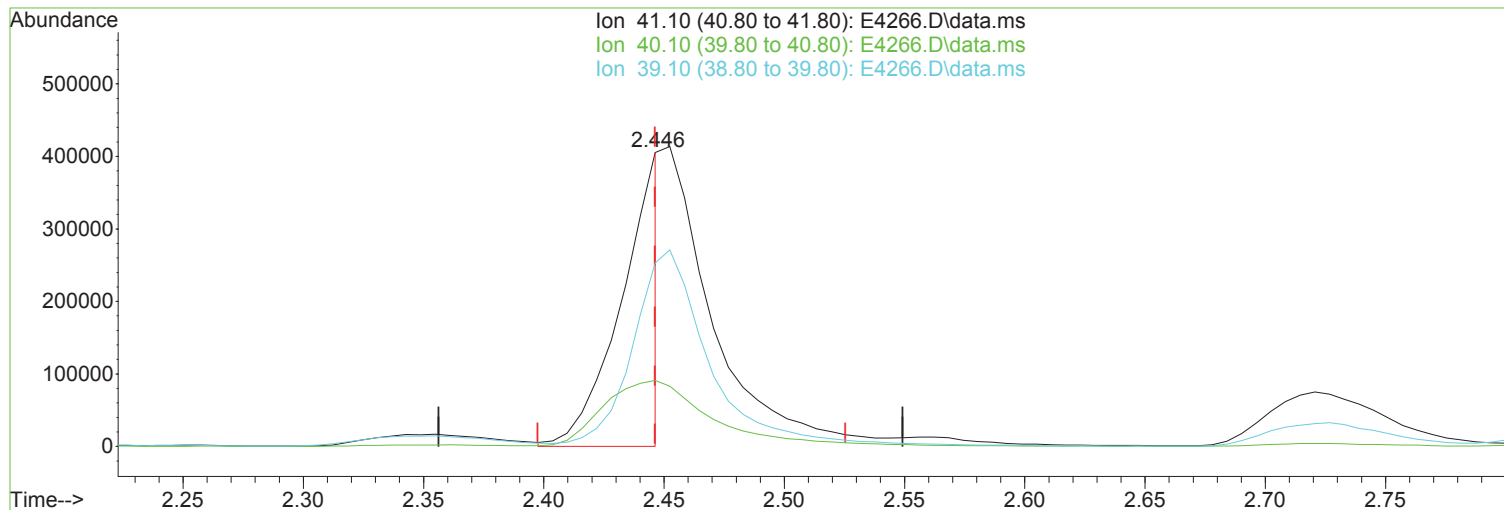
Quant Time: Aug 05 09:35:47 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 104) p-Isopropyltoluene | 11.677 | 119 | 1506480 | 89.234 | ug/L | 94 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 819544 | 86.961 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 848880 | 88.008 | ug/L | 97 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 418855 | 91.344 | ug/L | 98 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 464837 | 91.503 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 1344356 | 92.672 | ug/L | 96 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 810125 | 87.769 | ug/L | 96 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 134656 | 88.904 | ug/L # | 85 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 2111685 | 267.866 | ug/L | 93 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 618016 | 89.222 | ug/L | 97 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 1509595 | 181.169 | ug/L | 94 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 628991 | 90.050 | ug/L | 98 |
| 116) Hexachlorobt | 13.426 | 225 | 281843 | 86.555 | ug/L | 95 |
| 117) Naphthalen | 13.475 | 128 | 1564978 | 90.342 | ug/L | 98 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 607044 | 89.697 | ug/L | 97 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 404303 | 91.690 | ug/L | 99 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 368427 | 89.432 | ug/L | 98 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4266.D
 Acq On : 04 Aug 2023 07:05 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : WATER ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



TIC: E4266.D\data.ms

(20) Acetonitrile

Manual Integration:

2.446min (-0.000) 336.98 ug/L m

After

response 459379

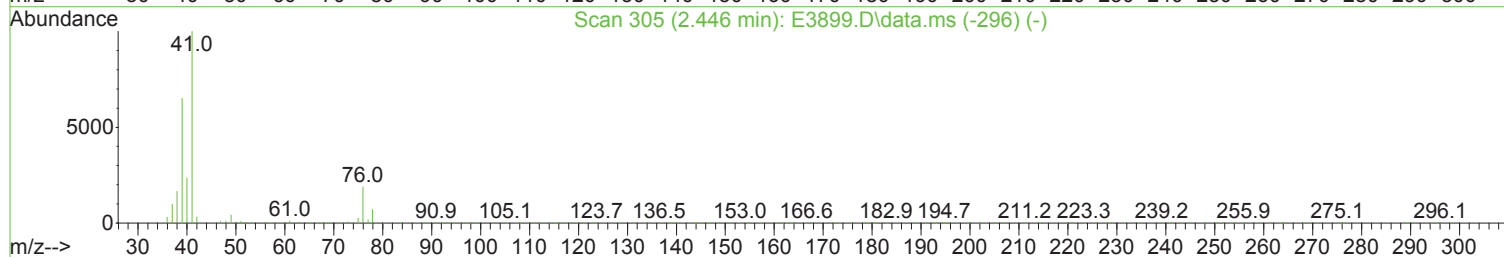
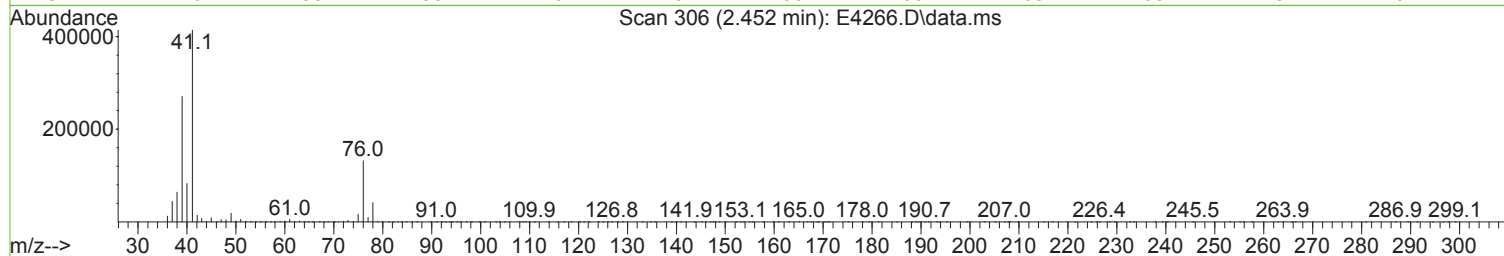
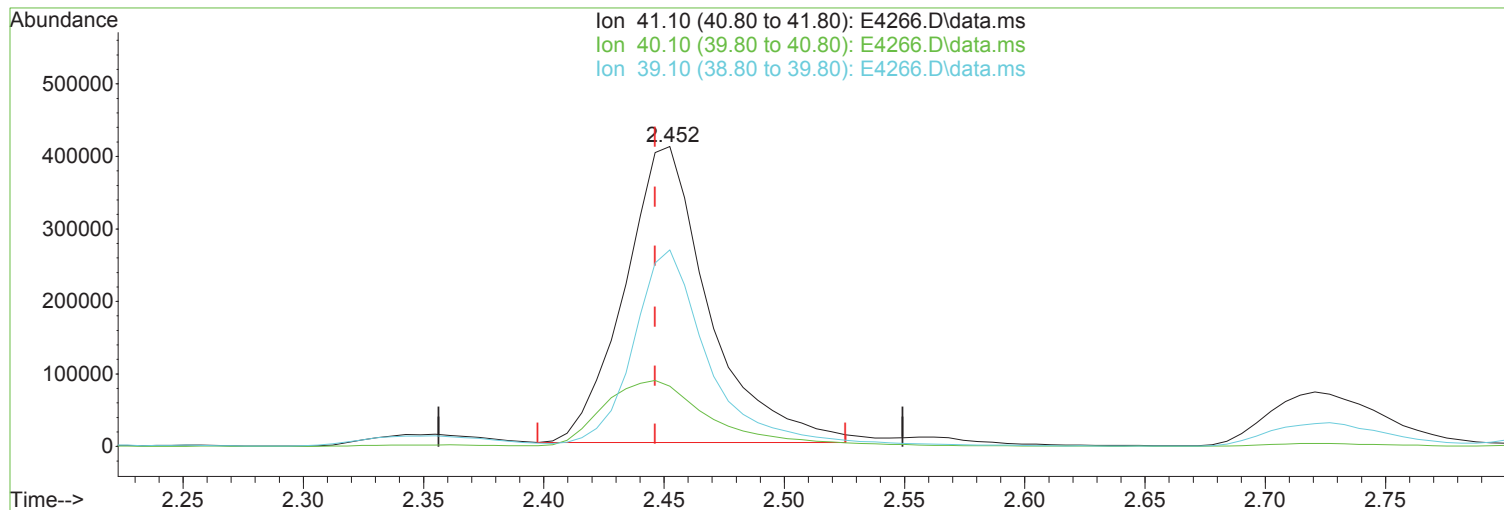
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 22.47 |
| 39.10 | 65.30 | 62.41 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4266.D
Acq On : 04 Aug 2023 07:05 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.452min (+ 0.006) 734.88 ug/L

Before

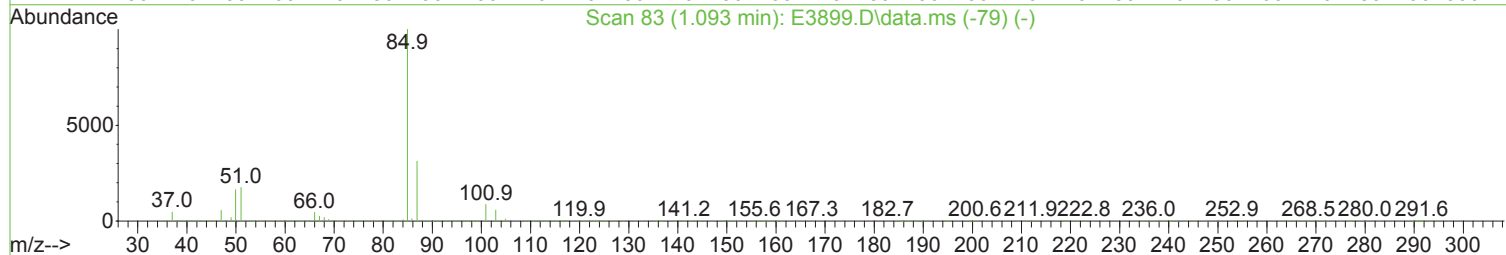
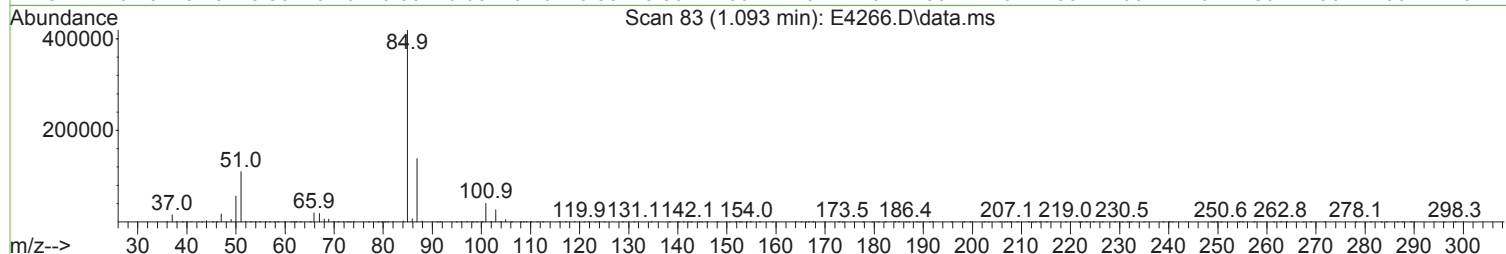
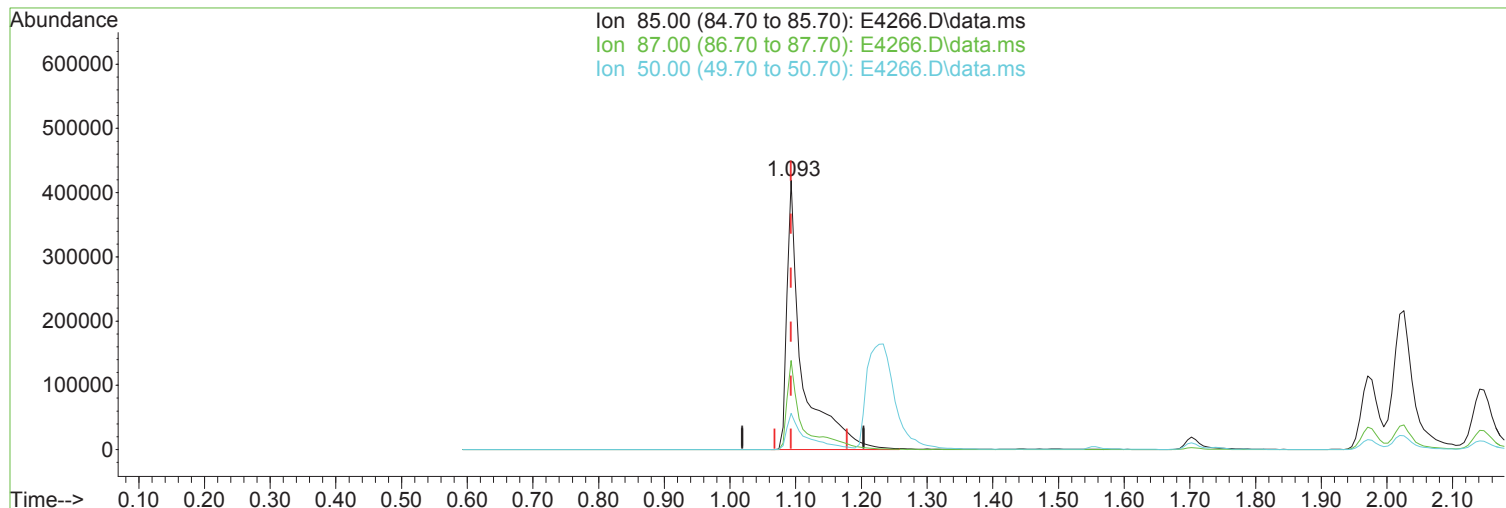
response 1001798

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 20.12 |
| 39.10 | 65.30 | 65.51 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4266.D
Acq On : 04 Aug 2023 07:05 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 168.12 ug/L m

After

response 683353

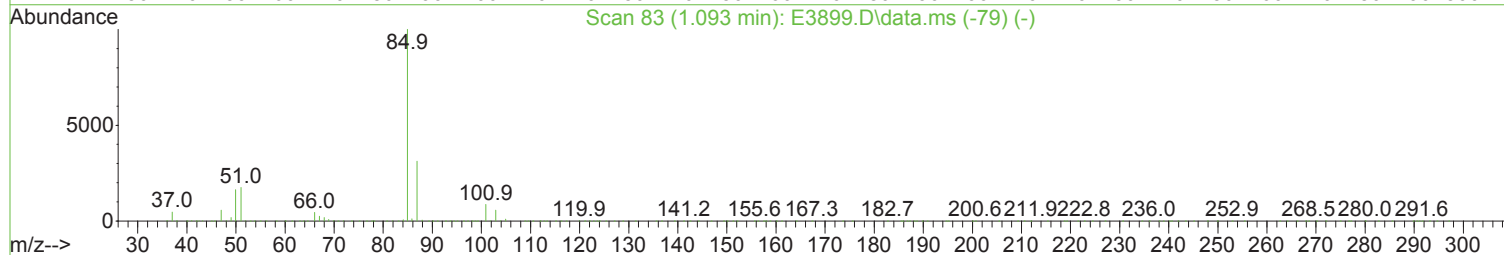
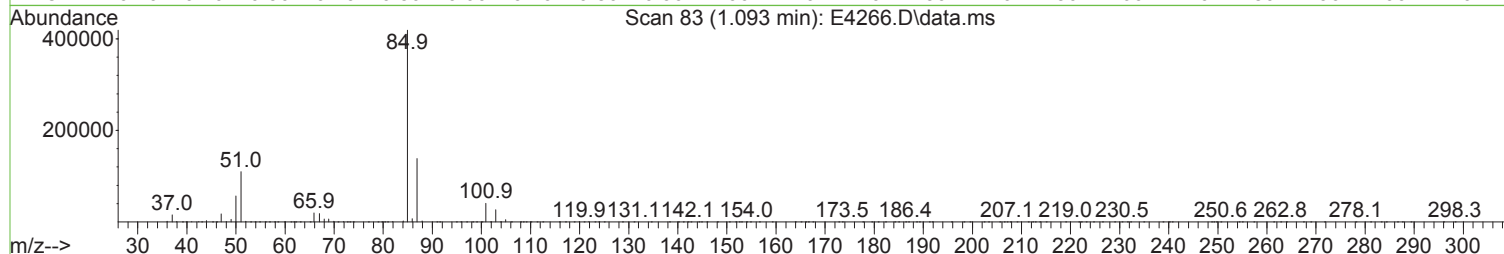
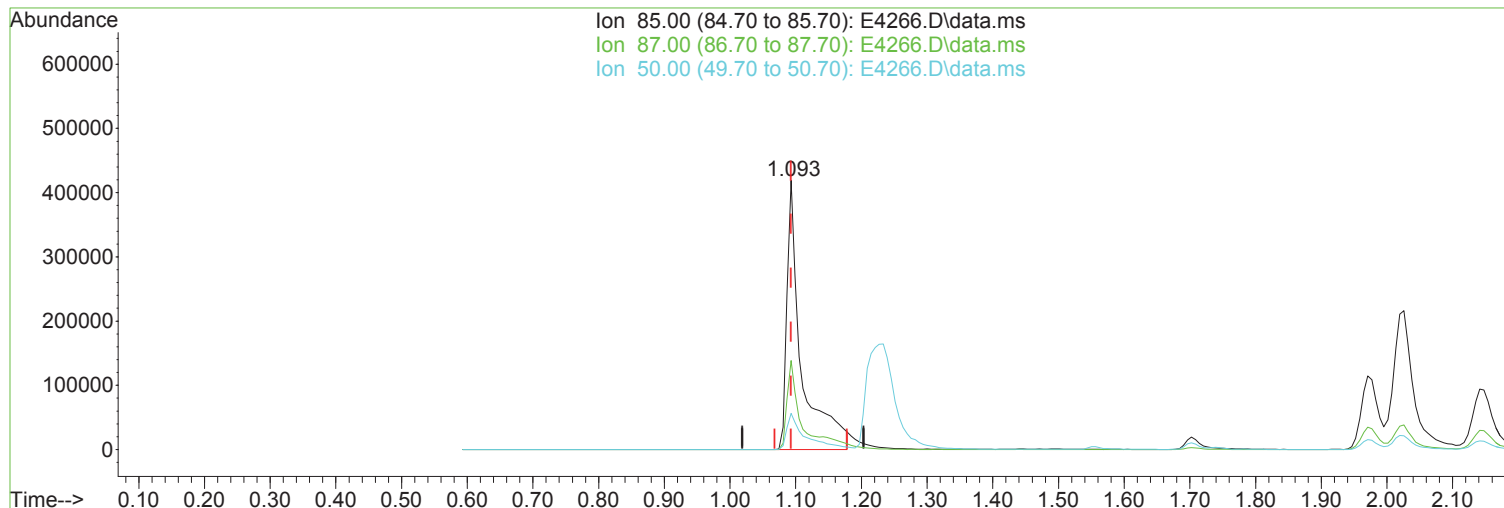
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 33.11 |
| 50.00 | 16.40 | 13.47 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4266.D
Acq On : 04 Aug 2023 07:05 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 160.05 ug/L

Before

response 650515

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 33.11 |
| 50.00 | 16.40 | 13.47 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4266.D
 Acq On : 04 Aug 2023 07:05 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : WATER ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 391944 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.244 | 114 | 569369 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 537597 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.682 | 152 | 317818 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.921 | 113 | 739160 | 196.31 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 392.62%# |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 833628 | 193.22 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 386.44%# |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 2723192 | 198.82 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 397.64%# |
| 70) SURR2,BFB | 10.707 | 95 | 1084789 | 207.87 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 415.74%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 539722 | 149.840 | ug/L | 96 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 683353m | 168.124 | ug/L | |
| 4) Chloromethane | 1.233 | 50 | 483782 | 155.554 | ug/L | 99 |
| 5) Vinyl Chloride | 1.282 | 62 | 602221 | 142.212 | ug/L | 98 |
| 6) Bromomethane | 1.489 | 94 | 452356 | 159.019 | ug/L | 99 |
| 7) Chloroethane | 1.550 | 64 | 529199 | 185.105 | ug/L | 99 |
| 8) Freon 21 | 1.703 | 67 | 917280 | 158.796 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.739 | 101 | 851930 | 156.511 | ug/L | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 387100 | 151.251 | ug/L | 93 |
| 11) Freon 123a | 1.971 | 67 | 493899 | 143.764 | ug/L | 78 |
| 12) Freon 123 | 2.026 | 83 | 664668 | 158.129 | ug/L | 95 |
| 13) Acrolein | 2.068 | 56 | 416641 | 711.410 | ug/L | 99 |
| 14) 1,1-Dicethene | 2.141 | 96 | 440173 | 148.079 | ug/L | # 81 |
| 15) Freon 113 | 2.148 | 101 | 492137 | 151.924 | ug/L | 87 |
| 16) Acetone | 2.196 | 43 | 238382 | 131.093 | ug/L | 97 |
| 17) 2-Propanol | 2.355 | 45 | 826995 | 2769.940 | ug/L | 98 |
| 18) Iodomethane | 2.263 | 142 | 728247 | 159.909 | ug/L | 92 |
| 19) Carbon Disulfide | 2.318 | 76 | 1291104 | 146.237 | ug/L | 99 |
| 20) Acetonitrile | 2.446 | 41 | 459379m | 336.981 | ug/L | |
| 21) Allyl Chloride | 2.452 | 76 | 267370 | 158.747 | ug/L | # 72 |
| 22) Methyl Acetate | 2.483 | 43 | 577175 | 140.238 | ug/L | 93 |
| 23) Methylene Chloride | 2.562 | 84 | 462640 | 139.553 | ug/L | 89 |
| 24) TBA | 2.721 | 59 | 1378489 | 2633.738 | ug/L | 97 |
| 25) Acrylonitrile | 2.812 | 53 | 1088916 | 708.443 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 1513603 | 143.383 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 2.836 | 96 | 487076 | 144.498 | ug/L | # 82 |
| 28) 1,1-Dicethane | 3.306 | 63 | 805986 | 150.579 | ug/L | 98 |
| 29) Vinyl Acetate | 3.397 | 86 | 70151 | 141.493 | ug/L | # 44 |
| 30) DIPE | 3.428 | 45 | 1454611 | 150.317 | ug/L | 91 |
| 31) 2-Chloro-1,3-Butadiene | 3.416 | 53 | 763998 | 149.750 | ug/L | 81 |
| 32) ETBE | 3.922 | 59 | 1445530 | 143.913 | ug/L | 95 |
| 33) 2,2-Dichloropropane | 4.080 | 77 | 778868 | 128.953 | ug/L | 97 |
| 34) cis-1,2-Dichloroethene | 4.092 | 96 | 532926 | 145.168 | ug/L | # 79 |
| 35) 2-Butanone | 4.159 | 43 | 289693 | 134.830 | ug/L | 92 |
| 36) Propionitrile | 4.245 | 54 | 428494 | 667.859 | ug/L | 99 |
| 37) Bromochloromethane | 4.464 | 130 | 362229 | 161.992 | ug/L | # 84 |
| 38) Methacrylonitrile | 4.489 | 67 | 236724 | 138.970 | ug/L | # 79 |
| 39) Tetrahydrofuran | 4.568 | 42 | 168528 | 129.511 | ug/L | 89 |
| 40) Chloroform | 4.635 | 83 | 851570 | 146.831 | ug/L | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4266.D
 Acq On : 04 Aug 2023 07:05 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : WATER ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 4.921 | 97 | 822960 | 150.997 | ug/L | 97 |
| 42) TAME | 5.842 | 73 | 1420739 | 144.893 | ug/L | 94 |
| 44) Cyclohexane | 5.001 | 41 | 450200 | 155.495 | ug/L | 99 |
| 46) Carbondetrachloride | 5.214 | 117 | 748629 | 158.302 | ug/L | 99 |
| 47) 1,1-Dichloropropene | 5.232 | 75 | 632145 | 146.105 | ug/L | 95 |
| 49) Benzene | 5.580 | 78 | 1796784 | 145.313 | ug/L | 94 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 675906 | 139.748 | ug/L | 96 |
| 51) Iso-Butyl Alcohol | 5.665 | 43 | 549497 | 2684.908 | ug/L | 95 |
| 52) n-Heptane | 6.098 | 43 | 637936 | 143.735 | ug/L | 90 |
| 53) 1-Butanol | 6.671 | 56 | 905669 | 7269.839 | ug/L | 92 |
| 54) Trichloroethene | 6.574 | 130 | 560160 | 146.117 | ug/L | 92 |
| 55) Methylcyclohexane | 6.811 | 55 | 632708 | 159.952 | ug/L | 86 |
| 56) 1,2-Diclpropane | 6.866 | 63 | 460320 | 143.489 | ug/L | 98 |
| 57) Dibromomethane | 7.013 | 93 | 333223 | 141.438 | ug/L # | 73 |
| 58) 1,4-Dioxane | 7.104 | 88 | 162971 | 2757.413 | ug/L # | 76 |
| 59) Methyl Methacrylate | 7.122 | 69 | 400740 | 137.536 | ug/L # | 82 |
| 60) Bromodichloromethane | 7.250 | 83 | 709285 | 143.345 | ug/L | 98 |
| 61) 2-Nitropropane | 7.555 | 41 | 349464 | 277.999 | ug/L | 98 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 290355 | 141.253 | ug/L | 91 |
| 63) cis-1,3-Dichloropropene | 7.811 | 75 | 796757 | 144.285 | ug/L | 93 |
| 64) 4-Methyl-2-pentanone | 8.037 | 43 | 552613 | 134.965 | ug/L | 94 |
| 66) Toluene | 8.177 | 91 | 2123587 | 150.830 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.463 | 75 | 768800 | 150.497 | ug/L | 96 |
| 68) Ethyl Methacrylate | 8.616 | 69 | 745278 | 129.478 | ug/L | 89 |
| 69) 1,1,2-Trichloroethane | 8.652 | 97 | 481011 | 142.748 | ug/L | 94 |
| 72) Tetrachloroethene | 8.774 | 164 | 463177 | 141.946 | ug/L | 93 |
| 73) 2-Hexanone | 8.963 | 43 | 414203 | 129.016 | ug/L | 91 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 782305 | 135.493 | ug/L | 90 |
| 75) Dibromochloromethane | 9.049 | 129 | 622166 | 129.444 | ug/L | 100 |
| 76) N-Butyl Acetate | 9.116 | 43 | 873968 | 136.775 | ug/L | 95 |
| 77) 1,2-Dibromoethane | 9.146 | 107 | 524009 | 136.805 | ug/L | 98 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 875405 | 147.678 | ug/L | 97 |
| 79) Chlorobenzene | 9.646 | 112 | 1435051 | 143.074 | ug/L | 95 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 776718 | 145.591 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 574842 | 143.624 | ug/L | 98 |
| 82) Ethylbenzene | 9.774 | 106 | 743218 | 142.293 | ug/L # | 81 |
| 83) (m+p)Xylene | 9.884 | 106 | 1899394 | 291.105 | ug/L | 91 |
| 84) o-Xylene | 10.244 | 106 | 918541 | 143.328 | ug/L | 94 |
| 85) Styrene | 10.262 | 104 | 1622967 | 149.408 | ug/L | 93 |
| 86) Bromoform | 10.408 | 173 | 494931 | 152.339 | ug/L | 100 |
| 87) 2-Chlorobenzotrifluoride | 10.500 | 180 | 856980 | 147.956 | ug/L | 92 |
| 88) Isopropylbenzene | 10.585 | 105 | 2250162 | 142.604 | ug/L | 98 |
| 89) Cyclohexanone | 10.658 | 55 | 2068380 | 2594.052 | ug/L | 95 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 218744 | 140.793 | ug/L | 87 |
| 92) 1,1,2,2-Tetrachloroethane | 10.853 | 83 | 692315 | 122.739 | ug/L | 95 |
| 93) Bromobenzene | 10.829 | 156 | 706642 | 132.207 | ug/L # | 72 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 232551 | 119.158 | ug/L # | 86 |
| 95) n-Propylbenzene | 10.945 | 91 | 2698785 | 127.989 | ug/L | 94 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 1646752 | 128.925 | ug/L | 96 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 1716683 | 131.266 | ug/L | 93 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 1960280 | 125.957 | ug/L | 95 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 2081181 | 127.972 | ug/L | 94 |
| 100) tert-Butylbenzene | 11.365 | 119 | 1765817 | 127.711 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 2055351 | 131.218 | ug/L | 97 |
| 102) 3,4-Dichlorobenzotrifl... | 11.475 | 214 | 702341 | 133.374 | ug/L | 98 |
| 103) sec-Butylbenzene | 11.548 | 105 | 2492305 | 126.056 | ug/L | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4266.D
 Acq On : 04 Aug 2023 07:05 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : WATER ICAL
 ALS Vial : 8 Sample Multiplier: 1

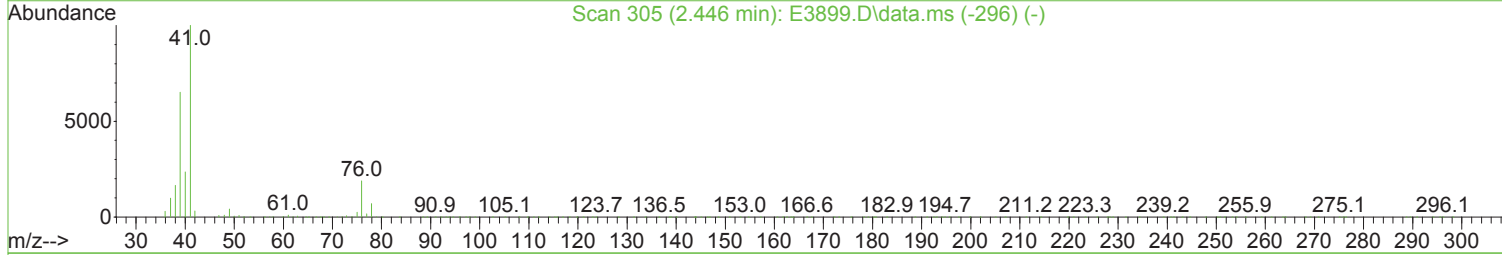
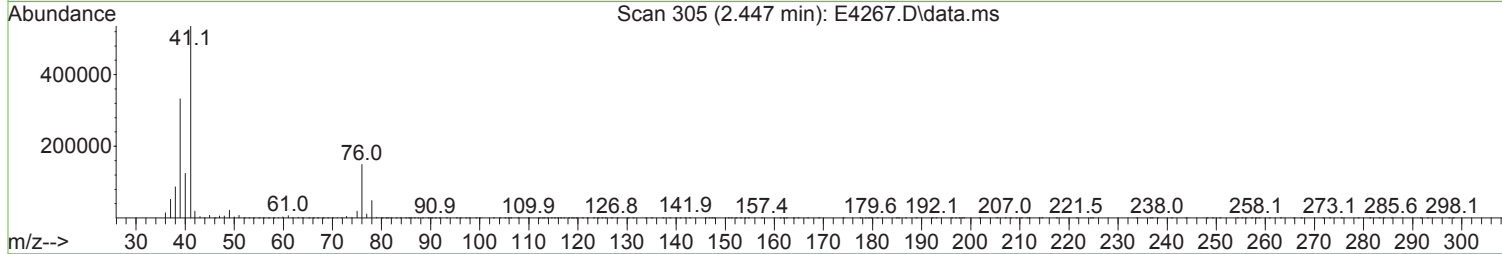
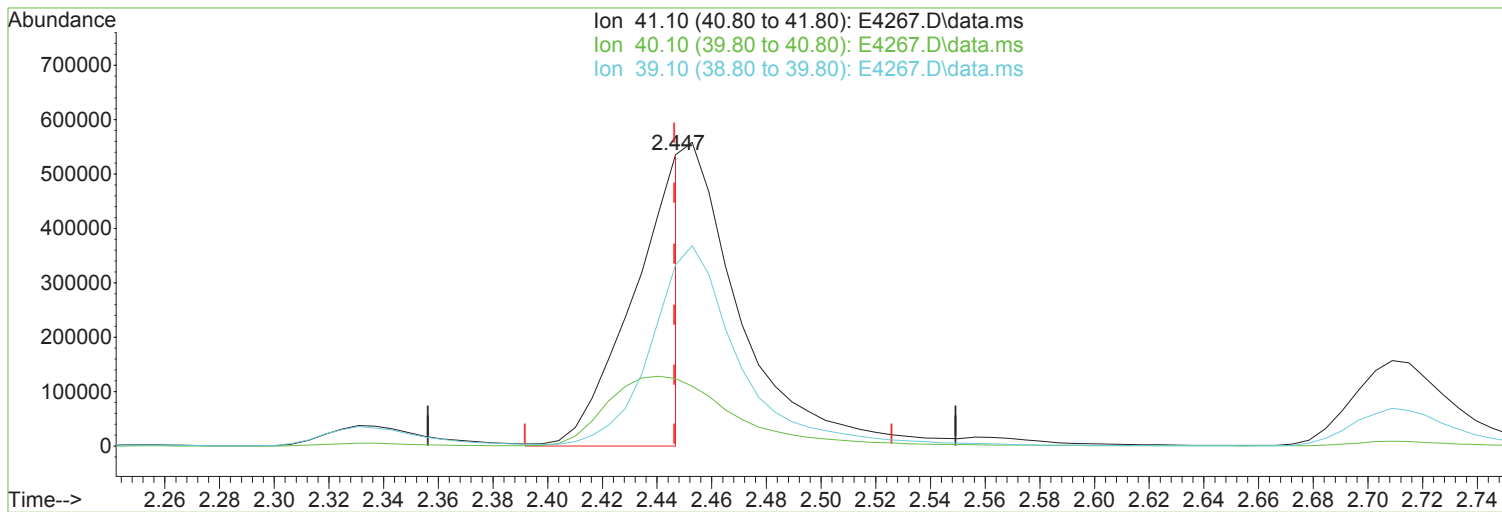
Quant Time: Aug 05 09:35:51 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 104) p-Isopropyltoluene | 11.676 | 119 | 2235649 | 128.778 | ug/L | 94 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 1253192 | 129.313 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 1284066 | 129.460 | ug/L | 97 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 635277 | 134.726 | ug/L | 99 |
| 108) 2,5-Dichlorobenzotrifl... | 11.804 | 214 | 677394 | 129.672 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 2007471 | 134.572 | ug/L | 95 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 1237033 | 130.330 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.633 | 157 | 203286 | 130.518 | ug/L # | 87 |
| 112) Trielution Dichlorotol... | 12.749 | 125 | 3122309 | 385.155 | ug/L | 93 |
| 113) 1,3,5-Trichlorobenzene | 12.804 | 180 | 916120 | 128.616 | ug/L | 94 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 2236799 | 261.049 | ug/L | 94 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 939782 | 130.839 | ug/L | 98 |
| 116) Hexachlorobt | 13.426 | 225 | 384165 | 114.729 | ug/L | 99 |
| 117) Naphthalen | 13.475 | 128 | 2349465 | 131.894 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 917543 | 131.843 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 552749 | 121.903 | ug/L | 99 |
| 120) 2,3,6-Trichlorotoluene | 14.334 | 159 | 506513 | 119.564 | ug/L | 99 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile

2.447min (+ 0.000) 472.97 ug/L m

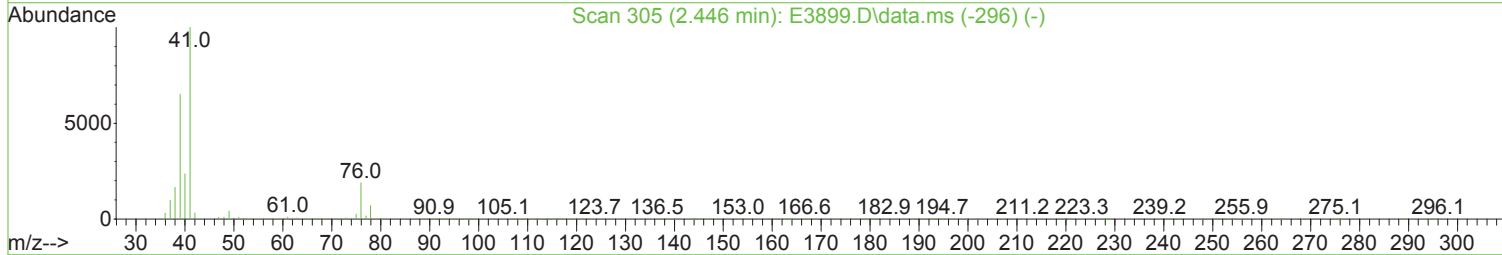
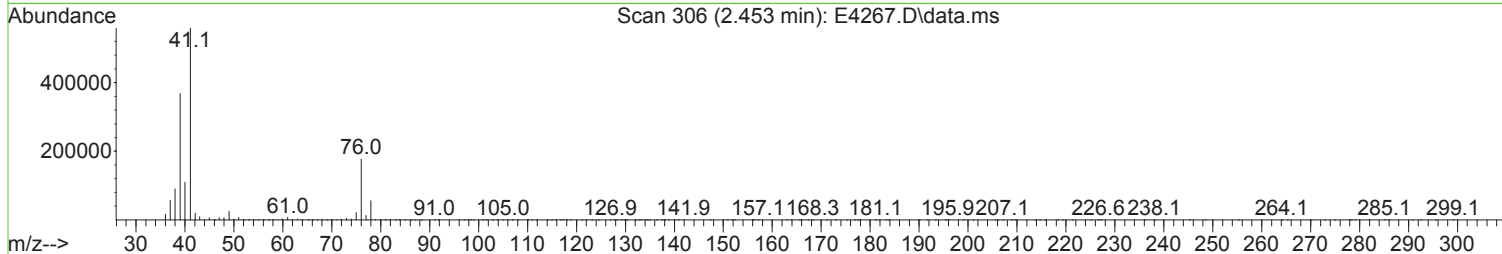
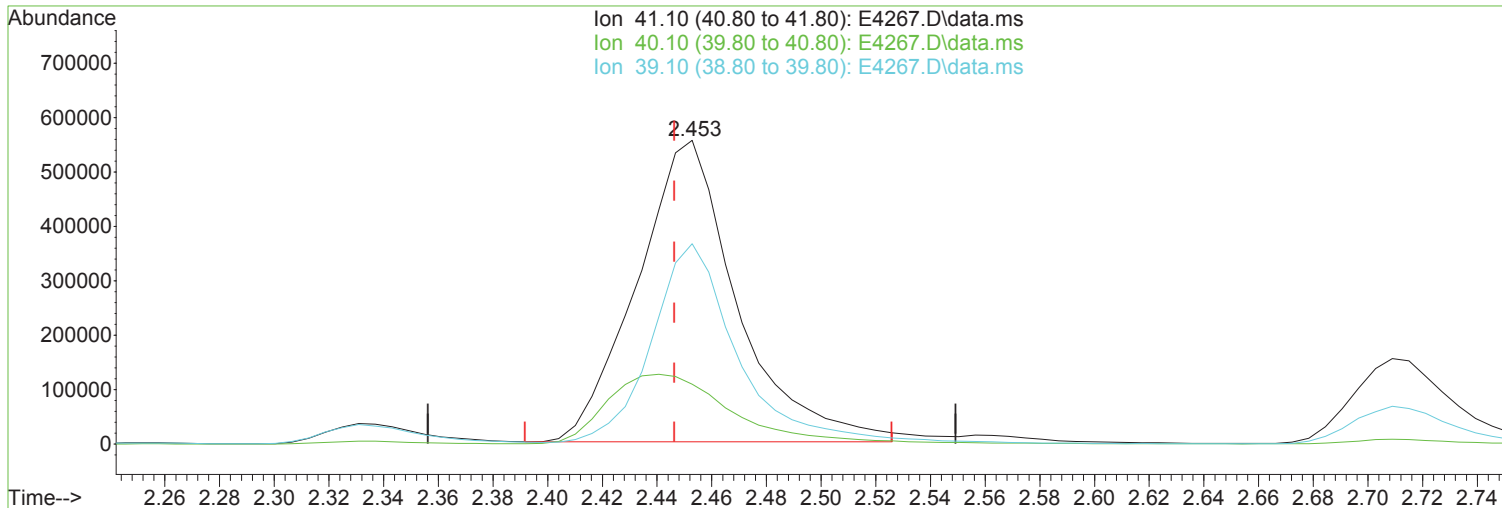
response 664626

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.60 | 23.26 |
| 39.10 | 65.30 | 62.19 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:
After
Poor integration.
08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(20) Acetonitrile Manual Integration:

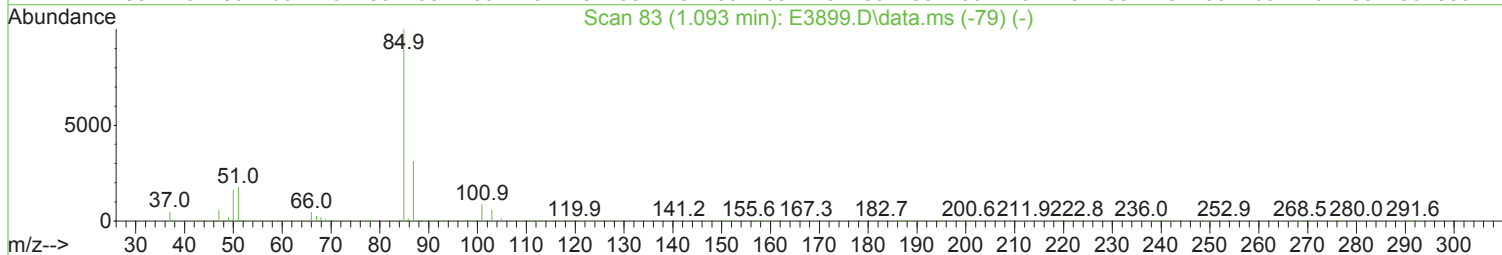
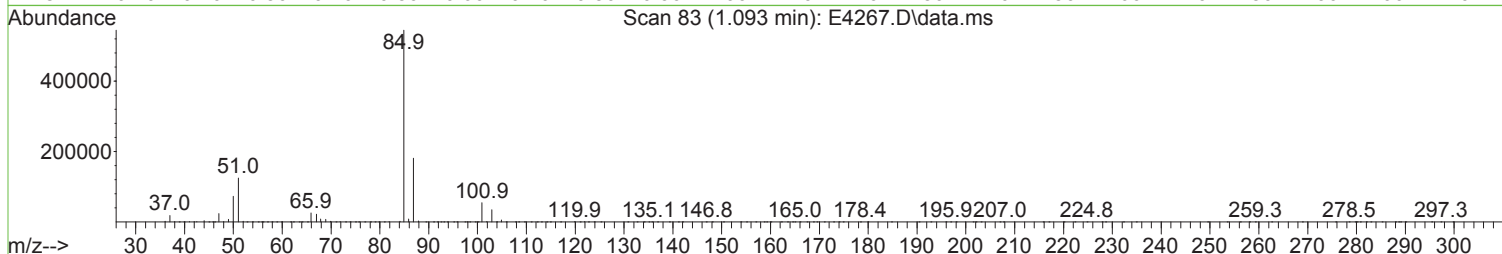
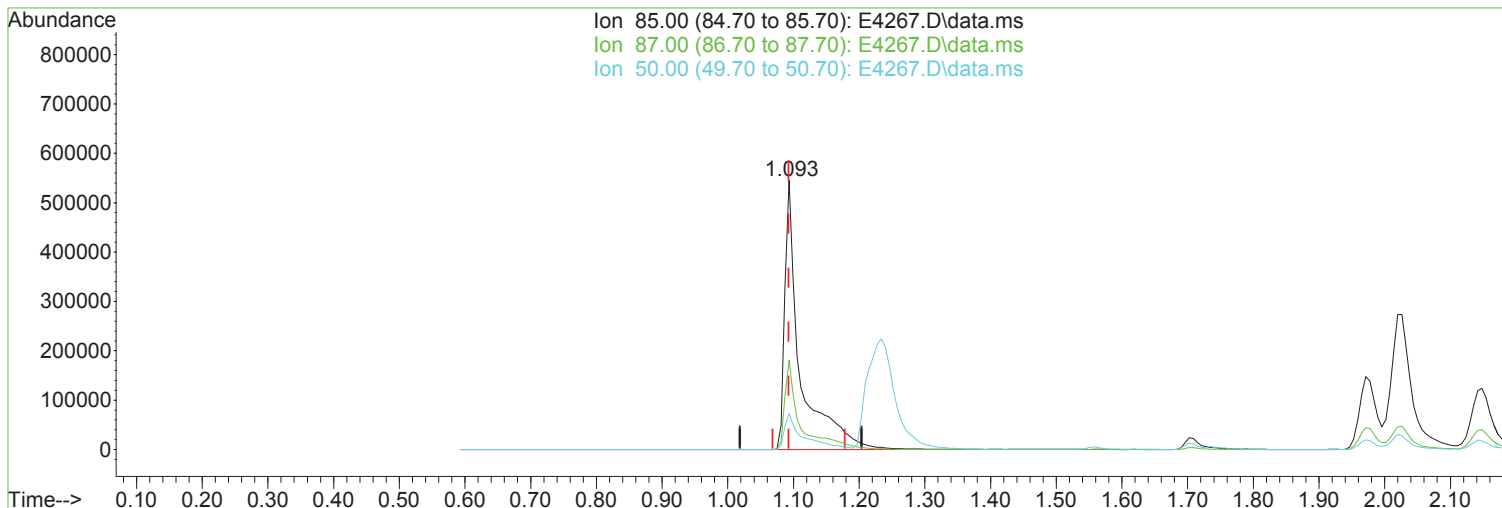
2.453min (+ 0.006) 1008.28 ug/L Before

response 1416851

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 41.10 | 100.00 | 100.00 | 08/05/23 |
| 40.10 | 23.60 | 19.73 | |
| 39.10 | 65.30 | 65.96 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4267.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 213.77 ug/L m

response 895660

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 33.21 |
| 50.00 | 16.40 | 13.34 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

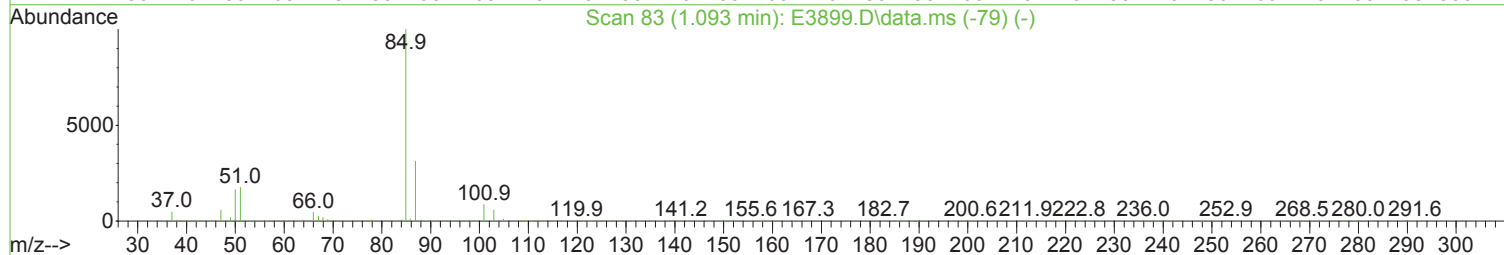
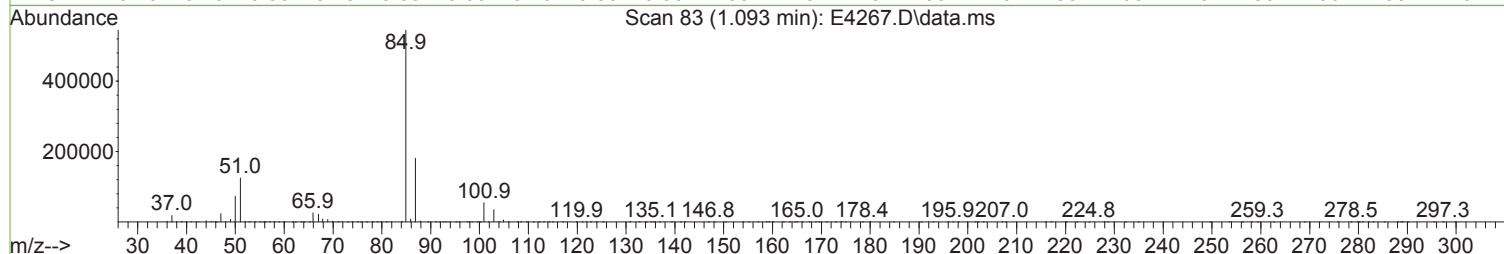
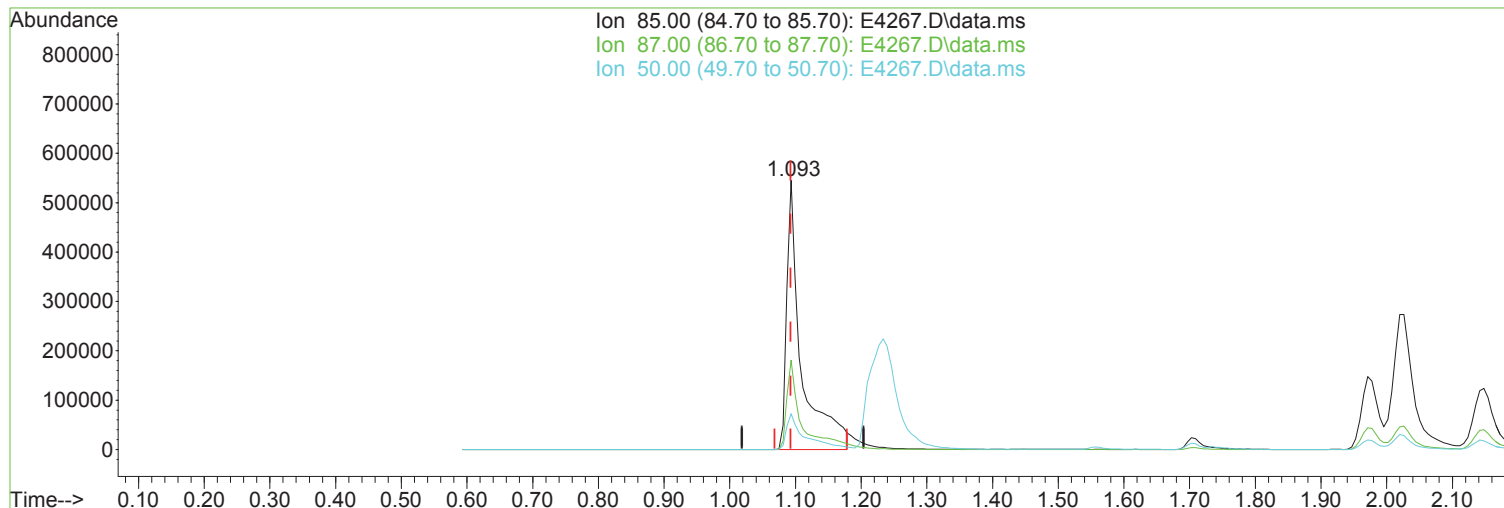
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4267.D\data.ms

(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (+ 0.000) 203.00 ug/L

Before

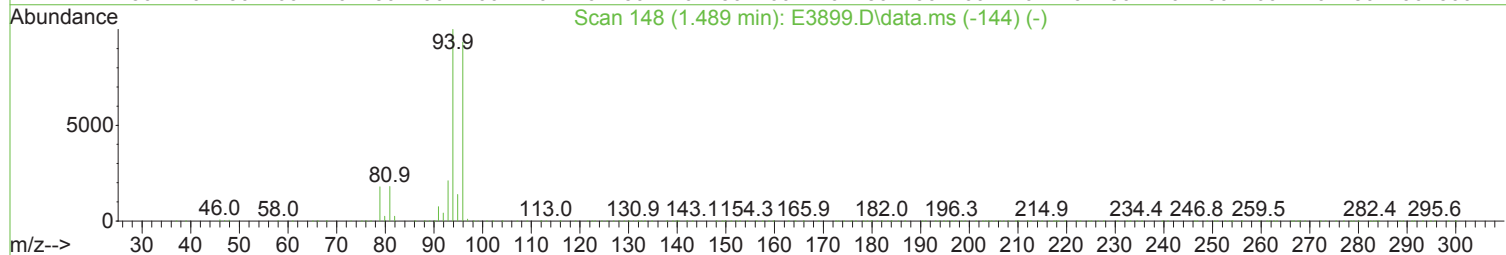
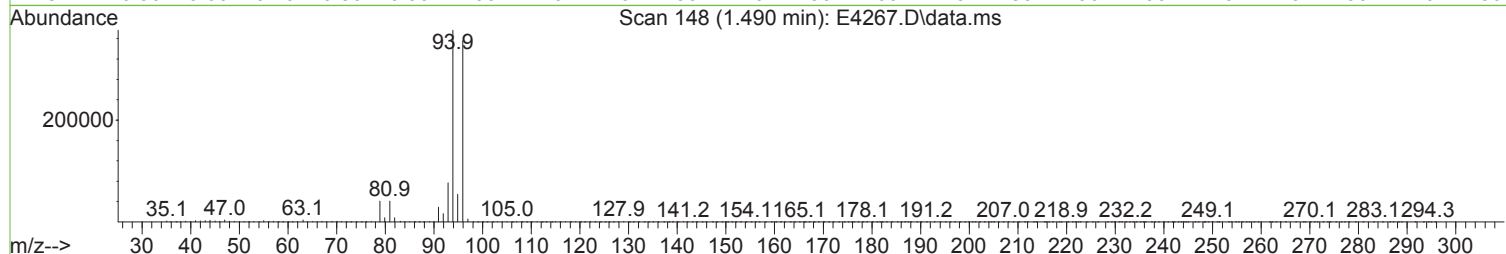
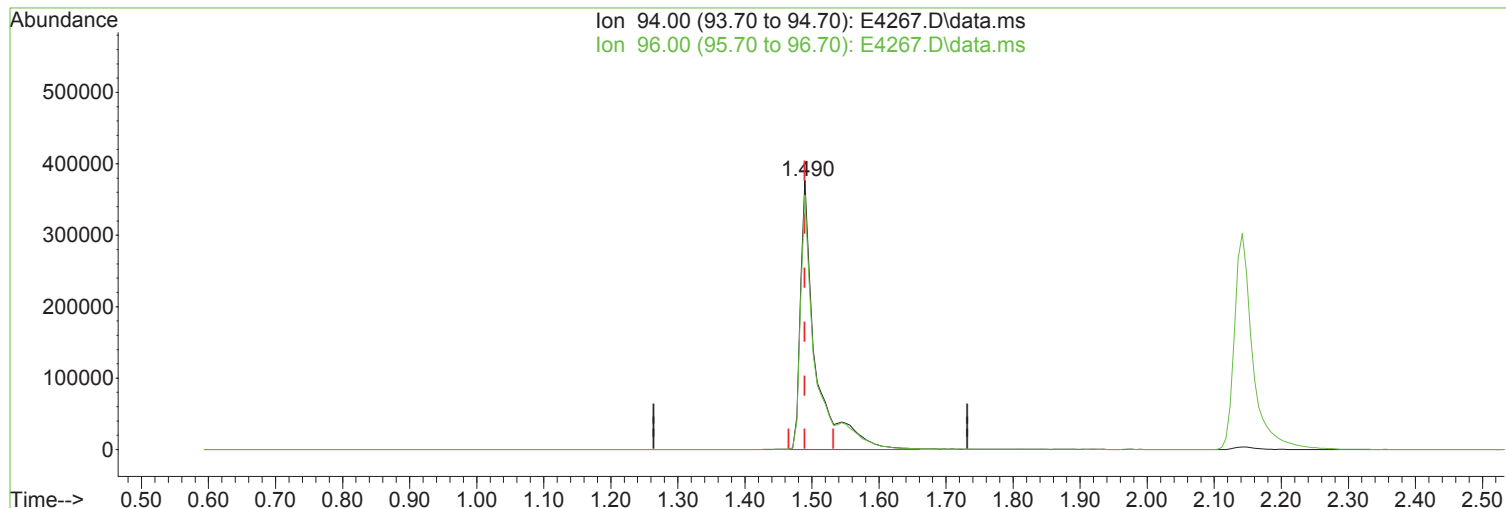
response 850530

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 31.30 | 33.21 |
| 50.00 | 16.40 | 13.34 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(6) Bromomethane (P)

Manual Integration:

1.490min (+ 0.000) 206.45 ug/L m

After

response 605366

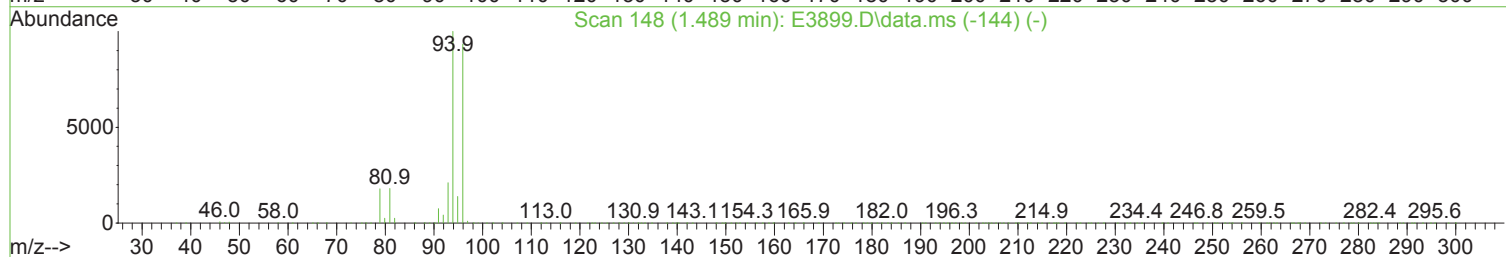
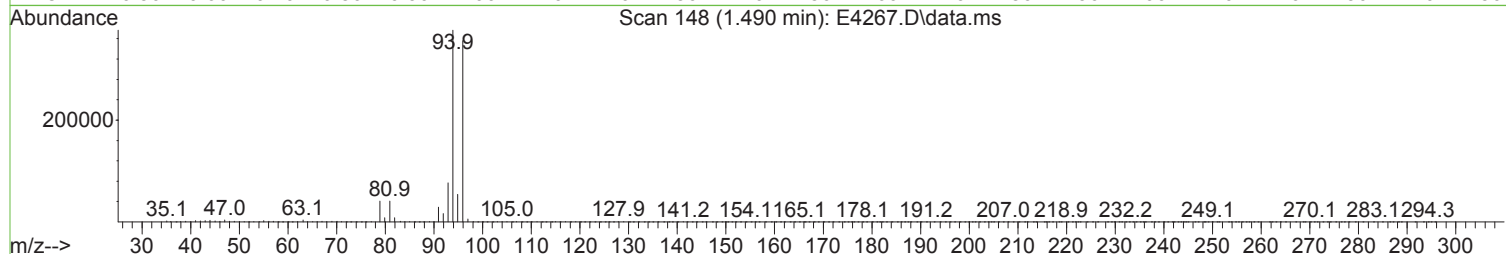
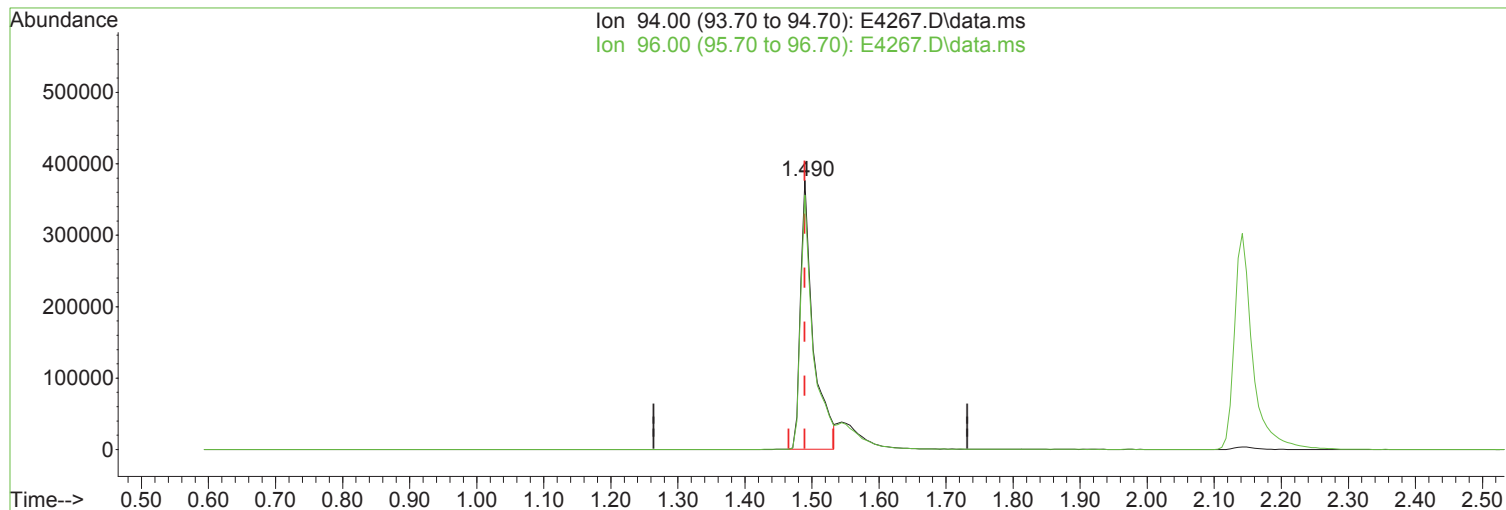
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 93.40 | 94.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



(6) Bromomethane (P)

Manual Integration:

1.490min (+ 0.000) 171.71 ug/L

Before

response 503521

| Ion | Exp% | Act% |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 93.40 | 94.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4267.D
 Acq On : 04 Aug 2023 07:28 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : WATER ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 404019 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 572895 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 518525 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 290072 | 50.00 | ug/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 194533 | 51.35 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 102.70% |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 218579 | 50.35 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 100.70% |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 711961 | 51.66 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 103.32% |
| 70) SURR2,BFB | 10.707 | 95 | 283965 | 54.08 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 108.16% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 693495 | 186.777 | ug/L | 94 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 895660m | 213.772 | ug/L | |
| 4) Chloromethane | 1.234 | 50 | 651005 | 203.066 | ug/L | 99 |
| 5) Vinyl Chloride | 1.282 | 62 | 831689 | 190.530 | ug/L | 99 |
| 6) Bromomethane | 1.490 | 94 | 605366m | 206.447 | ug/L | |
| 7) Chloroethane | 1.557 | 64 | 597017 | 202.585 | ug/L | 99 |
| 8) Freon 21 | 1.703 | 67 | 1153506 | 193.722 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.746 | 101 | 1089533 | 194.179 | ug/L | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 522194 | 197.938 | ug/L | 92 |
| 11) Freon 123a | 1.971 | 67 | 640201 | 180.780 | ug/L | 80 |
| 12) Freon 123 | 2.020 | 83 | 854325 | 197.175 | ug/L | 95 |
| 13) Acrolein | 2.063 | 56 | 667784 | 1106.155 | ug/L | 99 |
| 14) 1,1-Dicethene | 2.142 | 96 | 576443 | 188.126 | ug/L | # 83 |
| 15) Freon 113 | 2.148 | 101 | 646797 | 193.701 | ug/L | 85 |
| 16) Acetone | 2.197 | 43 | 348679 | 186.017 | ug/L | 96 |
| 17) 2-Propanol | 2.331 | 45 | 1250968 | 4064.769 | ug/L | 99 |
| 18) Iodomethane | 2.264 | 142 | 1006254 | 214.350 | ug/L | 92 |
| 19) Carbon Disulfide | 2.319 | 76 | 1755042 | 192.843 | ug/L | 99 |
| 20) Acetonitrile | 2.447 | 41 | 664626m | 472.970 | ug/L | |
| 21) Allyl Chloride | 2.453 | 76 | 357250 | 205.772 | ug/L | # 73 |
| 22) Methyl Acetate | 2.483 | 43 | 828859 | 195.372 | ug/L | 92 |
| 23) Methylene Chloride | 2.563 | 84 | 609635 | 178.398 | ug/L | # 88 |
| 24) TBA | 2.709 | 59 | 2146282 | 3978.123 | ug/L | 97 |
| 25) Acrylonitrile | 2.812 | 53 | 1561939 | 985.818 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 2070490 | 190.275 | ug/L | 96 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 647154 | 186.249 | ug/L | # 82 |
| 28) 1,1-Dicethane | 3.306 | 63 | 1059233 | 191.977 | ug/L | 97 |
| 29) Vinyl Acetate | 3.398 | 86 | 103474 | 202.467 | ug/L | # 46 |
| 30) DIPE | 3.428 | 45 | 1937941 | 194.278 | ug/L | 92 |
| 31) 2-Chloro-1,3-Butadiene | 3.416 | 53 | 1042496 | 198.231 | ug/L | 83 |
| 32) ETBE | 3.922 | 59 | 1927731 | 186.184 | ug/L | 95 |
| 33) 2,2-Dichloropropane | 4.081 | 77 | 1037774 | 166.684 | ug/L | 96 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 703726 | 185.965 | ug/L | # 81 |
| 35) 2-Butanone | 4.154 | 43 | 433370 | 195.672 | ug/L | 93 |
| 36) Propionitrile | 4.239 | 54 | 634100 | 958.782 | ug/L | 100 |
| 37) Bromochloromethane | 4.465 | 130 | 485602 | 210.675 | ug/L | # 83 |
| 38) Methacrylonitrile | 4.483 | 67 | 340396 | 193.858 | ug/L | # 82 |
| 39) Tetrahydrofuran | 4.562 | 42 | 253201 | 188.765 | ug/L | 90 |
| 40) Chloroform | 4.635 | 83 | 1130985 | 189.181 | ug/L | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4267.D
 Acq On : 04 Aug 2023 07:28 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : WATER ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|-----------|--------|-----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 1068296 | 190.153 | ug/L | 96 |
| 42) TAME | 5.842 | 73 | 1914539 | 189.417 | ug/L | 94 |
| 44) Cyclohexane | 5.007 | 41 | 583078 | 200.150 | ug/L | 99 |
| 46) Carbontetrachloride | 5.221 | 117 | 979630 | 205.874 | ug/L | 96 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 824780 | 189.454 | ug/L | 95 |
| 49) Benzene | 5.580 | 78 | 2372617 | 190.702 | ug/L | 95 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 920812 | 189.212 | ug/L | 96 |
| 51) Iso-Butyl Alcohol | 5.653 | 43 | 875838 | 4253.110 | ug/L | 98 |
| 52) n-Heptane | 6.098 | 43 | 870919 | 195.022 | ug/L | 90 |
| 53) 1-Butanol | 6.665 | 56 | 1423546 | 11356.528 | ug/L | 92 |
| 54) Trichloroethene | 6.574 | 130 | 734590 | 190.438 | ug/L | 93 |
| 55) Methylcyclohexane | 6.812 | 55 | 834253 | 209.605 | ug/L | 84 |
| 56) 1,2-Diclp propane | 6.873 | 63 | 610141 | 189.019 | ug/L | 97 |
| 57) Dibromomethane | 7.013 | 93 | 456473 | 192.560 | ug/L # | 74 |
| 58) 1,4-Dioxane | 7.098 | 88 | 243706 | 4098.043 | ug/L | 80 |
| 59) Methyl Methacrylate | 7.123 | 69 | 577558 | 197.000 | ug/L # | 83 |
| 60) Bromodichloromethane | 7.257 | 83 | 945498 | 189.907 | ug/L | 97 |
| 61) 2-Nitropropane | 7.556 | 41 | 523426 | 413.823 | ug/L | 99 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 374209 | 180.926 | ug/L | 93 |
| 63) cis-1,3-Dichloropropene | 7.812 | 75 | 1075357 | 193.538 | ug/L | 93 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 822883 | 199.737 | ug/L | 95 |
| 66) Toluene | 8.177 | 91 | 2775776 | 195.938 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 1036124 | 201.578 | ug/L | 97 |
| 68) Ethyl Methacrylate | 8.616 | 69 | 1047356 | 180.839 | ug/L | 88 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 654560 | 193.056 | ug/L | 95 |
| 72) Tetrachloroethene | 8.775 | 164 | 614669 | 195.300 | ug/L | 93 |
| 73) 2-Hexanone | 8.964 | 43 | 625294 | 201.930 | ug/L | 92 |
| 74) 1,3-Dichloropropene | 8.824 | 76 | 1056525 | 189.718 | ug/L | 91 |
| 75) Dibromochloromethane | 9.049 | 129 | 842353 | 181.701 | ug/L | 99 |
| 76) N-Butyl Acetate | 9.116 | 43 | 1243104 | 201.700 | ug/L | 94 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 720210 | 194.944 | ug/L | 99 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 1191180 | 208.340 | ug/L | 97 |
| 79) Chlorobenzene | 9.647 | 112 | 1906774 | 197.096 | ug/L | 94 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 1042178 | 202.534 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 767033 | 198.692 | ug/L | 99 |
| 82) Ethylbenzene | 9.775 | 106 | 981957 | 194.916 | ug/L # | 81 |
| 83) (m+p)Xylene | 9.884 | 106 | 2540241 | 403.642 | ug/L # | 85 |
| 84) o-Xylene | 10.244 | 106 | 1245266 | 201.457 | ug/L | 92 |
| 85) Styrene | 10.262 | 104 | 2171184 | 207.227 | ug/L | 94 |
| 86) Bromoform | 10.409 | 173 | 690007 | 220.195 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.500 | 180 | 1150300 | 205.901 | ug/L | 90 |
| 88) Isopropylbenzene | 10.585 | 105 | 3011915 | 197.901 | ug/L | 98 |
| 89) Cyclohexanone | 10.659 | 55 | 3249378 | 4225.088 | ug/L | 97 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 314739 | 210.031 | ug/L | 86 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 988799 | 192.071 | ug/L | 96 |
| 93) Bromobenzene | 10.829 | 156 | 951860 | 195.120 | ug/L # | 74 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 326137 | 183.096 | ug/L # | 86 |
| 95) n-Propylbenzene | 10.945 | 91 | 3608920 | 187.523 | ug/L | 95 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 2170997 | 186.227 | ug/L | 95 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 2226968 | 186.574 | ug/L | 93 |
| 98) 4-Chlorotoluene | 11.098 | 91 | 2627452 | 184.974 | ug/L | 94 |
| 99) 1,3,5-Trimethylbenzene | 11.098 | 105 | 2825620 | 190.366 | ug/L | 94 |
| 100) tert-Butylbenzene | 11.366 | 119 | 2402286 | 190.362 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.409 | 105 | 2744650 | 191.986 | ug/L | 95 |
| 102) 3,4-Dichlorobenzotrifl... | 11.476 | 214 | 982638 | 204.451 | ug/L | 98 |
| 103) sec-Butylbenzene | 11.549 | 105 | 3415517 | 189.274 | ug/L | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4267.D
 Acq On : 04 Aug 2023 07:28 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : WATER ICAL
 ALS Vial : 9 Sample Multiplier: 1

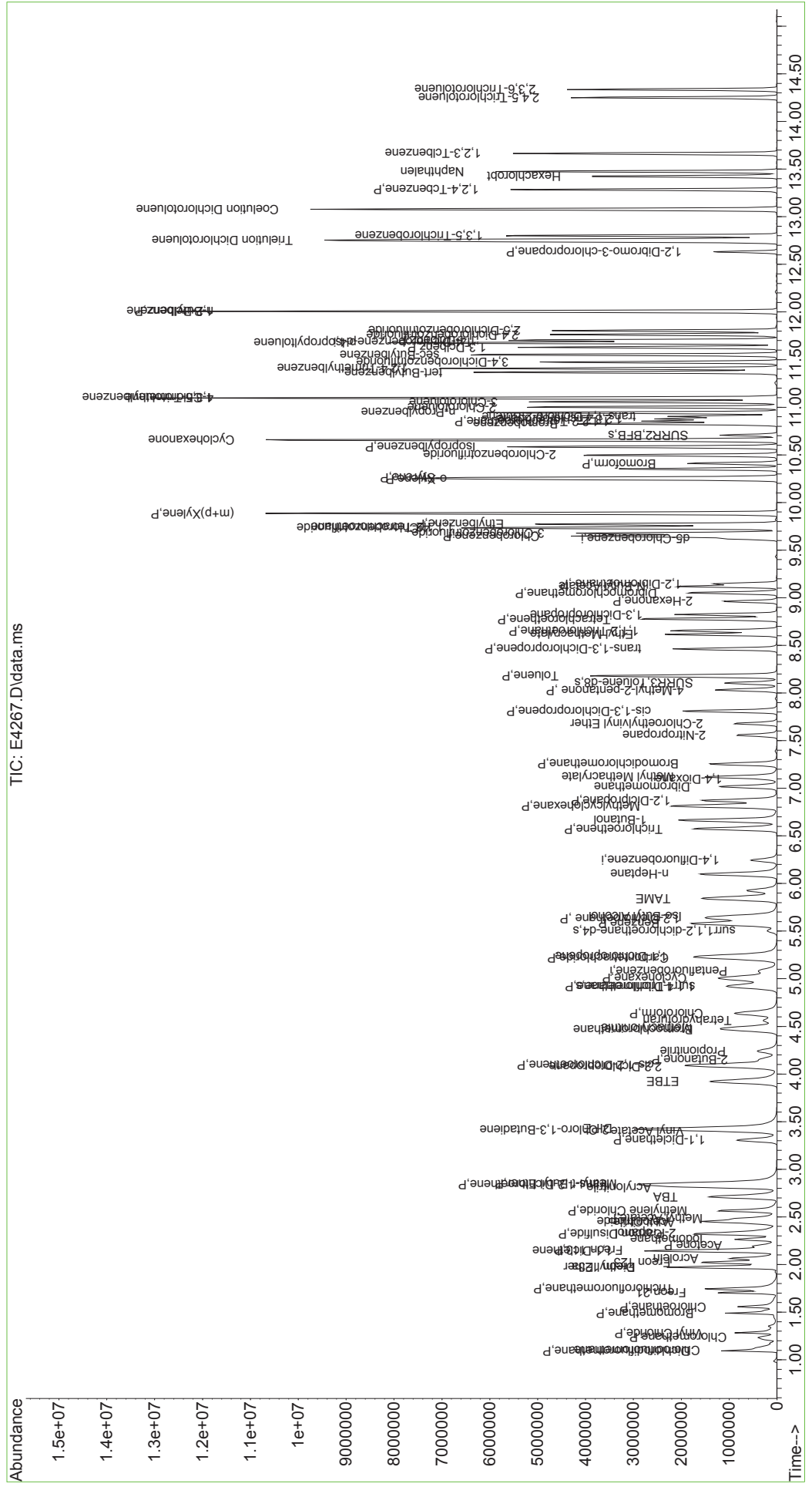
Quant Time: Aug 05 09:35:55 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 104) p-Isopropyltoluene | 11.677 | 119 | 3078779 | 194.308 | ug/L | 94 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 1685610 | 190.570 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 1728019 | 190.884 | ug/L | 97 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 907529 | 210.873 | ug/L | 97 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 954498 | 200.195 | ug/L | 98 |
| 109) n-Butylbenzene | 12.006 | 91 | 2792134 | 205.076 | ug/L | 94 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 1691357 | 195.240 | ug/L | 97 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 298610 | 210.059 | ug/L # | 85 |
| 112) Trielution Dichlorotol... | 12.756 | 125 | 4392725 | 593.700 | ug/L | 92 |
| 113) 1,3,5-Trichlorobenzene | 12.805 | 180 | 1288114 | 198.138 | ug/L | 95 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 3102990 | 396.779 | ug/L | 94 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 1329133 | 202.745 | ug/L | 98 |
| 116) Hexachlorobt | 13.426 | 225 | 594249 | 194.445 | ug/L | 100 |
| 117) Naphthalen | 13.475 | 128 | 3360940 | 206.723 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 1295274 | 203.922 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 873086 | 210.968 | ug/L | 99 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 798386 | 206.489 | ug/L | 98 |

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

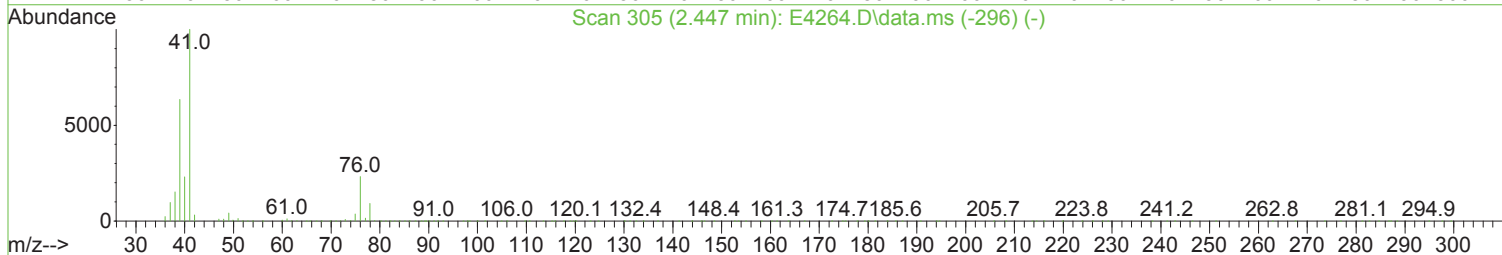
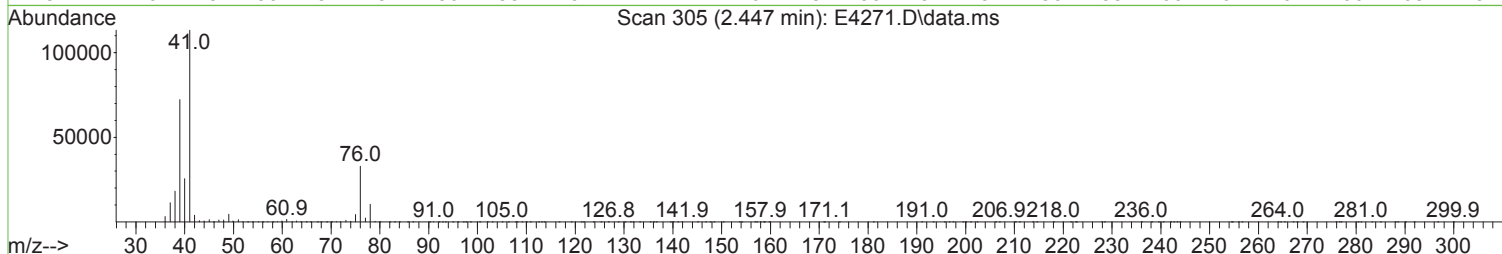
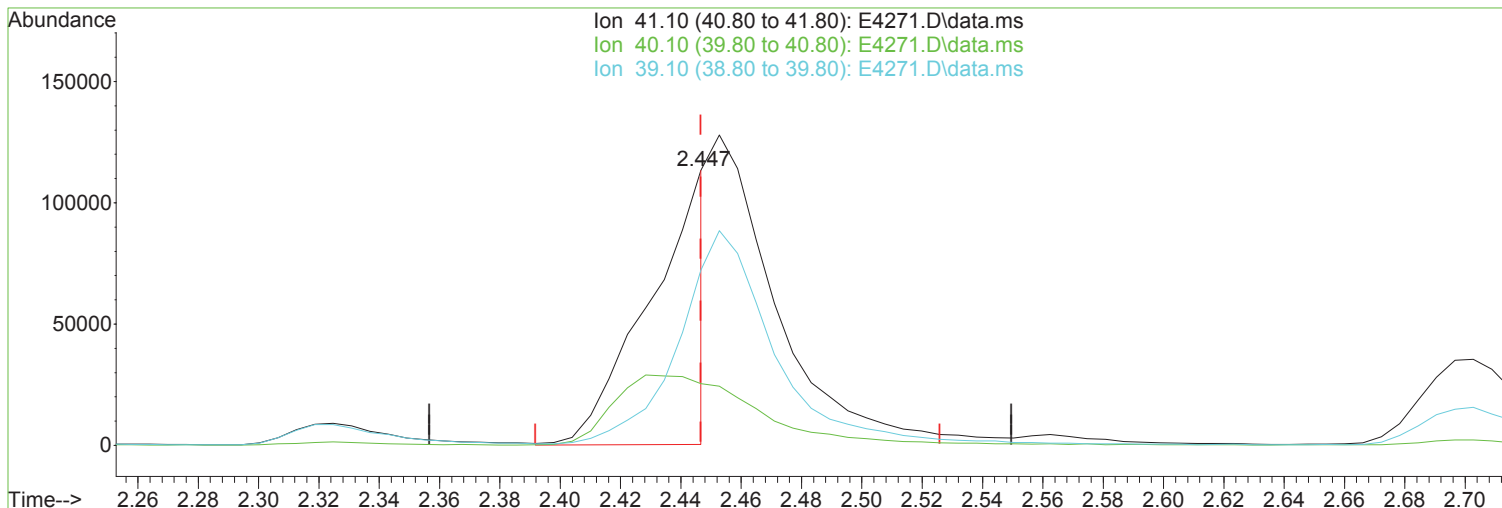
Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4267.D
 Acq On : 04 Aug 2023 07:28 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : WATER ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 09:32:46 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.447min (0.000) 251.00 ug/L m

After

response 151753

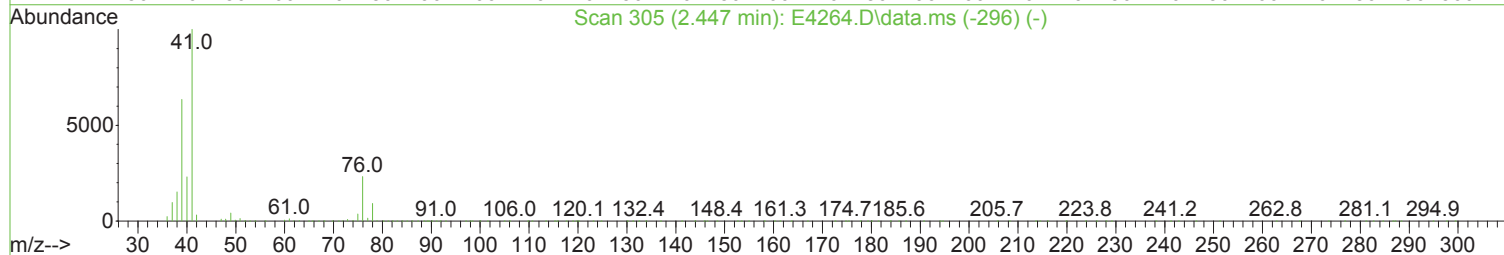
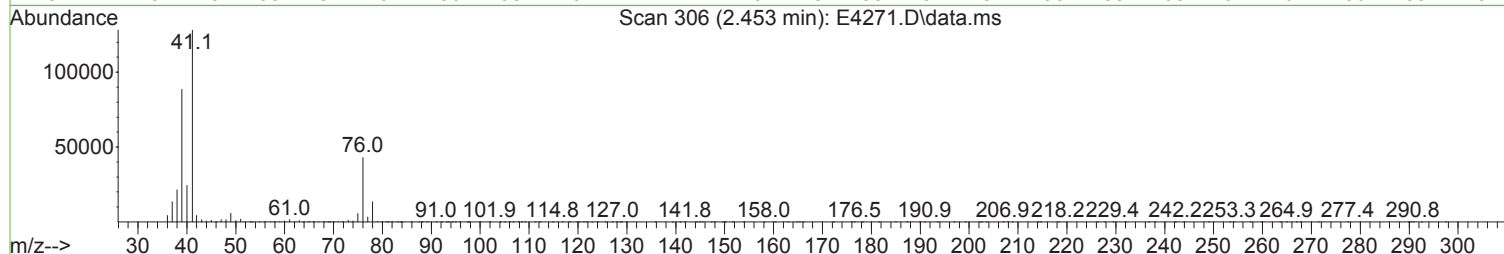
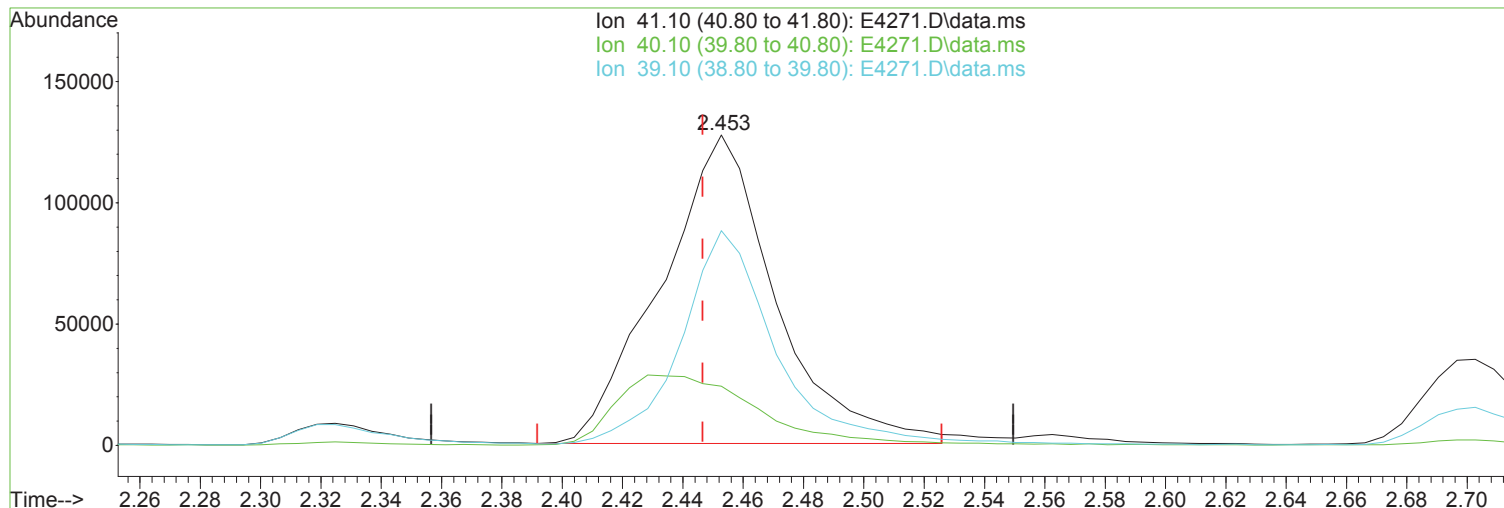
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 22.49 |
| 39.10 | 63.60 | 63.74 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 557.21 ug/L

Before

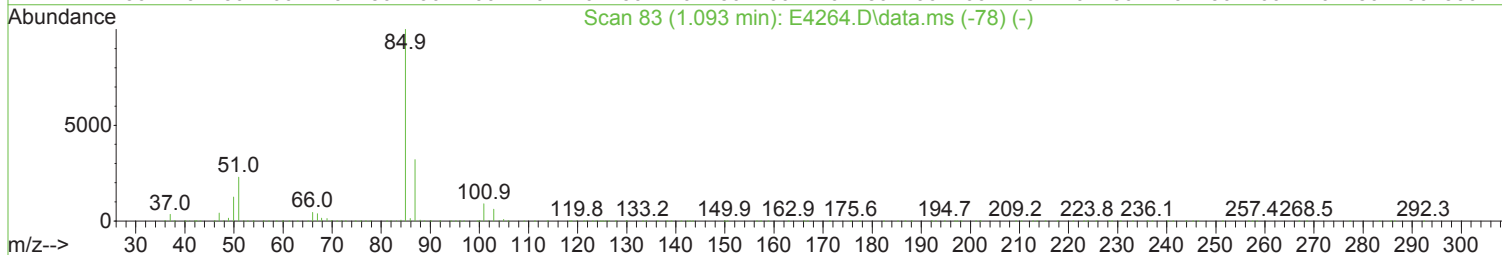
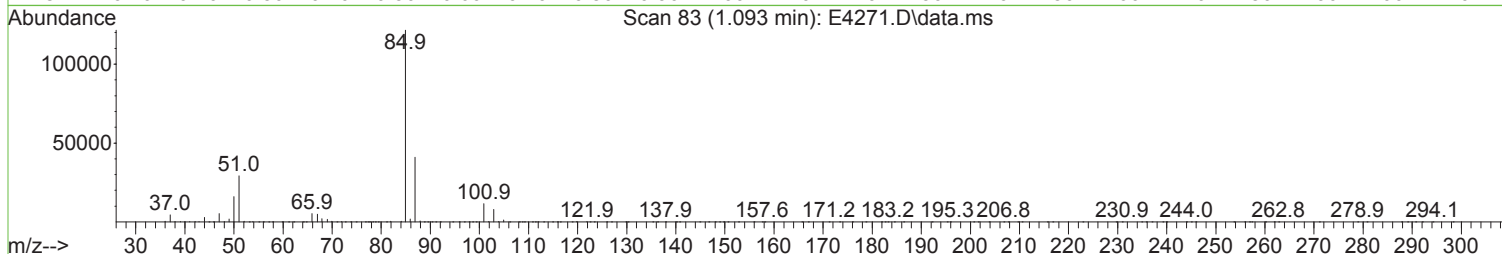
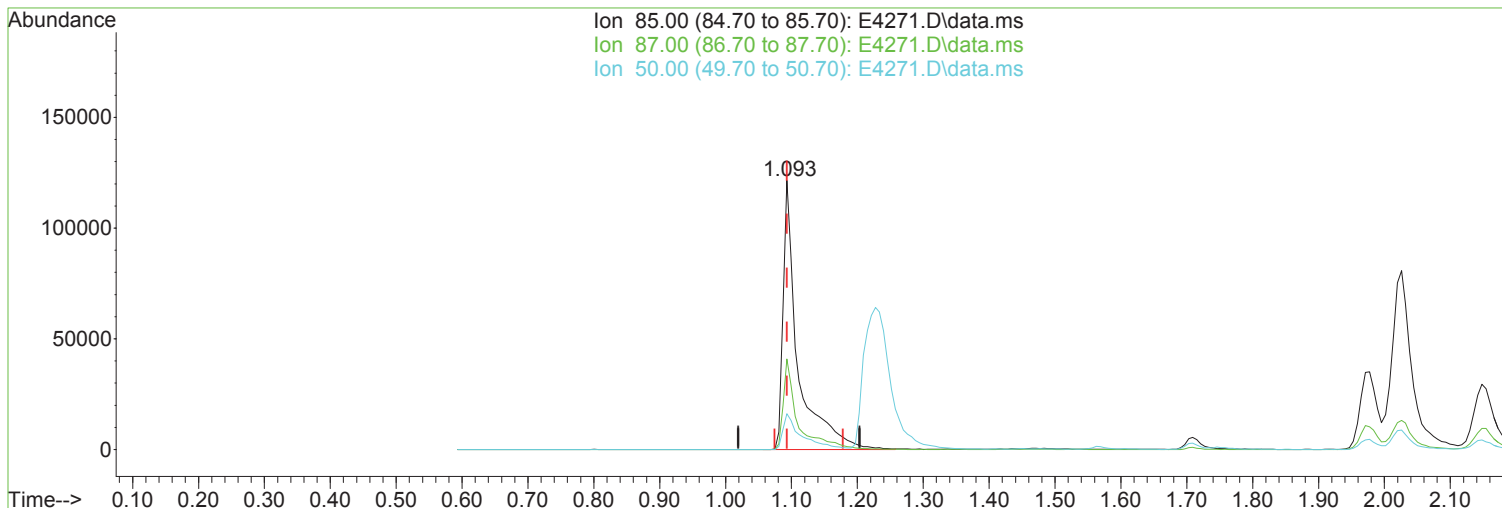
response 336894

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 19.07 |
| 39.10 | 63.60 | 69.13 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
 Data File : E4271.D
 Acq On : 04 Aug 2023 09:00 pm
 Operator : K.Ruest
 Sample : ICV-50
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 43.70 ug/L m

response 191147

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 33.68 |
| 50.00 | 12.60 | 13.26 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

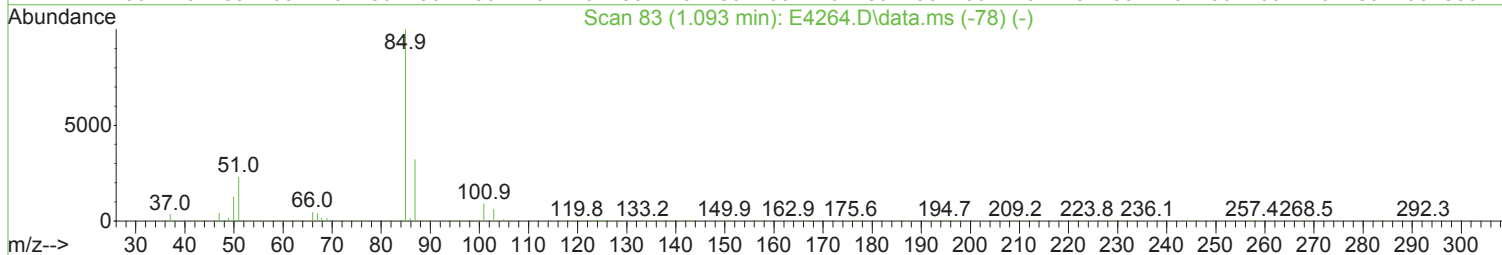
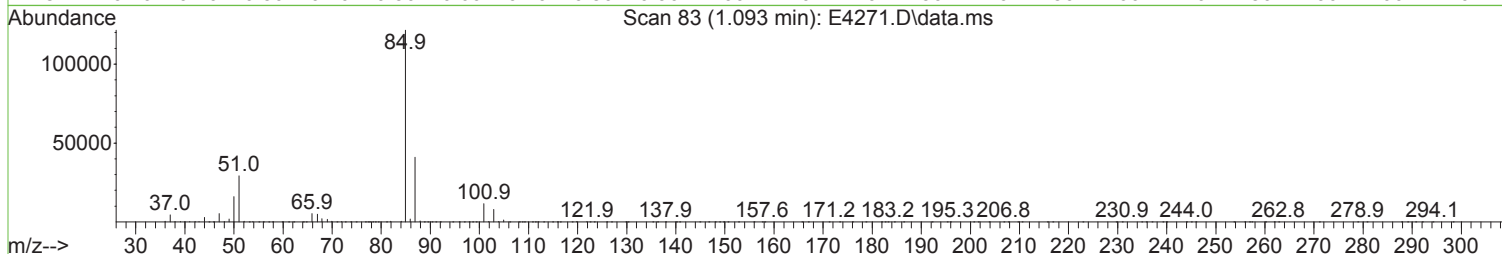
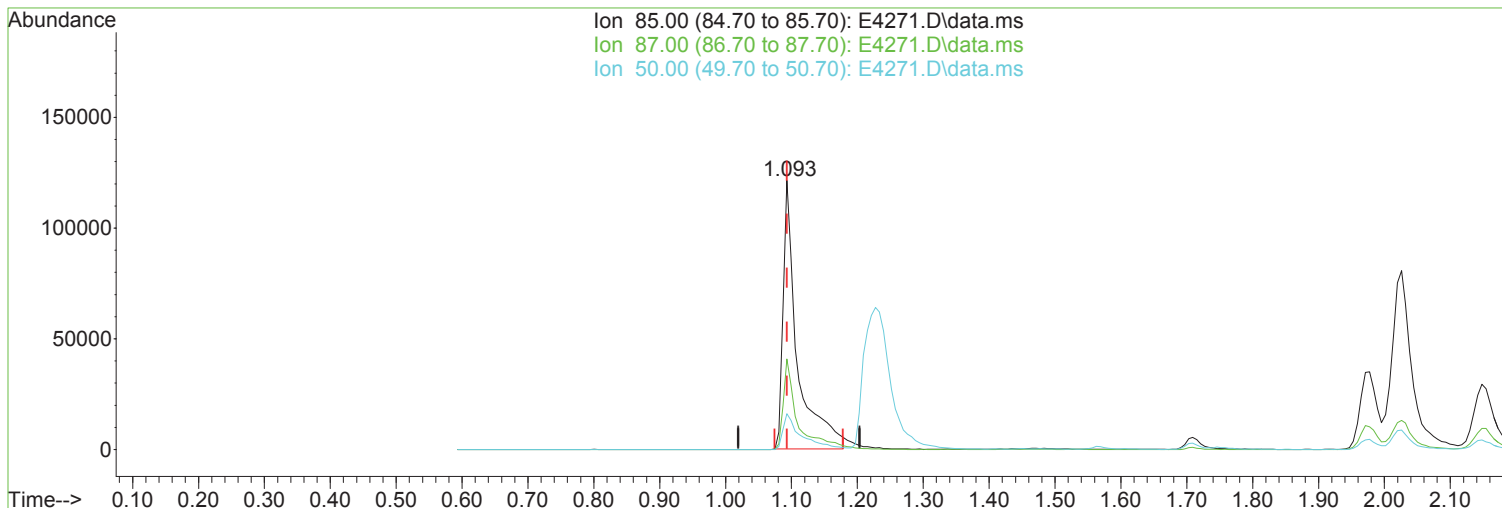
After

Poor integration.

08/05/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 41.69 ug/L

Before

response 182378

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 33.68 |
| 50.00 | 12.60 | 13.26 |
| 0.00 | 0.00 | 0.00 |

08/05/23

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|---|------------------|
| 01 | RC2300106-01 | 0.5ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4259.D | 08/04/2023 16:24 |
| 02 | RC2300106-02 | 1.0ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4260.D | 08/04/2023 16:47 |
| 03 | RC2300106-03 | 2.0ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4261.D | 08/04/2023 17:10 |
| 04 | RC2300106-04 | 5.0ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4262.D | 08/04/2023 17:32 |
| 05 | RC2300106-05 | 20ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4263.D | 08/04/2023 17:56 |
| 06 | RC2300106-06 | 50ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4264.D | 08/04/2023 18:19 |
| 07 | RC2300106-07 | 100ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4265.D | 08/04/2023 18:42 |
| 08 | RC2300106-08 | 150ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4266.D | 08/04/2023 19:05 |
| 09 | RC2300106-09 | 200ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4267.D | 08/04/2023 19:28 |

Analyte

1,1,1-Trichloroethane (TCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.7664 | 02 | 1.000 | 0.7547 | 03 | 2.000 | 0.7739 | 04 | 5.000 | 0.7454 |
| 05 | 20.000 | 0.5893 | 06 | 50.000 | 0.6468 | 07 | 100.000 | 0.6948 | 08 | 150.000 | 0.6999 |
| 09 | 200.000 | 0.661 | | | | | | | | | |

1,1-Dichloroethane (1,1-DCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.6869 | 02 | 1.000 | 0.7315 | 03 | 2.000 | 0.7302 | 04 | 5.000 | 0.7164 |
| 05 | 20.000 | 0.6146 | 06 | 50.000 | 0.6476 | 07 | 100.000 | 0.6773 | 08 | 150.000 | 0.6855 |
| 09 | 200.000 | 0.6554 | | | | | | | | | |

1,1-Dichloroethene (1,1-DCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.4615 | 02 | 1.000 | 0.4135 | 03 | 2.000 | 0.3989 | 04 | 5.000 | 0.3859 |
| 05 | 20.000 | 0.3187 | 06 | 50.000 | 0.3378 | 07 | 100.000 | 0.3654 | 08 | 150.000 | 0.3744 |
| 09 | 200.000 | 0.3567 | | | | | | | | | |

4-Bromofluorobenzene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.4697 | 05 | 20.000 | 0.4053 | 06 | 50.000 | 0.4523 | 07 | 100.000 | 0.4877 |
| 08 | 200.000 | 0.4763 | | | | | | | | | |

Dibromofluoromethane

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.3464 | 05 | 20.000 | 0.3003 | 06 | 50.000 | 0.3376 | 07 | 100.000 | 0.3444 |
| 08 | 200.000 | 0.3246 | | | | | | | | | |

Tetrachloroethene (PCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.3473 | 02 | 1.000 | 0.3729 | 03 | 2.000 | 0.3207 | 04 | 5.000 | 0.3203 |
| 05 | 20.000 | 0.2381 | 06 | 50.000 | 0.2612 | 07 | 100.000 | 0.2873 | 08 | 150.000 | 0.2872 |
| 09 | 200.000 | 0.2964 | | | | | | | | | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

Analyte

Toluene-d8

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|-------|----|--------|-------|----|--------|-------|----|---------|-------|
| 04 | 10.000 | 1.273 | 05 | 20.000 | 1.088 | 06 | 50.000 | 1.211 | 07 | 100.000 | 1.246 |
| 08 | 200.000 | 1.196 | | | | | | | | | |

Trichloroethene (TCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.4006 | 02 | 1.000 | 0.3725 | 03 | 2.000 | 0.3482 | 04 | 5.000 | 0.3522 |
| 05 | 20.000 | 0.2765 | 06 | 50.000 | 0.3056 | 07 | 100.000 | 0.3259 | 08 | 150.000 | 0.3279 |
| 09 | 200.000 | 0.3206 | | | | | | | | | |

Vinyl Chloride

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.7342 | 02 | 1.000 | 0.5681 | 03 | 2.000 | 0.5514 | 04 | 5.000 | 0.5657 |
| 05 | 20.000 | 0.4852 | 06 | 50.000 | 0.5039 | 07 | 100.000 | 0.5254 | 08 | 150.000 | 0.5122 |
| 09 | 200.000 | 0.5146 | | | | | | | | | |

cis-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.5419 | 02 | 1.000 | 0.5098 | 03 | 2.000 | 0.5189 | 04 | 5.000 | 0.4948 |
| 05 | 20.000 | 0.4126 | 06 | 50.000 | 0.4286 | 07 | 100.000 | 0.4475 | 08 | 150.000 | 0.4532 |
| 09 | 200.000 | 0.4355 | | | | | | | | | |

trans-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.5467 | 02 | 1.000 | 0.5006 | 03 | 2.000 | 0.4347 | 04 | 5.000 | 0.4394 |
| 05 | 20.000 | 0.352 | 06 | 50.000 | 0.3772 | 07 | 100.000 | 0.4048 | 08 | 150.000 | 0.4142 |
| 09 | 200.000 | 0.4004 | | | | | | | | | |

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

| 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 | 8.9 | ≤20 | 0.7036 | 0.100 |
| 1,1-Dichloroethane (1,1-DCA) | TRG | Average RF | % RSD | 5.8 | ≤20 | 0.6828 | 0.200 |
| 1,1-Dichloroethene (1,1-DCE) | TRG | Average RF | % RSD | 11.2 | ≤20 | 0.3792 | 0.100 |
| 4-Bromofluorobenzene | SURR | Average RF | % RSD | 7.0 | ≤20 | 0.4583 | |
| Dibromofluoromethane | SURR | Average RF | % RSD | 5.8 | ≤20 | 0.3307 | |
| Tetrachloroethene (PCE) | TRG | Average RF | % RSD | 13.8 | ≤20 | 0.3035 | 0.200 |
| Toluene-d8 | SURR | Average RF | % RSD | 5.9 | ≤20 | 1.203 | |
| Trichloroethene (TCE) | TRG | Average RF | % RSD | 10.9 | ≤20 | 0.3367 | 0.200 |
| Vinyl Chloride | TRG | Average RF | % RSD | 13.5 | ≤20 | 0.5512 | 0.100 |
| cis-1,2-Dichloroethene | TRG | Average RF | % RSD | 9.7 | ≤20 | 0.4714 | 0.100 |
| trans-1,2-Dichloroethene | TRG | Average RF | % RSD | 14.1 | ≤20 | 0.43 | 0.100 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|--|------------------|
| 10 | RC2300106-10 | ICV-50 | I:\ACQDATA\MSVOA17\Data\080423\E4271.D | 08/04/2023 21:00 |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|----------|--------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 50.2 | 7.036E-1 | 7.068E-1 | 0.466 | ±30 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 50.8 | 6.828E-1 | 6.935E-1 | 1.56 | ±30 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 48.6 | 3.792E-1 | 3.687E-1 | -2.763 | ±30 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 50.2 | 3.035E-1 | 3.046E-1 | 0.367 | ±30 | Average RF |
| Trichloroethene (TCE) | 50.0 | 51.3 | 3.367E-1 | 3.454E-1 | 2.59 | ±30 | Average RF |
| Vinyl Chloride | 50.0 | 45.0 | 5.512E-1 | 4.964E-1 | -9.943 | ±30 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 49.0 | 4.714E-1 | 4.621E-1 | -1.981 | ±30 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 48.5 | 4.3E-1 | 4.174E-1 | -2.935 | ±30 | Average RF |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|----------------------|----------|--------|------------|----------|-------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 50.6 | 4.583E-1 | 4.635E-1 | 1.14 | ±30 | Average RF |
| Dibromofluoromethane | 50.0 | 51.1 | 3.307E-1 | 3.377E-1 | 2.13 | ±30 | Average RF |
| Toluene-d8 | 50.0 | 50.4 | 1.203E0 | 1.212E0 | 0.733 | ±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: R2308315
Date Analyzed: 09/13/23 23:10

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA17\Data\091323\E5439.D\
Signal ID: 1

Calibration Date: 8/4/2023
Calibration ID: RC2300106
Analysis Lot: 817084
Units: ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|--------|--------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 38.4 | 0.7036 | 0.5404 | -23.2* | NA | ±20 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 44.2 | 0.6828 | 0.6037 | -11.6 | NA | ±20 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 40.7 | 0.3792 | 0.3087 | -18.6 | NA | ±20 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 41.5 | 0.3035 | 0.2518 | -17.0 | NA | ±20 | Average RF |
| Trichloroethene (TCE) | 50.0 | 44.4 | 0.3367 | 0.2986 | -11.3 | NA | ±20 | Average RF |
| Vinyl Chloride | 50.0 | 40.4 | 0.5512 | 0.4452 | -19.2 | NA | ±20 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 42.0 | 0.4714 | 0.3961 | -16.0 | NA | ±20 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 40.6 | 0.43 | 0.3493 | -18.8 | NA | ±20 | Average RF |

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|----------------------|----------|--------|------------|--------|-----|---------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 50.4 | 0.4583 | 0.462 | 0.8 | NA | ±20 | Average RF |
| Dibromofluoromethane | 50.0 | 50.1 | 0.3307 | 0.3316 | 0.3 | NA | ±20 | Average RF |
| Toluene-d8 | 50.0 | 52.0 | 1.2028 | 1.2512 | 4.0 | NA | ±20 | Average RF |

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

Service Request: R2308315
Date Analyzed: 09/14/23 12:05

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS**

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA17\Data\091423\E5471.D\
Signal ID: 1

Calibration Date: 8/4/2023
Calibration ID: RC2300106
Analysis Lot: 817204
Units: ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|--------|-------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 40.6 | 0.7036 | 0.5716 | -18.8 | NA | ±20 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 47.0 | 0.6828 | 0.6417 | -6.0 | NA | ±20 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 43.2 | 0.3792 | 0.3279 | -13.5 | NA | ±20 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 44.9 | 0.3035 | 0.2728 | -10.1 | NA | ±20 | Average RF |
| Trichloroethene (TCE) | 50.0 | 44.7 | 0.3367 | 0.3008 | -10.6 | NA | ±20 | Average RF |
| Vinyl Chloride | 50.0 | 42.5 | 0.5512 | 0.4685 | -15.0 | NA | ±20 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 44.3 | 0.4714 | 0.4178 | -11.4 | NA | ±20 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 43.3 | 0.43 | 0.3728 | -13.3 | NA | ±20 | Average RF |

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|----------------------|----------|--------|------------|--------|------|---------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 47.1 | 0.4583 | 0.4313 | -5.9 | NA | ±20 | Average RF |
| Dibromofluoromethane | 50.0 | 48.9 | 0.3307 | 0.323 | -2.3 | NA | ±20 | Average RF |
| Toluene-d8 | 50.0 | 50.6 | 1.2028 | 1.2177 | 1.2 | NA | ±20 | Average RF |

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

Service Request:R2308315

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:817084
Instrument ID:R-MS-17

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|---|-------------------------------------|--------------|---------------|---------------|---|
| I:\ACQU\DATA\MSVOA17\Data\091323\E5438.D\ | ZZZZZZZ | ZZZZZZZ | 9/13/2023 | 22:47:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5439.D\ | Continuing Calibration Verification | RQ2311920-02 | 9/13/2023 | 23:10:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5440.D\ | Lab Control Sample | RQ2311920-03 | 9/13/2023 | 23:33:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5441.D\ | ZZZZZZZ | ZZZZZZZ | 9/13/2023 | 23:56:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5443.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 00:42:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5444.D\ | Method Blank | RQ2311920-06 | 9/14/2023 | 01:05:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5445.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 01:28:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5446.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 01:51:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5447.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 02:14:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5448.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 02:37:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5449.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 03:00:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5450.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 03:23:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5451.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 03:46:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5452.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 04:09:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5453.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 04:32:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5454.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 04:55:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5455.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 05:18:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5460.D\ | MW13-091123 | R2308315-003 | 9/14/2023 | 07:13:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5461.D\ | TMP-A-091123 | R2308315-004 | 9/14/2023 | 07:36:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5462.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 07:59:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5463.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 08:22:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5466.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 09:31:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091323\E5467.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 09:54:00 | |

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

Service Request:R2308315

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:817204
Instrument ID:R-MS-17

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|---|-------------------------------------|--------------|---------------|---------------|---|
| I:\ACQU\DATA\MSVOA17\Data\091423\E5470.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 11:30:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5471.D\ | Continuing Calibration Verification | RQ2311983-02 | 9/14/2023 | 12:05:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5472.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 12:37:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5473.D\ | Lab Control Sample | RQ2311983-04 | 9/14/2023 | 13:00:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5475.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 13:46:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5476.D\ | Method Blank | RQ2311983-06 | 9/14/2023 | 14:09:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5477.D\ | TB-091123 | R2308315-001 | 9/14/2023 | 15:05:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5478.D\ | FB-091123 | R2308315-012 | 9/14/2023 | 15:28:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5479.D\ | DMW-3-091123 | R2308315-007 | 9/14/2023 | 15:51:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5480.D\ | MW-10-091123 | R2308315-002 | 9/14/2023 | 16:14:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5481.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 16:37:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5483.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 17:23:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5484.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 17:46:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5486.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 18:32:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5487.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 18:55:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5488.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 19:18:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5489.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 19:41:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5490.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 20:04:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5491.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 20:27:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5492.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 20:50:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5494.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 21:36:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5495.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 21:59:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5496.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 22:22:00 | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2308315

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:817204
Instrument ID:R-MS-17

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|--|--------------------|-----------------|----------------------|----------------------|----------|
| I:\ACQUDATA\MSVOA17\Data\091423\E5497.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 22:45:00 | |
| I:\ACQUDATA\MSVOA17\Data\091423\E5498.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 23:08:00 | |
| I:\ACQUDATA\MSVOA17\Data\091423\E5499.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 23:31:00 | |
| I:\ACQUDATA\MSVOA17\Data\091423\E5500.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 23:54:00 | |

Analysis: 520 Waters Analyst: W. West pH strips: 288222
 Date: 9/14/23 Balance ID: N/A ResCl strips: N/A Run Method: W080423
 Instr: 17 50 mL Class A used for dilution FV Syringes: 23174 LIMS Run#: 817204

Data Path: j:\acquadat\msvoa\InstID\Date

| Pos. | Sample | Diln. | Diln. Prepr | RL | Vial | HS | CI | pH | File# | OK? | Comments |
|------|---------------|-------|-----------------------|------|------|----|-----|----|-------|-----|------------------------------|
| 1 | spont. cv | | | | | | | | ES409 | | |
| 2 | TUNE | | P03031983.01 | | | | | | ES470 | Y | (void spike) (11:30) |
| 1 | CV | | | | | | | | ES471 | YC | + YF (void spike) (12:05) YF |
| 1 | LC5. uimp | | | | | | | | ES472 | YR | |
| 2 | LC5. FP | | | | | | | | ES473 | YR | |
| 3 | BVL | | | | | | | | ES474 | YR | |
| 4 | MBL. uimp | | | | | | | | ES475 | YR | note 4/6 |
| 5 | MBL. mB | | | | | | | | ES476 | YR | |
| 1 | P2308315.001 | 1:0 | | 6446 | 1 | N | N/A | 22 | ES477 | Y | |
| 2 | | 012 | | | | | | | ES478 | Y | |
| 3 | | 007 | | | 1 | | | | ES479 | Y | |
| 4 | | 002 | | | 2 | | | | ES480 | Y | |
| 5 | (P) 008 011 | 1:0 | | | 2 | | | | ES481 | Y | |
| 6 | | 011 | | | 2 | | | | ES482 | Y | |
| 7 | | 009 | 2:0 | | 2 | | | | ES483 | Y | |
| 8 | P2308357.001 | 1:0 | (5/50mL) P2308072.001 | 1713 | 3 | | | 22 | ES484 | Y | RRS u ↓ |
| 9 | BVL | | | | | | | | ES485 | Y | (comp due to sediment) |
| 10 | P23082402.010 | 1:0 | | 8997 | 2 | N | N/A | 22 | ES486 | Y | |
| 11 | | 019 | | | 2 | | | | ES487 | Y | |
| 12 | | 005 | 2:5 | | 2 | | | | ES488 | Y | |
| 13 | | 008 | 1:00 | | 2 | | | | ES489 | Y | |
| 14 | | 009 | 1:00 | | 2 | | | | ES490 | Y | |
| 15 | | 017 | 1:0 | | 4 | | | | ES491 | Y | |
| 16 | | 016 | 2:5 | | 2 | | | | ES492 | Y | |
| 17 | BVL | | | | | | | | ES493 | Y | |
| 18 | P23082400.002 | 1:0 | | 8997 | 1 | N | N/A | 22 | ES494 | Y | |
| 19 | | 004 | | | 1 | | | | ES495 | Y | |
| 20 | | 005 | 1:0 | | 1 | | | | ES496 | Y | |
| 21 | | 001 | 5:0 | | 1 | | | | ES497 | Y | |
| 22 | P2308315.011 | 1:0 | | 2578 | 2 | | | 22 | ES498 | Y | |
| 23 | P23082403.017 | 1:0 | | 8467 | 2 | | | 22 | ES499 | Y | |
| 24 | | 017 | 1:0 | | 3 | | | 22 | ES500 | Y | |

All samples = 5 mL + 5 mL combined IS/

5 mL purged

810.8mL

Combined IS/Surr:

Surrogate SD: 230971
Internal Std SD: 230973

Primary OC: 231254
 Primary FR: 231173
 Primary T6: 230908
 Primary W4: 231248
 Primary 23b: 230450

5mL → 50mL
= CV

20D Secondary FR
 50D Secondary OC
 Secondary W4
 Secondary T6
 Secondary 386

231248
 231088
 231809
 230451

10mL
4.3mL

Reagents:

230971
230973

25) BVL
 ES502
 ES501

520

20D Secondary FR
 50D Secondary OC
 Secondary W4
 Secondary T6
 Secondary 386

231248
 231088
 231809
 230451

10mL
4.3mL

Reagents:

230971
230973

Analysis: 8260 water Analyst: Y. West pH strips: 23072 Tune Method: W060128
 Date: 9/13/23 - Run #2 Balance ID: 2/A ResCl strips: 2/A Run Method: 2
 Instr. 17 50 mL Class A used for dilution FV Syringes: 23174 LIMS Run#: 817084

| Pos. | Sample | Diln. | Diln. Prep./ | RL | Vial | HS | CI | pH | File# | OK? | Comments |
|------|--------------|-------|--------------|----|------|----|----|----|-------|-----|----------------------------|
| 28 | RUC | | | | | | | | ES437 | | |
| 29 | TUNE | | | | | | | | ES438 | | 22:47 (cont) |
| 30 | CV | | P231920.01 | | | | | | ES439 | | YC (cont) |
| 31 | LES-FP | | | | | | | | ES440 | | YC (cont) |
| 32 | LES-wmp | | | | | | | | ES441 | | YB |
| 33 | RUC | | | | | | | | ES442 | | AP10 |
| 34 | MBUL-wmp | | | | | | | | ES443 | | |
| 35 | MBUL-FD | | | | | | | | ES444 | | |
| 36 | P2308174.006 | 1.0 | | | | | | | ES445 | | |
| 37 | P2308505.001 | 1.0 | | | | | | | ES446 | | |
| 38 | | 1.0 | | | | | | | ES447 | | |
| 39 | | 1.0 | | | | | | | ES448 | | |
| 40 | | 1.0 | | | | | | | ES449 | | |
| 41 | | 1.0 | | | | | | | ES450 | | |
| 42 | | 1.0 | | | | | | | ES451 | | |
| 43 | | 1.0 | | | | | | | ES452 | | |
| 44 | | 1.0 | | | | | | | ES453 | | |
| 45 | | 1.0 | | | | | | | ES454 | | |
| 46 | P2308315.005 | 1.0 | | | | | | | ES455 | | 11TFA/H 2 vial comp.) |
| 47 | | 1.0 | | | | | | | ES456 | | |
| 48 | | 1.0 | | | | | | | ES457 | | rpt (2) |
| 49 | | 1.0 | | | | | | | ES458 | | 11TFA + TCE (out LLS (CW)) |
| 50 | | 1.0 | | | | | | | ES459 | | |
| 51 | | 1.0 | | | | | | | ES460 | | |
| 52 | | 1.0 | | | | | | | ES461 | | |
| 53 | | 1.0 | | | | | | | ES462 | | |
| 54 | | 1.0 | | | | | | | ES463 | | |
| 55 | RUC | | | | | | | | ES464 | | |
| 56 | P2308072.001 | 1.0 | | | | | | | ES465 | | NDT ID LTCE w/1 |
| 57 | P2308215.006 | 1.0 | | | | | | | ES466 | | purge |
| 58 | | 1.0 | | | | | | | ES467 | | 9:54V |
| 59 | RUC | | | | | | | | ES468 | | |

All samples = 5 ml + 5 ul combined IS/ 5 ml purged

230
 Primary OC : 231254
 Primary FC : 231173
 Primary TB : 230908
 Primary HX : 231208

230 Secondary FC : 230895
 230 Secondary OC : 231895
 230 Secondary HX : 231086
 Secondary TB : 231209

Combined IS/Surr :
 Surrogate (D) : 230971
 Internal Std (D) : 230973
 Reagents:

100 vials
 = LLS
 - 43 vials / 1 vial
 = 57 vials

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 13:05
Date Received: 09/12/23 07:35

Sample Name: MW9-091123
Lab Code: R2308315-005

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) | 0.28 J | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 05:18 | |
| Trichloroethene (TCE) | 0.91 J | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 05:18 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 05:18 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 09/14/23 05:18 | |
| Dibromofluoromethane | 92 | 80 - 116 | 09/14/23 05:18 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 05:18 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 13:20
Date Received: 09/12/23 07:35

Sample Name: MW16-091123
Lab Code: R2308315-006

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) | 2.3 J | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| 1,1-Dichloroethane (1,1-DCA) | 9.8 J | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| 1,1-Dichloroethene (1,1-DCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 09/14/23 07:59 | |
| Trichloroethene (TCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 09/14/23 07:59 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 09/14/23 07:59 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 09/14/23 07:59 | |
| Dibromofluoromethane | 92 | 80 - 116 | 09/14/23 07:59 | |
| Toluene-d8 | 102 | 87 - 121 | 09/14/23 07:59 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 15:40
Date Received: 09/12/23 07:35

Sample Name: MW17-091123
Lab Code: R2308315-008

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) | 1.0 | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| 1,1-Dichloroethane (1,1-DCA) | 8.3 | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 16:37 | |
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 09/14/23 16:37 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 16:37 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 16:37 | |
| Dibromofluoromethane | 96 | 80 - 116 | 09/14/23 16:37 | |
| Toluene-d8 | 105 | 87 - 121 | 09/14/23 16:37 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 15:55
Date Received: 09/12/23 07:35

Sample Name: MW8-091123
Lab Code: R2308315-009

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 J | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| 1,1-Dichloroethane (1,1-DCA) | 2.9 | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| 1,1-Dichloroethene (1,1-DCE) | 0.98 J | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| Tetrachloroethene (PCE) | 2.0 U | 2.0 | 0.42 | 2 | 09/14/23 17:23 | |
| Trichloroethene (TCE) | 160 | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| Vinyl Chloride | 2.0 U | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |
| cis-1,2-Dichloroethene | 100 | 2.0 | 0.46 | 2 | 09/14/23 17:23 | |
| trans-1,2-Dichloroethene | 2.0 U | 2.0 | 0.40 | 2 | 09/14/23 17:23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 87 | 85 - 122 | 09/14/23 17:23 | |
| Dibromofluoromethane | 91 | 80 - 116 | 09/14/23 17:23 | |
| Toluene-d8 | 99 | 87 - 121 | 09/14/23 17:23 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 16:30
Date Received: 09/12/23 07:35

Sample Name: MW11-091123
Lab Code: R2308315-010

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) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| 1,1-Dichloroethane (1,1-DCA) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| 1,1-Dichloroethene (1,1-DCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 09/14/23 08:22 | |
| Trichloroethene (TCE) | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 09/14/23 08:22 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 09/14/23 08:22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 91 | 85 - 122 | 09/14/23 08:22 | |
| Dibromofluoromethane | 95 | 80 - 116 | 09/14/23 08:22 | |
| Toluene-d8 | 103 | 87 - 121 | 09/14/23 08:22 | |

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2308315
Date Collected: 09/11/23 00:00
Date Received: 09/12/23 07:35

Sample Name: DUP-091123
Lab Code: R2308315-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

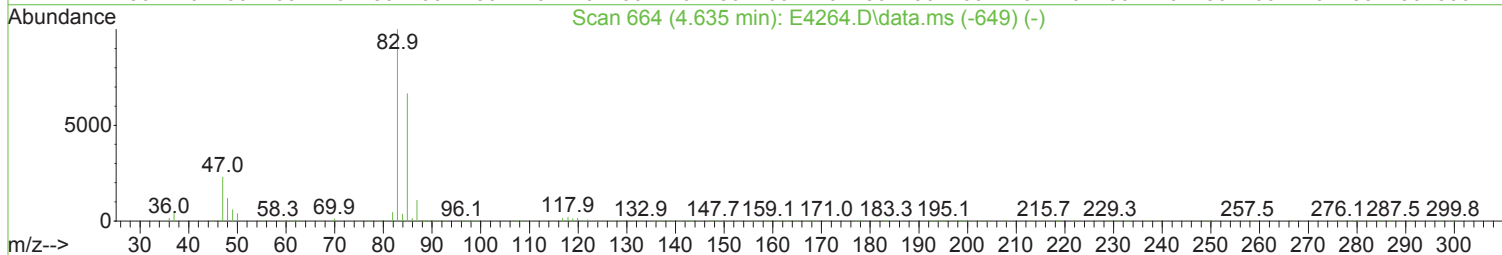
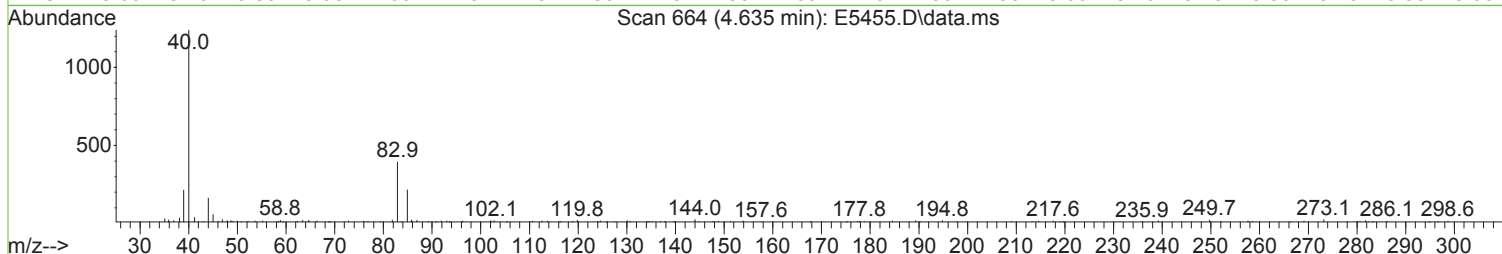
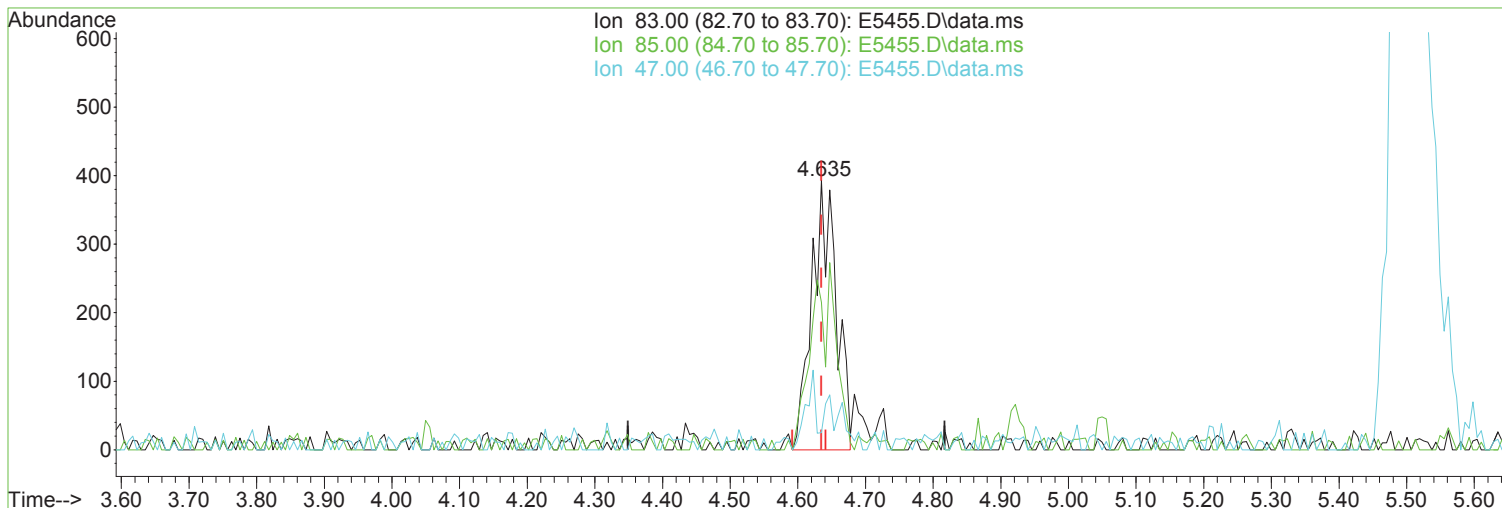
Analysis Method: 8260C
Prep Method: EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|------------------------------|------------|-----|------|------|----------------|---|
| 1,1,1-Trichloroethane (TCA) | 1.8 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| 1,1-Dichloroethane (1,1-DCA) | 3.1 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 09/14/23 23:08 | |
| Trichloroethene (TCE) | 140 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |
| cis-1,2-Dichloroethene | 85 | 1.0 | 0.23 | 1 | 09/14/23 23:08 | |
| trans-1,2-Dichloroethene | 2.9 | 1.0 | 0.20 | 1 | 09/14/23 23:08 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90 | 85 - 122 | 09/14/23 23:08 | |
| Dibromofluoromethane | 94 | 80 - 116 | 09/14/23 23:08 | |
| Toluene-d8 | 101 | 87 - 121 | 09/14/23 23:08 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5455.D
Acq On : 14 Sep 2023 05:18 am
Operator : K.Ruest
Sample : R2308315-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 09:48:13 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(40) Chloroform (P)

4.635min (-0.000) 0.16 ug/L m

response

984

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 66.50 | 54.71 |
| 47.00 | 23.10 | 6.36 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

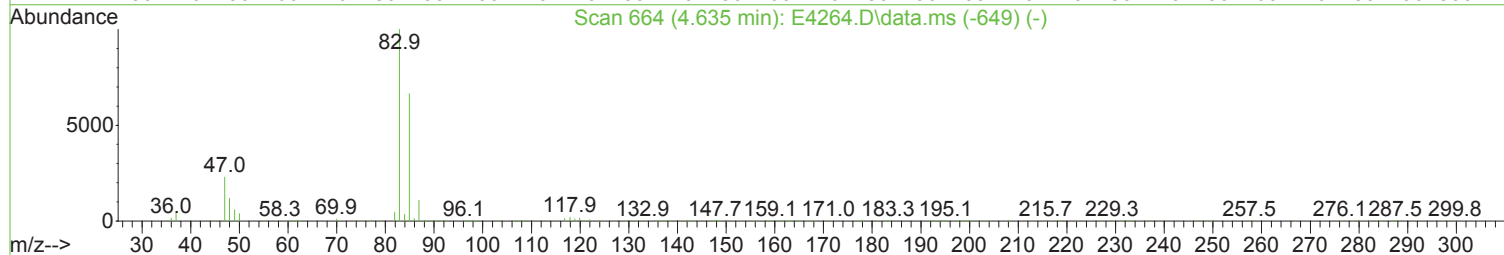
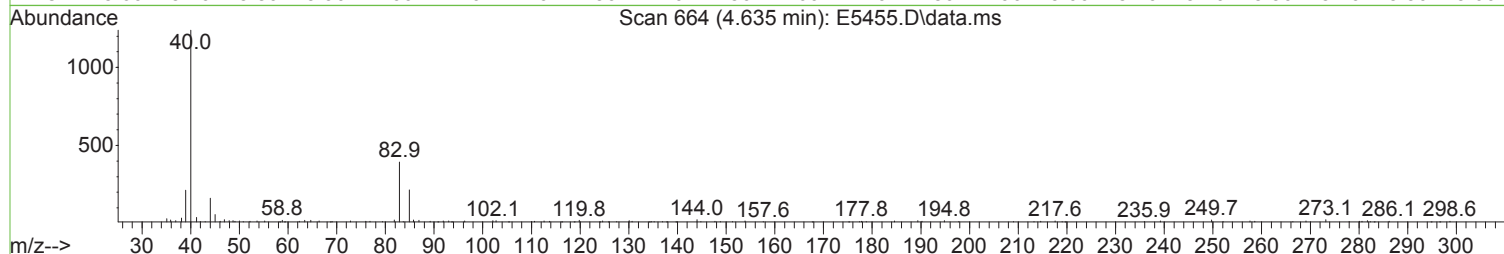
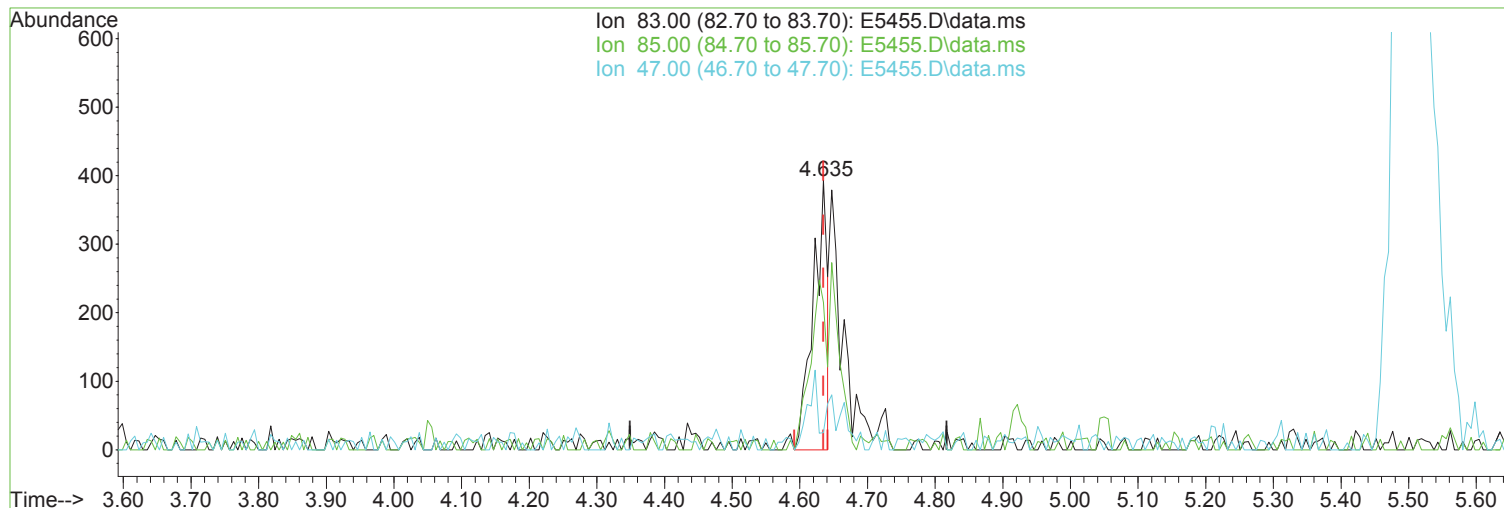
After

Split Peak.

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5455.D
Acq On : 14 Sep 2023 05:18 am
Operator : K.Ruest
Sample : R2308315-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 09:48:13 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(40) Chloroform (P)

Manual Integration:

4.635min (-0.000) 0.09 ug/L

Before

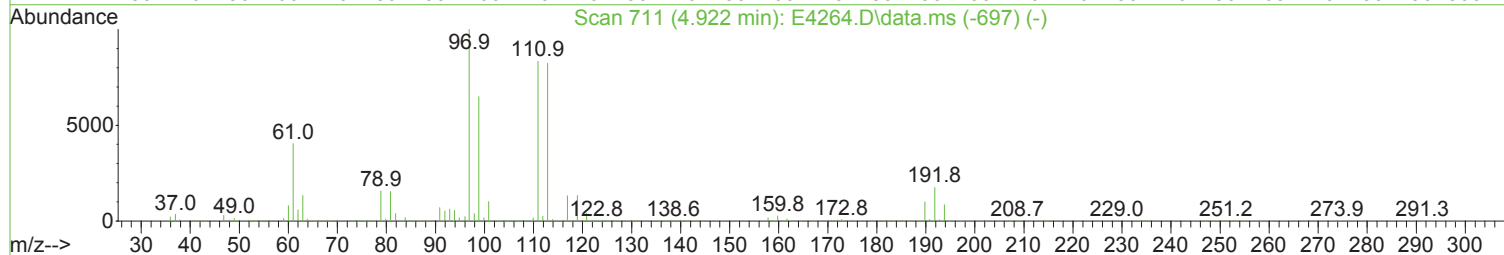
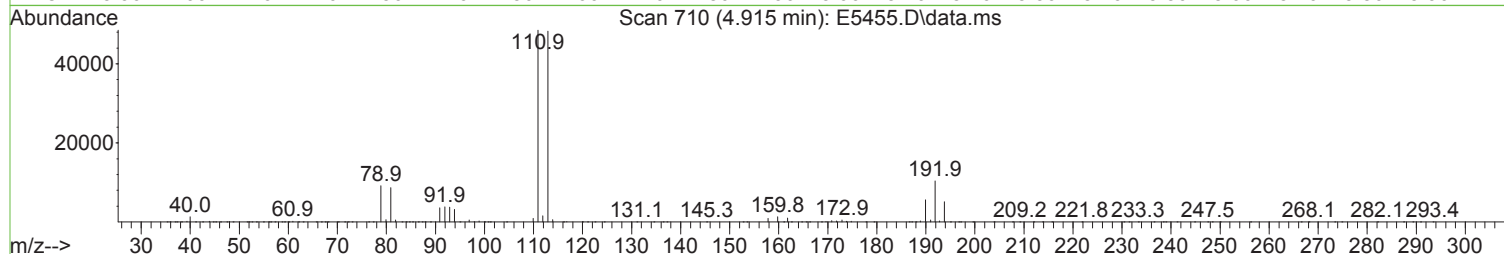
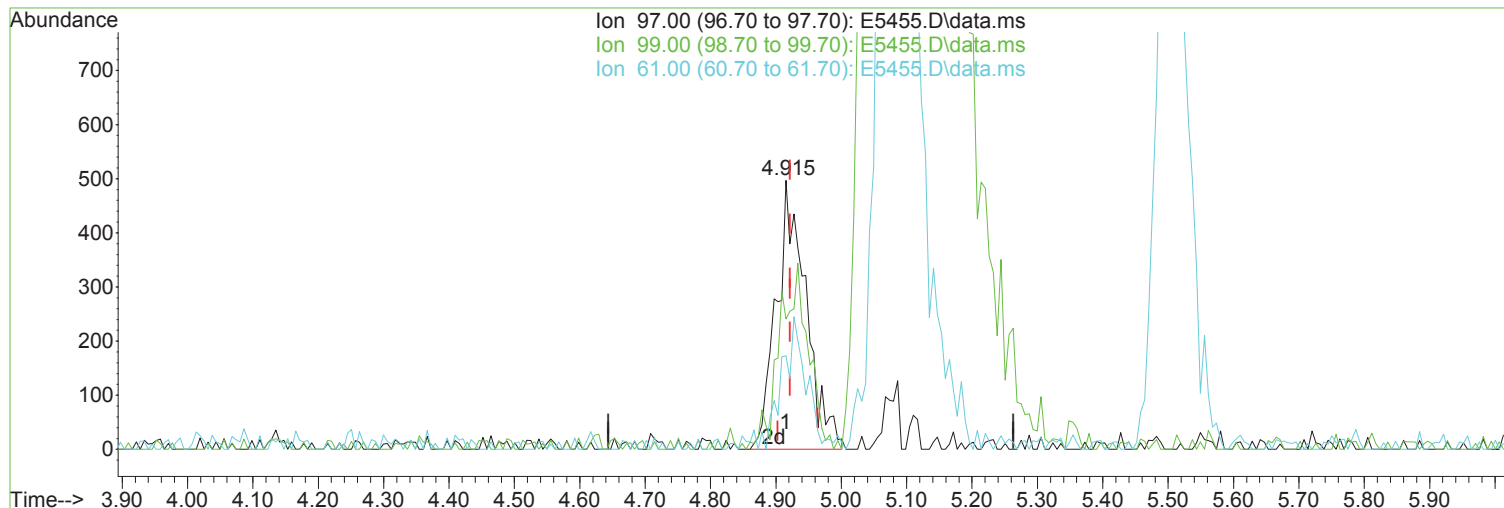
response 573

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 66.50 | 52.96 |
| 47.00 | 23.10 | 6.16 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5455.D
Acq On : 14 Sep 2023 05:18 am
Operator : K.Ruest
Sample : R2308315-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 09:48:13 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5455.D\data.ms

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

Manual Integration:

4.915min (-0.006) 0.28 ug/L m

After

response 1562

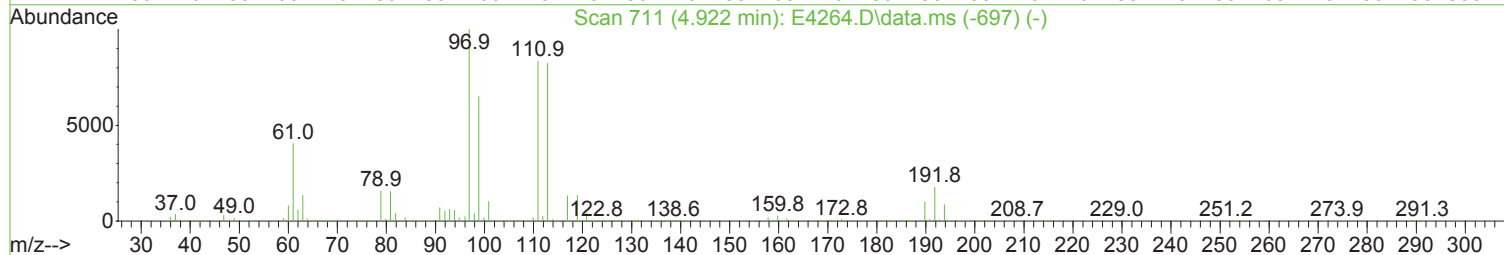
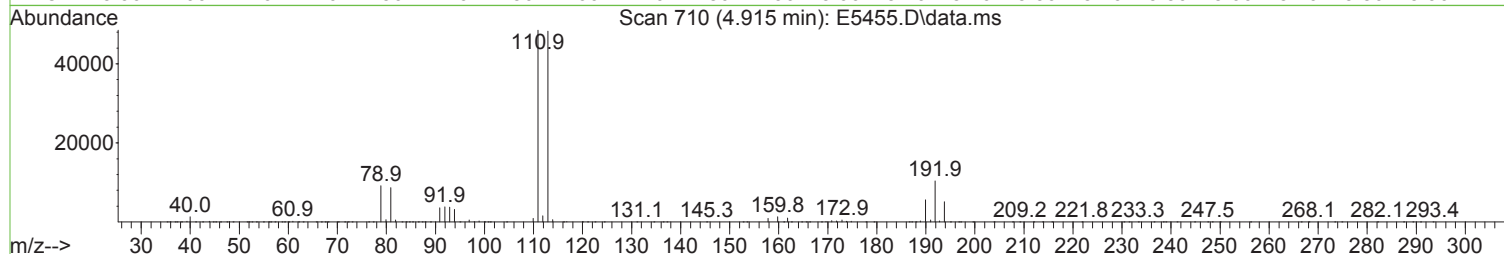
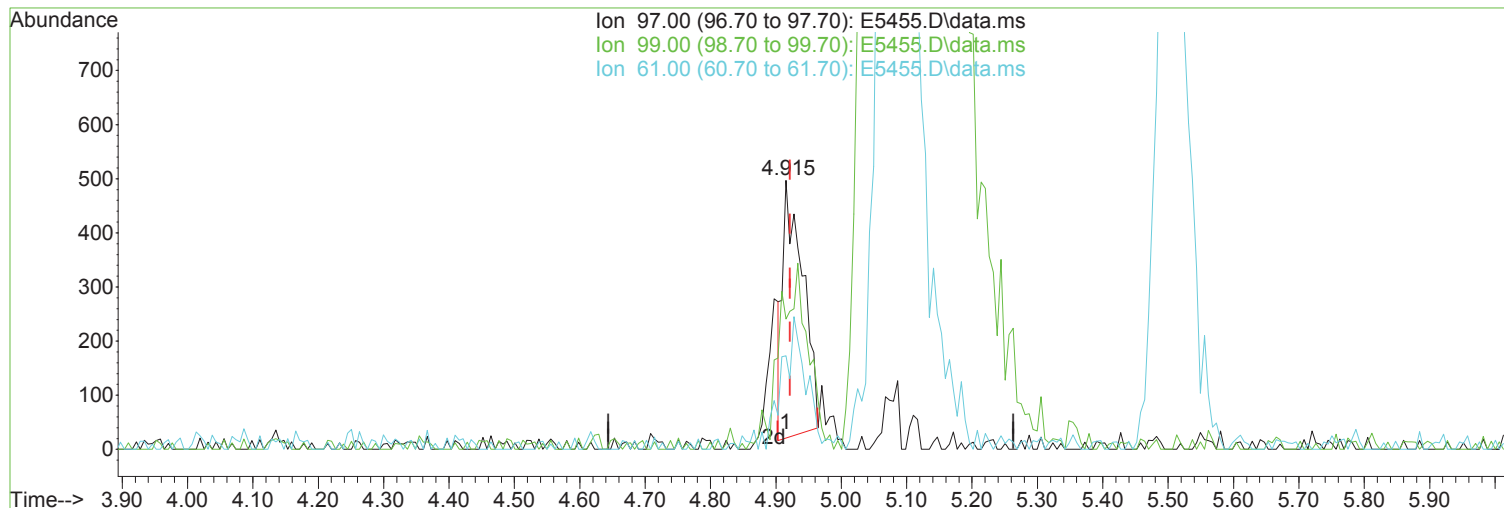
Split Peak.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 65.00 | 48.49 |
| 61.00 | 40.40 | 34.81 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5455.D
Acq On : 14 Sep 2023 05:18 am
Operator : K.Ruest
Sample : R2308315-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 09:48:13 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5455.D\data.ms

| | | | |
|--------------------------------|-----------|--------|---------------------|
| (41) 1,1,1-Trichloroethane (P) | | | Manual Integration: |
| 4.915min (-0.006) | 0.18 ug/L | | Before |
| response | 1001 | | |
| Ion | Exp% | Act% | 09/15/23 |
| 97.00 | 100.00 | 100.00 | |
| 99.00 | 65.00 | 48.49 | |
| 61.00 | 40.40 | 34.81 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5455.D
 Acq On : 14 Sep 2023 05:18 am
 Operator : K.Ruest
 Sample : R2308315-005|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 46 Sample Multiplier: 1

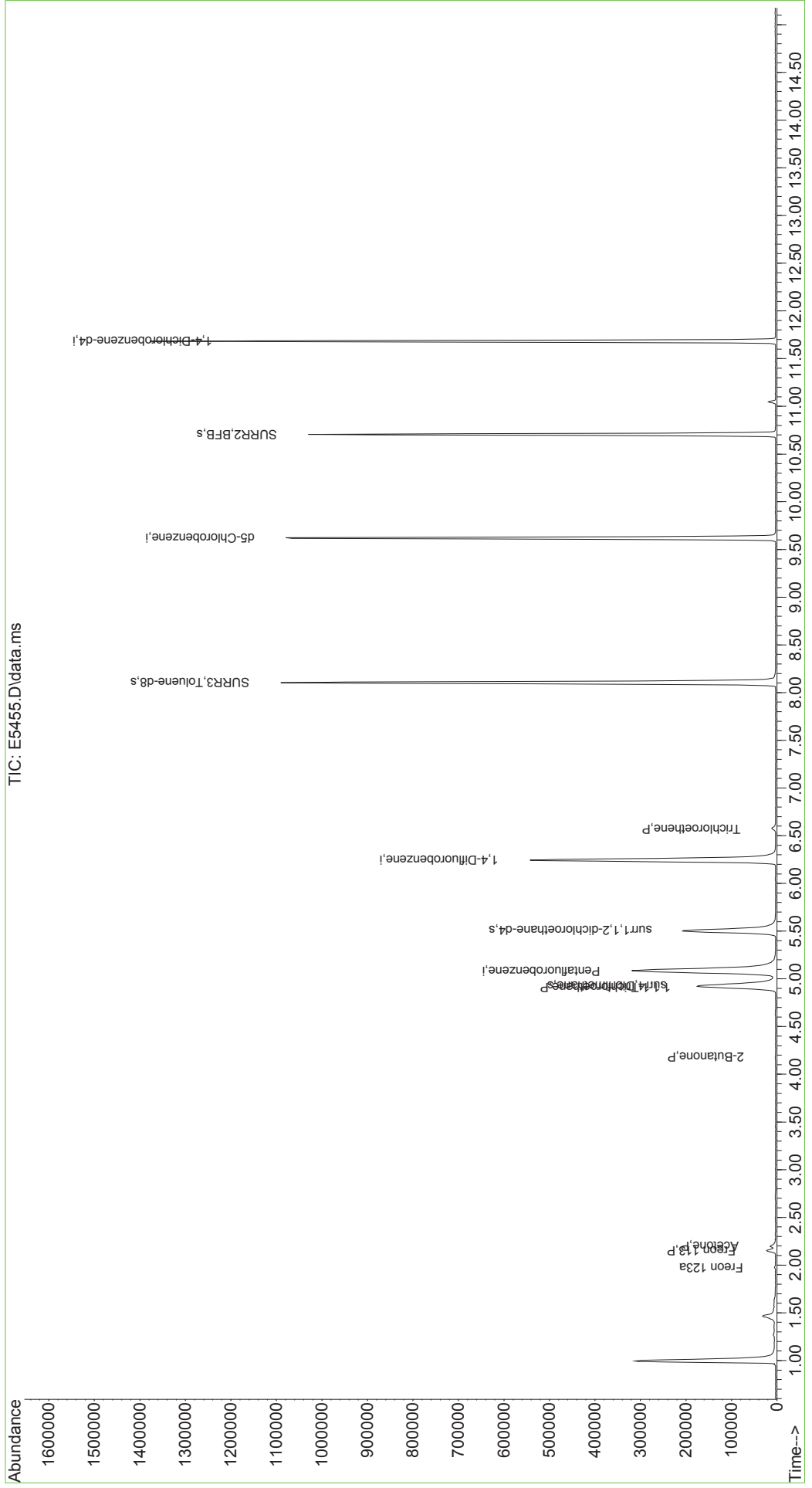
Quant Time: Sep 14 09:48:13 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

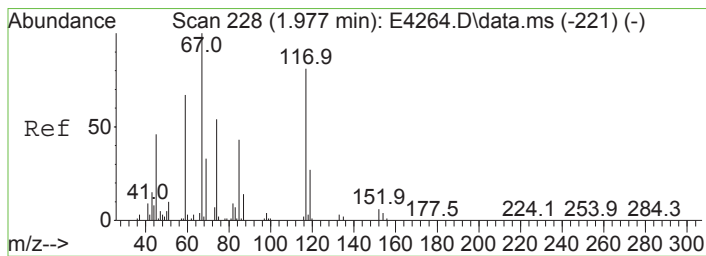
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 402252 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.244 | 114 | 575691 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 522881 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.682 | 152 | 267647 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.928 | 113 | 175128 | 46.00 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 92.00% | |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 217087 | 49.76 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 99.52% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 702790 | 50.75 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 101.50% | |
| 70) SURR2,BFB | 10.707 | 95 | 246829 | 46.78 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 93.56% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 11) Freon 123a | 1.977 | 67 | 1052 | 0.298 | ug/L # | 60 |
| 15) Freon 113 | 2.148 | 101 | 8864 | 2.651 | ug/L | 99 |
| 16) Acetone | 2.196 | 43 | 12512 | 6.704 | ug/L | 96 |
| 35) 2-Butanone | 4.184 | 43 | 1397 | 0.634 | ug/L | 97 |
| 41) 1,1,1-Trichloroethane | 4.915 | 97 | 1562m | 0.276 | ug/L | |
| 54) Trichloroethene | 6.574 | 130 | 3535 | 0.912 | ug/L | 90 |
| ----- | | | | | | |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5455.D
Acq On : 14 Sep 2023 05:18 am
Operator : K.Ruest
Sample : R2308315-005|1.0
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

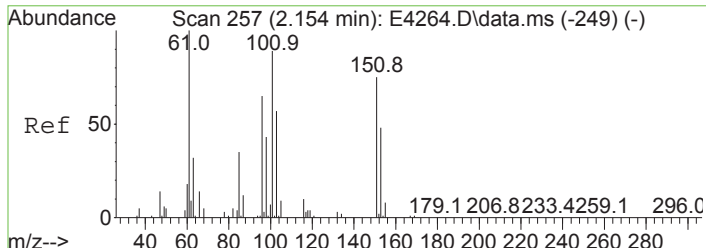
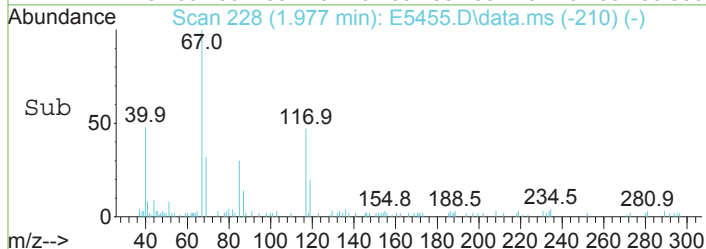
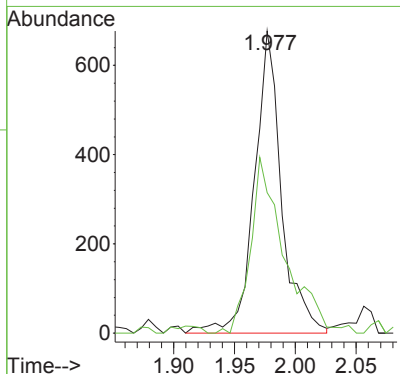
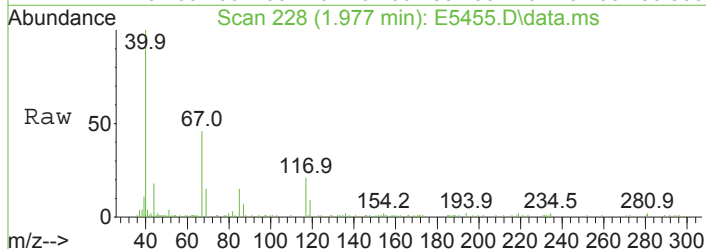
Quant Time: Sep 14 09:48:13 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





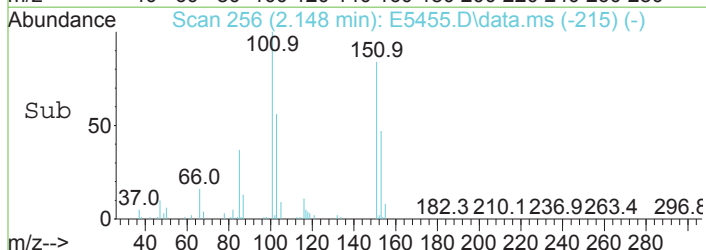
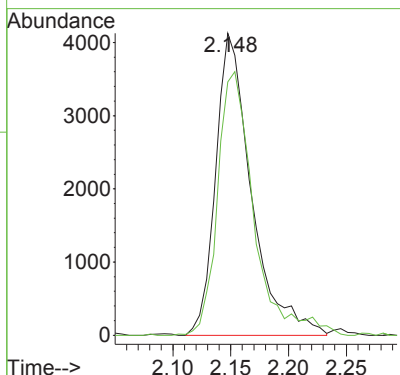
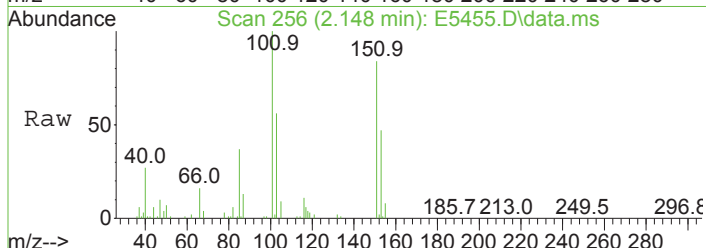
#11
 Freon 123a
 Concen: 0.30 ug/L
 RT: 1.977 min Scan# 228
 Delta R.T. -0.000 min
 Lab File: E5455.D
 Acq: 14 Sep 2023 05:18 am

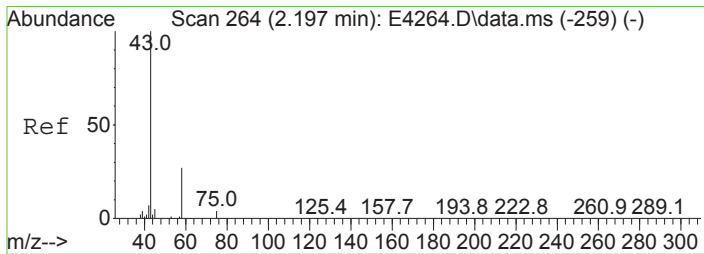
Tgt Ion: 67 Resp: 1052
 Ion Ratio Lower Upper
 67 100
 117 46.5 61.9 101.9#



#15
 Freon 113
 Concen: 2.65 ug/L
 RT: 2.148 min Scan# 256
 Delta R.T. -0.006 min
 Lab File: E5455.D
 Acq: 14 Sep 2023 05:18 am

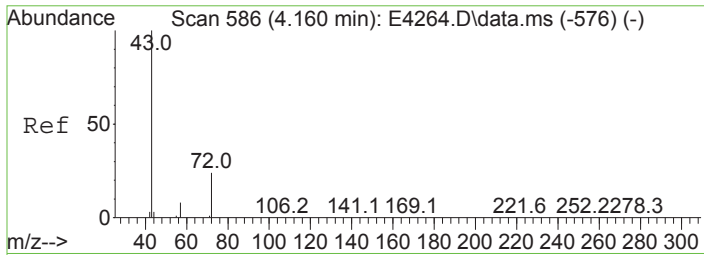
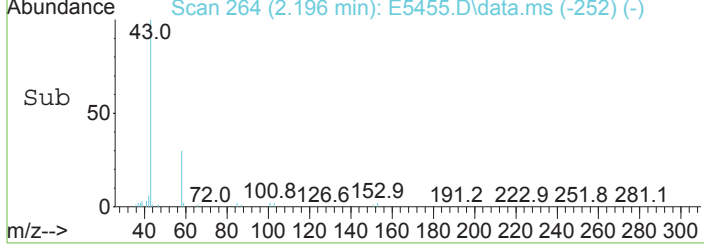
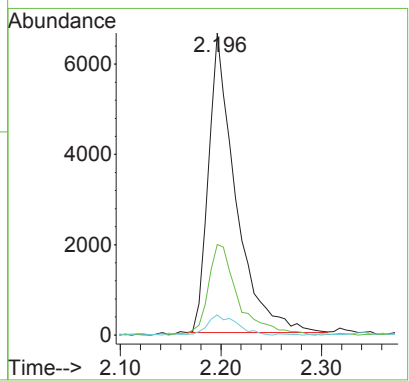
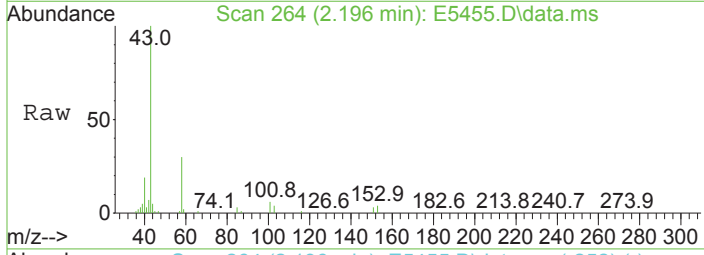
Tgt Ion: 101 Resp: 8864
 Ion Ratio Lower Upper
 101 100
 151 83.9 64.6 104.6





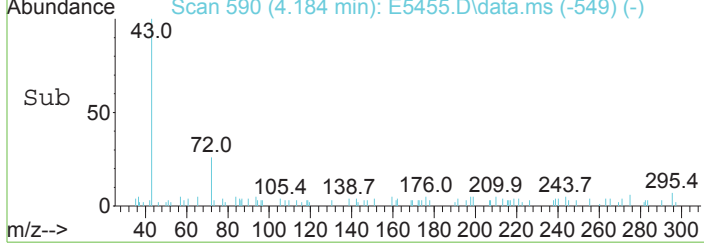
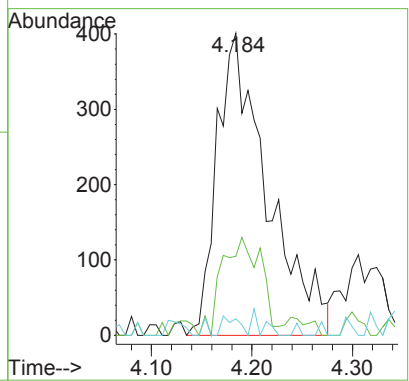
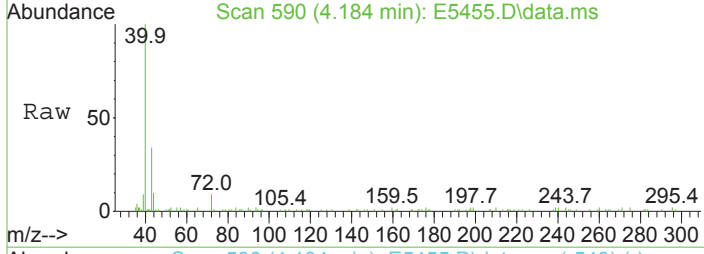
#16
 Acetone
 Concen: 6.70 ug/L
 RT: 2.196 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: E5455.D
 Acq: 14 Sep 2023 05:18 am

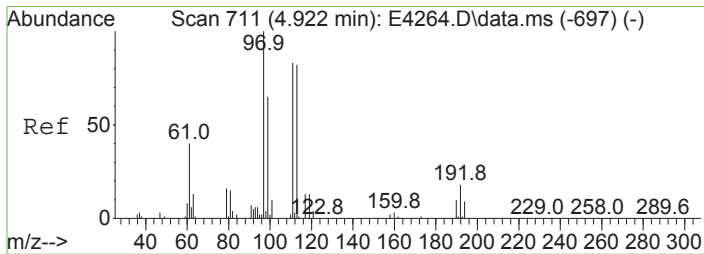
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 12512 | | |
| 58 | 30.0 | 7.7 | 47.7 |
| 42 | 6.6 | 0.0 | 27.6 |



#35
 2-Butanone
 Concen: 0.63 ug/L
 RT: 4.184 min Scan# 590
 Delta R.T. 0.024 min
 Lab File: E5455.D
 Acq: 14 Sep 2023 05:18 am

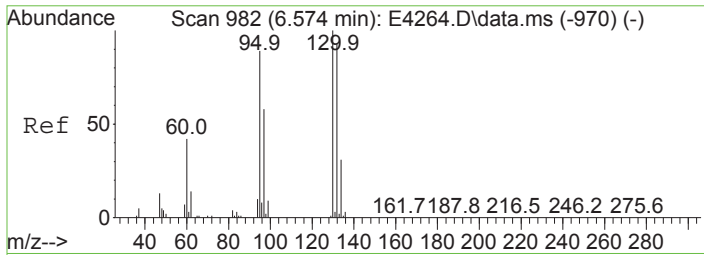
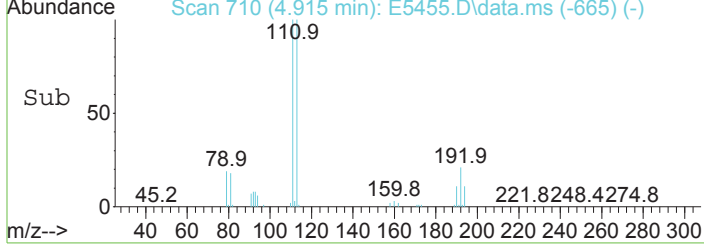
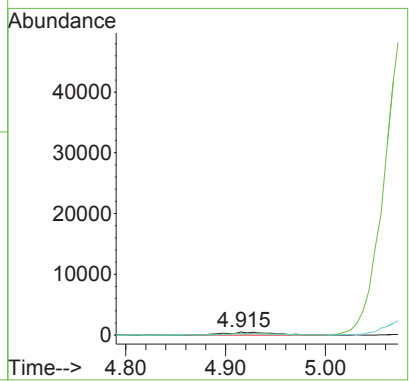
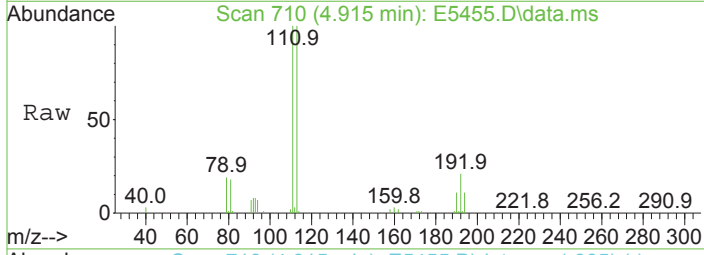
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1397 | | |
| 72 | 26.2 | 5.4 | 45.4 |
| 57 | 5.5 | 0.0 | 28.6 |





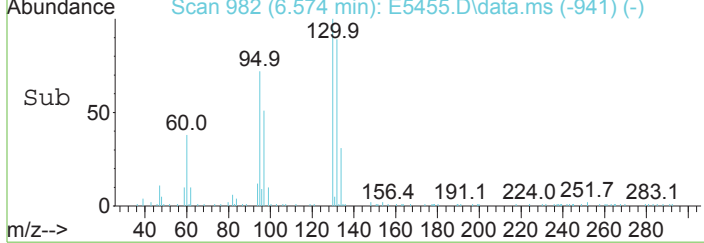
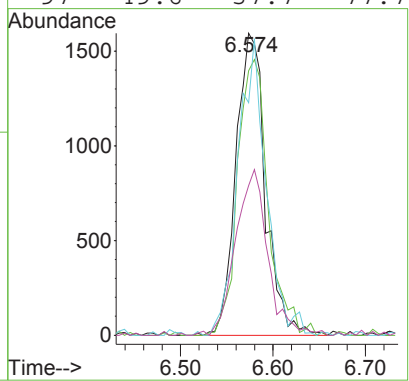
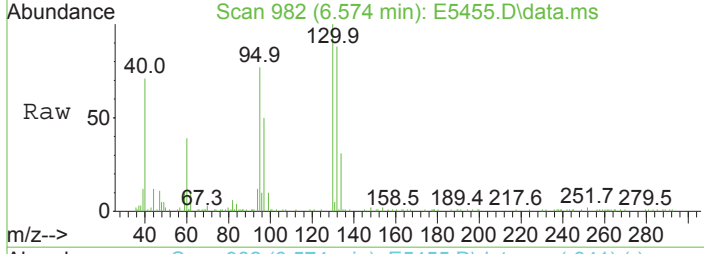
#41
 1,1,1-Trichloroethane
 Concen: 0.28 ug/L m
 RT: 4.915 min Scan# 710
 Delta R.T. -0.006 min
 Lab File: E5455.D
 Acq: 14 Sep 2023 05:18 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 1562 | | |
| 97 | 100 | | |
| 99 | 48.5 | 45.0 | 85.0 |
| 61 | 34.8 | 20.4 | 60.4 |



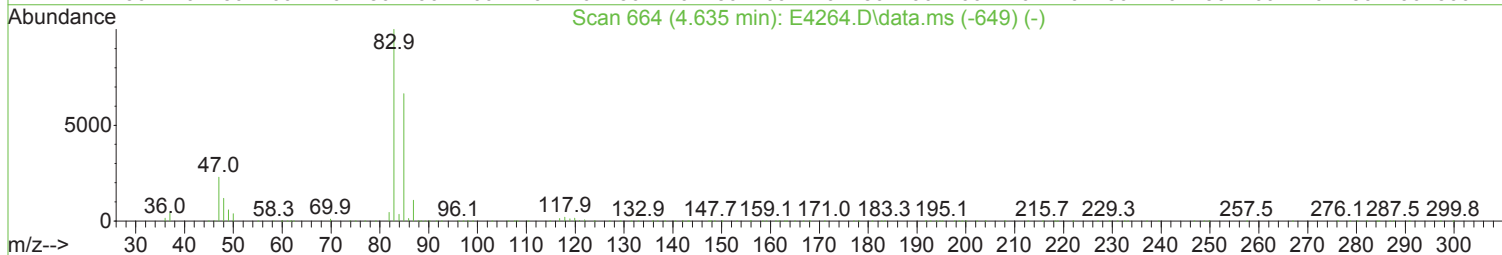
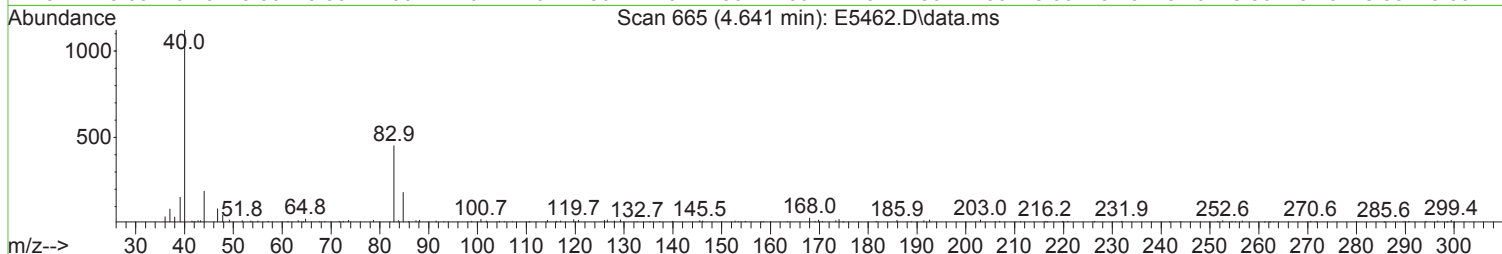
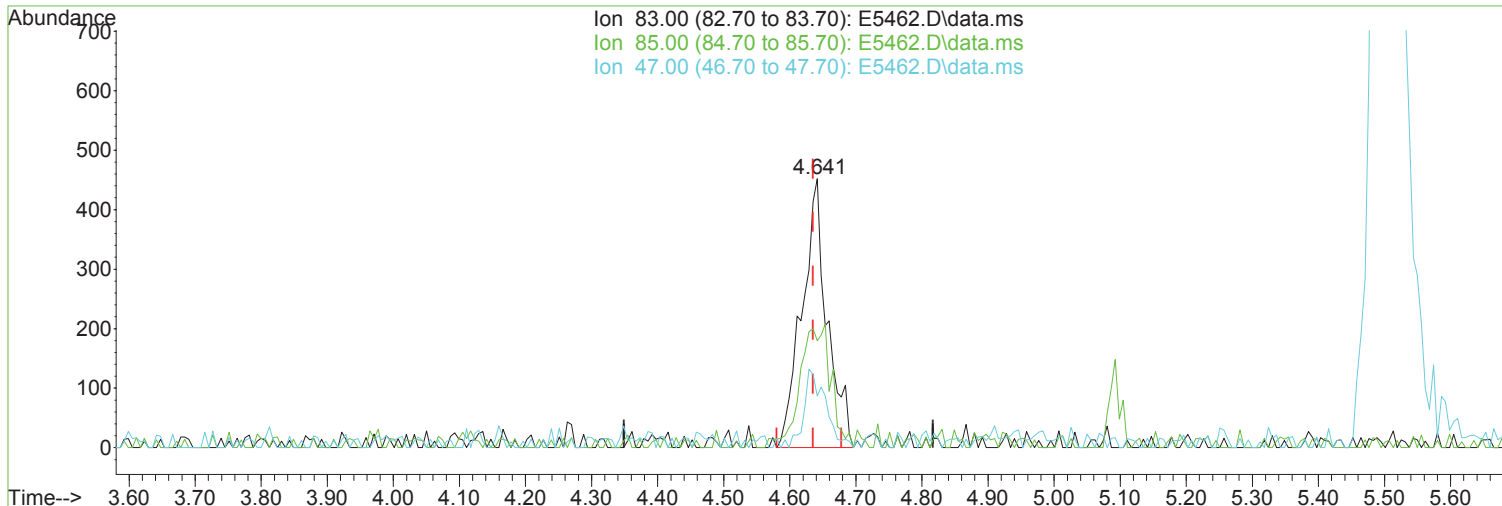
#54
 Trichloroethene
 Concen: 0.91 ug/L
 RT: 6.574 min Scan# 982
 Delta R.T. -0.000 min
 Lab File: E5455.D
 Acq: 14 Sep 2023 05:18 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 130 | 3535 | | |
| 130 | 100 | | |
| 132 | 87.6 | 73.0 | 113.0 |
| 95 | 77.0 | 68.9 | 108.9 |
| 97 | 49.6 | 37.7 | 77.7 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5462.D
 Acq On : 14 Sep 2023 07:59 am
 Operator : K.Ruest
 Sample : R2308315-006|10
 Misc : VERINA 8260 T4
 ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 14 09:52:51 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



(40) Chloroform (P)

4.641min (+ 0.006) 0.19 ug/L m

response 1199

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 66.50 | 39.82# |
| 47.00 | 23.10 | 19.25 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

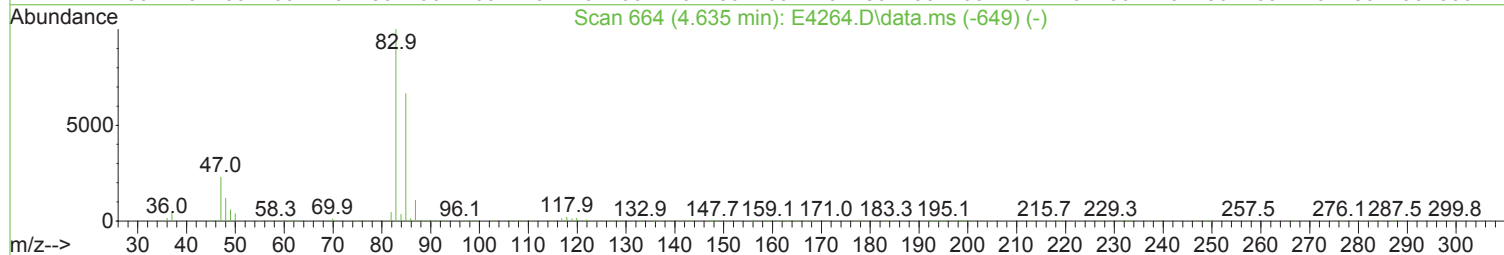
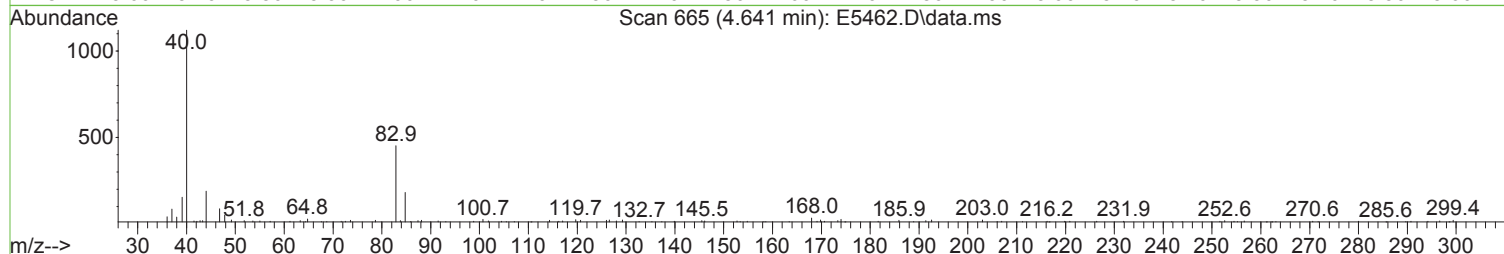
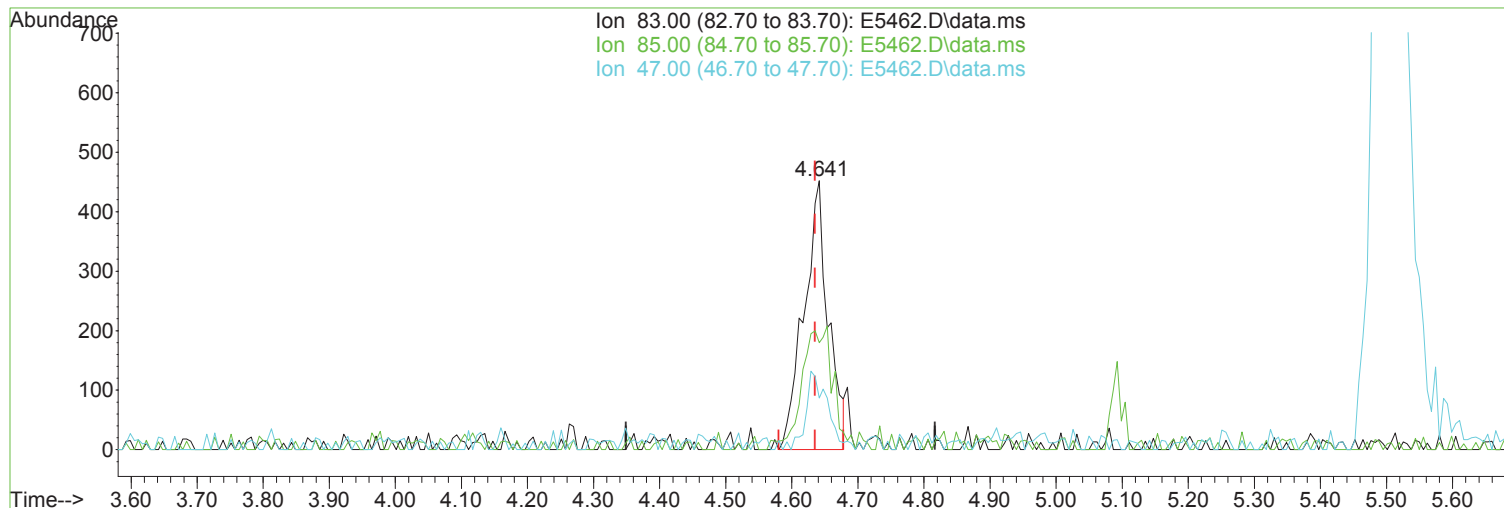
After

Poor integration.

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5462.D
Acq On : 14 Sep 2023 07:59 am
Operator : K.Ruest
Sample : R2308315-006|10
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 14 09:52:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(40) Chloroform (P)

Manual Integration:

4.641min (+ 0.006) 0.19 ug/L

Before

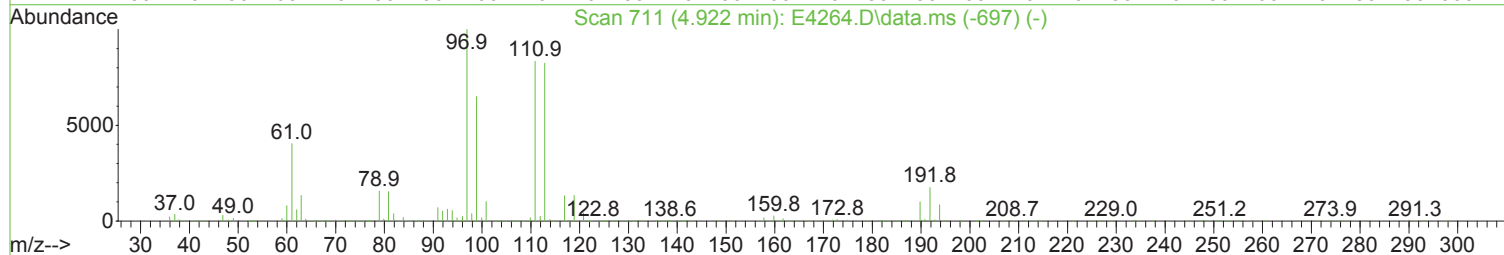
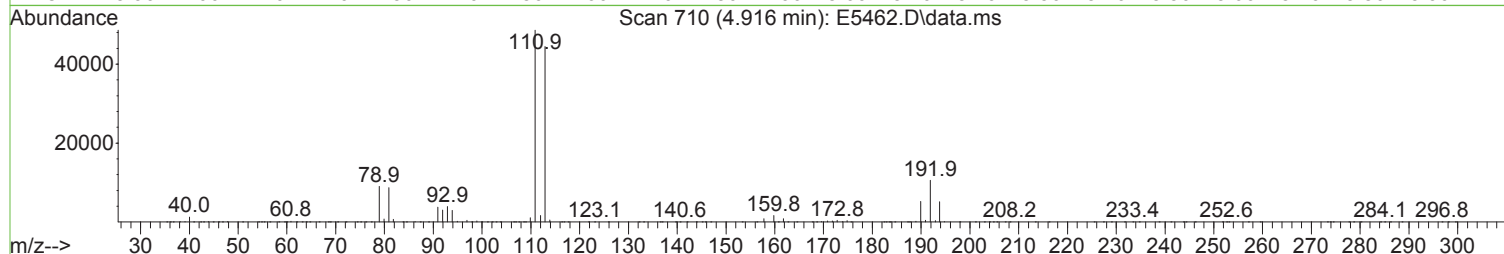
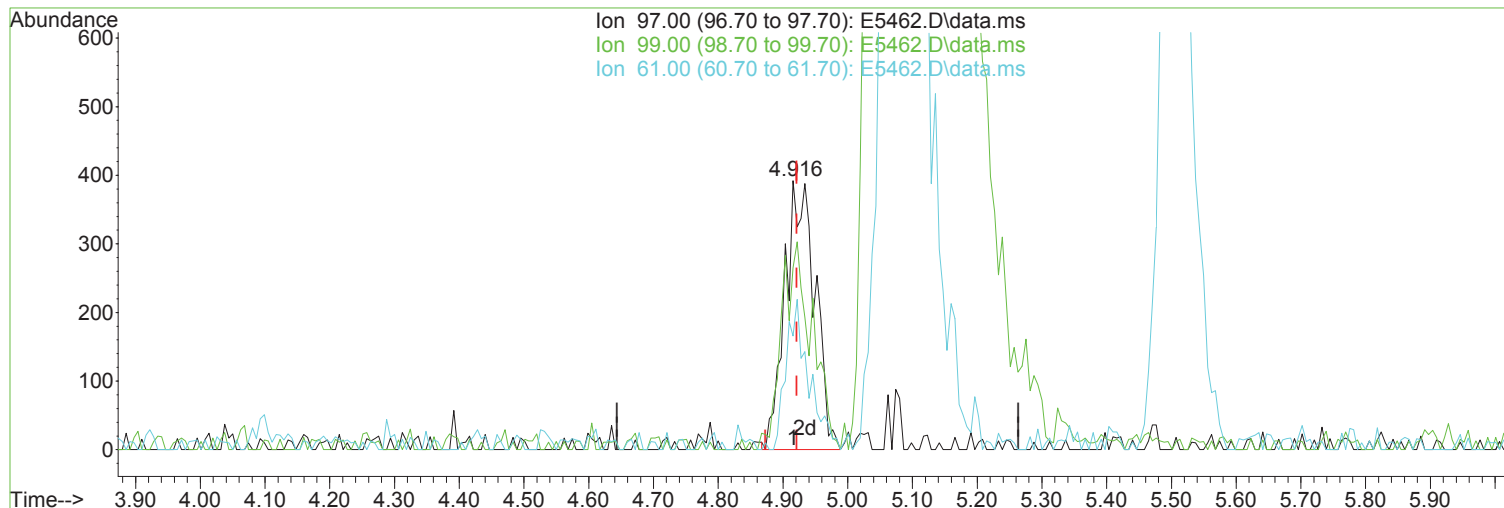
response 1151

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 66.50 | 39.82# |
| 47.00 | 23.10 | 19.25 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5462.D
Acq On : 14 Sep 2023 07:59 am
Operator : K.Ruest
Sample : R2308315-006|10
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 14 09:52:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5462.D\data.ms

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

Manual Integration:

4.916min (-0.006) 0.23 ug/L m

After

response 1261

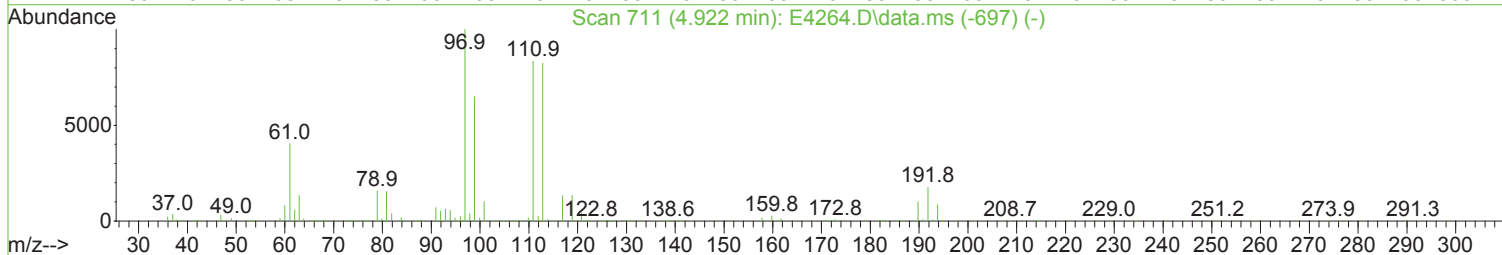
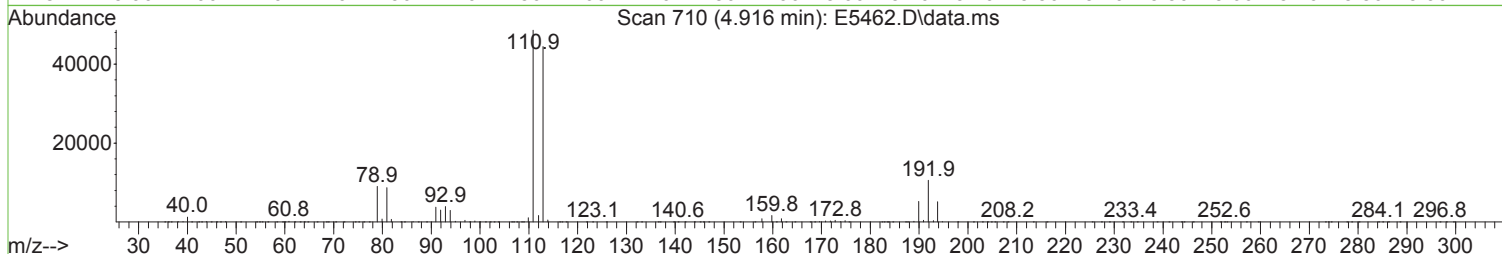
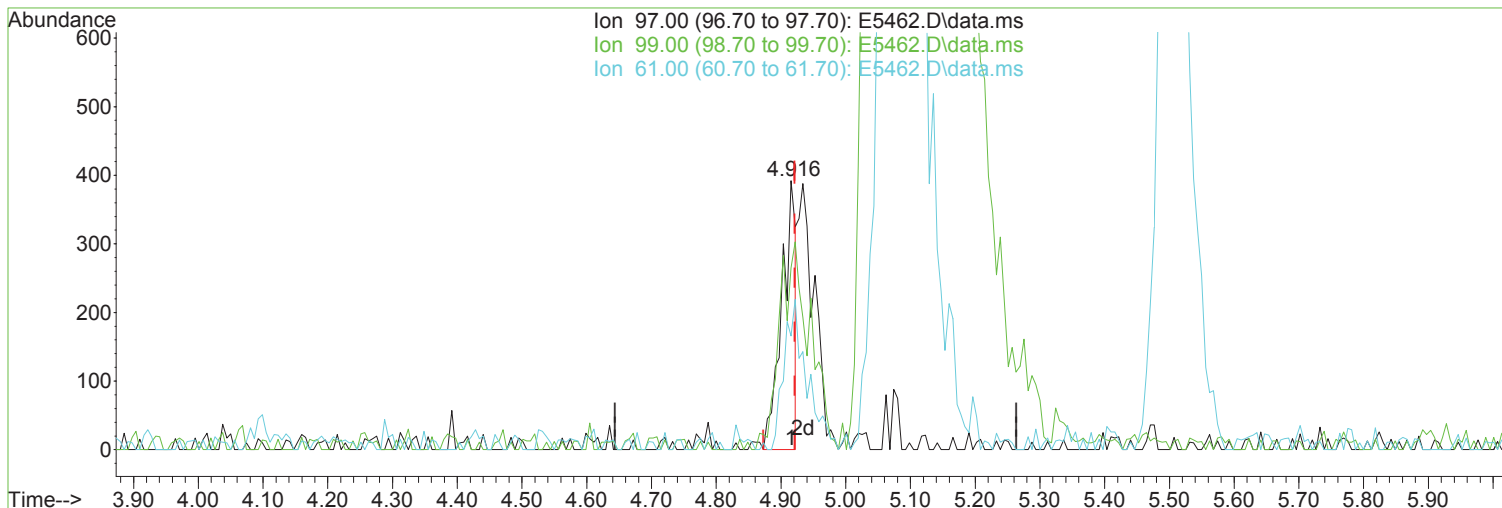
Split Peak.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 65.00 | 67.60 |
| 61.00 | 40.40 | 42.35 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5462.D
 Acq On : 14 Sep 2023 07:59 am
 Operator : K.Ruest
 Sample : R2308315-006|10
 Misc : VERINA 8260 T4
 ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 14 09:52:51 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



TIC: E5462.D\data.ms

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

Manual Integration:

4.916min (-0.006) 0.10 ug/L

Before

response 581

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 97.00 | 100.00 | 100.00 | 09/15/23 |
| 99.00 | 65.00 | 67.60 | |
| 61.00 | 40.40 | 42.35 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5462.D
 Acq On : 14 Sep 2023 07:59 am
 Operator : K.Ruest
 Sample : R2308315-006|10
 Misc : VERINA 8260 T4
 ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 14 09:52:51 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

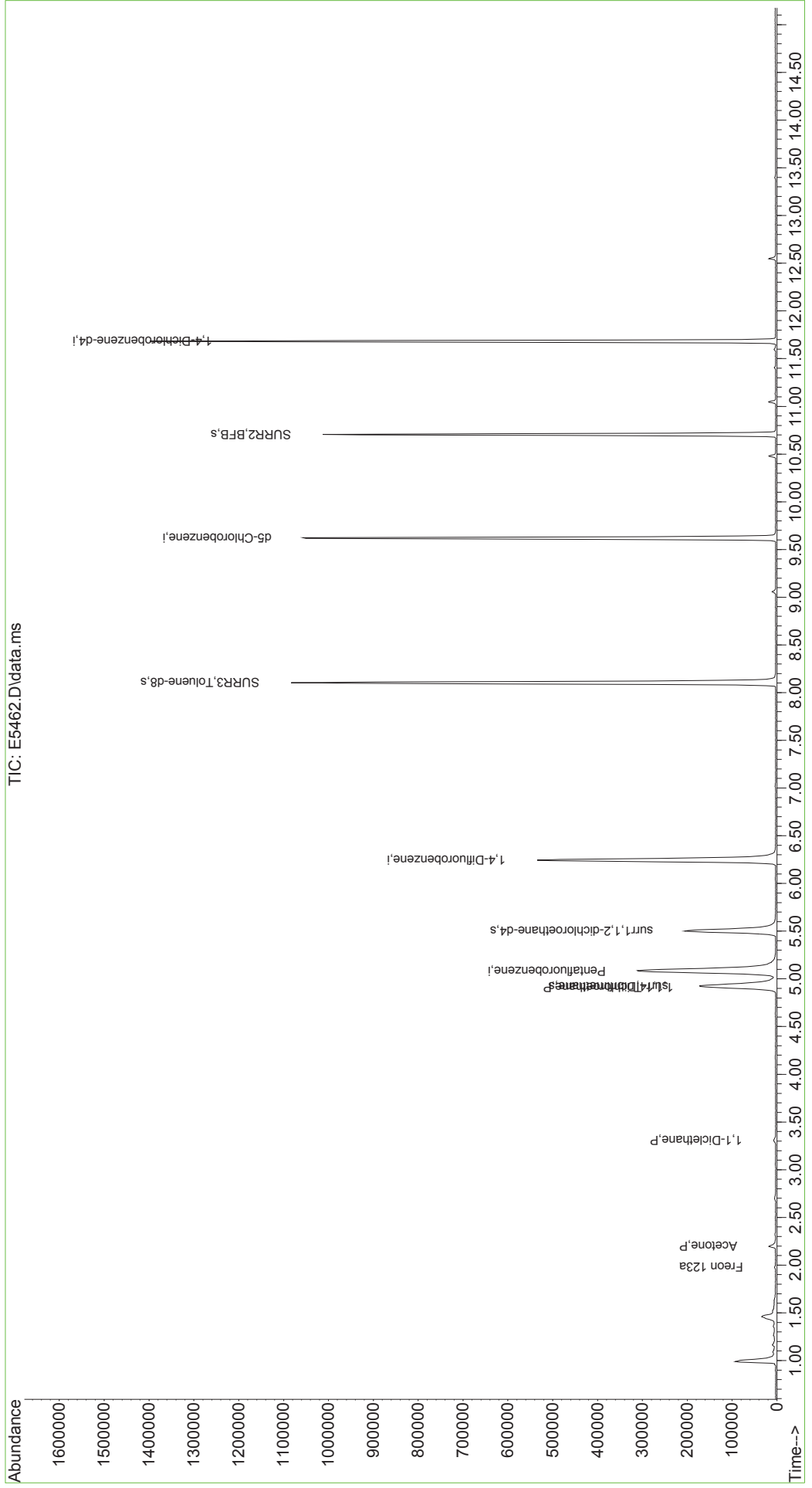
DIL OK - MATRIX

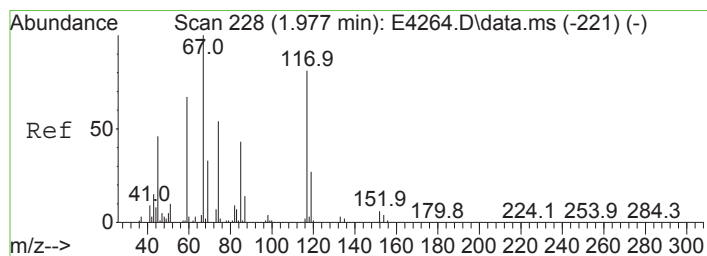
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 397535 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 568940 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 517027 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 272256 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 173554 | 46.13 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 92.26% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 214099 | 49.66 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 99.32% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 701278 | 51.24 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 102.48% | |
| 70) SURR2,BFB | 10.707 | 95 | 250424 | 48.02 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 96.04% | |
| Target Compounds | | | | | | |
| 11) Freon 123a | 1.983 | 67 | 995 | 0.286 | ug/L | 89 |
| 16) Acetone | 2.197 | 43 | 18419 | 9.987 | ug/L | 93 |
| 28) 1,1-Dicethane | 3.306 | 63 | 5321 | 0.980 | ug/L | 97 |
| 41) 1,1,1-Trichloroethane | 4.916 | 97 | 1261m | 0.225 | ug/L | |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5462.D
Acq On : 14 Sep 2023 07:59 am
Operator : K.Ruest
Sample : R2308315-006|10
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

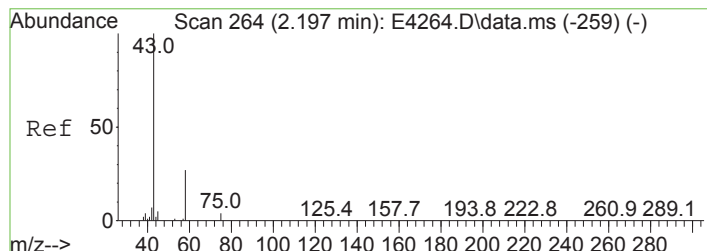
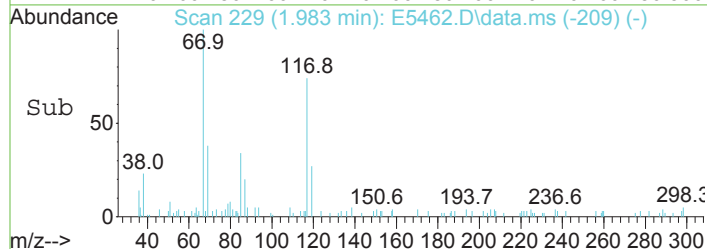
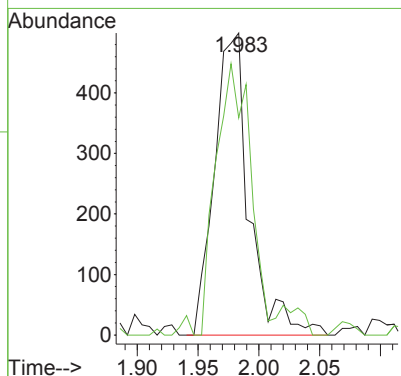
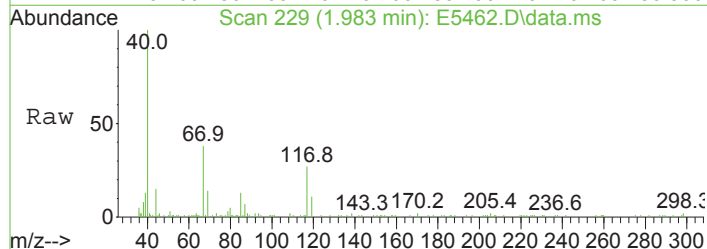
Quant Time: Sep 14 09:52:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





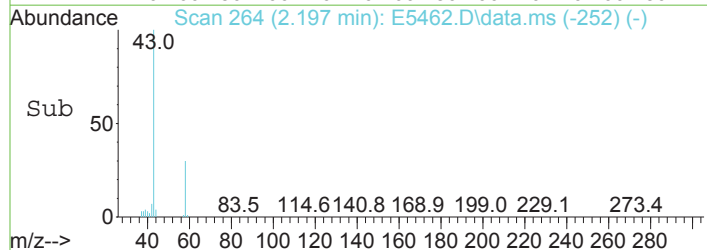
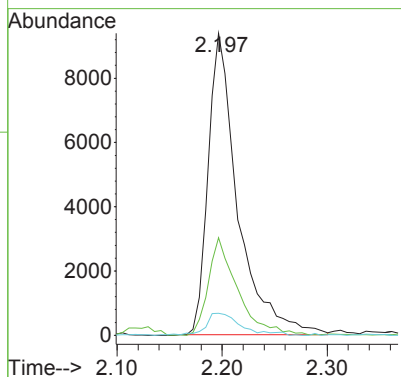
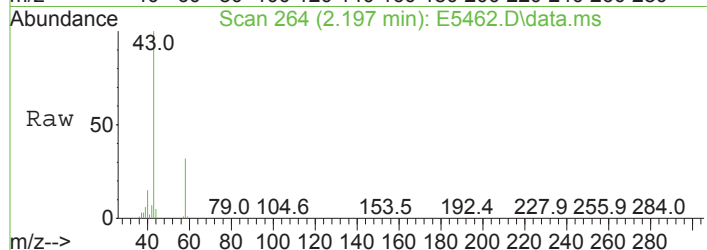
#11
 Freon 123a
 Concen: 0.29 ug/L
 RT: 1.983 min Scan# 229
 Delta R.T. 0.006 min
 Lab File: E5462.D
 Acq: 14 Sep 2023 07:59 am

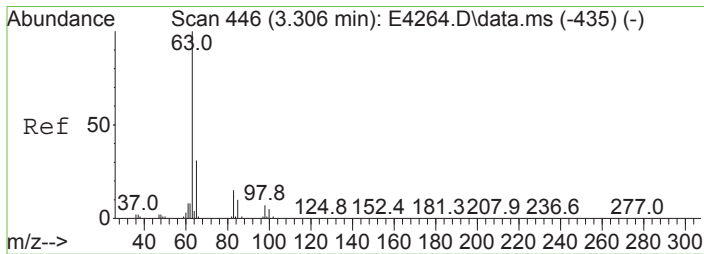
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 67 | 100 | | |
| 117 | 71.9 | 61.9 | 101.9 |



#16
 Acetone
 Concen: 9.99 ug/L
 RT: 2.197 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: E5462.D
 Acq: 14 Sep 2023 07:59 am

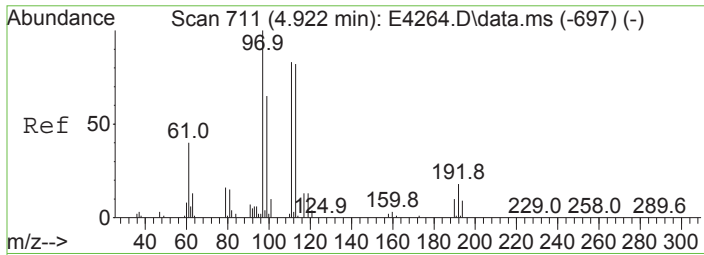
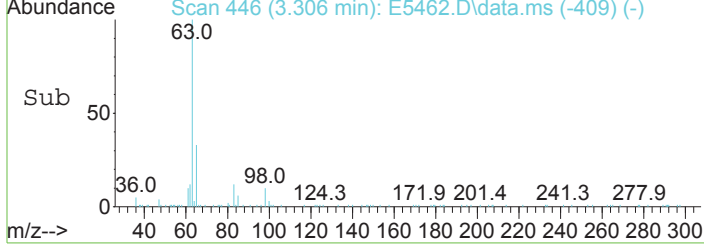
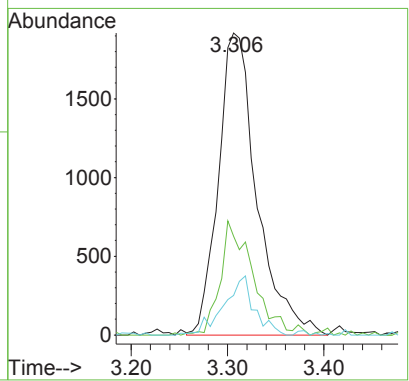
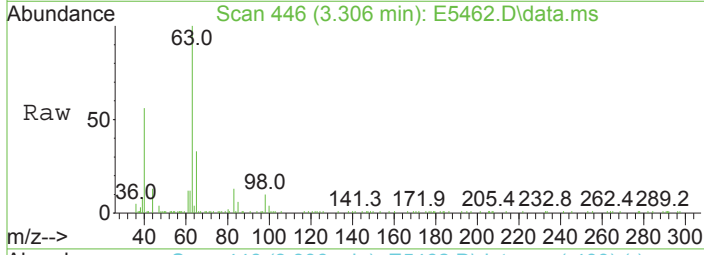
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 32.3 | 7.7 | 47.7 |
| 42 | 7.3 | 0.0 | 27.6 |





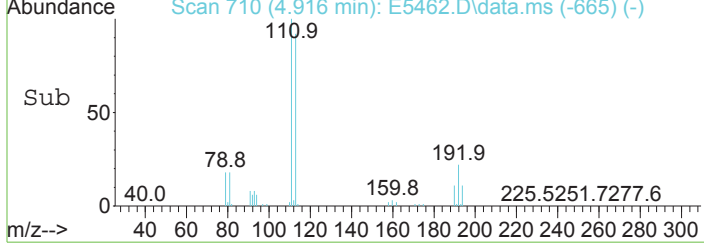
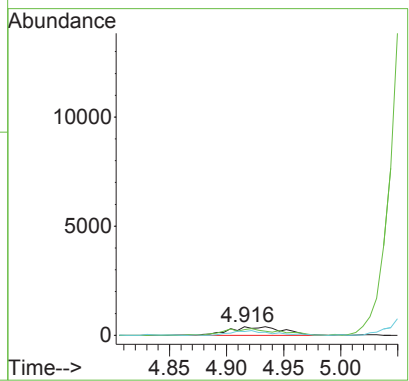
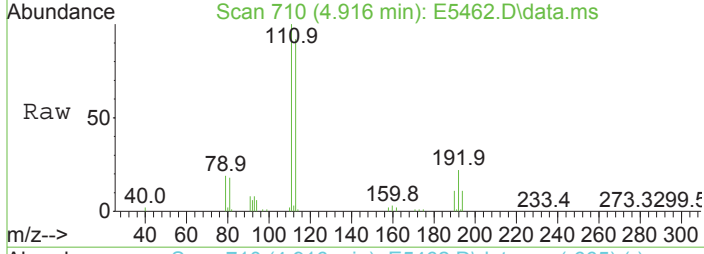
#28
 1,1-Dicloroethane
 Concen: 0.98 ug/L
 RT: 3.306 min Scan# 446
 Delta R.T. -0.000 min
 Lab File: E5462.D
 Acq: 14 Sep 2023 07:59 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 32.7 | 11.1 | 51.1 |
| 83 | 13.1 | 0.0 | 34.8 |



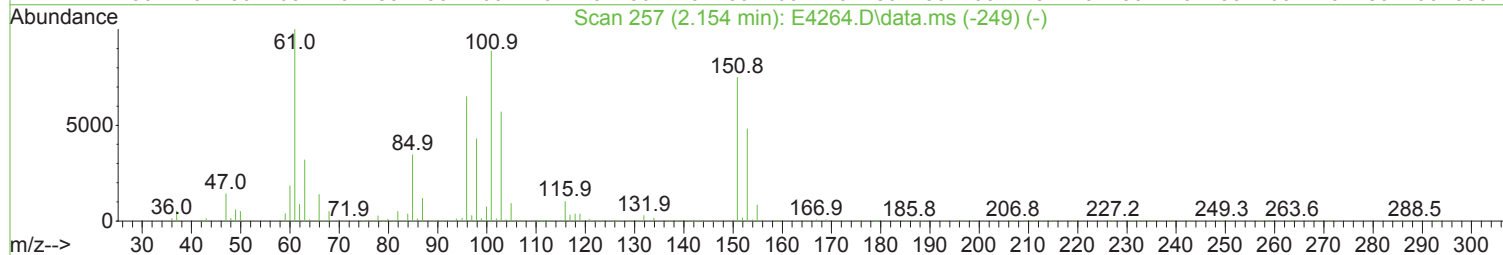
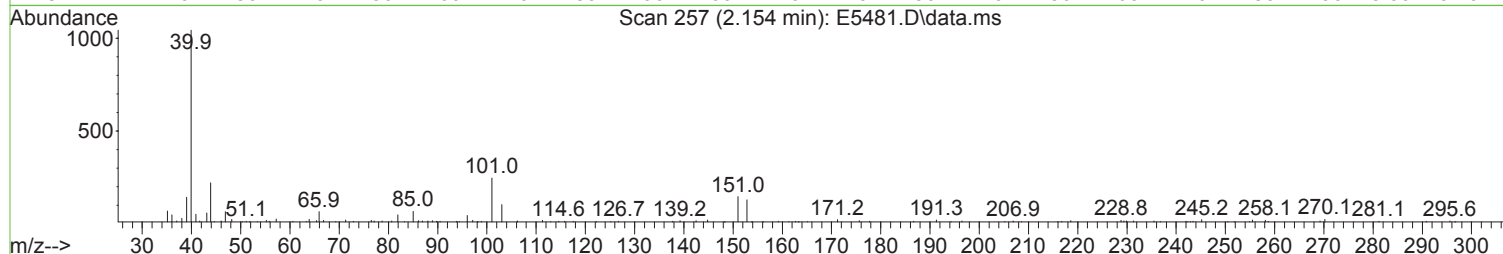
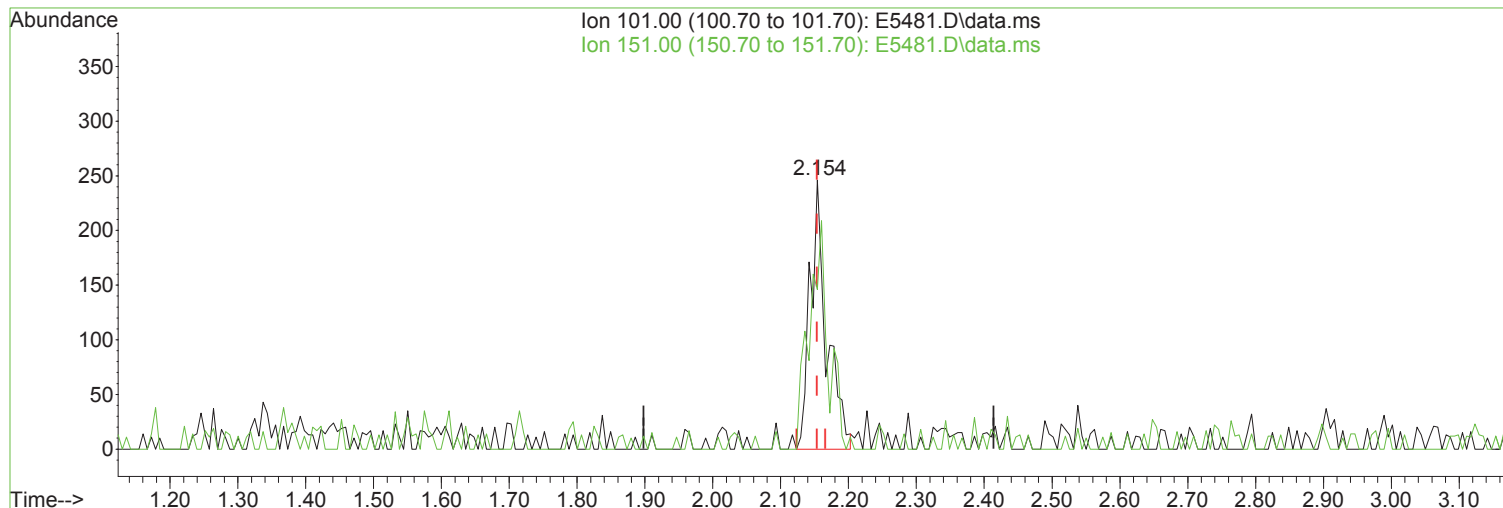
#41
 1,1,1-Trichloroethane
 Concen: 0.23 ug/L m
 RT: 4.916 min Scan# 710
 Delta R.T. -0.006 min
 Lab File: E5462.D
 Acq: 14 Sep 2023 07:59 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 67.6 | 45.0 | 85.0 |
| 61 | 42.3 | 20.4 | 60.4 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5481.D
Acq On : 14 Sep 2023 04:37 pm
Operator : K.Ruest 008
Sample : R2308315-010|1.0
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 16:58:17 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(15) Freon 113 (P)

Manual Integration:

2.154min (-0.000) 0.13 ug/L m

After

response 419

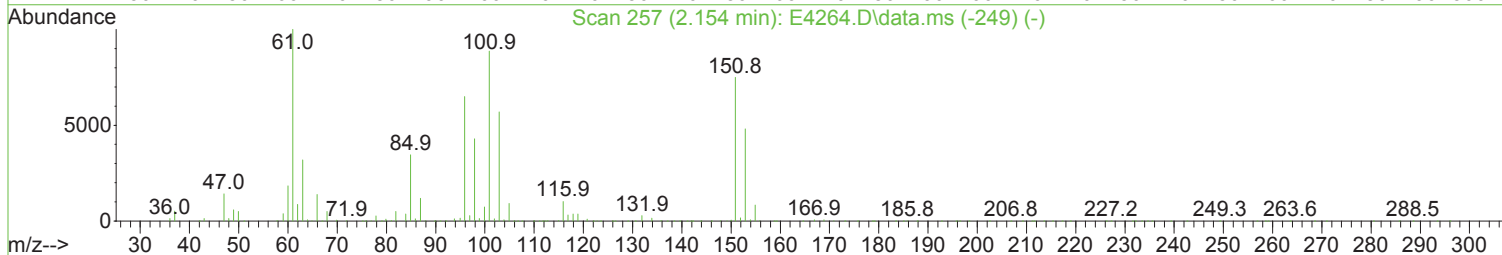
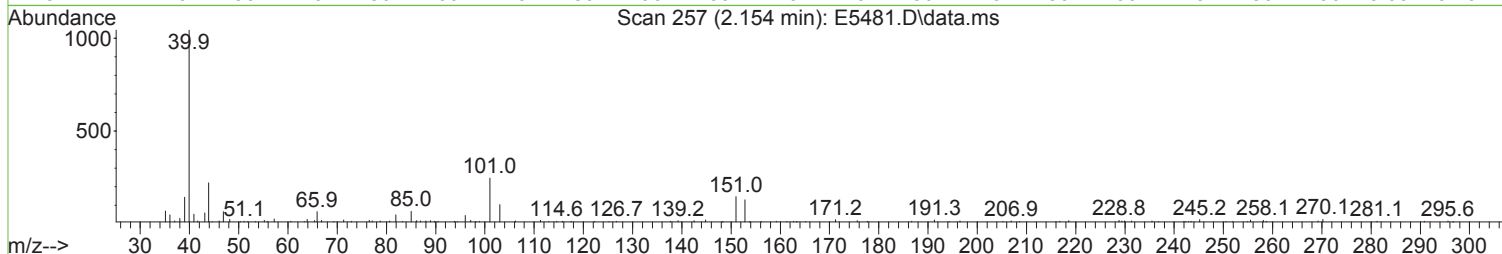
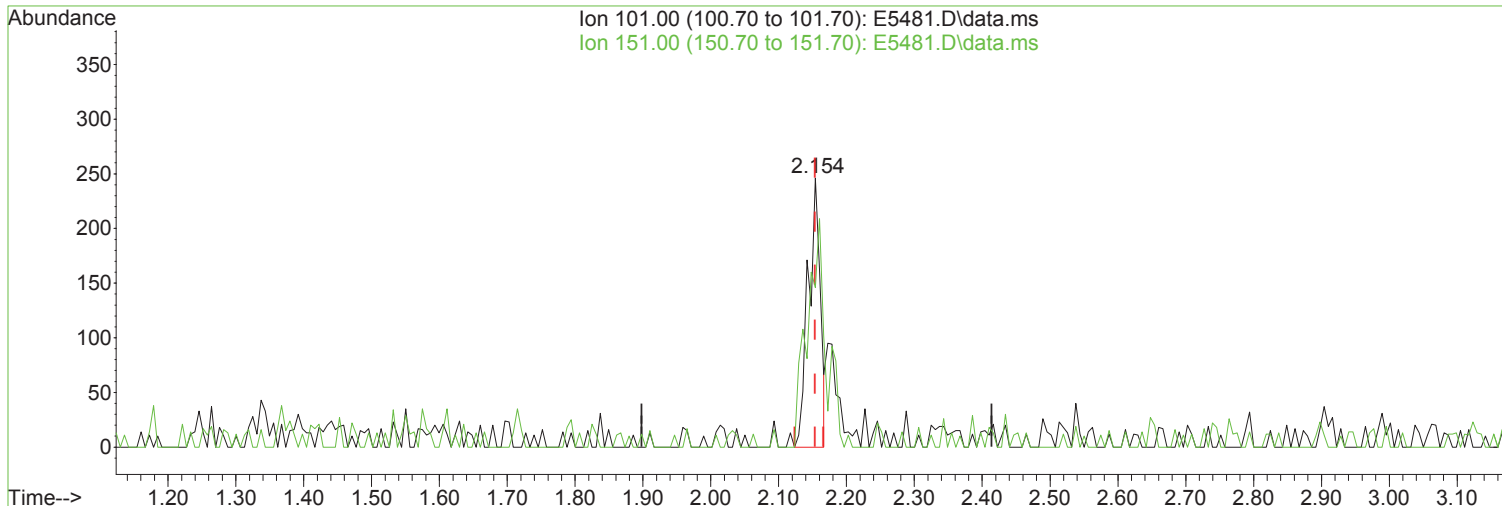
Split Peak.

| Ion | Exp% | Act% |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 151.00 | 84.60 | 59.35# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/18/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5481.D
Acq On : 14 Sep 2023 04:37 pm
Operator : K.Ruest 008
Sample : R2308315-010|1.0
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 16:58:17 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(15) Freon 113 (P)

Manual Integration:

2.154min (-0.000) 0.09 ug/L

Before

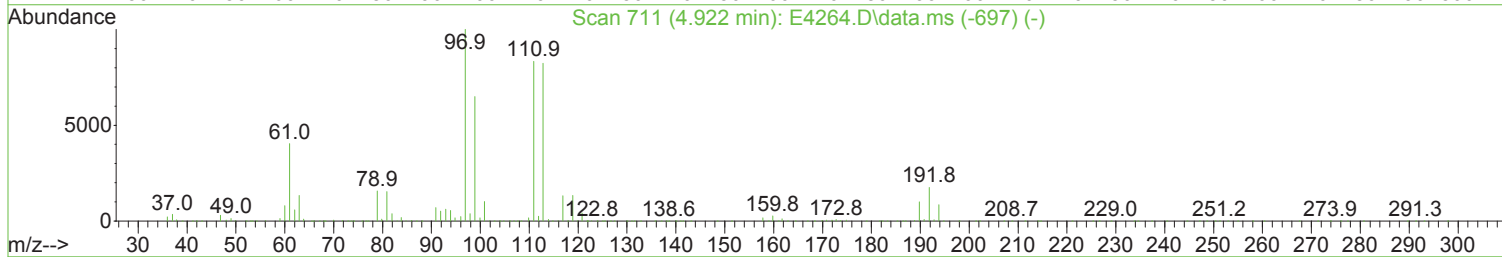
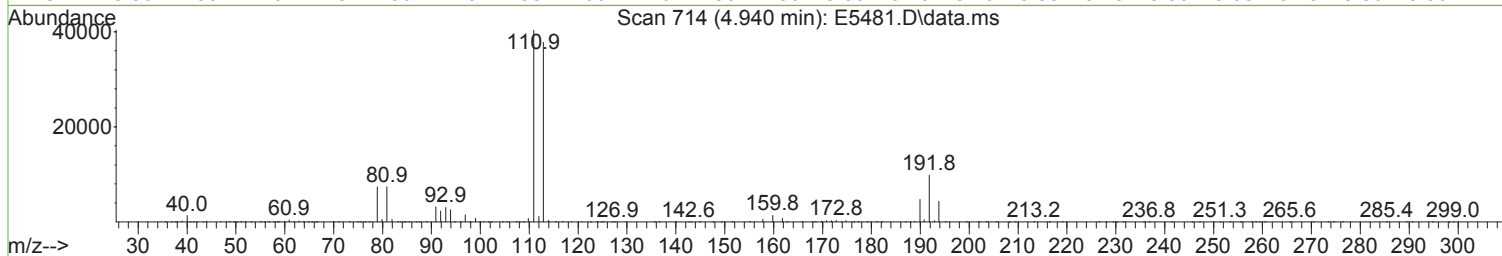
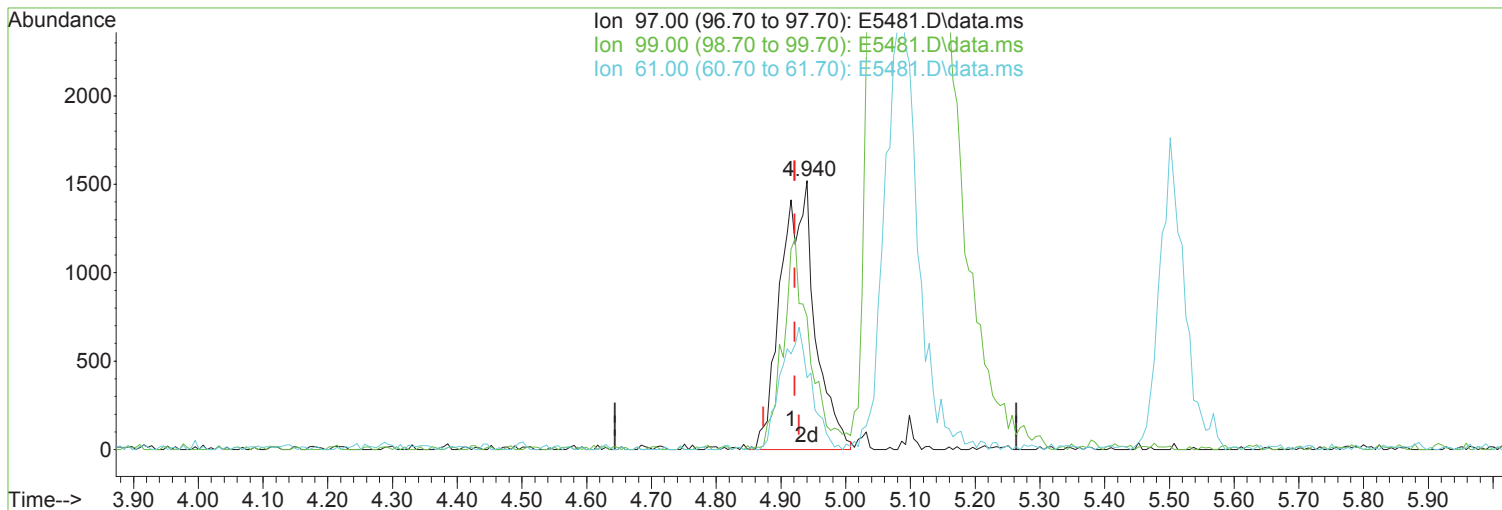
response 306

| Ion | Exp% | Act% |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 151.00 | 84.60 | 59.35# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/18/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5481.D
 Acq On : 14 Sep 2023 04:37 pm
 Operator : K.Ruest 008
 Sample : R2308315-010|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 16:58:17 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



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

4.940min (+ 0.018) 1.00 ug/L m

response 5494

| Ion | Exp% | Act% |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 65.00 | 49.38 |
| 61.00 | 40.40 | 26.82 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

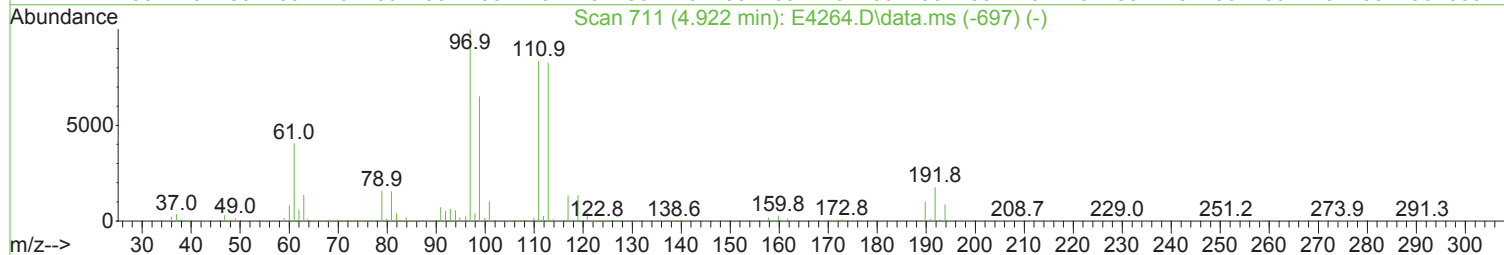
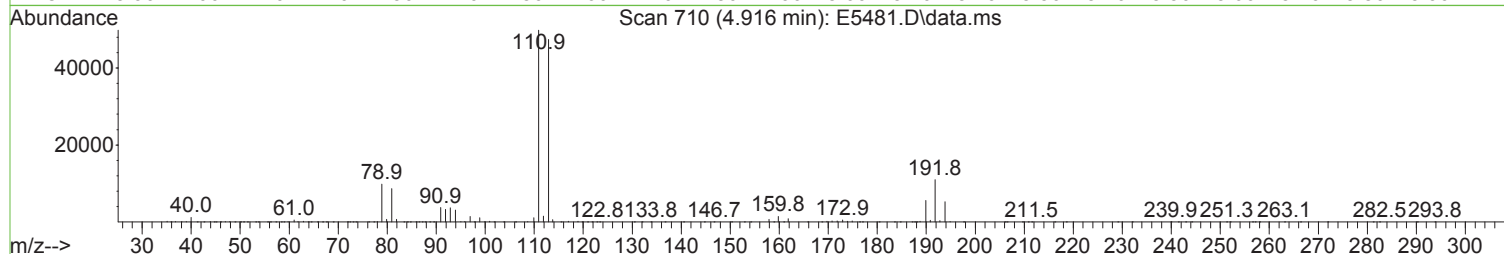
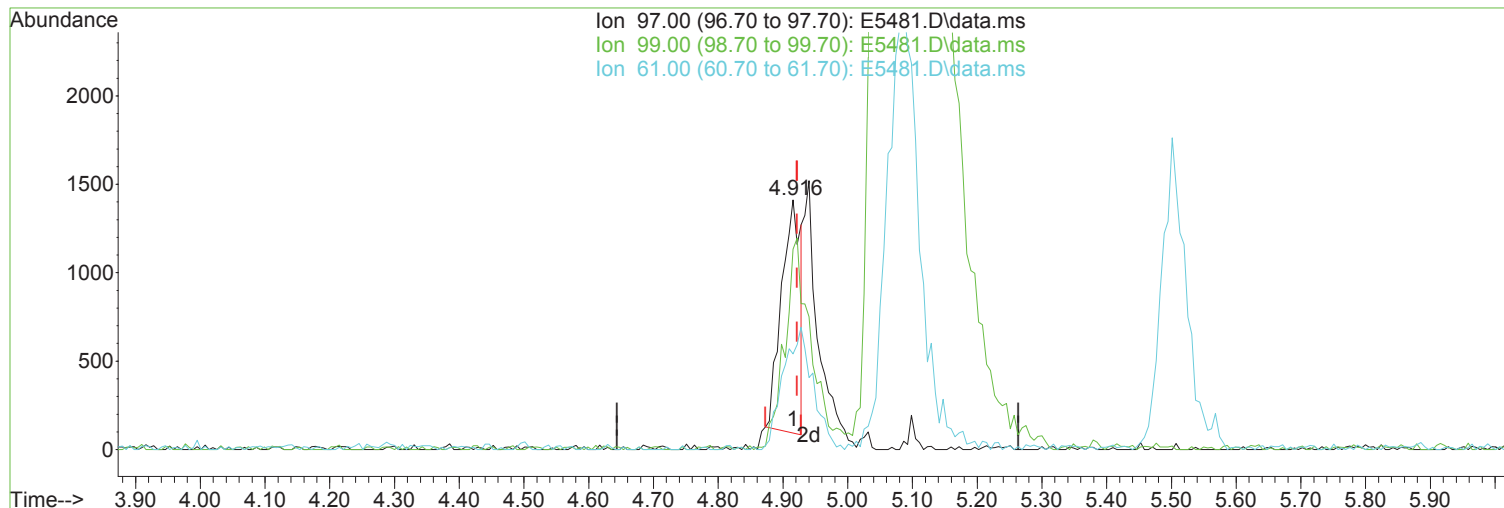
After

Split Peak.

09/18/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5481.D
 Acq On : 14 Sep 2023 04:37 pm
 Operator : K.Ruest 008
 Sample : R2308315-010|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 16:58:17 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



TIC: E5481.D\data.ms

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

Manual Integration:

4.916min (-0.006) 0.49 ug/L

Before

response 2680

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 97.00 | 100.00 | 100.00 | 09/18/23 |
| 99.00 | 65.00 | 80.24 | |
| 61.00 | 40.40 | 38.39 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5481.D
 Acq On : 14 Sep 2023 04:37 pm
 Operator : K.Ruest **008**
 Sample : R2308315-~~010~~|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 5 Sample Multiplier: 1

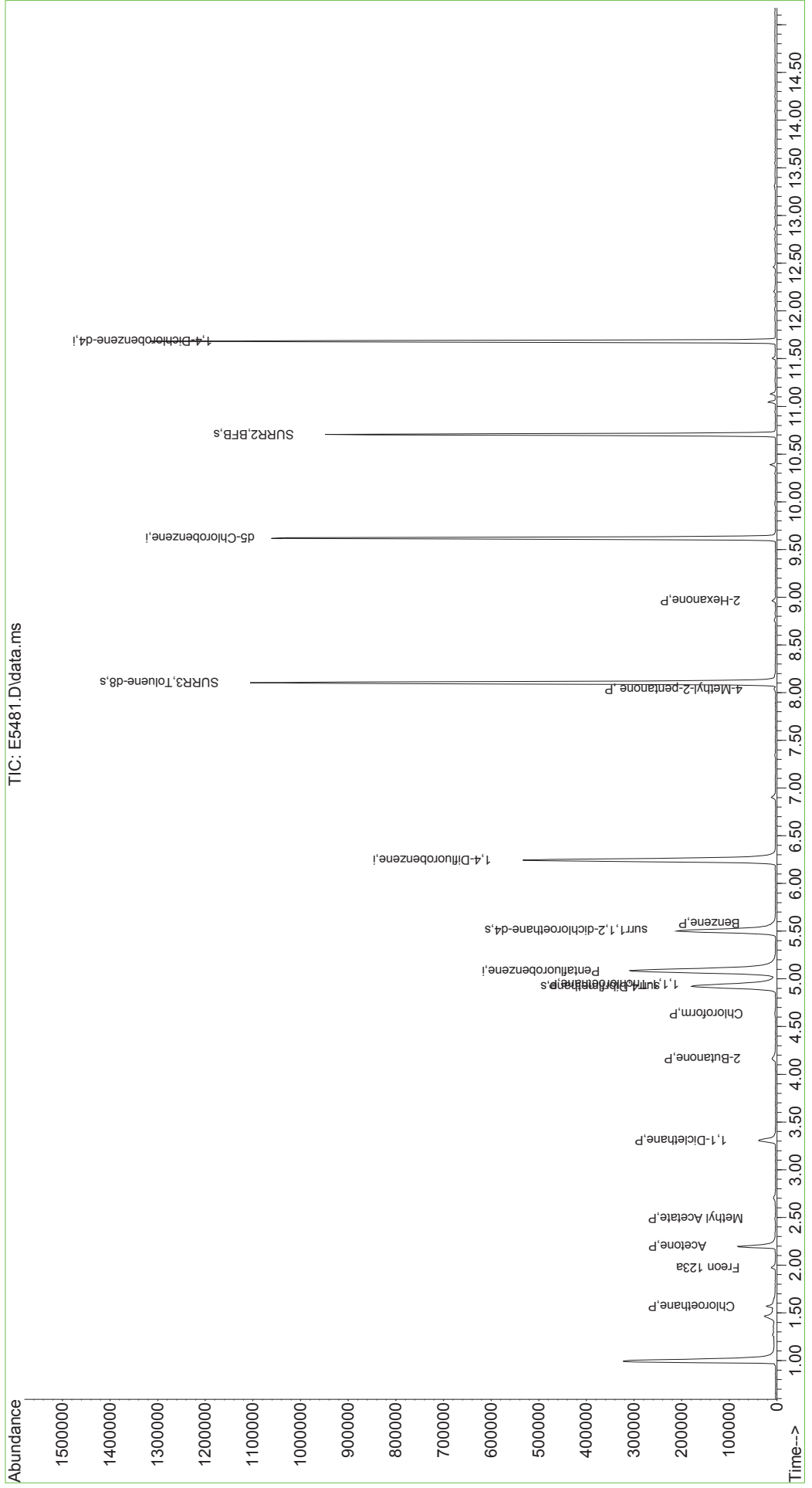
Quant Time: Sep 14 16:58:17 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

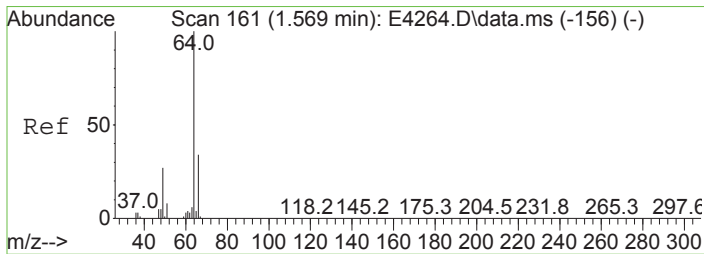
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.080 | 168 | 392369 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 562317 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 506503 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 257934 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 178152 | 47.91 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 95.82% | |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 217709 | 51.09 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 102.18% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 709875 | 52.48 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 104.96% | |
| 70) SURR2,BFB | 10.707 | 95 | 231416 | 44.90 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 89.80% | |
| Target Compounds | | | | | | |
| 7) Chloroethane | 1.569 | 64 | 12531 | 4.378 | ug/L | 94 |
| 11) Freon 123a | 1.971 | 67 | 4689 | 1.363 | ug/L # | 73 |
| 16) Acetone | 2.197 | 43 | 103544 | 56.880 | ug/L | 94 |
| 22) Methyl Acetate | 2.489 | 43 | 1591 | 0.386 | ug/L | 98 |
| 28) 1,1-Dicethane | 3.306 | 63 | 44337 | 8.274 | ug/L | 93 |
| 35) 2-Butanone | 4.166 | 43 | 14308 | 6.652 | ug/L | 99 |
| 40) Chloroform | 4.635 | 83 | 1939 | 0.319 | ug/L | 92 |
| 41) 1,1,1-Trichloroethane | 4.940 | 97 | 5494m | 0.995 | ug/L | |
| 49) Benzene | 5.580 | 78 | 3517 | 0.288 | ug/L # | 40 |
| 64) 4-Methyl-2-pentanone | 8.037 | 43 | 1781 | 0.440 | ug/L | 97 |
| 73) 2-Hexanone | 8.964 | 43 | 4109 | 1.358 | ug/L | 93 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5481.D
Acq On : 14 Sep 2023 04:37 pm
Operator : K.Ruest
Sample : R2308315-010|1.0
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

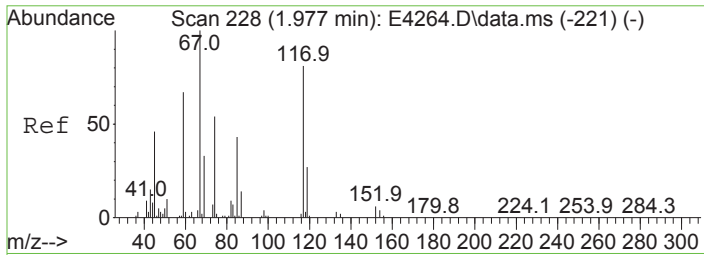
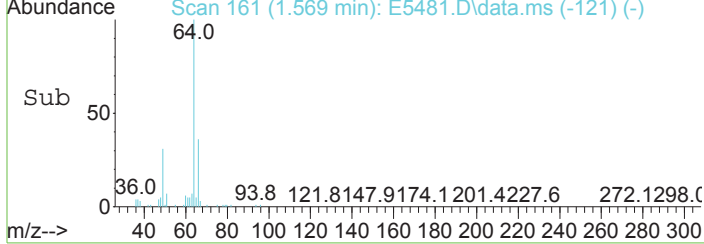
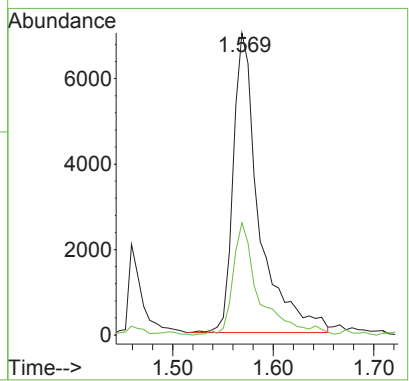
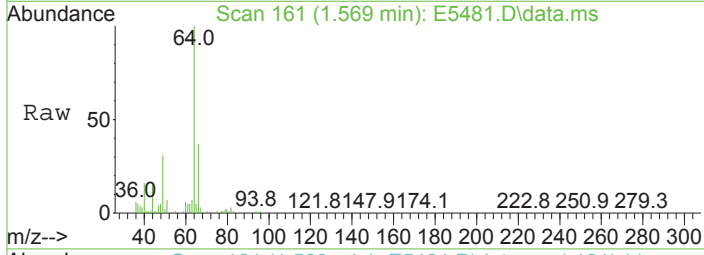
Quant Time: Sep 14 16:58:17 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





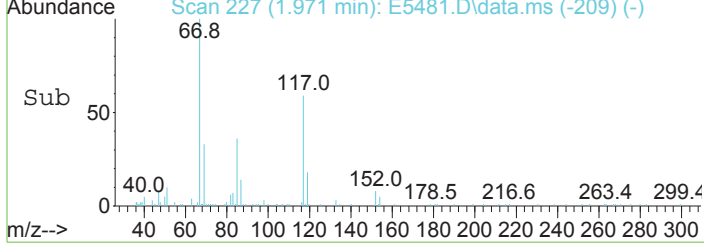
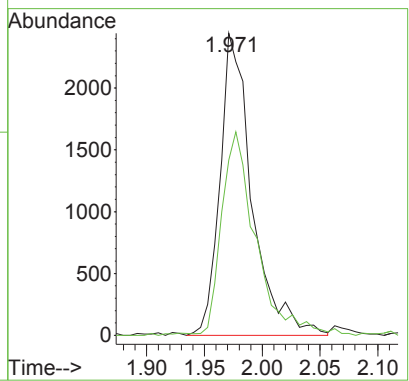
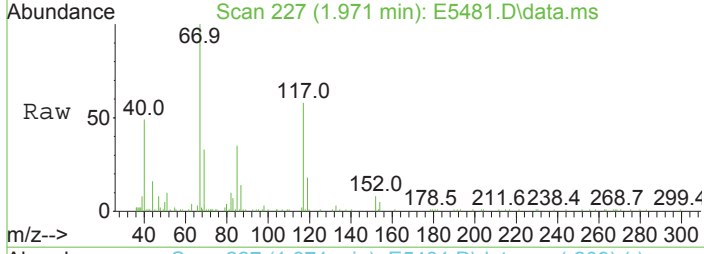
#7
 Chloroethane
 Concen: 4.38 ug/L
 RT: 1.569 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

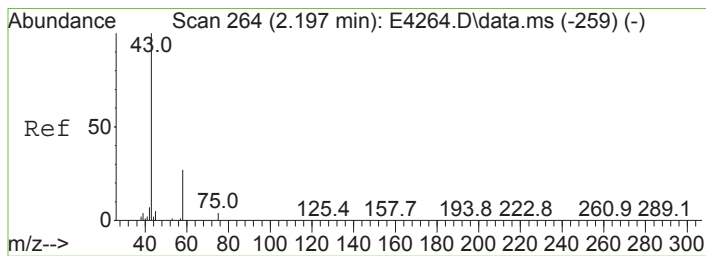
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 64 | 100 | | |
| 66 | 37.1 | 13.8 | 53.8 |



#11
 Freon 123a
 Concen: 1.36 ug/L
 RT: 1.971 min Scan# 227
 Delta R.T. -0.006 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

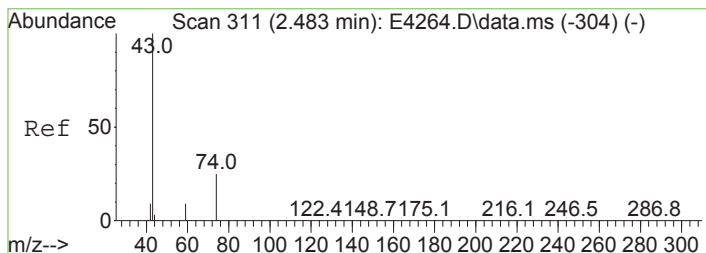
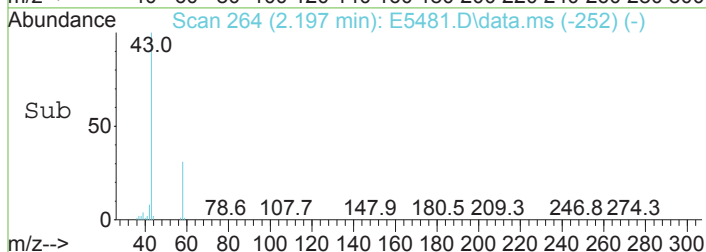
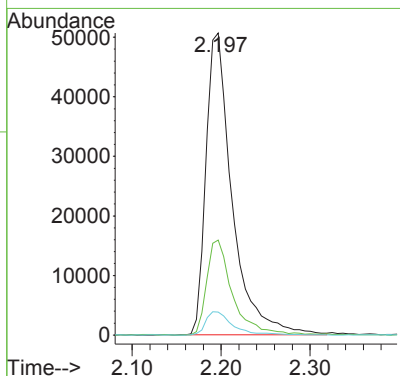
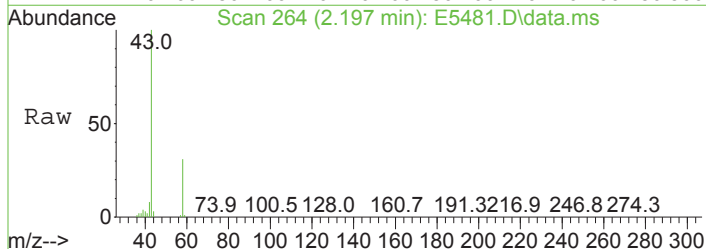
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 67 | 100 | | |
| 117 | 58.1 | 61.9 | 101.9# |





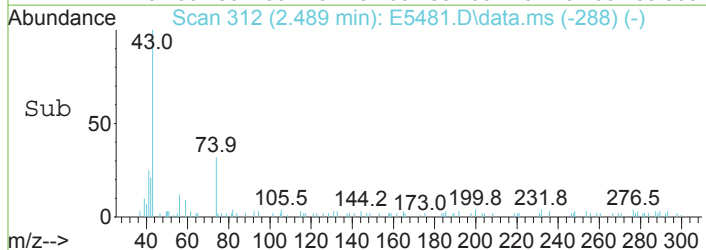
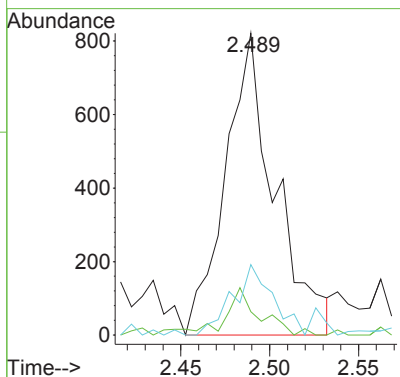
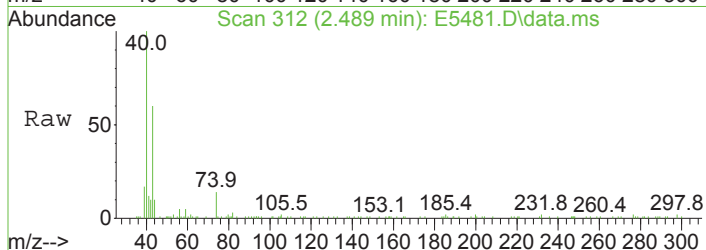
#16
 Acetone
 Concen: 56.88 ug/L
 RT: 2.197 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

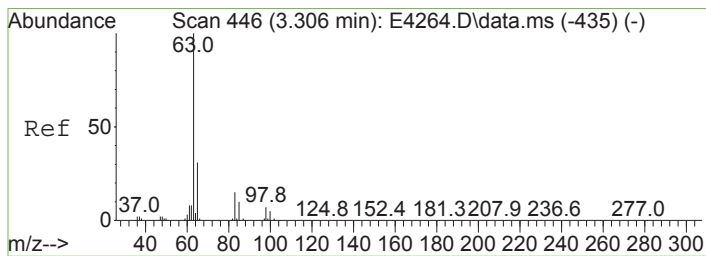
| Tgt Ion | 43 | 58 | 42 | Resp | 103544 | Lower | Upper |
|-----------|-----|------|-----|------|--------|-------|-------|
| Ion Ratio | 100 | 31.4 | 7.6 | | | | |
| | | 7.7 | 0.0 | | | 47.7 | 27.6 |



#22
 Methyl Acetate
 Concen: 0.39 ug/L
 RT: 2.489 min Scan# 312
 Delta R.T. 0.006 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

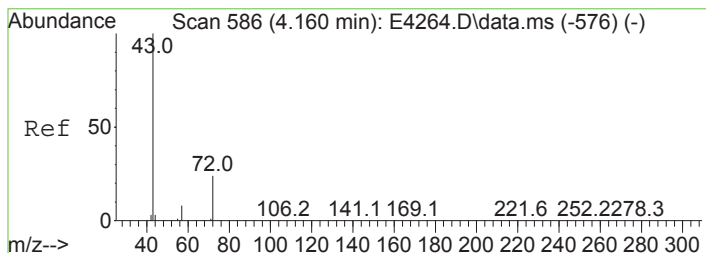
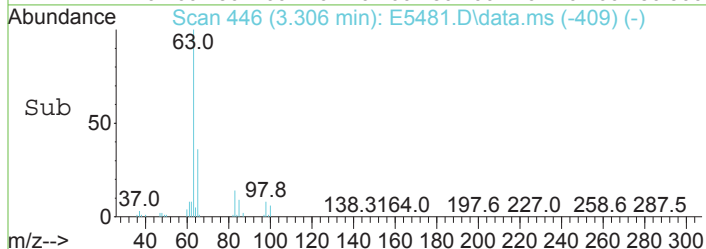
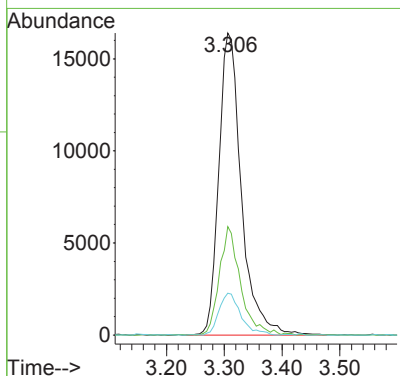
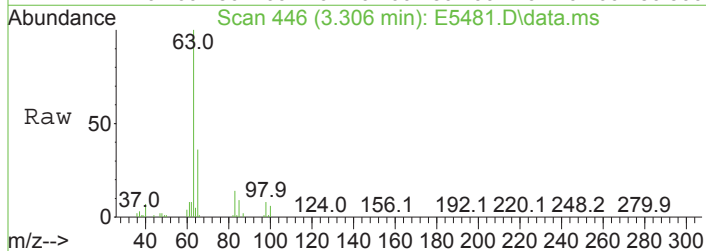
| Tgt Ion | 43 | 59 | 74 | Resp | 1591 | Lower | Upper |
|-----------|-----|-----|------|------|------|-------|-------|
| Ion Ratio | 100 | 7.8 | 24.7 | | | | |
| | | 0.0 | 5.3 | | | 29.1 | 45.3 |





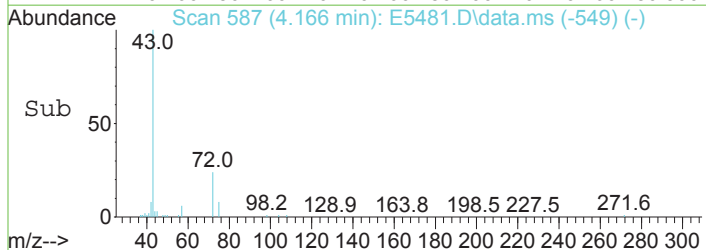
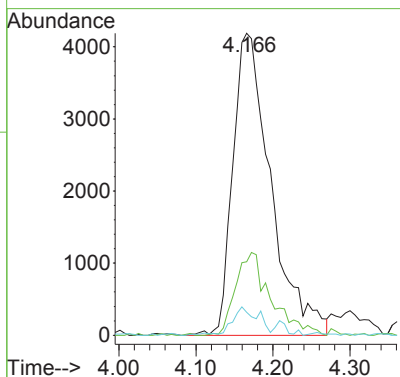
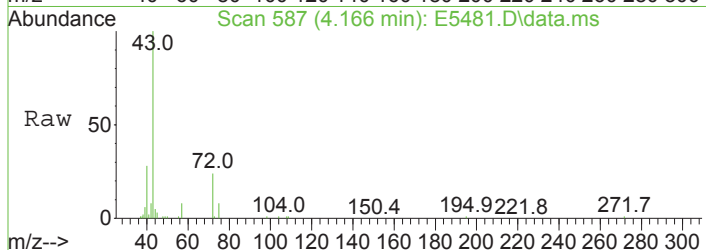
#28
 1,1-Dicloroethane
 Concen: 8.27 ug/L
 RT: 3.306 min Scan# 446
 Delta R.T. -0.000 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

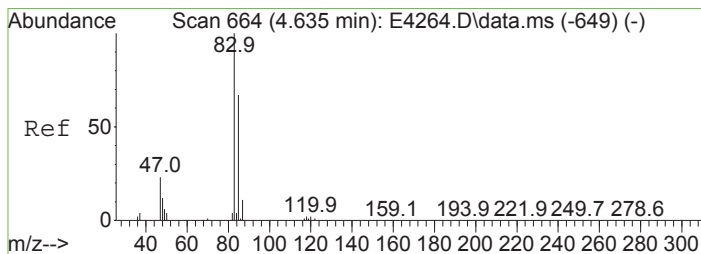
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 35.9 | 11.1 | 51.1 |
| 83 | 13.8 | 0.0 | 34.8 |



#35
 2-Butanone
 Concen: 6.65 ug/L
 RT: 4.166 min Scan# 587
 Delta R.T. 0.006 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

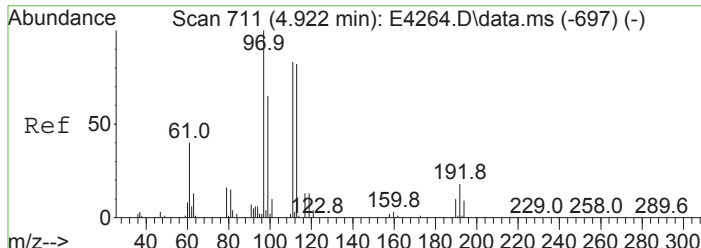
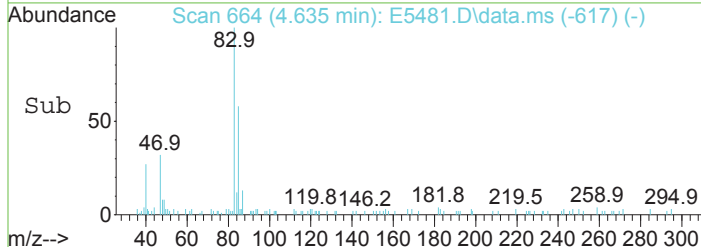
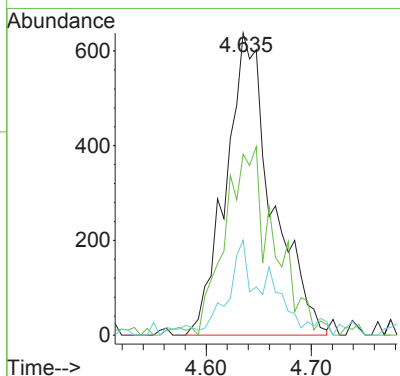
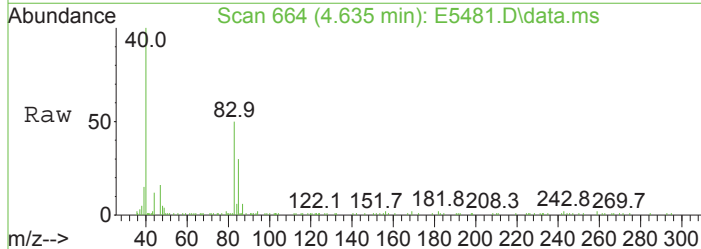
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 72 | 24.8 | 5.4 | 45.4 |
| 57 | 8.0 | 0.0 | 28.6 |





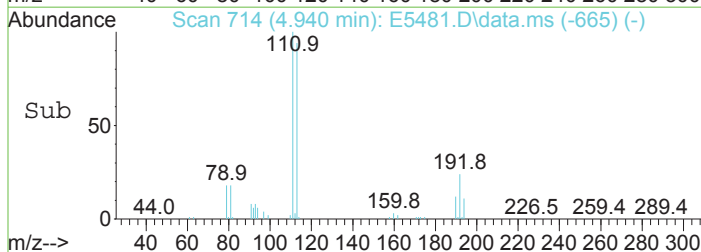
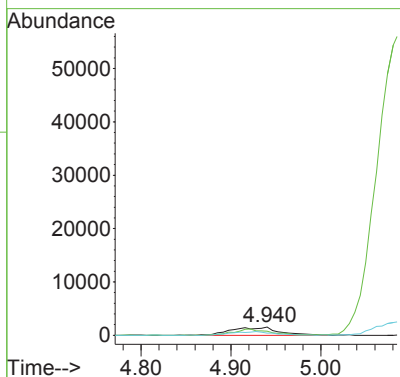
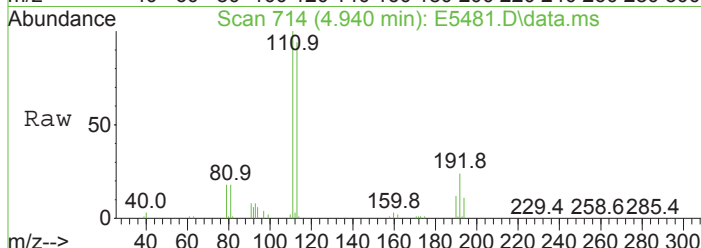
#40
 Chloroform
 Concen: 0.32 ug/L
 RT: 4.635 min Scan# 664
 Delta R.T. 0.000 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

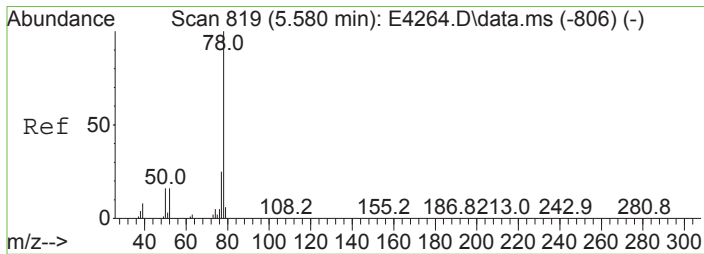
| Tgt Ion | 83 | Resp | 1939 |
|-----------|------|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 83 | 100 | | |
| 85 | 62.5 | 46.5 | 86.5 |
| 47 | 31.5 | 3.1 | 43.1 |



#41
 1,1,1-Trichloroethane
 Concen: 1.00 ug/L m
 RT: 4.940 min Scan# 714
 Delta R.T. 0.018 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

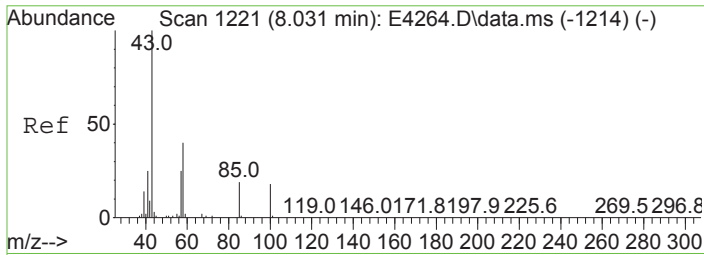
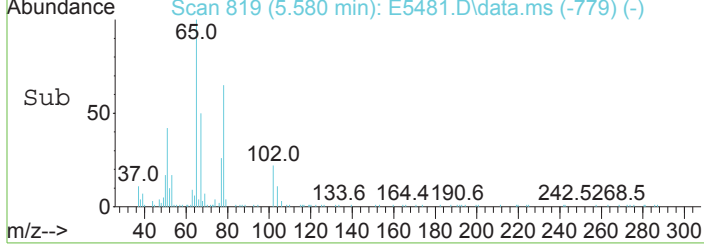
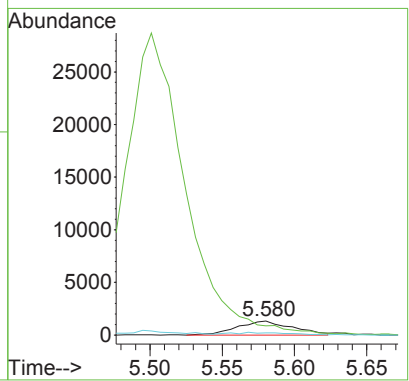
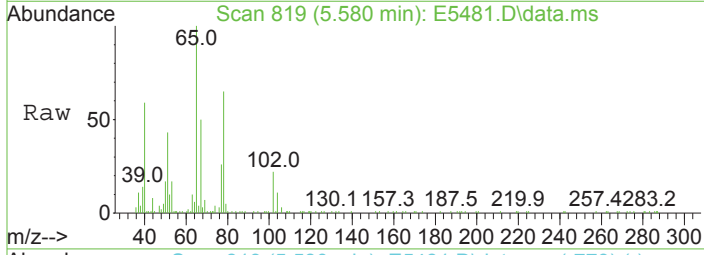
| Tgt Ion | 97 | Resp | 5494 |
|-----------|------|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 97 | 100 | | |
| 99 | 49.4 | 45.0 | 85.0 |
| 61 | 26.8 | 20.4 | 60.4 |





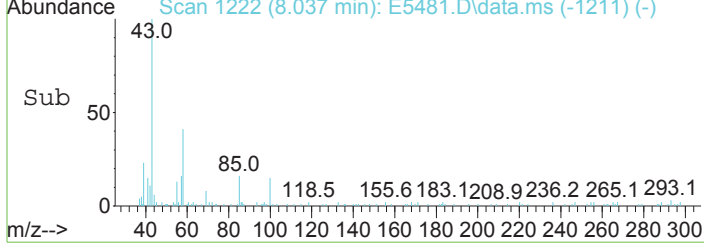
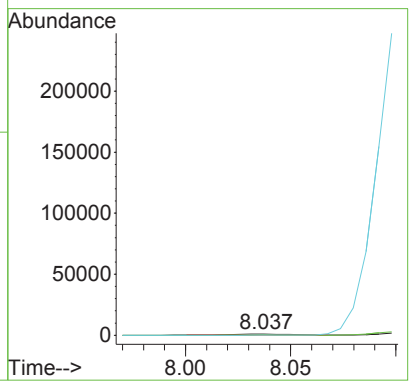
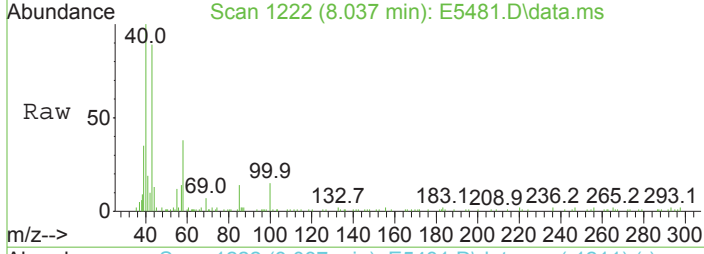
#49
 Benzene
 Concen: 0.29 ug/L
 RT: 5.580 min Scan# 819
 Delta R.T. 0.000 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

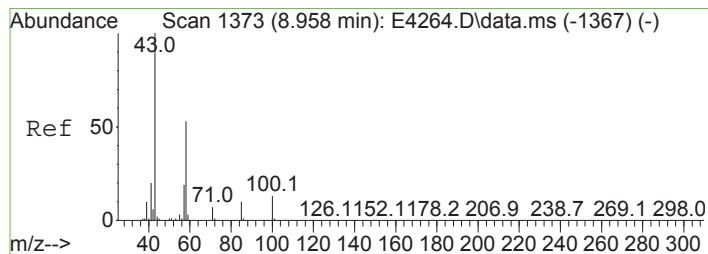
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 51 | 66.3 | 0.0 | 37.0# |
| 52 | 15.1 | 0.0 | 36.0 |



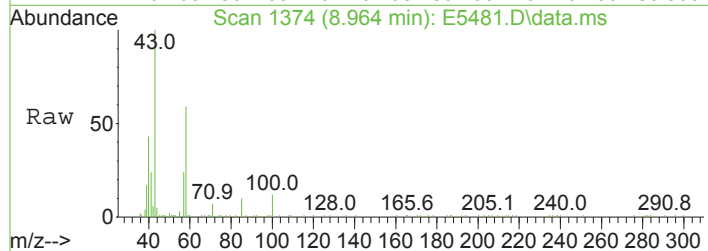
#64
 4-Methyl-2-pentanone
 Concen: 0.44 ug/L
 RT: 8.037 min Scan# 1222
 Delta R.T. 0.006 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 42.5 | 20.0 | 60.0 |
| 100 | 16.7 | 0.0 | 37.6 |

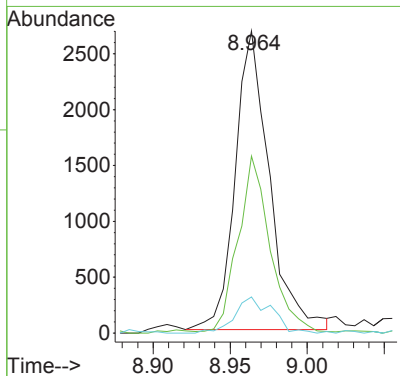
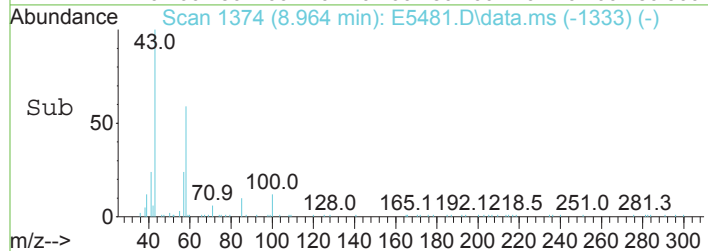




#73
 2-Hexanone
 Concen: 1.36 ug/L
 RT: 8.964 min Scan# 1374
 Delta R.T. 0.006 min
 Lab File: E5481.D
 Acq: 14 Sep 2023 04:37 pm

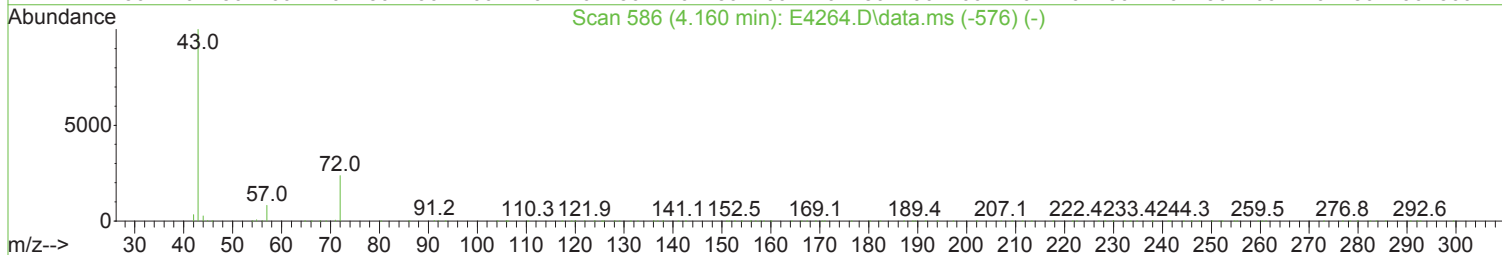
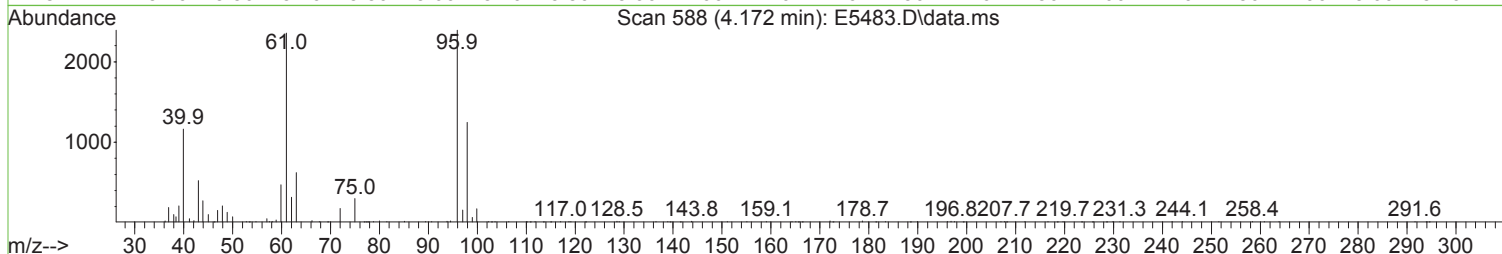
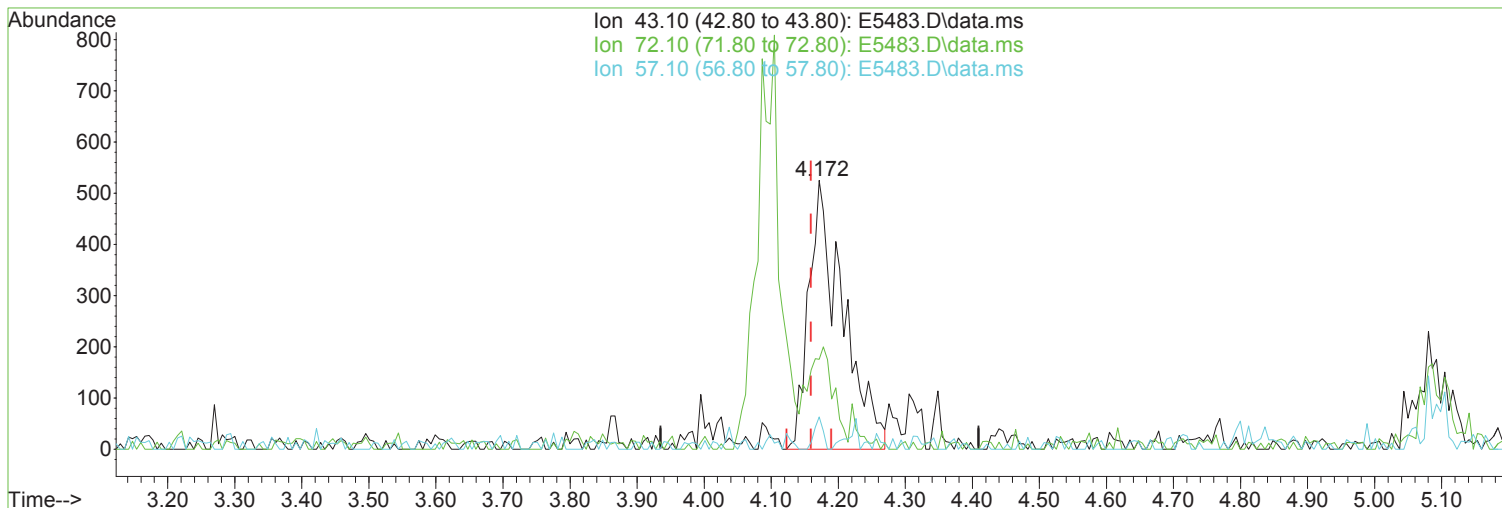


| Tgt Ion | 43 | Resp | 4109 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 43 | 100 | | |
| 58 | 58.5 | 33.1 | 73.1 |
| 100 | 12.0 | 0.0 | 32.9 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5483.D
 Acq On : 14 Sep 2023 05:23 pm
 Operator : K.Ruest
 Sample : R2308315-009|2.0
 Misc : VERINA 8260 T4
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 09:19:49 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



(35) 2-Butanone (P)

4.172min (+ 0.012) 0.83 ug/L m

response 1850

| Ion | Exp% | Act% |
|-------|--------|--------|
| 43.10 | 100.00 | 100.00 |
| 72.10 | 25.40 | 33.52 |
| 57.10 | 8.60 | 9.33 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

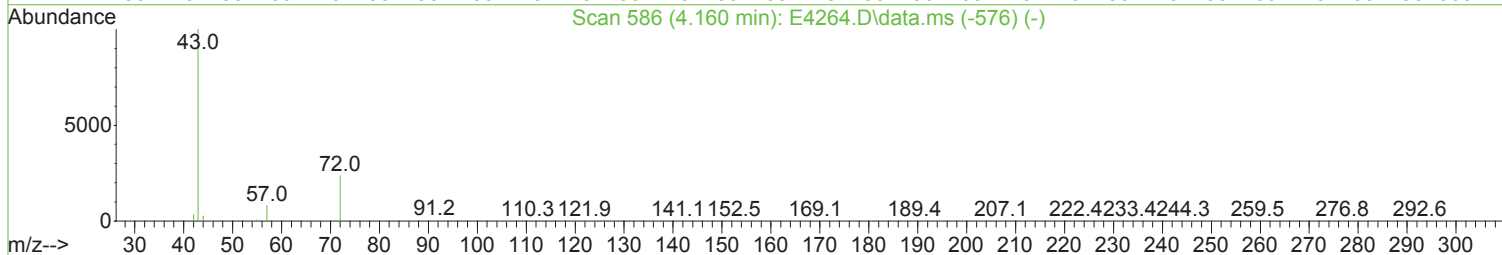
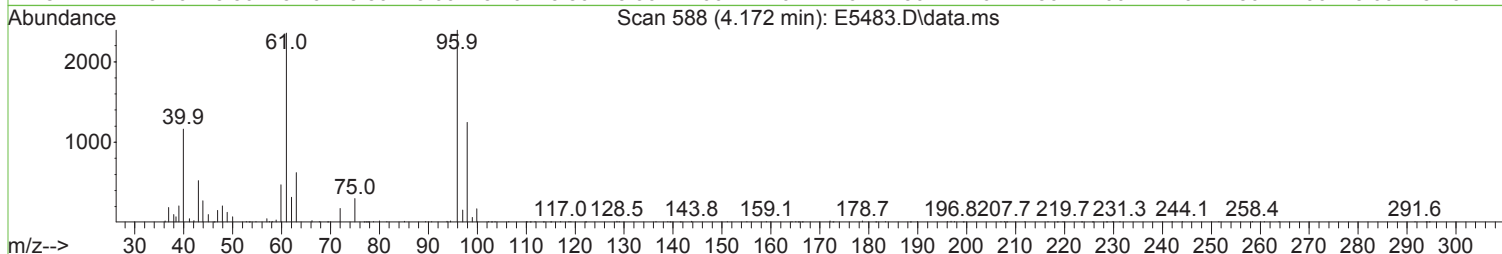
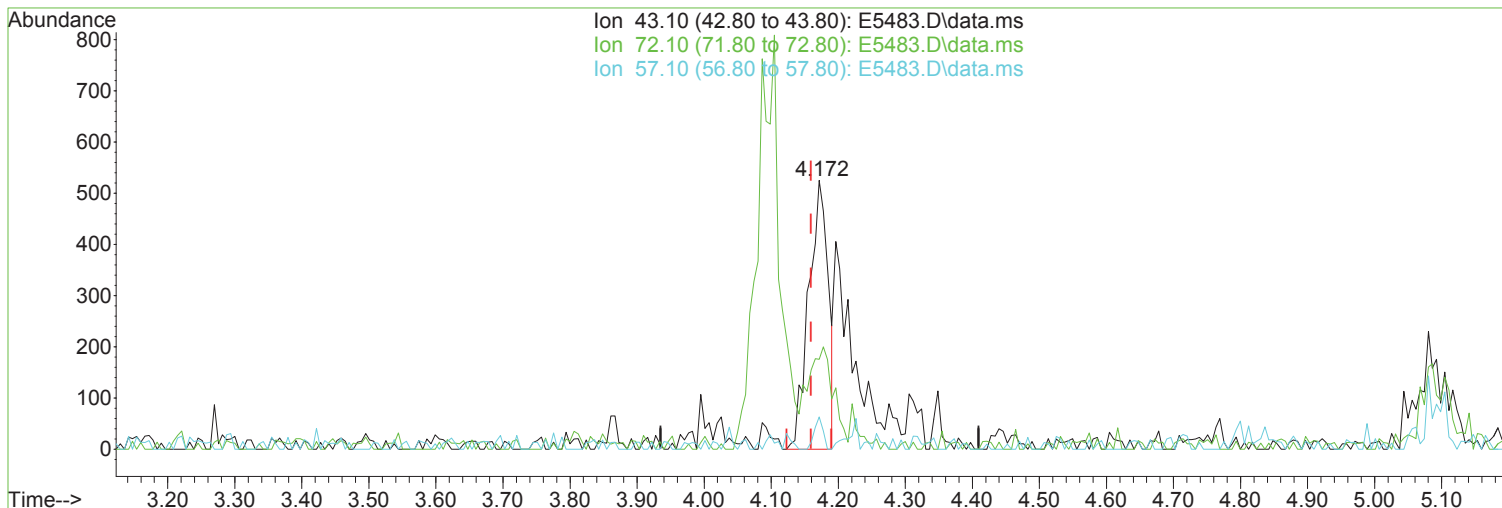
After

Split Peak.

09/18/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5483.D
 Acq On : 14 Sep 2023 05:23 pm
 Operator : K.Ruest
 Sample : R2308315-009|2.0
 Misc : VERINA 8260 T4
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 09:19:49 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



| (35) 2-Butanone (P) | | | Manual Integration: |
|---------------------|-----------|--------|---------------------|
| 4.172min (+ 0.012) | 0.48 ug/L | | Before |
| response | 1061 | | |
| Ion | Exp% | Act% | 09/18/23 |
| 43.10 | 100.00 | 100.00 | |
| 72.10 | 25.40 | 33.52 | |
| 57.10 | 8.60 | 12.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5483.D
 Acq On : 14 Sep 2023 05:23 pm
 Operator : K.Ruest
 Sample : R2308315-009|2.0
 Misc : VERINA 8260 T4
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 09:19:49 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

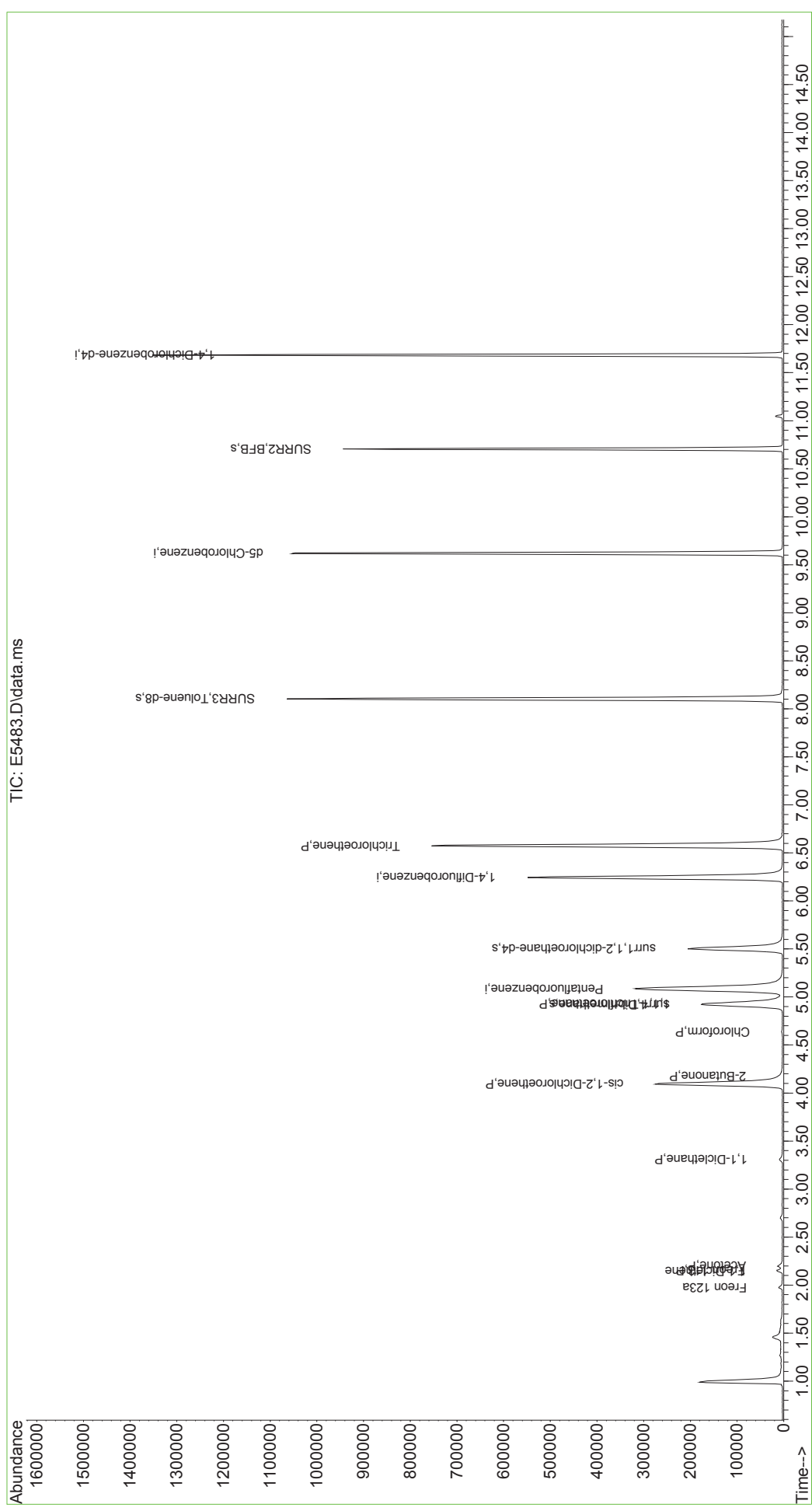
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|--------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 404907 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 578593 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 518769 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 263231 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 173385 | 45.31 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 90.62% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 210066 | 47.91 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 95.82% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 685576 | 49.26 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 98.52% | |
| 70) SURR2,BFB | 10.707 | 95 | 231545 | 43.66 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 87.32% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 11) Freon 123a | 1.977 | 67 | 4173 | 1.176 | ug/L | 97 |
| 14) 1,1-Diclcethene | 2.142 | 96 | 1498 | 0.488 | ug/L | 92 |
| 15) Freon 113 | 2.154 | 101 | 3747 | 1.113 | ug/L # | 71 |
| 16) Acetone | 2.196 | 43 | 11592 | 6.171 | ug/L | 92 |
| 28) 1,1-Diclcethane | 3.306 | 63 | 8038 | 1.454 | ug/L | 96 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 191243 | 50.095 | ug/L | 88 |
| 35) 2-Butanone | 4.172 | 43 | 1850m | 0.833 | ug/L | |
| 40) Chloroform | 4.635 | 83 | 1468 | 0.234 | ug/L | 94 |
| 41) 1,1,1-Trichloroethane | 4.928 | 97 | 4827 | 0.847 | ug/L | 90 |
| 54) Trichloroethene | 6.574 | 130 | 314981 | 80.853 | ug/L | 98 |

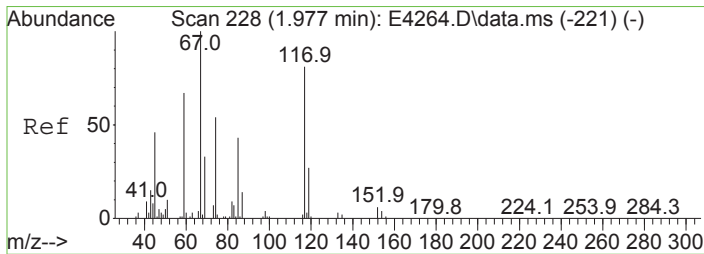
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5483.D
Acq On : 14 Sep 2023 05:23 pm
Operator : K.Ruest
Sample : R2308315-009|2.0
Misc : VERINA 8260 T4
ALS Vial : 7 Sample Multiplier: 1

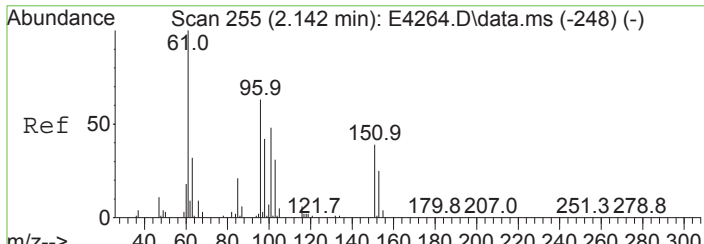
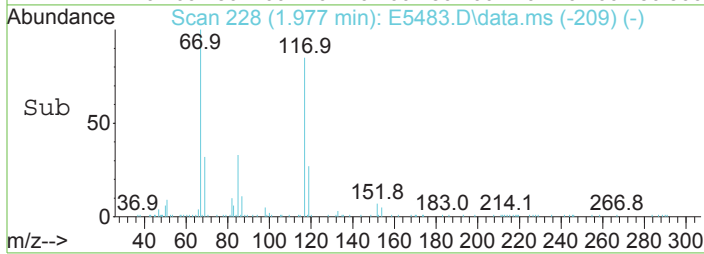
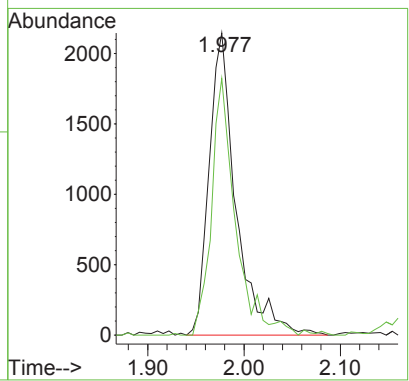
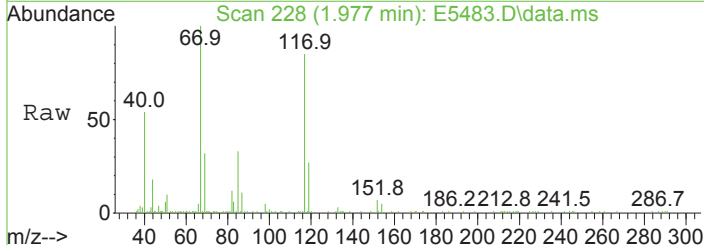
Quant Time: Sep 15 09:19:49 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





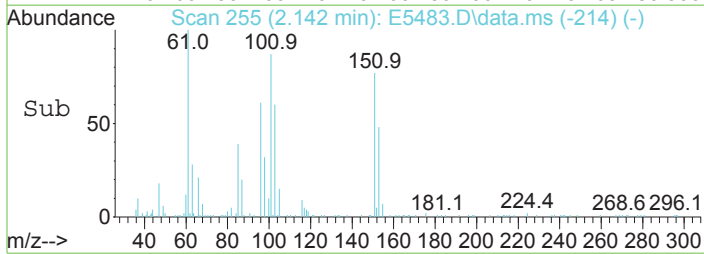
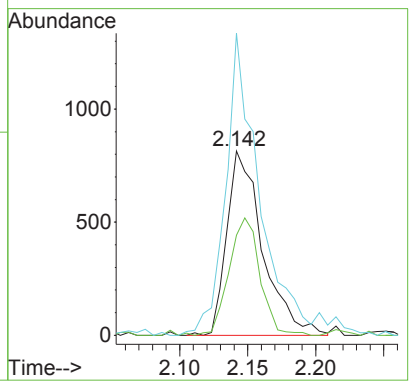
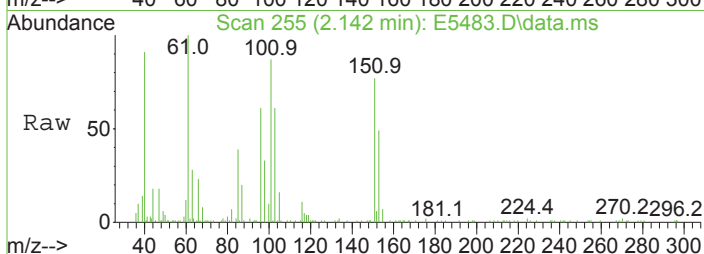
#11
 Freon 123a
 Concen: 1.18 ug/L
 RT: 1.977 min Scan# 228
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

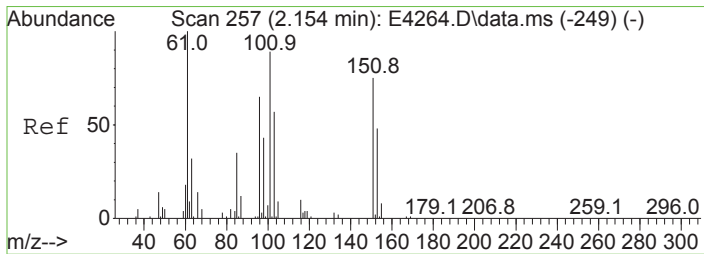
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 67 | 100 | | |
| 117 | 85.0 | 61.9 | 101.9 |



#14
 1,1-Diclcethene
 Concen: 0.49 ug/L
 RT: 2.142 min Scan# 255
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

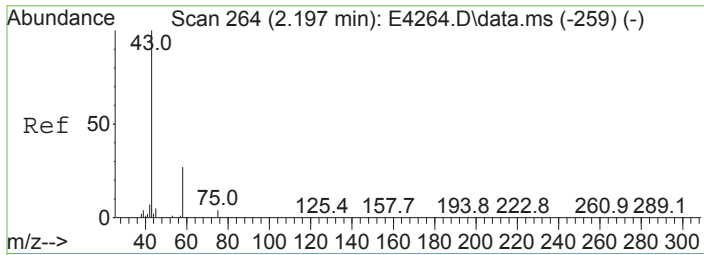
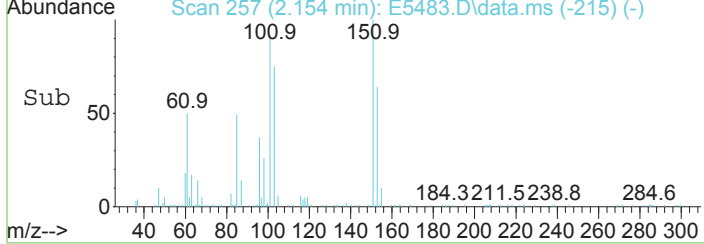
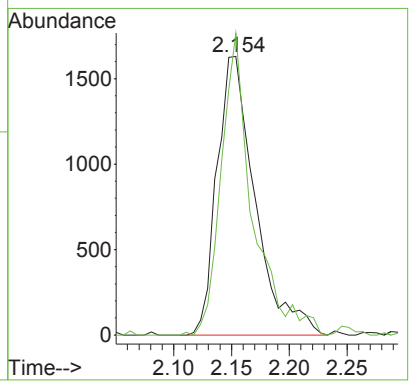
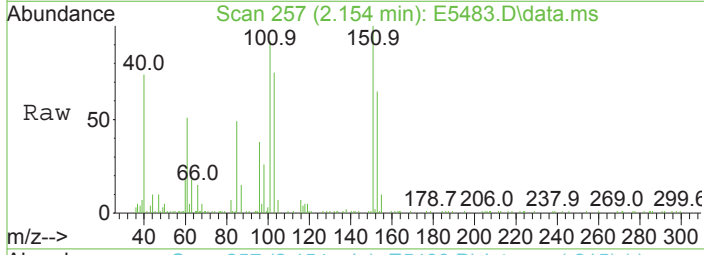
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 98 | 54.3 | 47.0 | 87.0 |
| 61 | 164.0 | 138.7 | 178.7 |





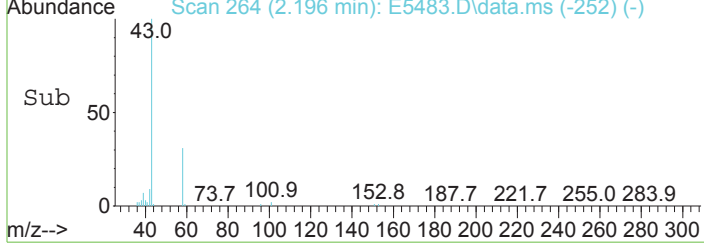
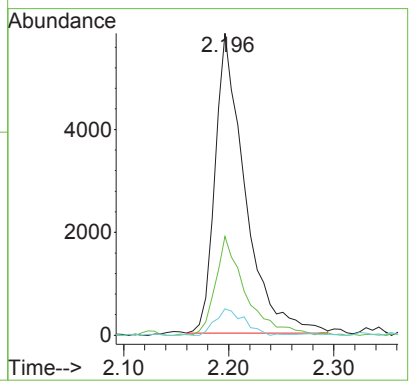
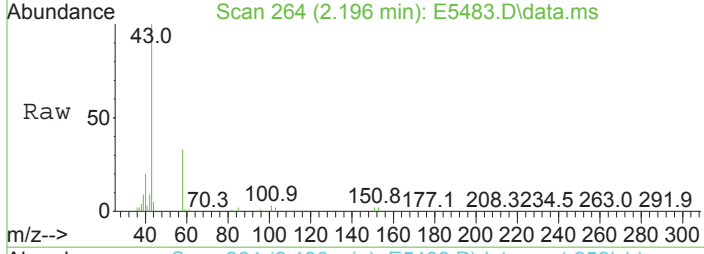
#15
 Freon 113
 Concen: 1.11 ug/L
 RT: 2.154 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

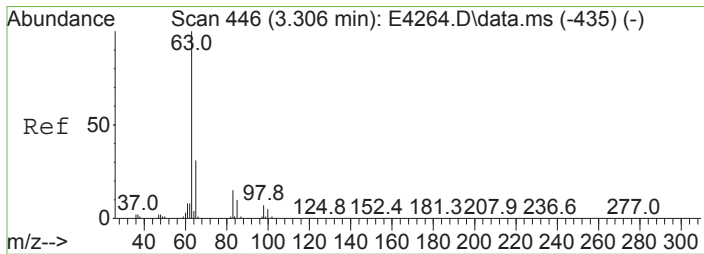
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 101 | 3747 | | |
| 151 | 110.6 | 64.6 | 104.6# |



#16
 Acetone
 Concen: 6.17 ug/L
 RT: 2.196 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

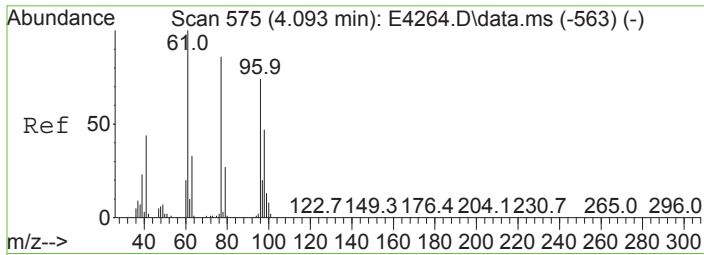
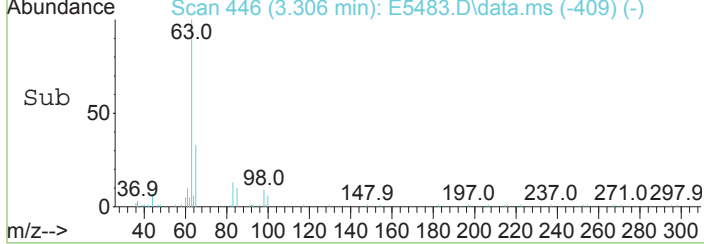
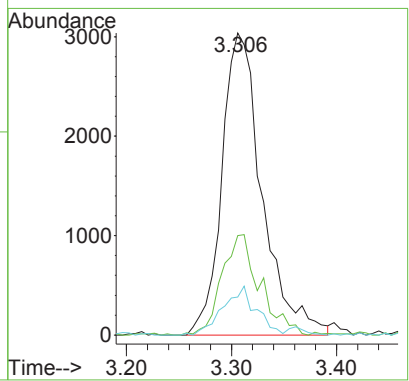
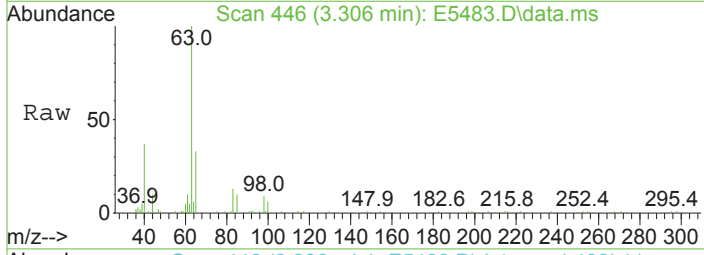
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 11592 | | |
| 58 | 32.8 | 7.7 | 47.7 |
| 42 | 8.7 | 0.0 | 27.6 |





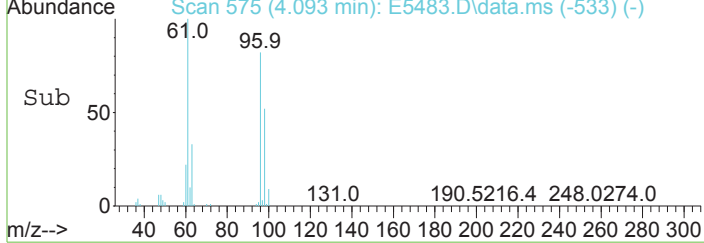
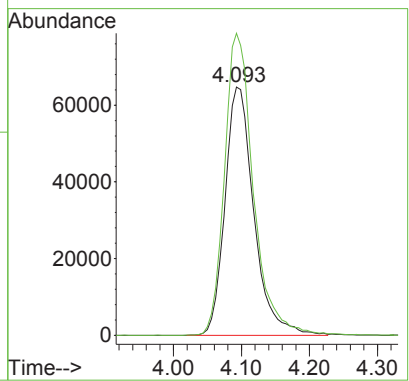
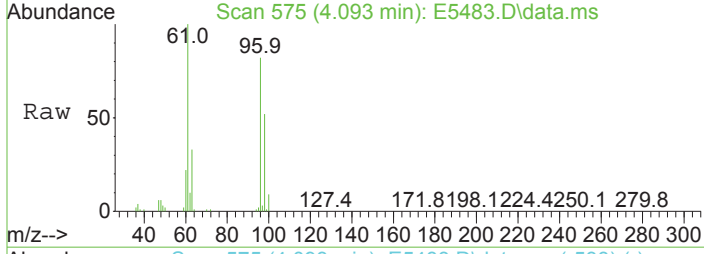
#28
 1,1-Dicylethane
 Concen: 1.45 ug/L
 RT: 3.306 min Scan# 446
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

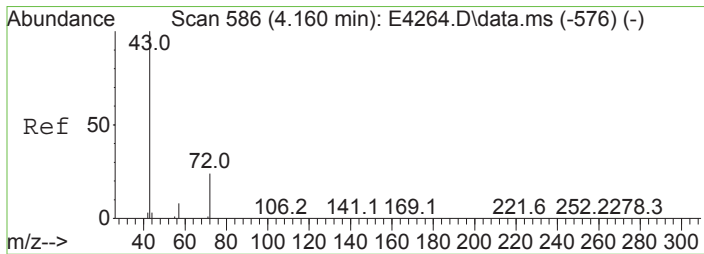
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 32.9 | 11.1 | 51.1 |
| 83 | 12.5 | 0.0 | 34.8 |



#34
 cis-1,2-Dichloroethene
 Concen: 50.10 ug/L
 RT: 4.093 min Scan# 575
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

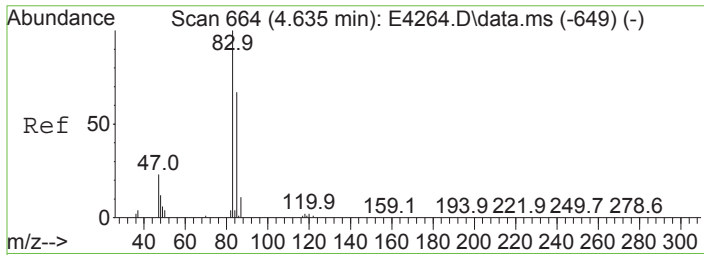
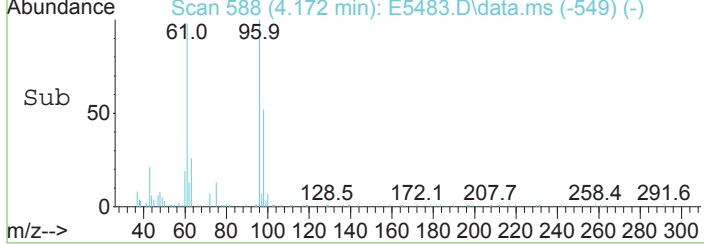
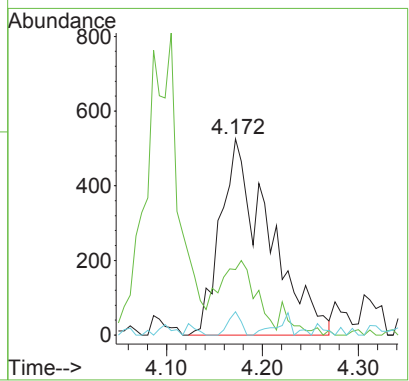
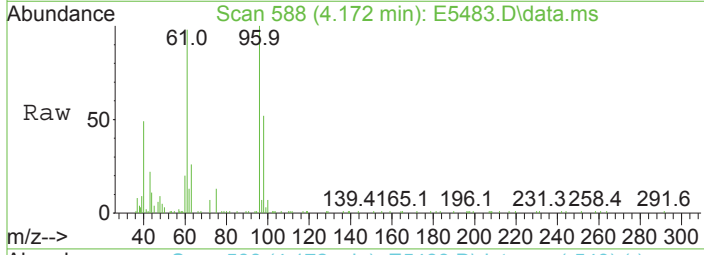
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 121.7 | 116.1 | 156.1 |





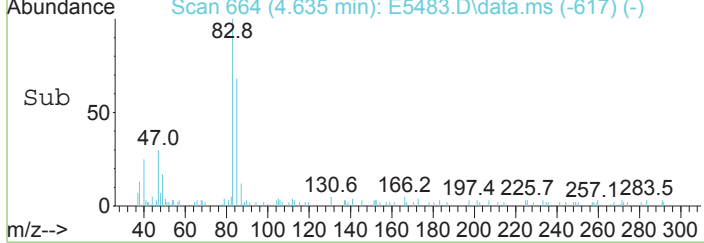
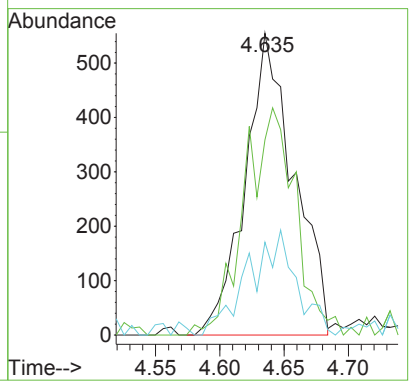
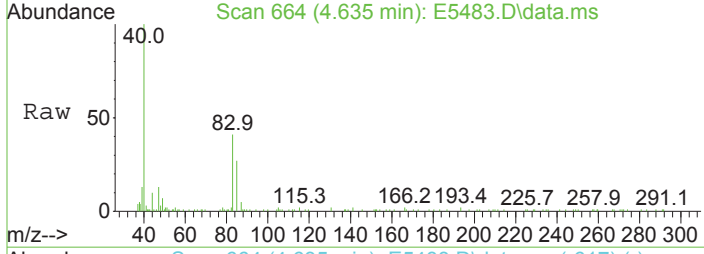
#35
 2-Butanone
 Concen: 0.83 ug/L m
 RT: 4.172 min Scan# 588
 Delta R.T. 0.012 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

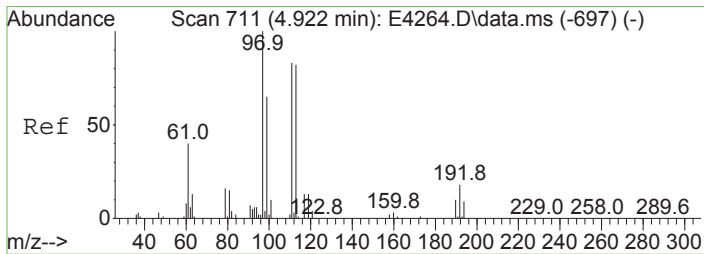
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1850 | | |
| 72 | 33.5 | 5.4 | 45.4 |
| 57 | 9.3 | 0.0 | 28.6 |



#40
 Chloroform
 Concen: 0.23 ug/L
 RT: 4.635 min Scan# 664
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

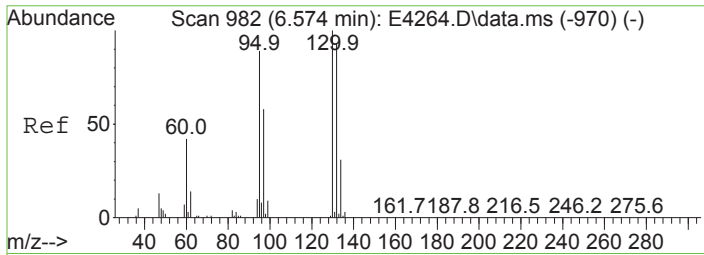
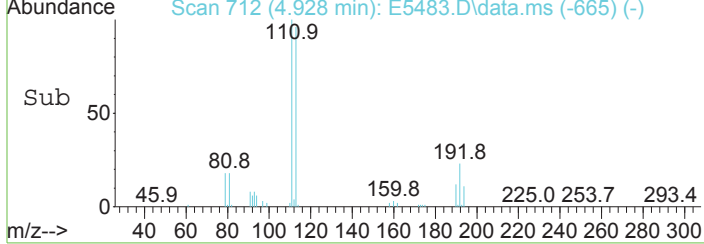
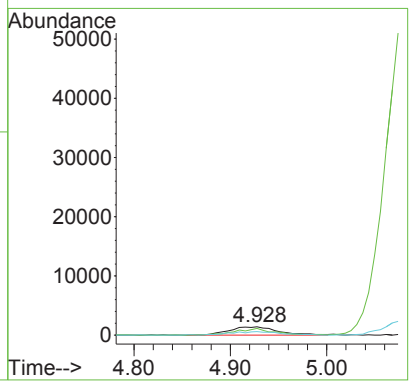
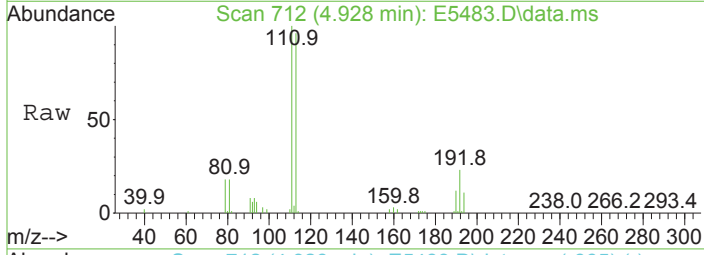
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 1468 | | |
| 85 | 64.7 | 46.5 | 86.5 |
| 47 | 30.8 | 3.1 | 43.1 |





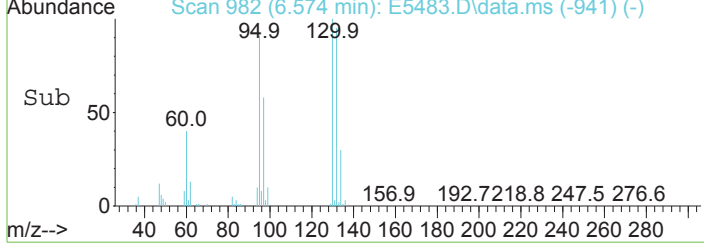
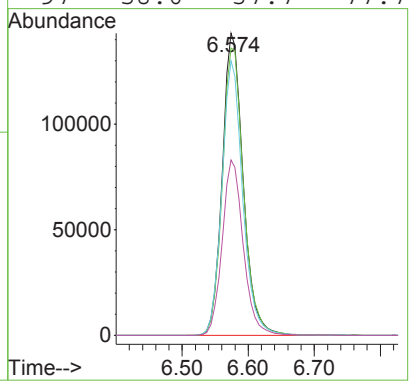
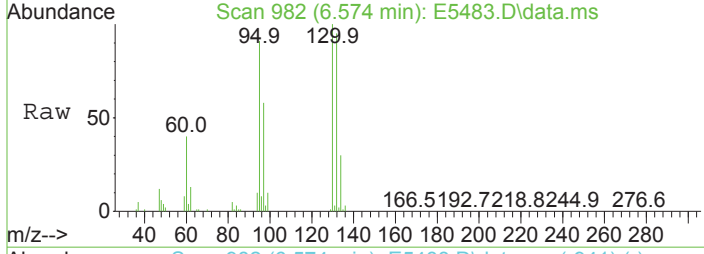
#41
 1,1,1-Trichloroethane
 Concen: 0.85 ug/L
 RT: 4.928 min Scan# 712
 Delta R.T. 0.006 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 4827 | | |
| 97 | 100 | | |
| 99 | 78.3 | 45.0 | 85.0 |
| 61 | 40.4 | 20.4 | 60.4 |



#54
 Trichloroethene
 Concen: 80.85 ug/L
 RT: 6.574 min Scan# 982
 Delta R.T. -0.000 min
 Lab File: E5483.D
 Acq: 14 Sep 2023 05:23 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 130 | 314981 | | |
| 130 | 100 | | |
| 132 | 95.1 | 73.0 | 113.0 |
| 95 | 90.9 | 68.9 | 108.9 |
| 97 | 58.0 | 37.7 | 77.7 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5463.D
 Acq On : 14 Sep 2023 08:22 am
 Operator : K.Ruest
 Sample : R2308315-010|10
 Misc : VERINA 8260 T4
 ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 14 09:53:05 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

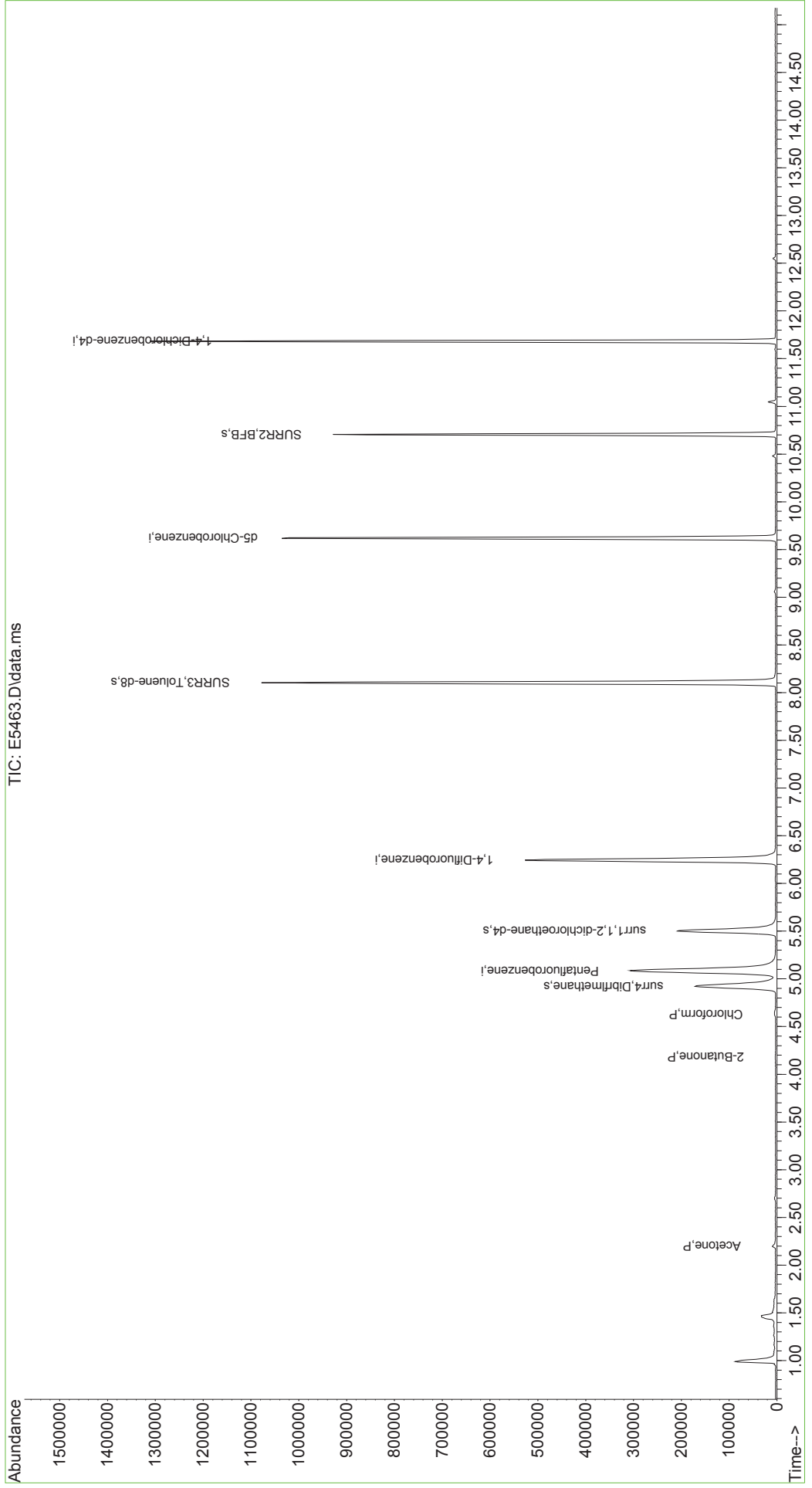
DIL OK - MATRIX

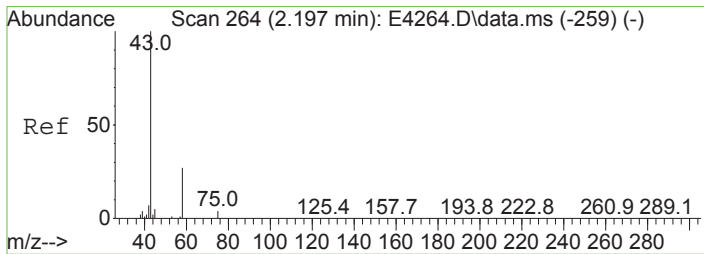
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 390051 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 558095 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 503003 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 259540 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 174732 | 47.34 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 94.68% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 216919 | 51.29 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 102.58% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 691372 | 51.50 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 103.00% | |
| 70) SURR2,BFB | 10.707 | 95 | 232072 | 45.37 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 90.74% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.197 | 43 | 9126 | 5.043 | ug/L | 99 |
| 35) 2-Butanone | 4.184 | 43 | 1203 | 0.563 | ug/L | 87 |
| 40) Chloroform | 4.629 | 83 | 2972 | 0.492 | ug/L | 84 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5463.D
Acq On : 14 Sep 2023 08:22 am
Operator : K.Ruest
Sample : R2308315-010|10
Misc : VERINA 8260 T4
ALS Vial : 54 Sample Multiplier: 1

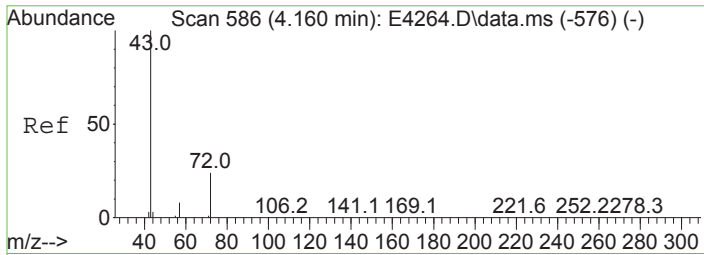
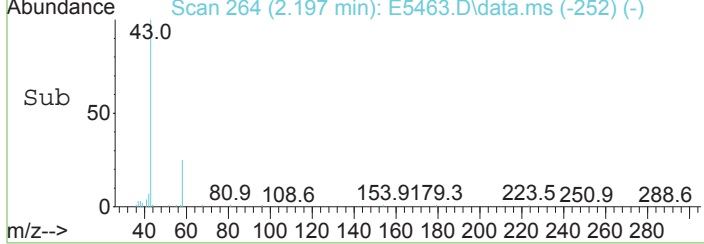
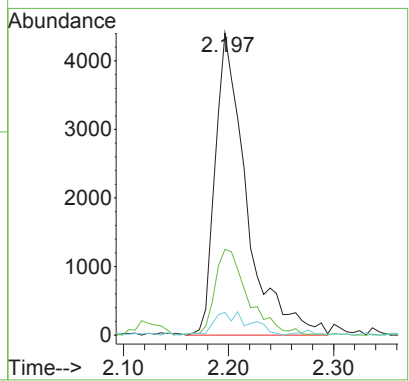
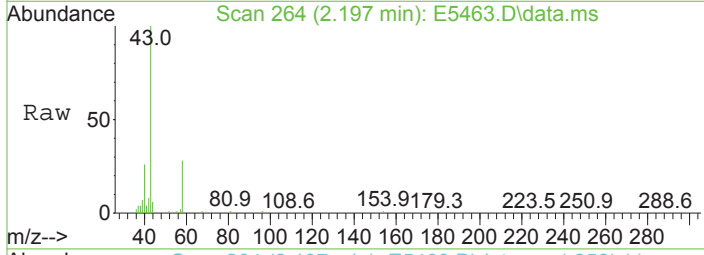
Quant Time: Sep 14 09:53:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





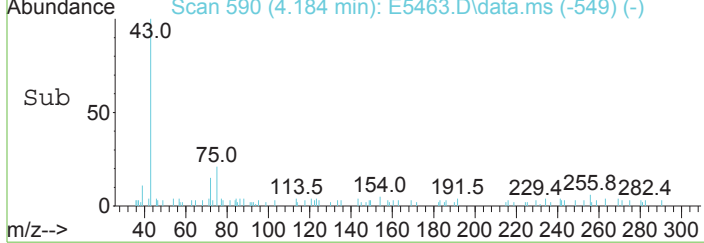
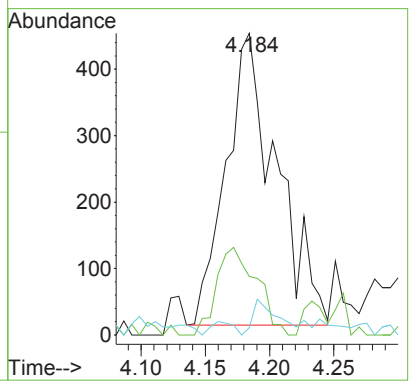
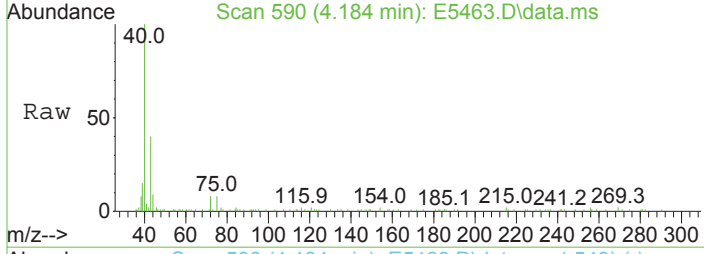
#16
 Acetone
 Concen: 5.04 ug/L
 RT: 2.197 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: E5463.D
 Acq: 14 Sep 2023 08:22 am

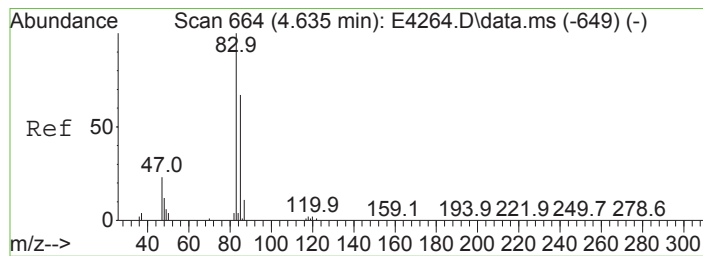
| Tgt Ion | 43 | 58 | 42 | Resp | 9126 | Lower | Upper |
|-----------|-----|------|-----|------|------|-------|-------|
| Ion Ratio | 100 | 28.3 | 7.5 | | | 7.7 | 47.7 |
| | | | | | | 0.0 | 27.6 |



#35
 2-Butanone
 Concen: 0.56 ug/L
 RT: 4.184 min Scan# 590
 Delta R.T. 0.024 min
 Lab File: E5463.D
 Acq: 14 Sep 2023 08:22 am

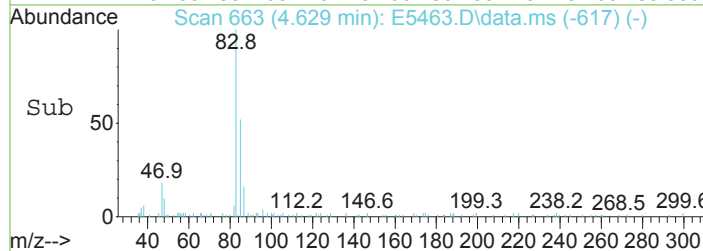
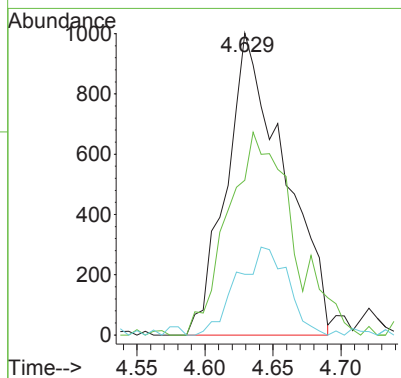
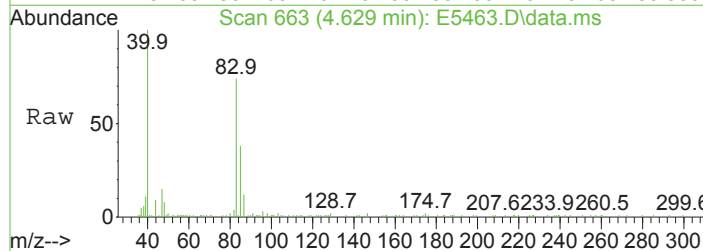
| Tgt Ion | 43 | 72 | 57 | Resp | 1203 | Lower | Upper |
|-----------|-----|------|-----|------|------|-------|-------|
| Ion Ratio | 100 | 19.4 | 2.4 | | | 5.4 | 45.4 |
| | | | | | | 0.0 | 28.6 |





#40
 Chloroform
 Concen: 0.49 ug/L
 RT: 4.629 min Scan# 663
 Delta R.T. -0.006 min
 Lab File: E5463.D
 Acq: 14 Sep 2023 08:22 am

| Tgt Ion | 83 | Resp | 2972 |
|-----------|------|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 83 | 100 | | |
| 85 | 51.3 | 46.5 | 86.5 |
| 47 | 20.2 | 3.1 | 43.1 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5498.D
 Acq On : 14 Sep 2023 11:08 pm
 Operator : K.Ruest
 Sample : R2308315-011|1.0
 Misc : VERINA 8260 T4
 ALS Vial : 22 Sample Multiplier: 1

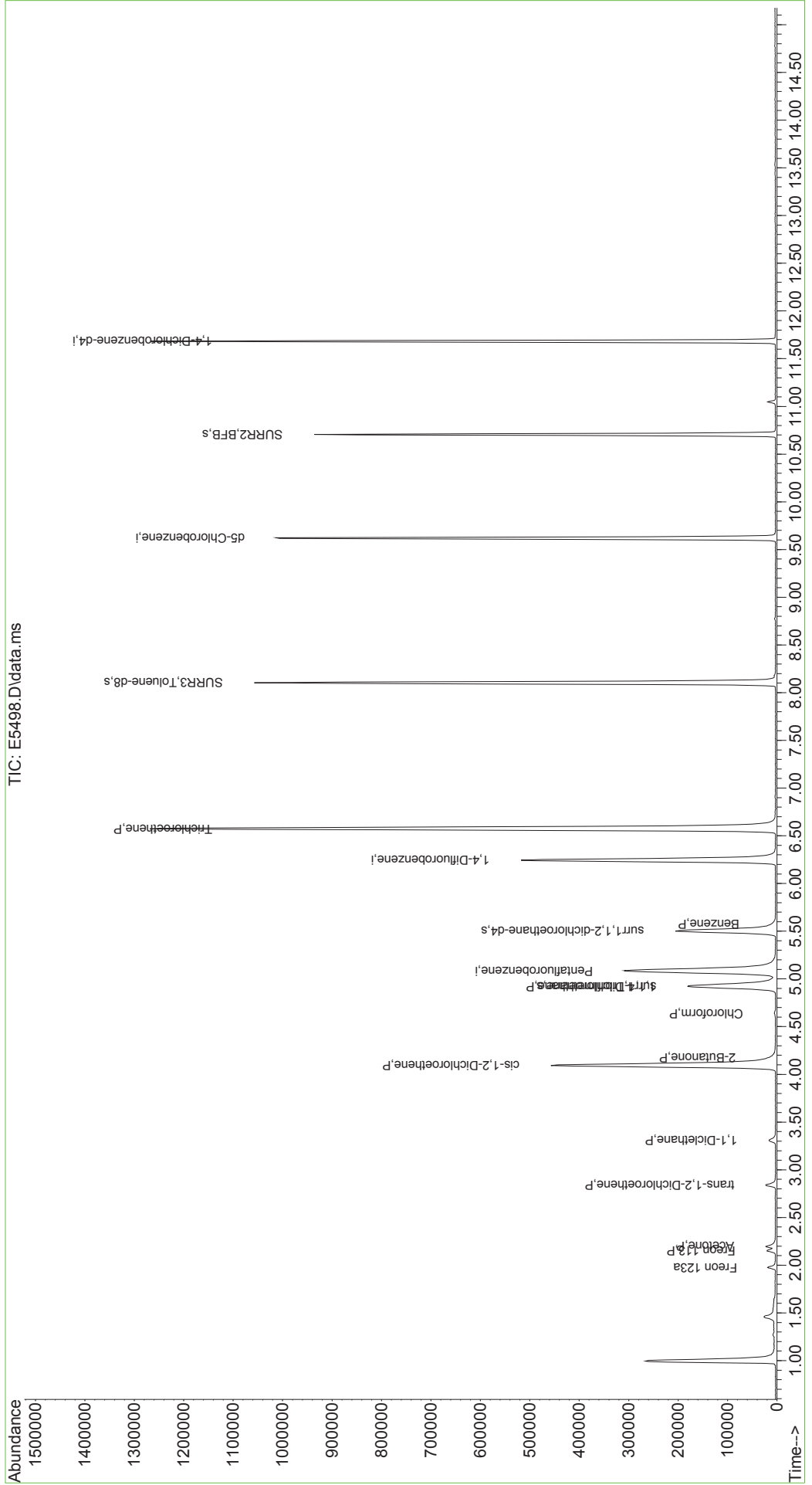
Quant Time: Sep 15 09:44:33 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

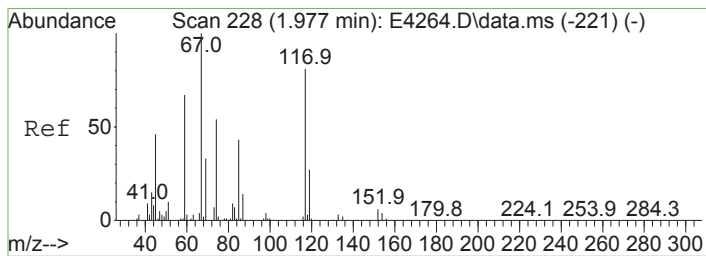
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|---------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 391658 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 560734 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 497852 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 253372 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 173689 | 46.84 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 93.68% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 211739 | 49.83 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 99.66% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 684328 | 50.73 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 101.46% | |
| 70) SURR2,BFB | 10.707 | 95 | 230743 | 44.90 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 89.80% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 11) Freon 123a | 1.971 | 67 | 7669 | 2.234 | ug/L | 82 |
| 15) Freon 113 | 2.148 | 101 | 7394 | 2.271 | ug/L | 84 |
| 16) Acetone | 2.197 | 43 | 23069 | 12.696 | ug/L | 92 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 9689 | 2.876 | ug/L | 97 |
| 28) 1,1-Diclcethane | 3.312 | 63 | 16650 | 3.113 | ug/L | 93 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 314341 | 85.126 | ug/L | 89 |
| 35) 2-Butanone | 4.172 | 43 | 3429 | 1.597 | ug/L | 82 |
| 40) Chloroform | 4.635 | 83 | 2355 | 0.388 | ug/L | 90 |
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 9910 | 1.798 | ug/L | 89 |
| 49) Benzene | 5.574 | 78 | 2766 | 0.227 | ug/L # | 1 |
| 54) Trichloroethene | 6.574 | 130 | 535519 | 141.841 | ug/L | 99 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5498.D
Acq On : 14 Sep 2023 11:08 pm
Operator : K.Ruest
Sample : R2308315-011|1.0
Misc : VERINA 8260 T4
ALS Vial : 22 Sample Multiplier: 1

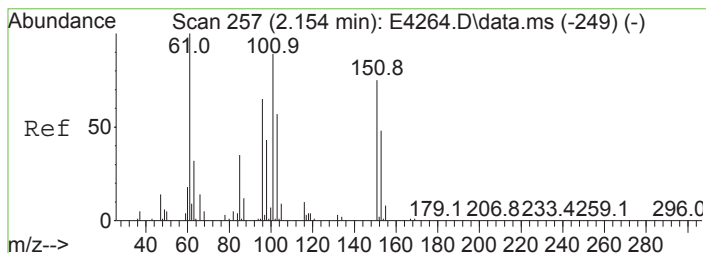
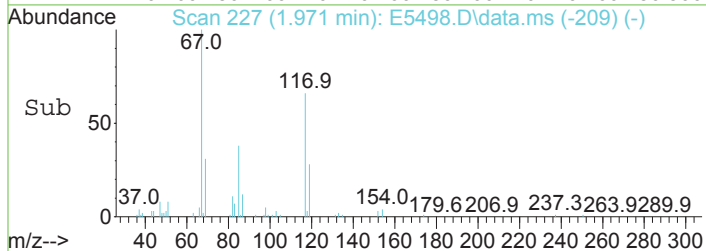
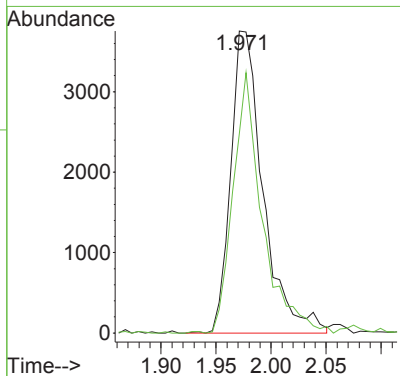
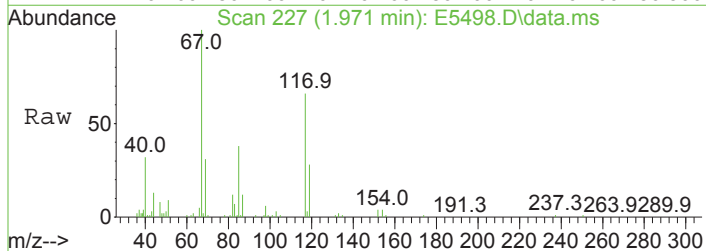
Quant Time: Sep 15 09:44:33 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





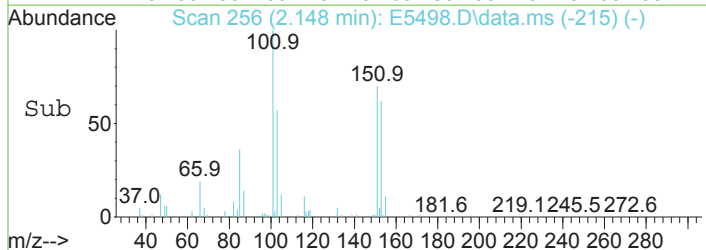
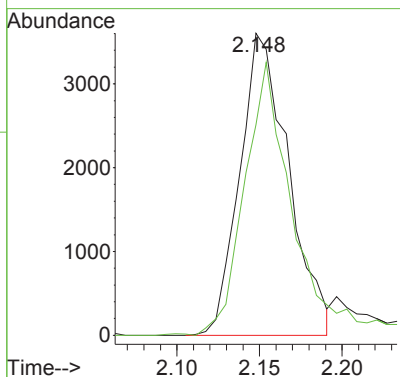
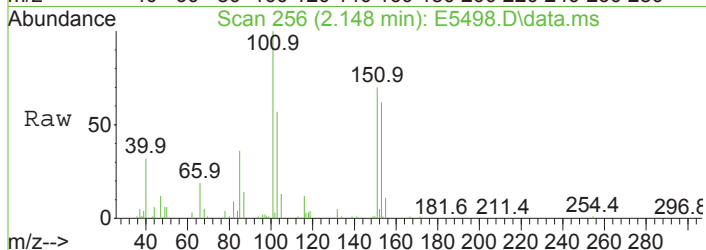
#11
 Freon 123a
 Concen: 2.23 ug/L
 RT: 1.971 min Scan# 227
 Delta R.T. -0.006 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

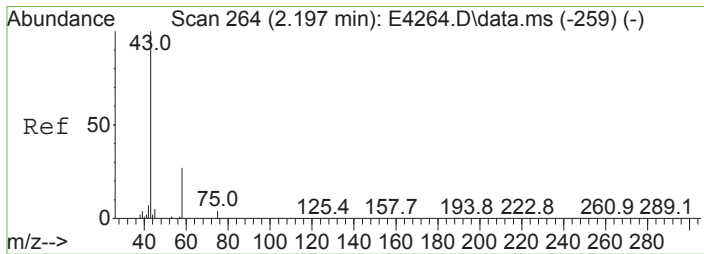
Tgt Ion: 67 Resp: 7669
 Ion Ratio Lower Upper
 67 100
 117 65.9 61.9 101.9



#15
 Freon 113
 Concen: 2.27 ug/L
 RT: 2.148 min Scan# 256
 Delta R.T. -0.006 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

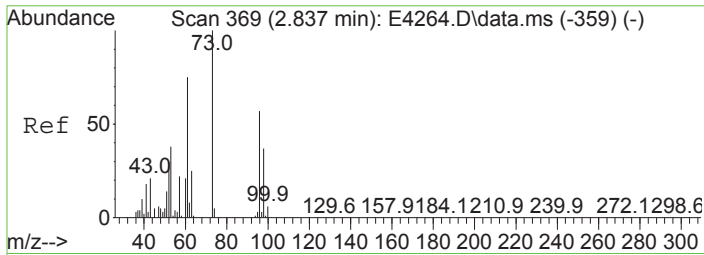
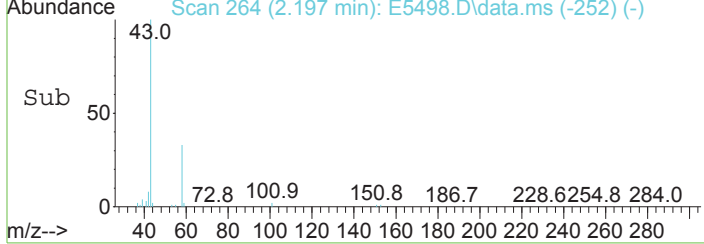
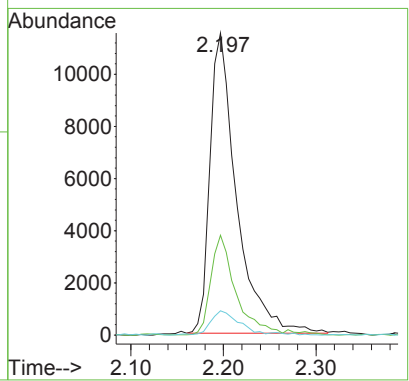
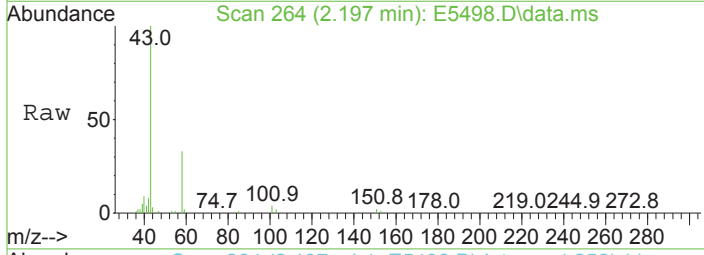
Tgt Ion: 101 Resp: 7394
 Ion Ratio Lower Upper
 101 100
 151 69.7 64.6 104.6





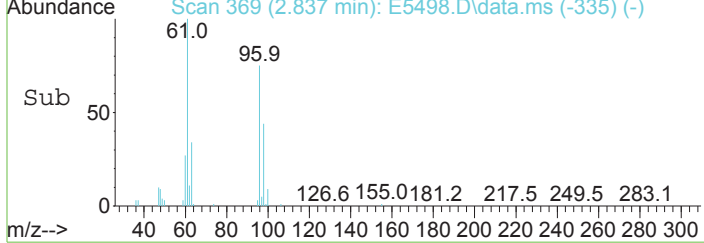
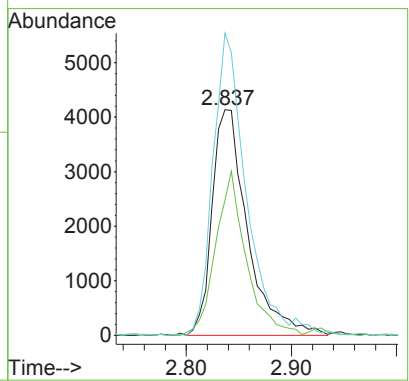
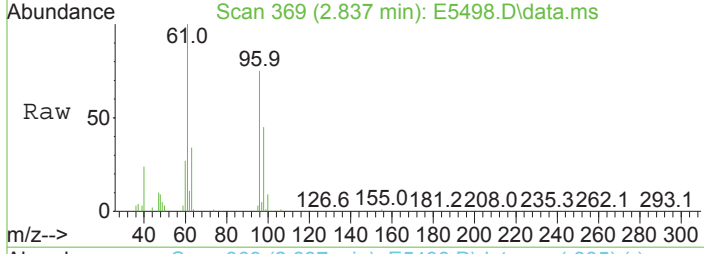
#16
 Acetone
 Concen: 12.70 ug/L
 RT: 2.197 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

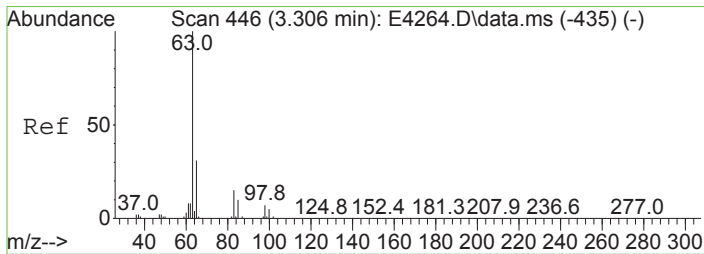
| Tgt Ion | 43 | 58 | 42 | Ratio | Lower | Upper |
|-----------|-------|------|------|-------|-------|-------|
| Resp | 23069 | | | | | |
| Ion Ratio | 100 | 33.0 | 8.0 | | | |
| Lower | | 7.7 | 0.0 | | | |
| Upper | | 47.7 | 27.6 | | | |



#27
 trans-1,2-Dichloroethene
 Concen: 2.88 ug/L
 RT: 2.837 min Scan# 369
 Delta R.T. 0.000 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

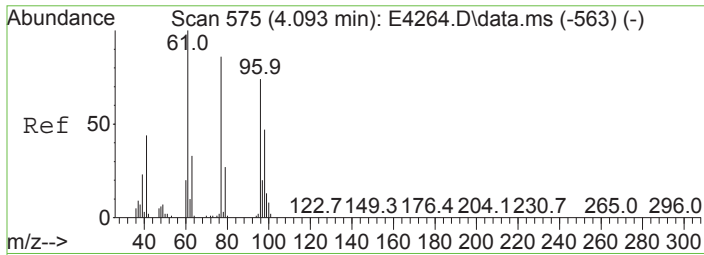
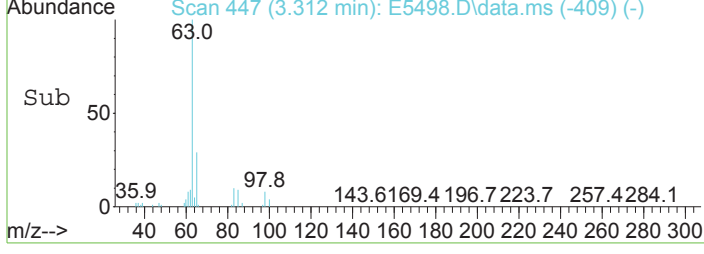
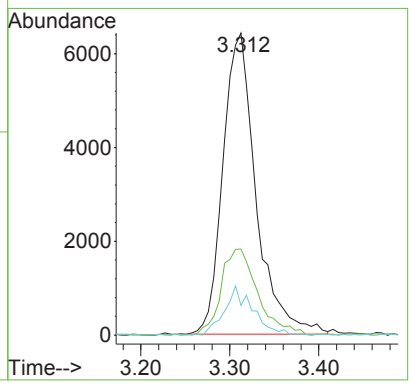
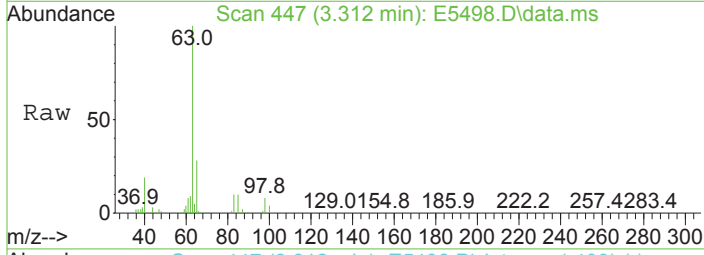
| Tgt Ion | 96 | 98 | 61 | Ratio | Lower | Upper |
|-----------|------|------|-------|-------|-------|-------|
| Resp | 9689 | | | | | |
| Ion Ratio | 100 | 59.8 | 133.9 | | | |
| Lower | | 44.5 | 111.6 | | | |
| Upper | | 84.5 | 151.6 | | | |





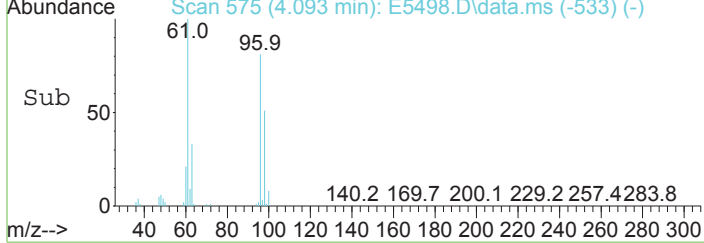
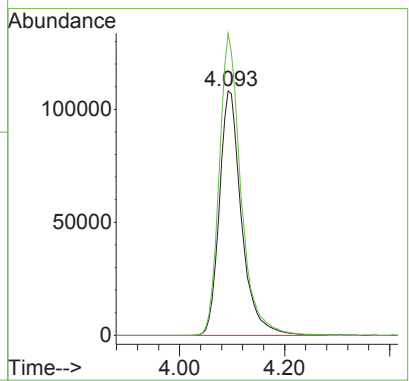
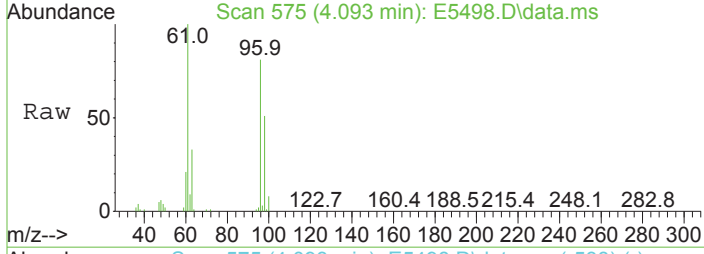
#28
 1,1-Dicylethane
 Concen: 3.11 ug/L
 RT: 3.312 min Scan# 447
 Delta R.T. 0.006 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

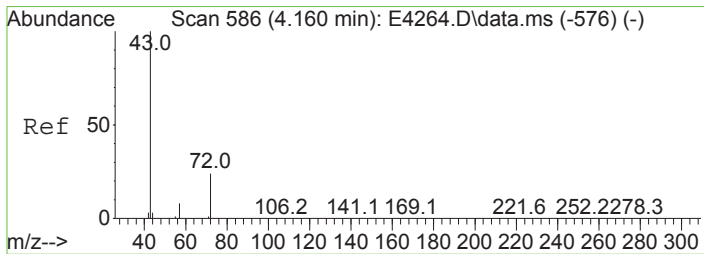
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 28.5 | 11.1 | 51.1 |
| 83 | 10.2 | 0.0 | 34.8 |



#34
 cis-1,2-Dichloroethene
 Concen: 85.13 ug/L
 RT: 4.093 min Scan# 575
 Delta R.T. 0.000 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

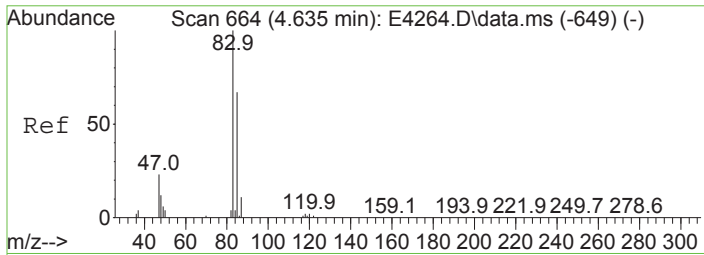
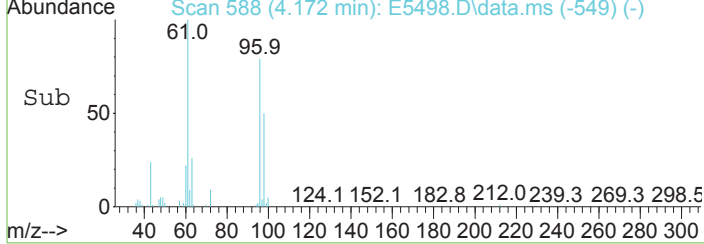
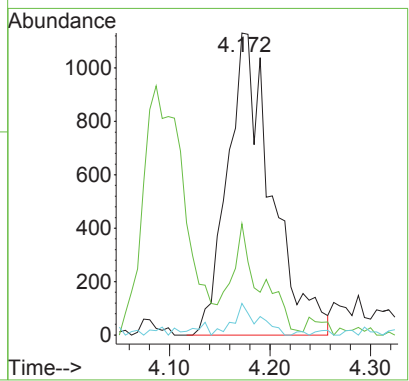
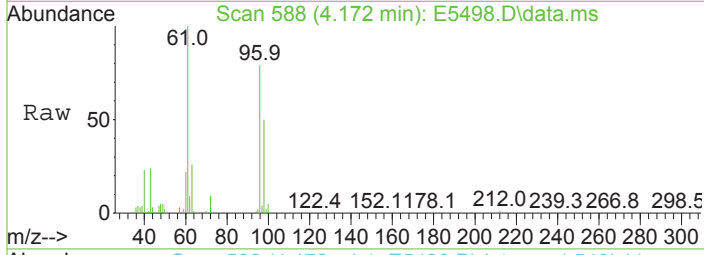
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 123.5 | 116.1 | 156.1 |





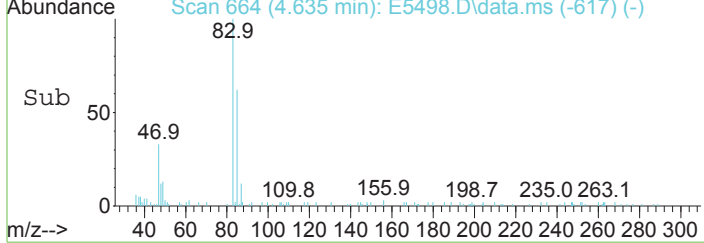
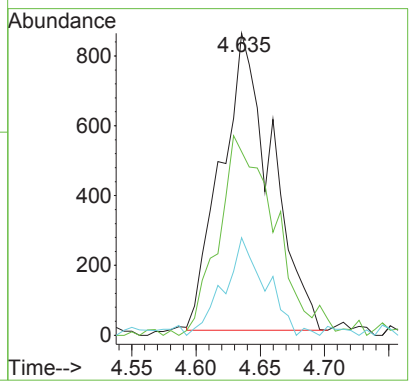
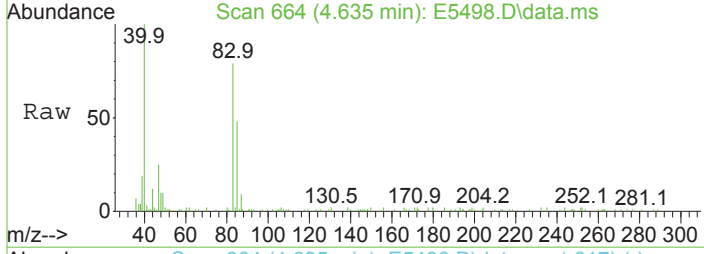
#35
 2-Butanone
 Concen: 1.60 ug/L
 RT: 4.172 min Scan# 588
 Delta R.T. 0.012 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

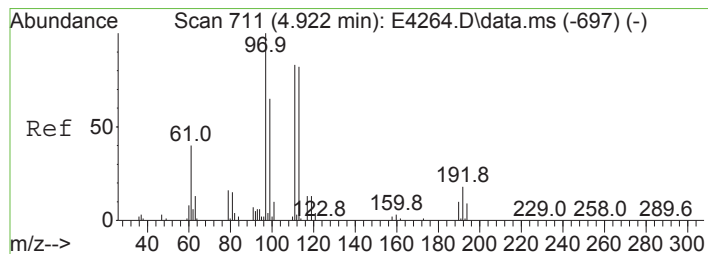
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 72 | 36.9 | 5.4 | 45.4 |
| 57 | 10.4 | 0.0 | 28.6 |



#40
 Chloroform
 Concen: 0.39 ug/L
 RT: 4.635 min Scan# 664
 Delta R.T. 0.000 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

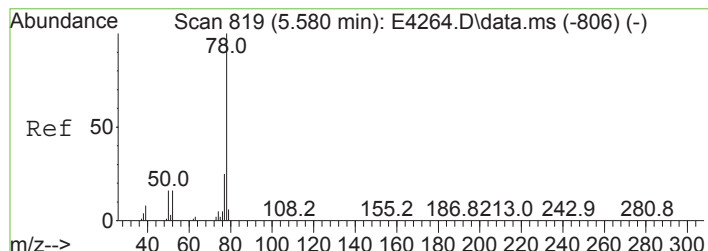
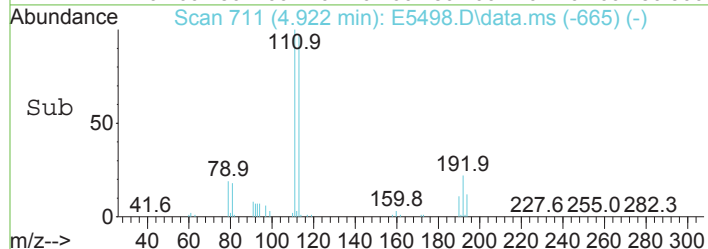
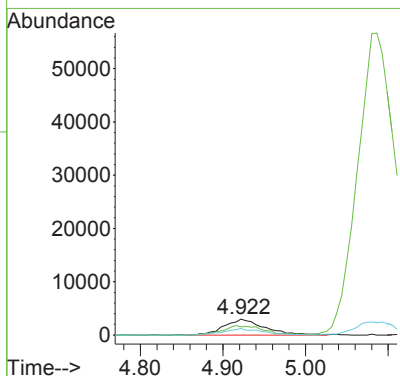
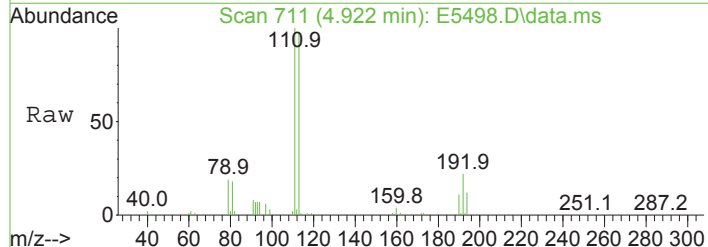
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 60.8 | 46.5 | 86.5 |
| 47 | 32.3 | 3.1 | 43.1 |





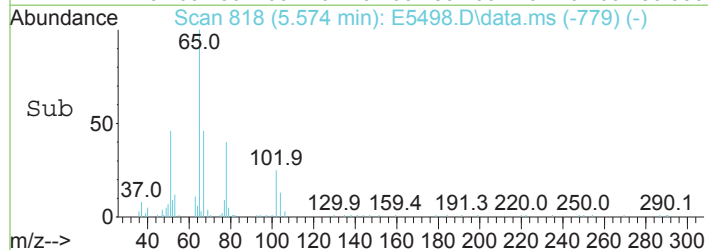
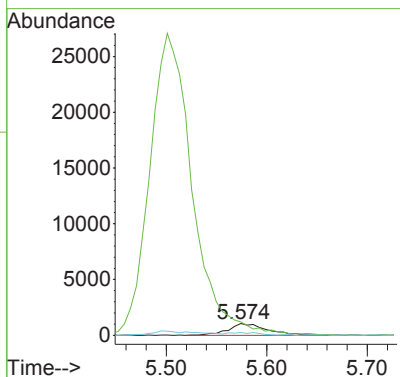
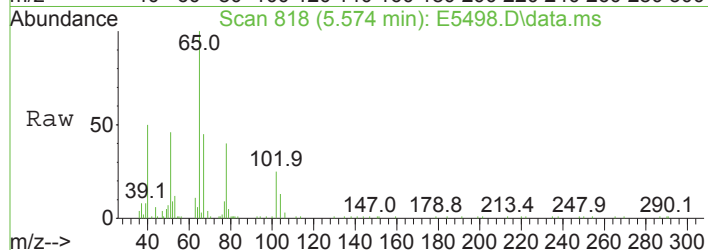
#41
 1,1,1-Trichloroethane
 Concen: 1.80 ug/L
 RT: 4.922 min Scan# 711
 Delta R.T. 0.000 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

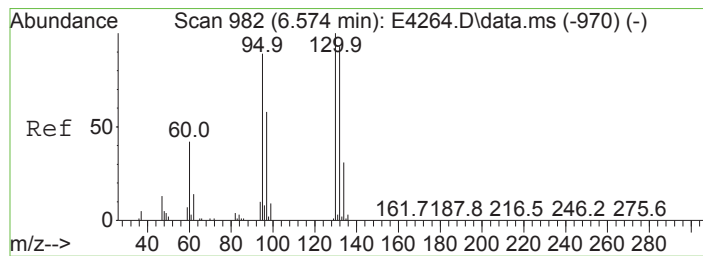
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 9910 | | |
| 97 | 100 | | |
| 99 | 52.6 | 45.0 | 85.0 |
| 61 | 41.7 | 20.4 | 60.4 |



#49
 Benzene
 Concen: 0.23 ug/L
 RT: 5.574 min Scan# 818
 Delta R.T. -0.006 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

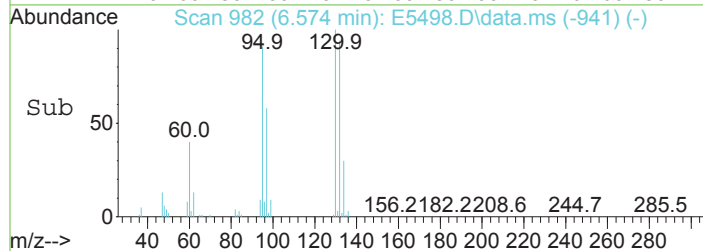
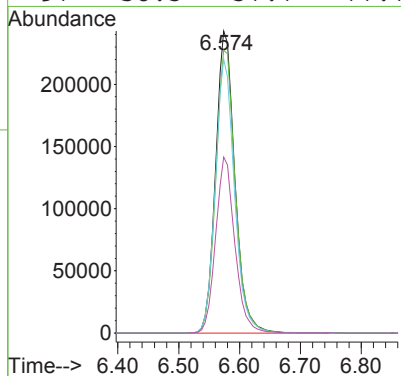
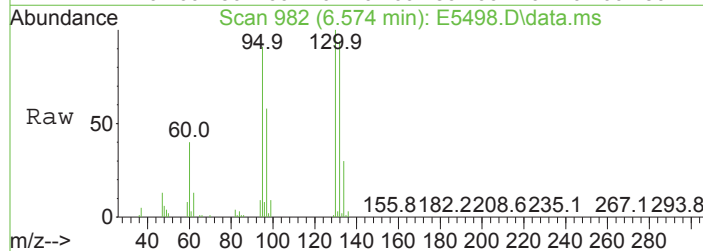
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 78 | 2766 | | |
| 78 | 100 | | |
| 51 | 115.4 | 0.0 | 37.0# |
| 52 | 23.8 | 0.0 | 36.0 |





#54
 Trichloroethene
 Concen: 141.84 ug/L
 RT: 6.574 min Scan# 982
 Delta R.T. 0.000 min
 Lab File: E5498.D
 Acq: 14 Sep 2023 11:08 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 130 | 535519 | | |
| 130 | 100 | | |
| 132 | 93.6 | 73.0 | 113.0 |
| 95 | 90.7 | 68.9 | 108.9 |
| 97 | 58.3 | 37.7 | 77.7 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5443.D
 Acq On : 14 Sep 2023 12:42 am
 Operator : K.Ruest
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

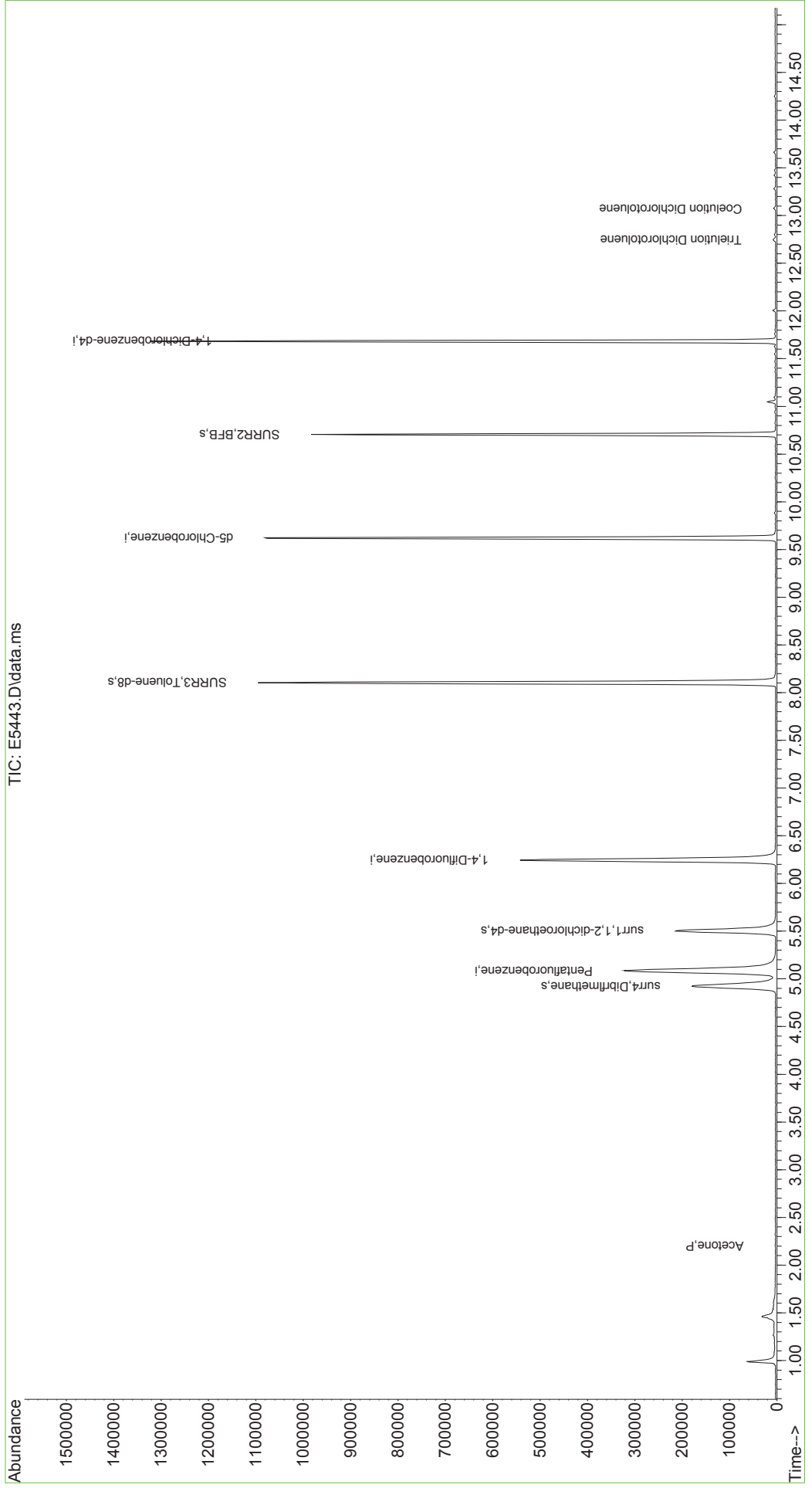
Quant Time: Sep 14 09:30:19 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 11:40:57 2023
 Response via : Initial Calibration

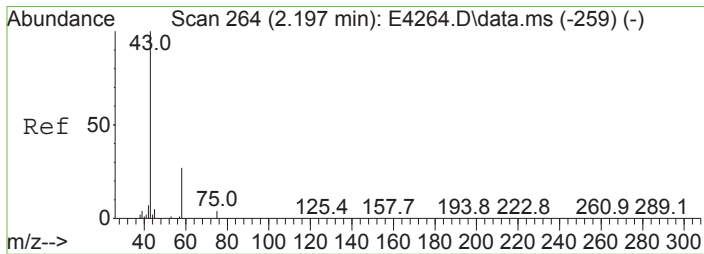
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 410348 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 580241 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 524336 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 267895 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 181938 | 47.42 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 94.84% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 224333 | 51.02 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 102.04% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 720501 | 51.62 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 103.24% | |
| 70) SURR2,BFB | 10.707 | 95 | 240868 | 45.29 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 90.58% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.203 | 43 | 972 | 0.511 | ug/L | 79 |
| 112) Trielution Dichlorotol... | 12.744 | 125 | 2358 | 0.345 | ug/L | 89 |
| 114) Coelution Dichlorotoluene | 13.073 | 125 | 1620 | 0.224 | ug/L | 86 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5443.D
Acq On : 14 Sep 2023 12:42 am
Operator : K.Ruest
Sample : MBLK-UNP
Misc :
ALS Vial : 34 Sample Multiplier: 1

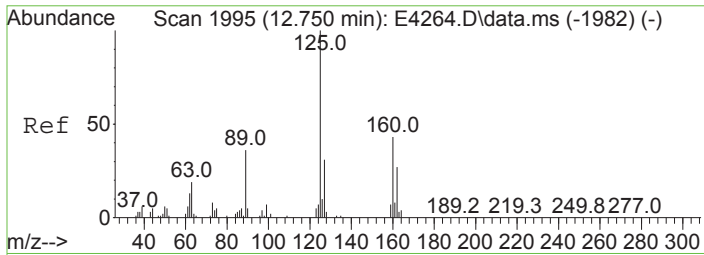
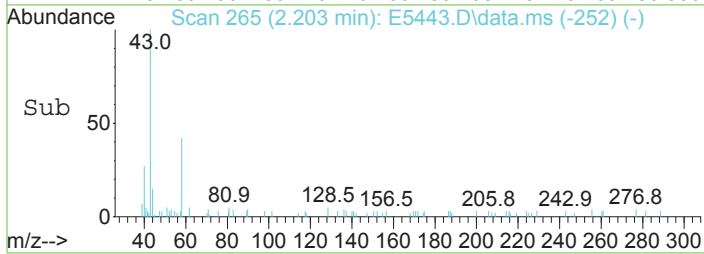
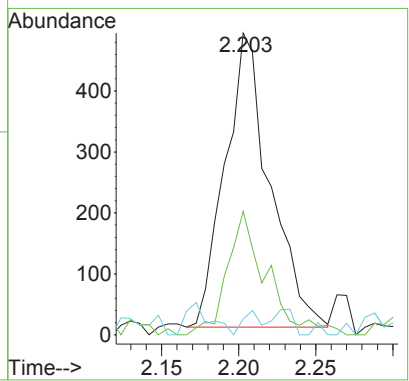
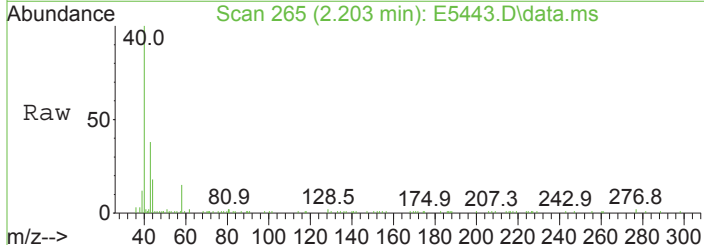
Quant Time: Sep 14 09:30:19 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 11:40:57 2023
Response via : Initial Calibration





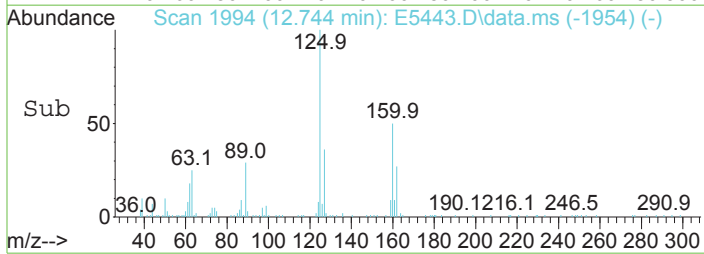
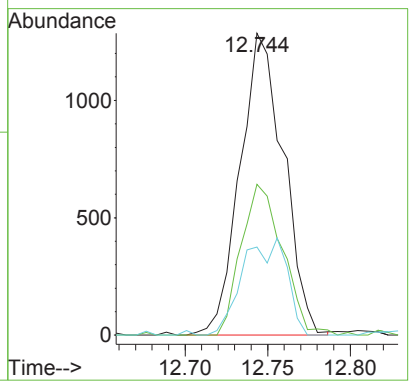
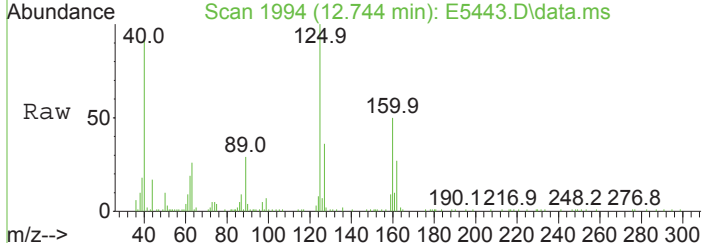
#16
 Acetone
 Concen: 0.51 ug/L
 RT: 2.203 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: E5443.D
 Acq: 14 Sep 2023 12:42 am

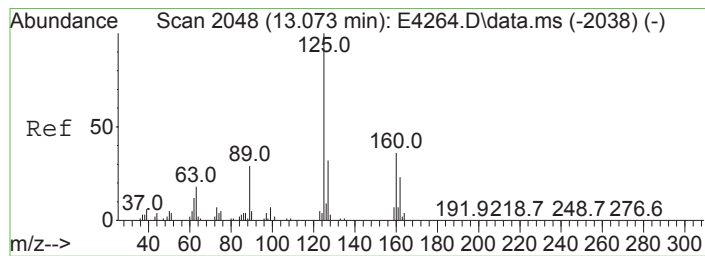
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 41.0 | 7.7 | 47.7 |
| 42 | 5.3 | 0.0 | 27.6 |



#112
 Trielution Dichlorotoluene
 Concen: 0.35 ug/L
 RT: 12.744 min Scan# 1994
 Delta R.T. -0.006 min
 Lab File: E5443.D
 Acq: 14 Sep 2023 12:42 am

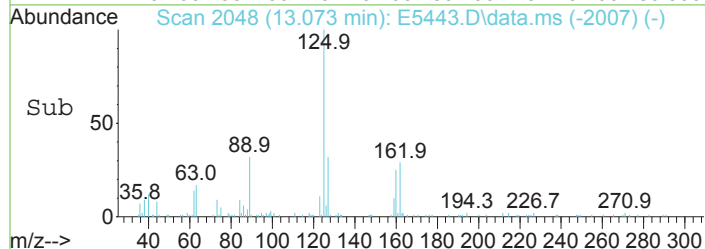
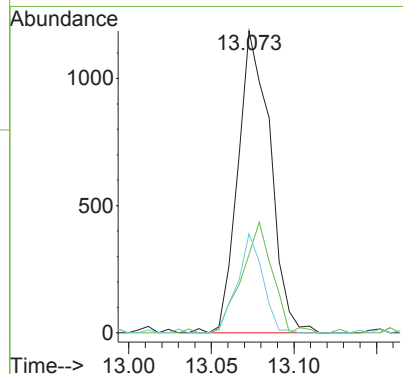
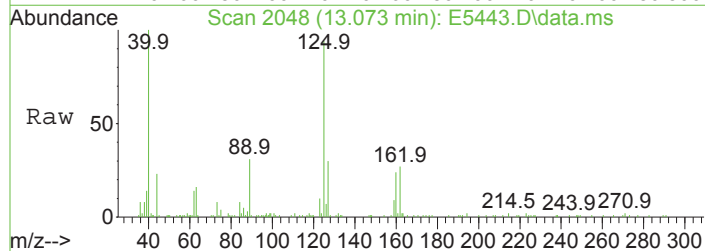
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 100 | | |
| 160 | 49.9 | 23.4 | 63.4 |
| 89 | 29.2 | 15.9 | 55.9 |





#114
 Coelution Dichlorotoluene
 Concen: 0.22 ug/L
 RT: 13.073 min Scan# 2048
 Delta R.T. 0.000 min
 Lab File: E5443.D
 Acq: 14 Sep 2023 12:42 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 100 | | |
| 160 | 26.0 | 16.2 | 56.2 |
| 89 | 33.7 | 8.7 | 48.7 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5475.D
 Acq On : 14 Sep 2023 01:46 pm
 Operator : K.Ruest
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

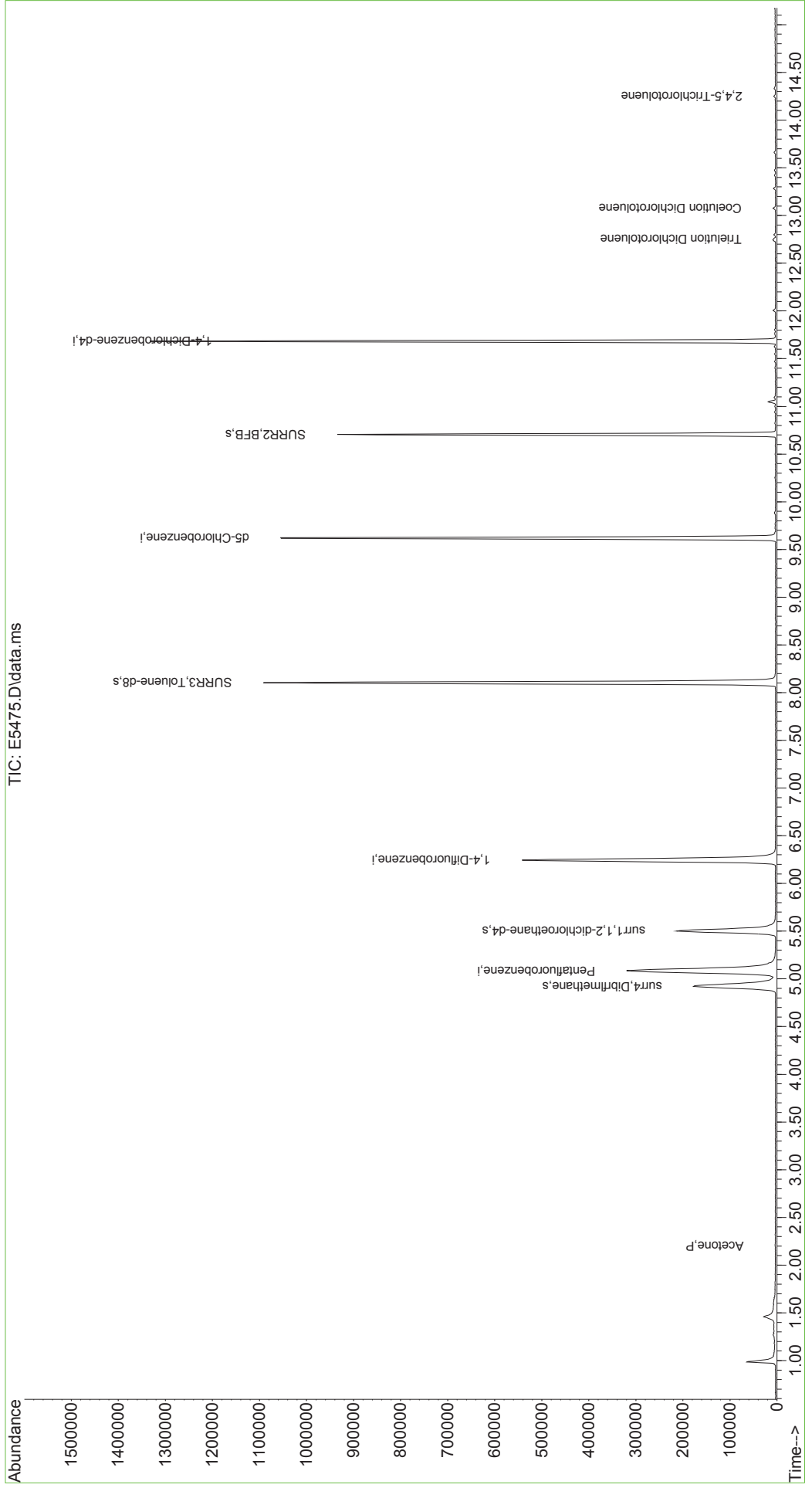
Quant Time: Sep 14 14:48:18 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

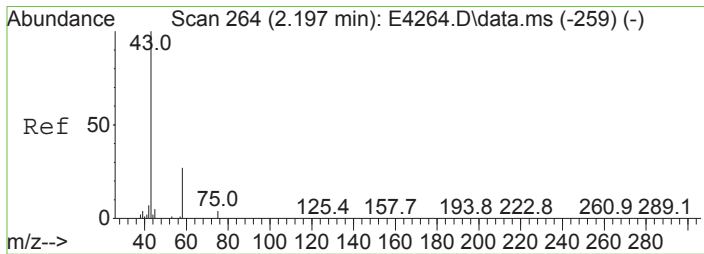
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 406659 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 574023 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 511864 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 262235 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 178462 | 47.01 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 94.02% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 217286 | 49.95 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 99.90% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 694695 | 50.31 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 100.62% | |
| 70) SURR2,BFB | 10.707 | 95 | 230307 | 43.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 87.54% | |
| Target Compounds | | | | | | |
| 16) Acetone | 2.203 | 43 | 1049 | 0.556 | ug/L | 86 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 2631 | 0.393 | ug/L | 92 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 1683 | 0.238 | ug/L | 82 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 863 | 0.231 | ug/L | 95 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5475.D
Acq On : 14 Sep 2023 01:46 pm
Operator : K.Ruest
Sample : MBLK-UNP
Misc :
ALS Vial : 4 Sample Multiplier: 1

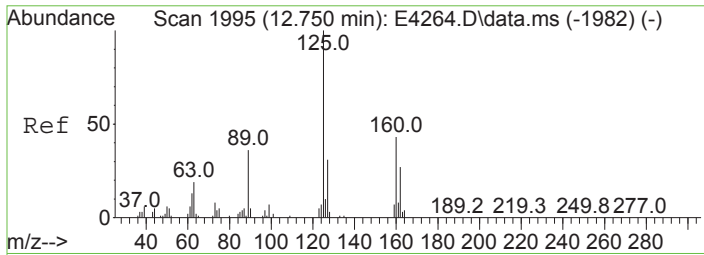
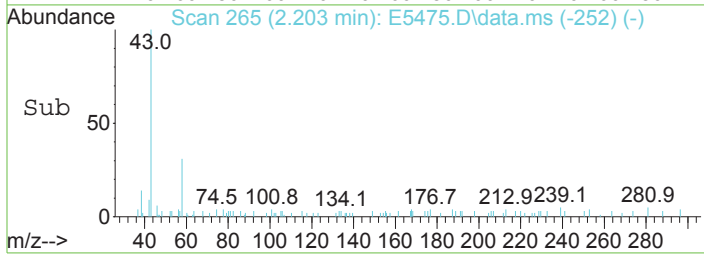
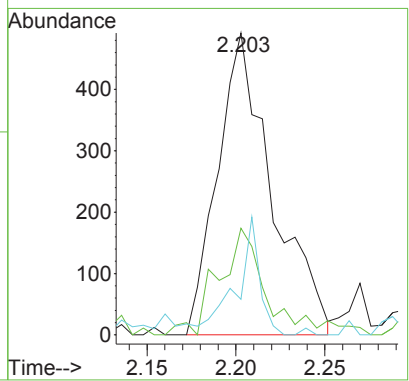
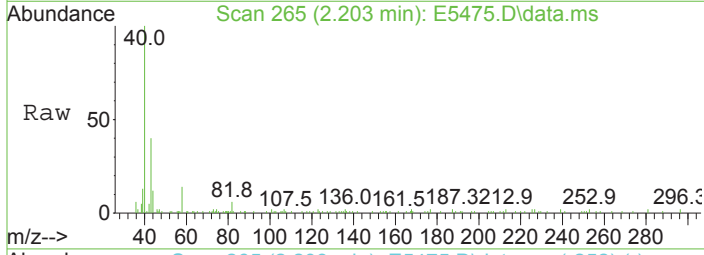
Quant Time: Sep 14 14:48:18 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration





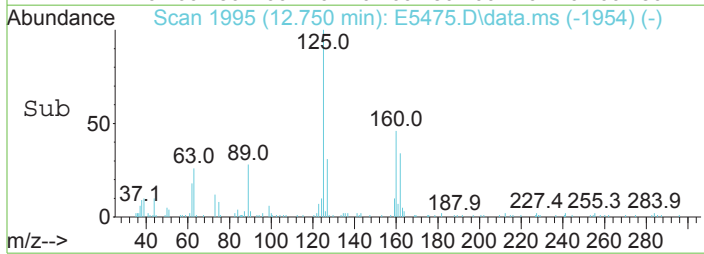
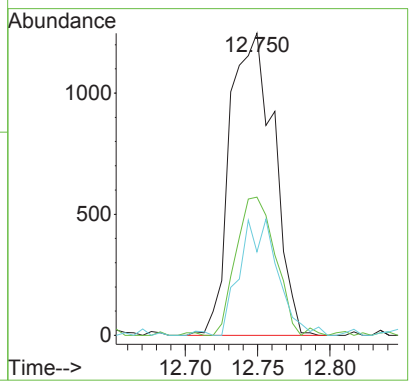
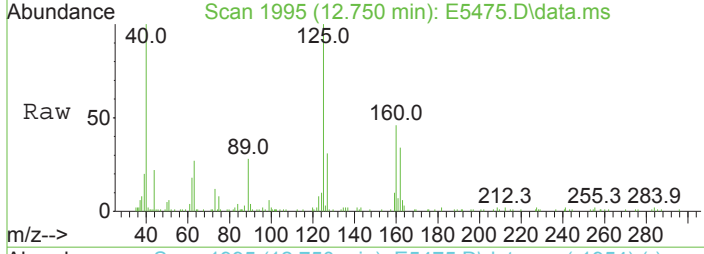
#16
 Acetone
 Concen: 0.56 ug/L
 RT: 2.203 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: E5475.D
 Acq: 14 Sep 2023 01:46 pm

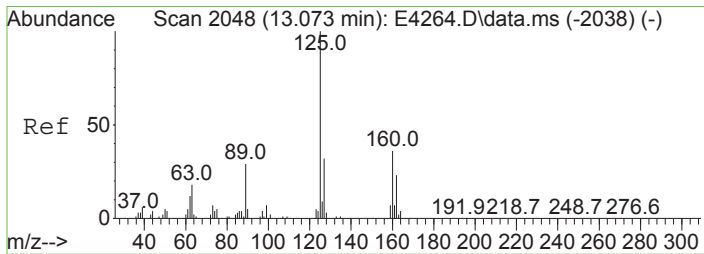
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1049 | | |
| 58 | 35.4 | 7.7 | 47.7 |
| 42 | 11.8 | 0.0 | 27.6 |



#112
 Trilution Dichlorotoluene
 Concen: 0.39 ug/L
 RT: 12.750 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: E5475.D
 Acq: 14 Sep 2023 01:46 pm

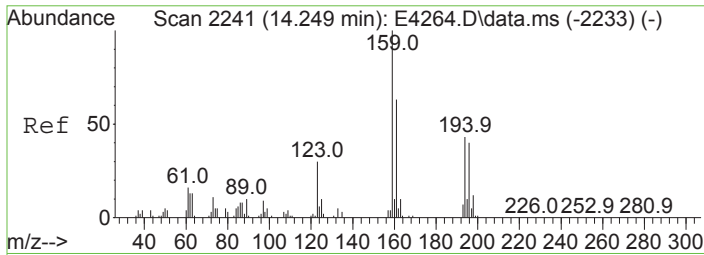
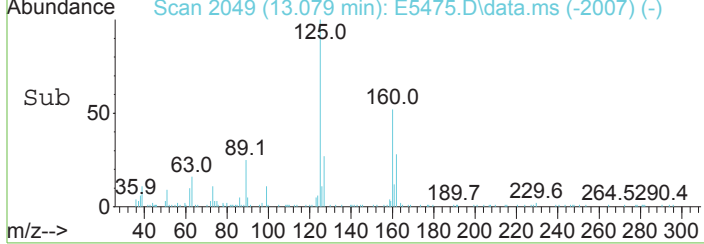
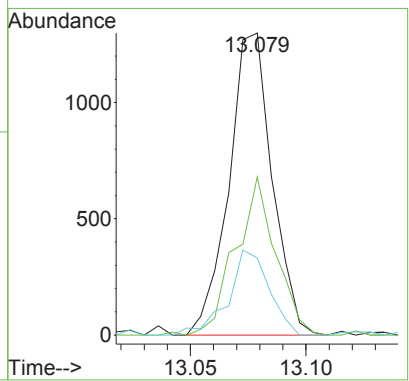
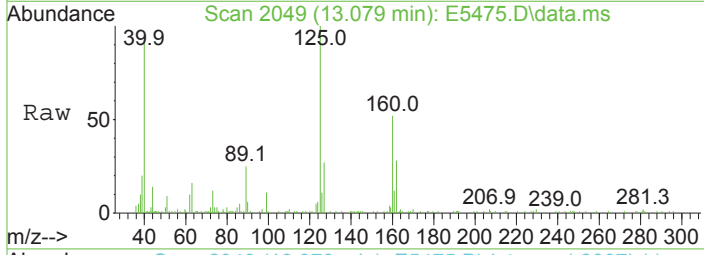
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 2631 | | |
| 160 | 45.8 | 23.4 | 63.4 |
| 89 | 27.7 | 15.9 | 55.9 |





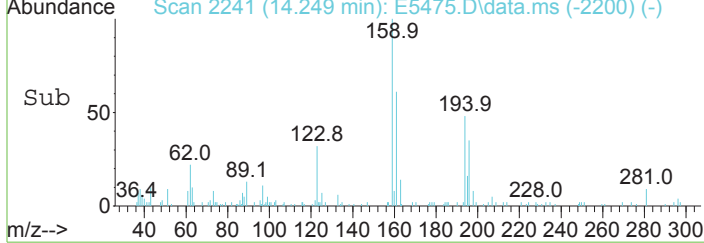
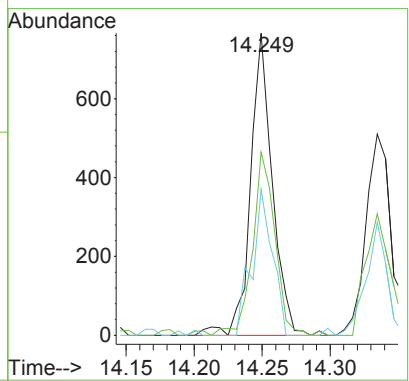
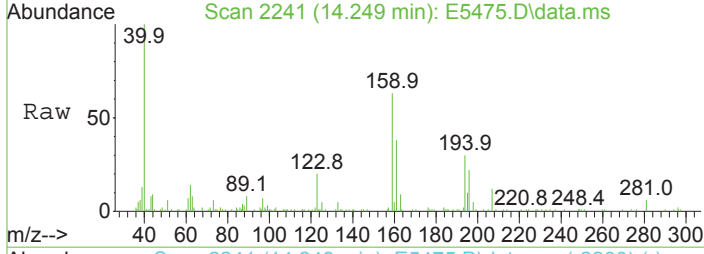
#114
 Coelution Dichlorotoluene
 Concen: 0.24 ug/L
 RT: 13.079 min Scan# 2049
 Delta R.T. 0.006 min
 Lab File: E5475.D
 Acq: 14 Sep 2023 01:46 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 125 | 1683 | | |
| 160 | 52.3 | 16.2 | 56.2 |
| 89 | 25.5 | 8.7 | 48.7 |



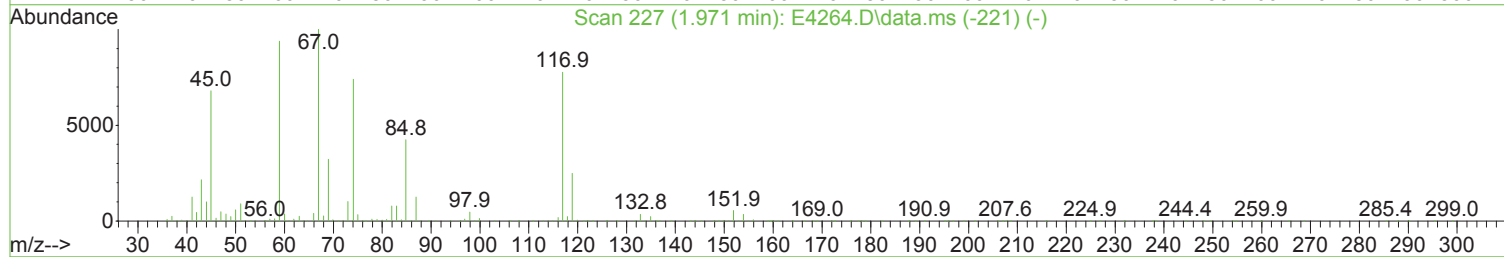
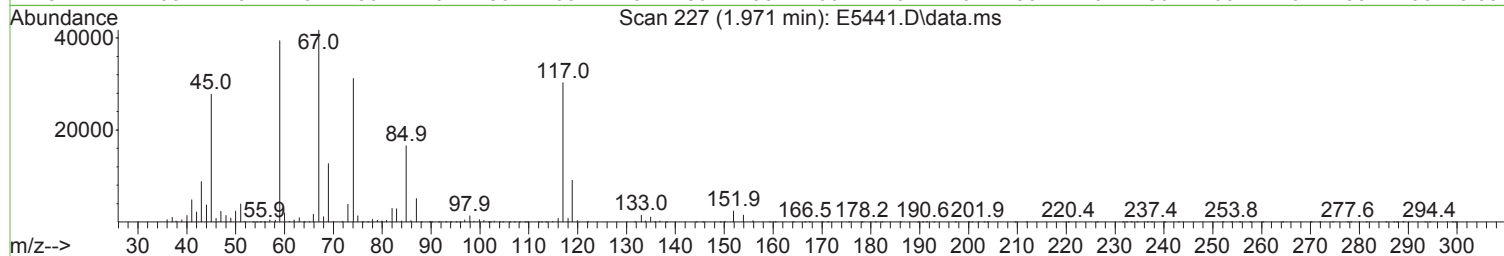
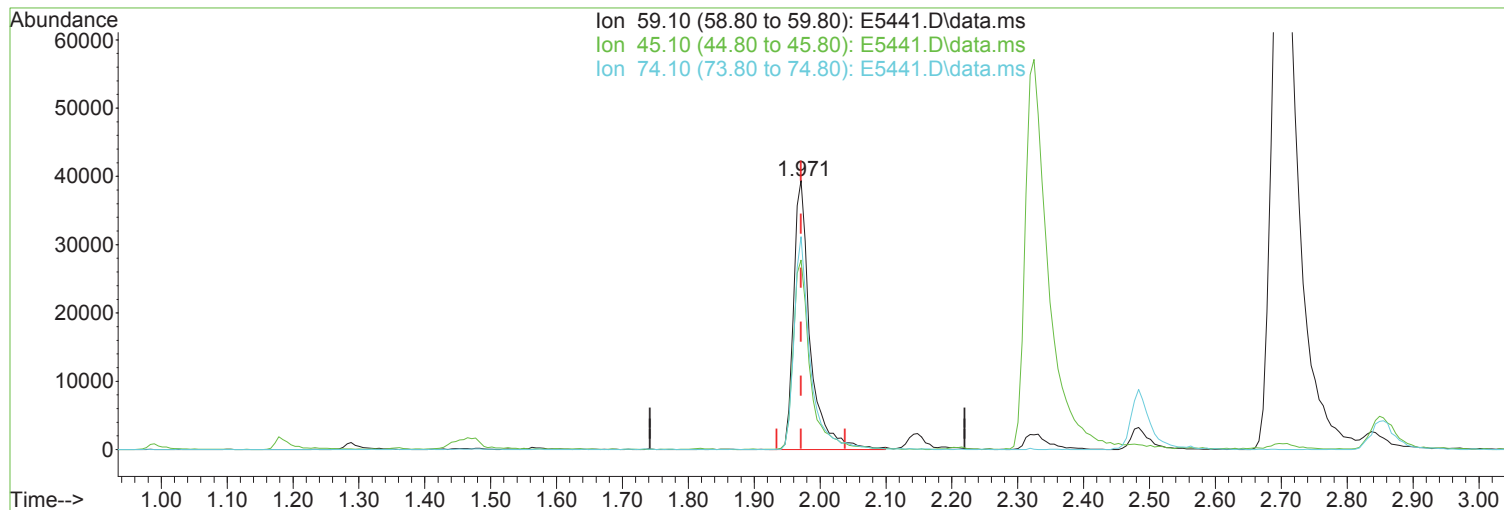
#119
 2,4,5-Trichlorotoluene
 Concen: 0.23 ug/L
 RT: 14.249 min Scan# 2241
 Delta R.T. -0.000 min
 Lab File: E5475.D
 Acq: 14 Sep 2023 01:46 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 159 | 863 | | |
| 161 | 60.7 | 43.1 | 83.1 |
| 194 | 48.3 | 22.7 | 62.7 |



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5441.D
 Acq On : 13 Sep 2023 11:56 pm
 Operator : K.Ruest
 Sample : LCS-UNP
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 14 09:28:09 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



TIC: E5441.D\data.ms

(10) Diethyl Ether

Manual Integration:

1.971min (0.000) 23.94 ug/L m

After

response 69057

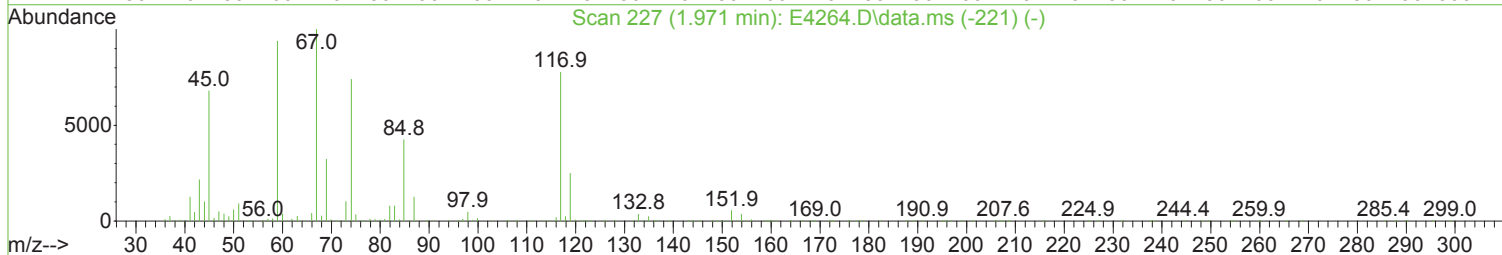
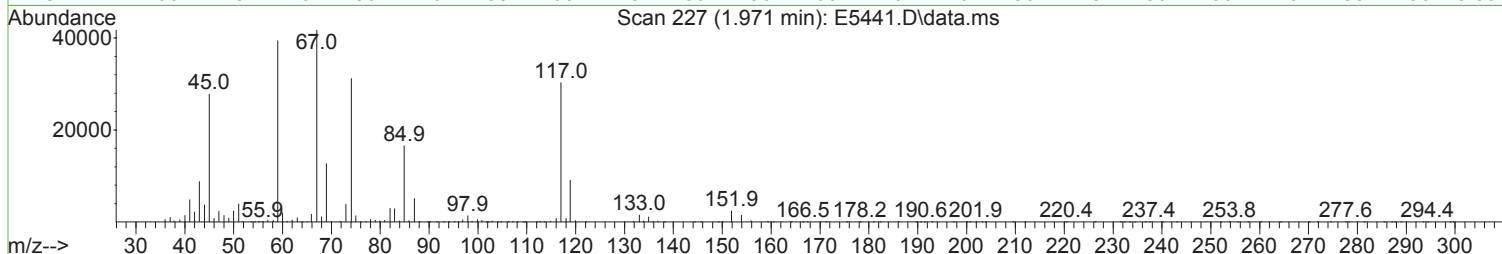
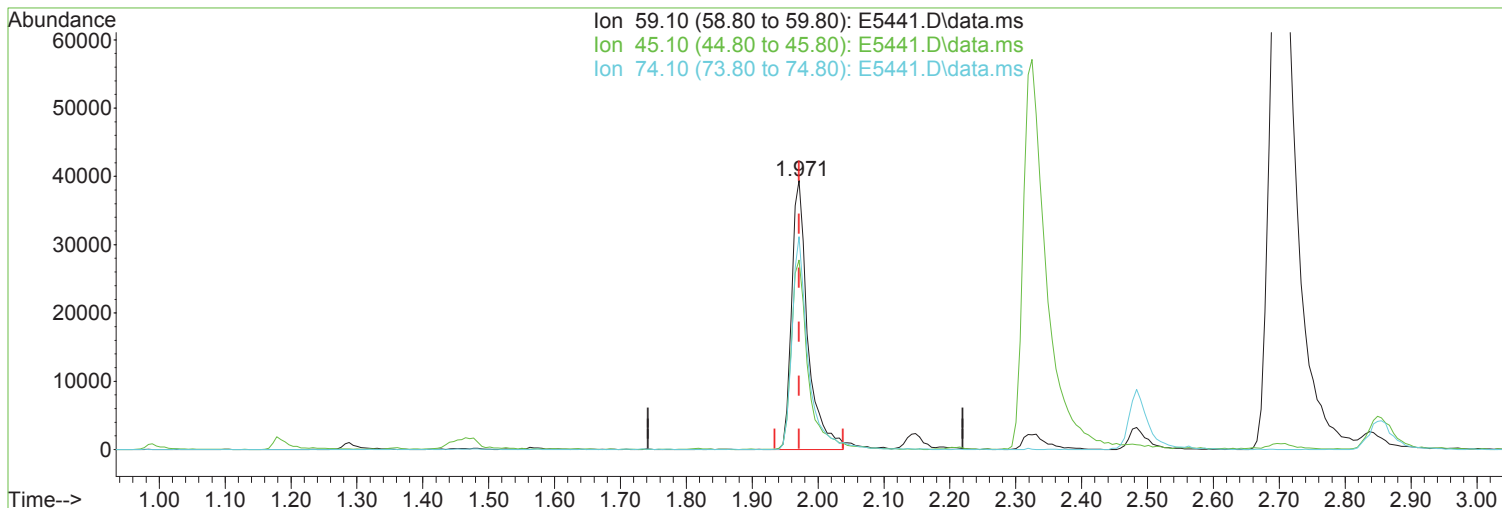
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 59.10 | 100.00 | 100.00 |
| 45.10 | 72.50 | 70.47 |
| 74.10 | 78.70 | 79.12 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5441.D
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QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5441.D\data.ms

(10) Diethyl Ether

Manual Integration:

1.971min (0.000) 23.29 ug/L

Before

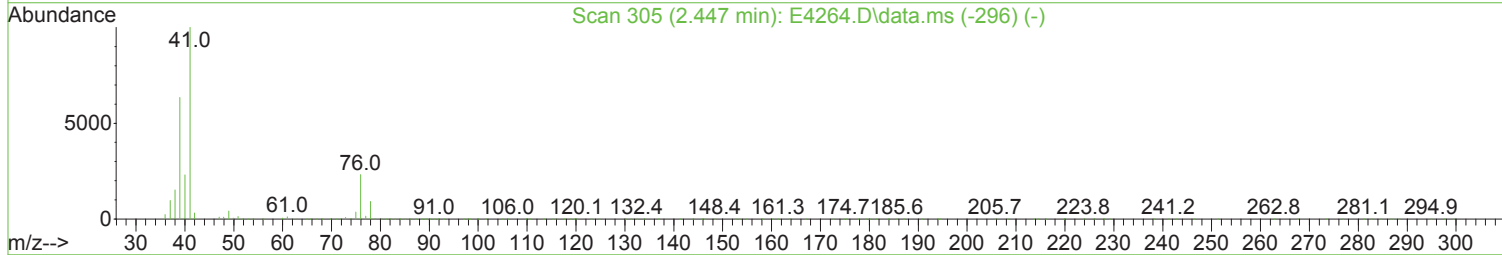
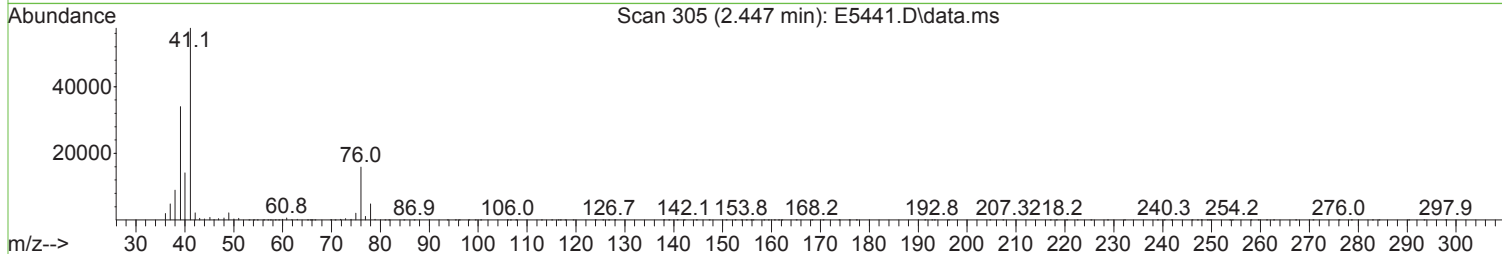
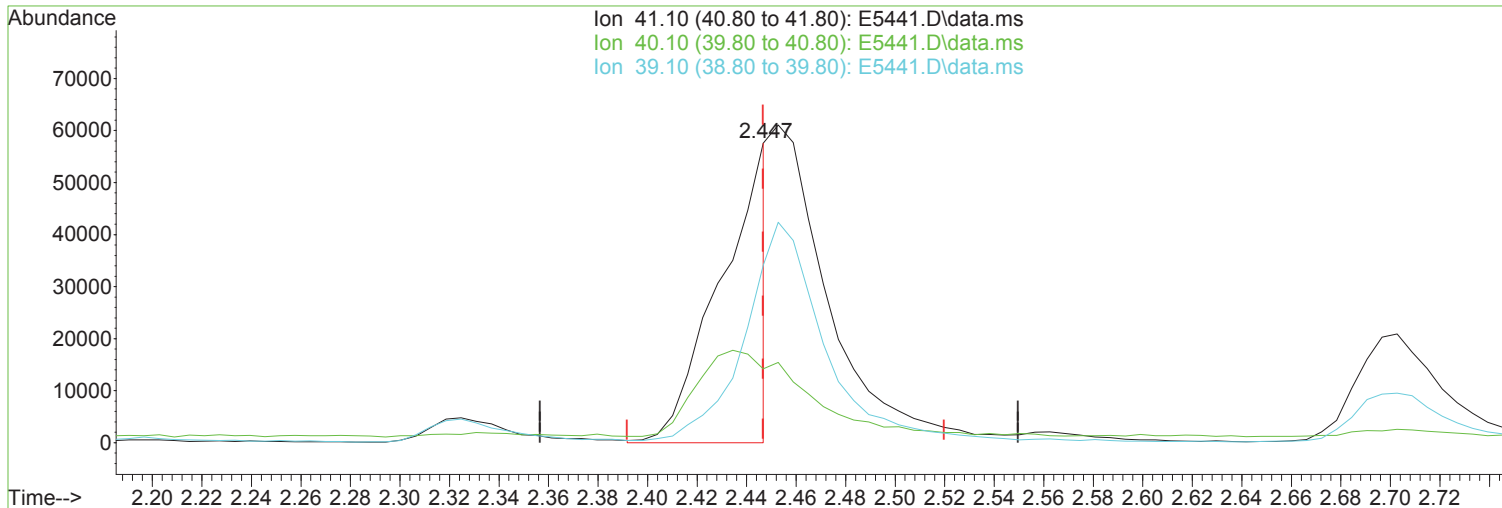
response 67161

| Ion | Exp% | Act% |
|-------|--------|--------|
| 59.10 | 100.00 | 100.00 |
| 45.10 | 72.50 | 70.47 |
| 74.10 | 78.70 | 79.12 |
| 0.00 | 0.00 | 0.00 |

09/14/23

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Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
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(20) Acetonitrile

2.447min (0.000) 116.06 ug/L m

response 77698

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 24.62 |
| 39.10 | 63.60 | 59.13 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

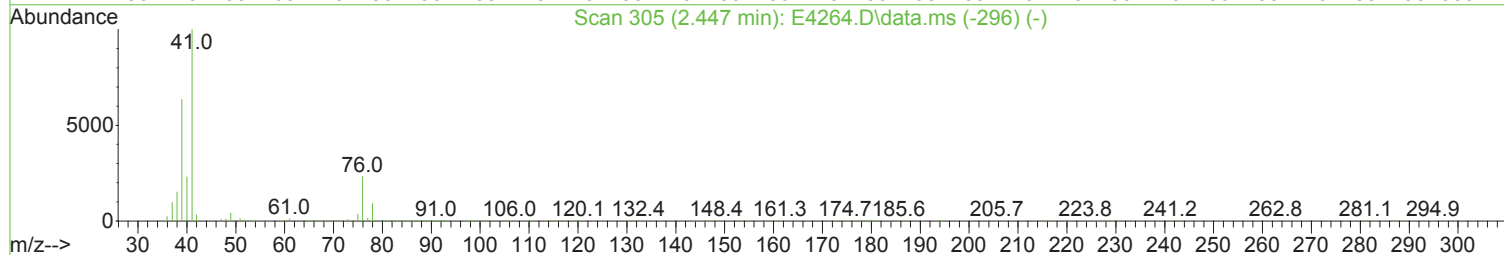
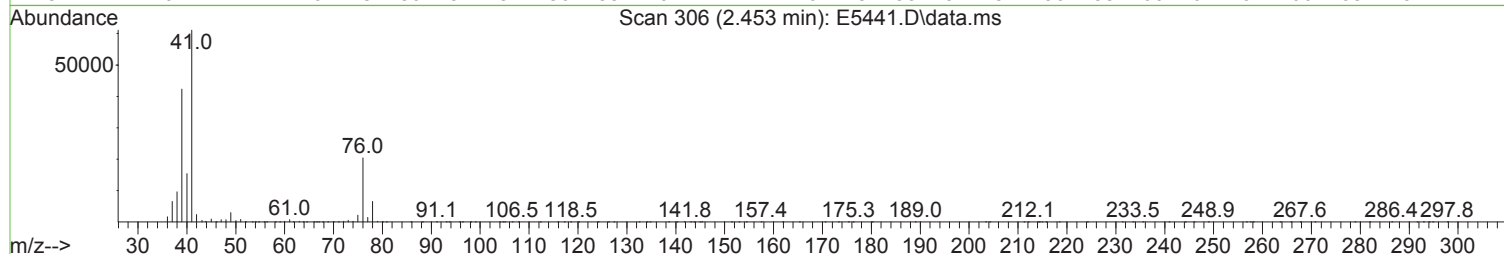
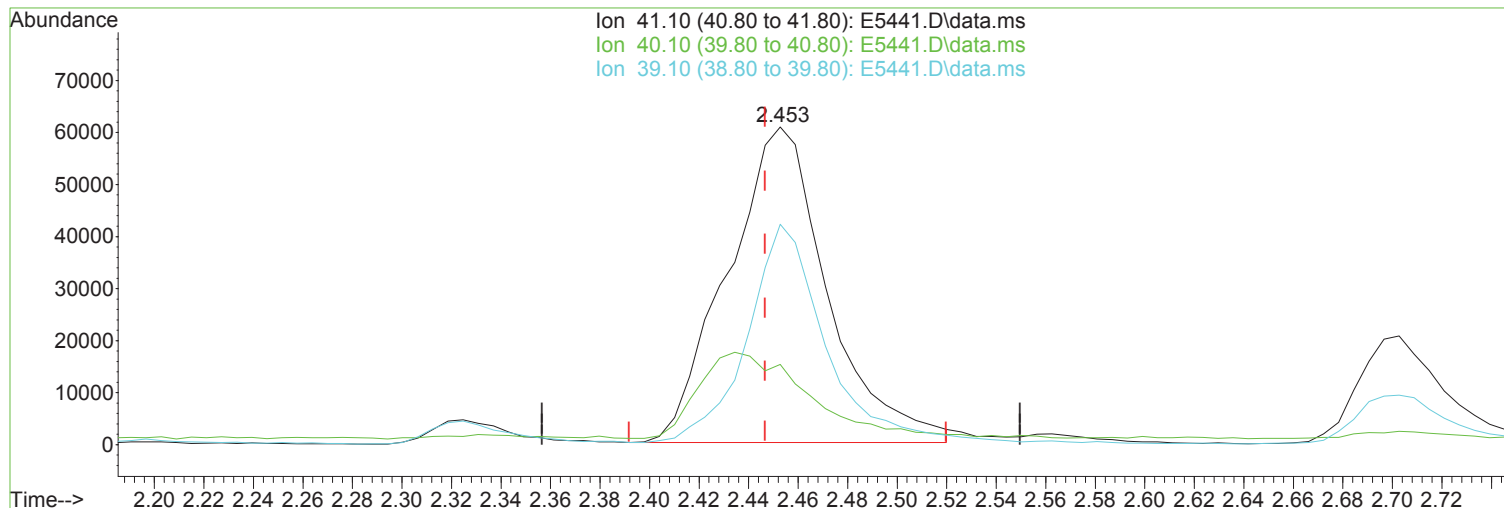
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
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TIC: E5441.D\data.ms

(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 254.02 ug/L

Before

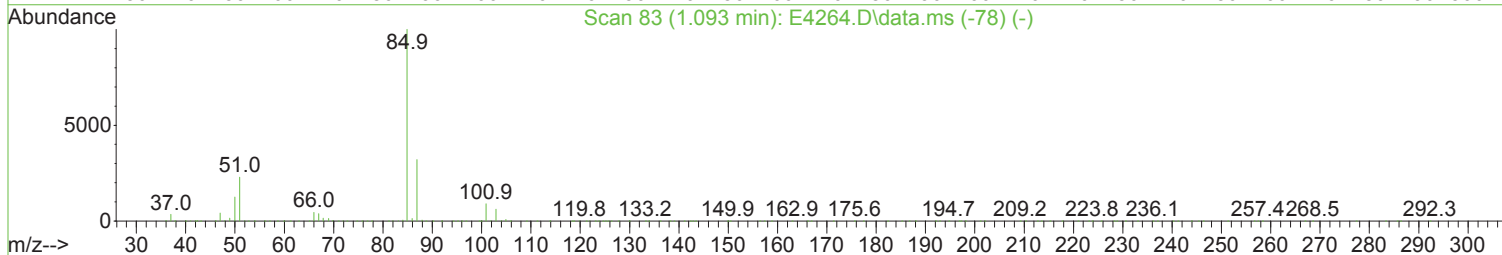
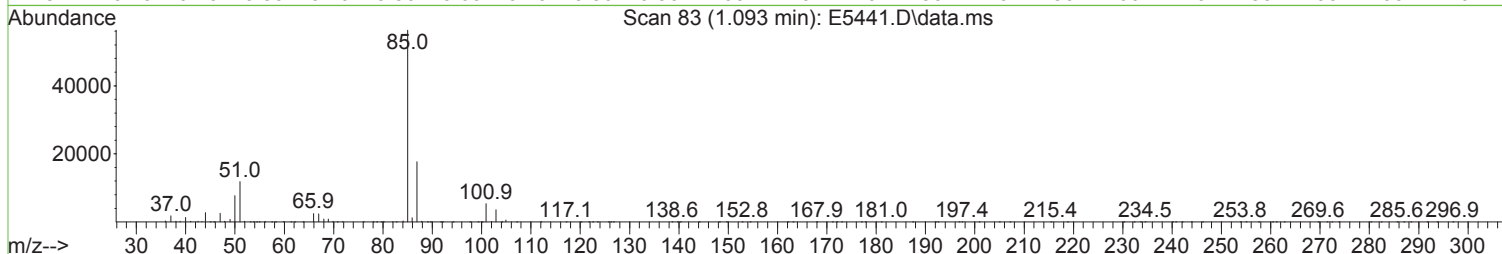
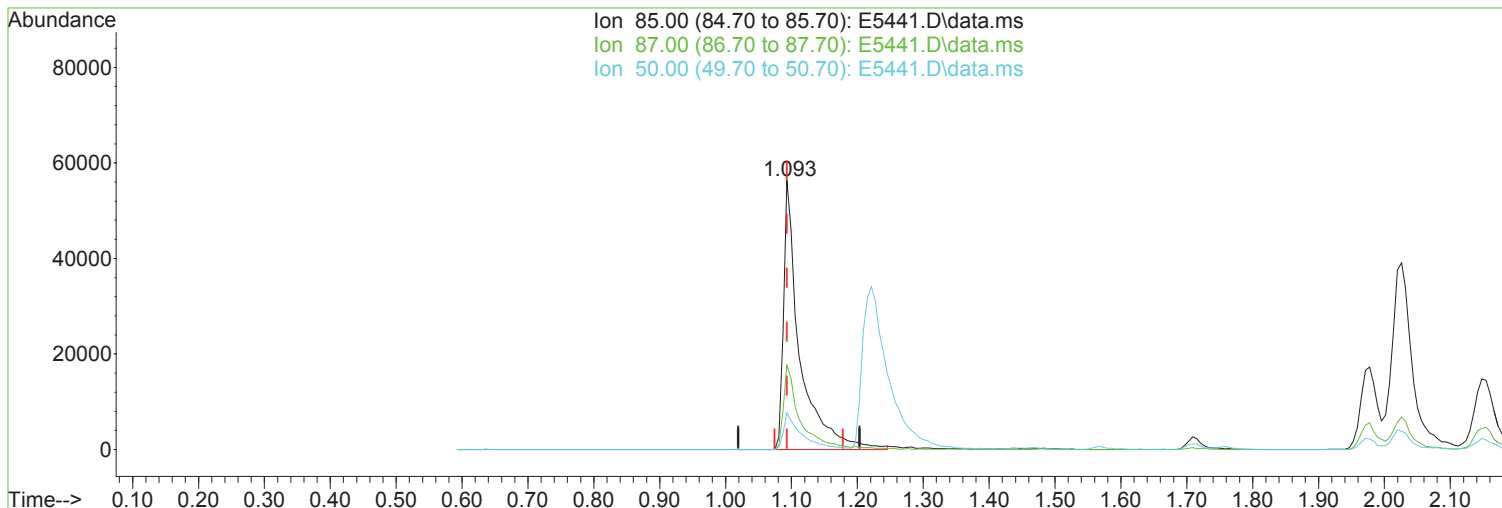
response 170063

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 25.22 |
| 39.10 | 63.60 | 69.34 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
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Acq On : 13 Sep 2023 11:56 pm
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TIC: E5441.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 19.92 ug/L m

response 96479

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.47 |
| 50.00 | 12.60 | 13.72 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

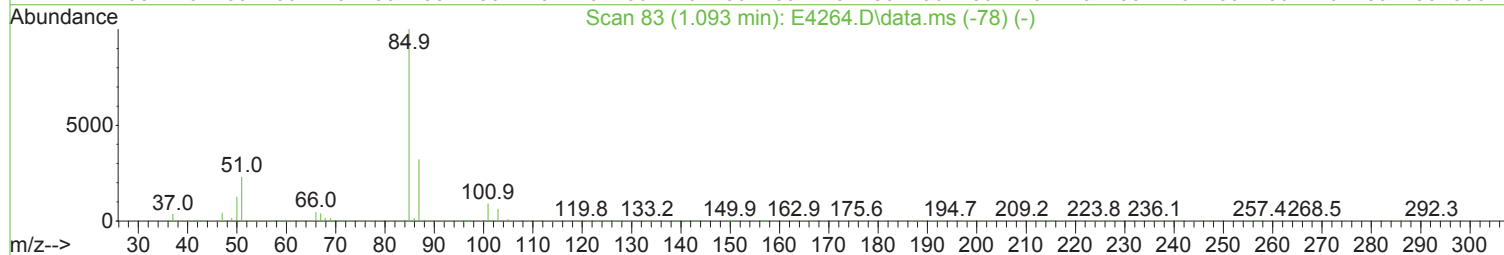
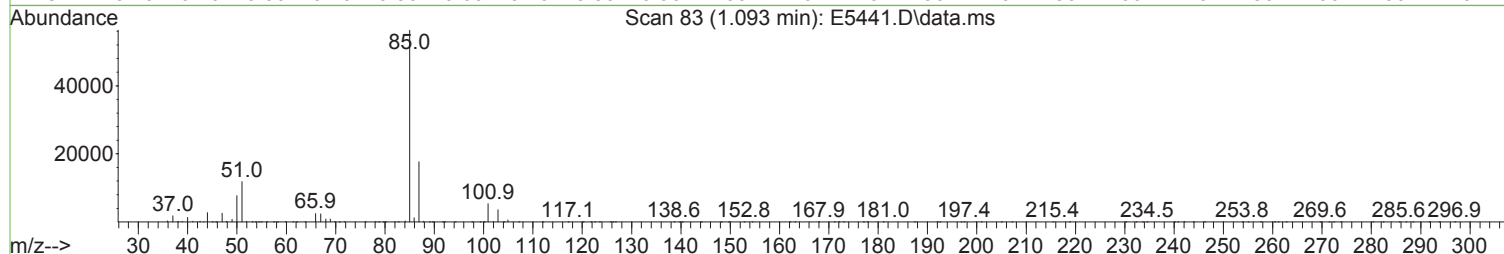
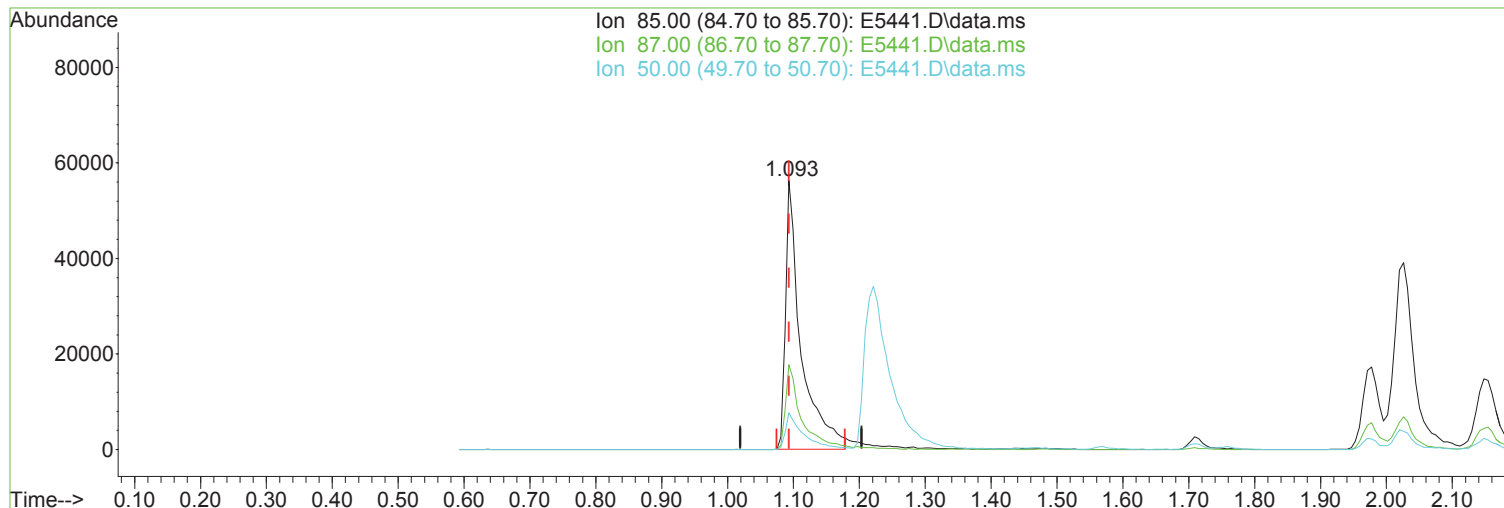
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
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Acq On : 13 Sep 2023 11:56 pm
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 14 09:28:09 2023
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QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5441.D\data.ms

| | | |
|---------------------------------|----------------------------|--------|
| (3) Dichlorodifluoromethane (P) | Manual Integration: | |
| 1.093min (-0.000) 18.94 ug/L | Before | |
| response 91741 | | |
| Ion | Exp% | Act% |
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.47 |
| 50.00 | 12.60 | 13.72 |
| 0.00 | 0.00 | 0.00 |

09/14/23

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 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|----------|----------|----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.080 | 168 | 421906 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 587516 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 538674 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 291114 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 192963 | 49.67 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 99.34% |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 223235 | 50.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 100.28% |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 721881 | 51.08 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 102.16% |
| 70) SURR2,BFB | 10.707 | 95 | 266330 | 49.46 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 98.92% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.105 | 51 | 66344 | 17.111 | ug/L | 97 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 96479m | 19.918 | ug/L | |
| 4) Chloromethane | 1.221 | 50 | 91008 | 24.524 | ug/L | 100 |
| 5) Vinyl Chloride | 1.288 | 62 | 91450 | 19.663 | ug/L | 97 |
| 6) Bromomethane | 1.490 | 94 | 73740 | 23.017 | ug/L | 93 |
| 7) Chloroethane | 1.569 | 64 | 56570 | 18.382 | ug/L | 97 |
| 8) Freon 21 | 1.709 | 67 | 112630 | 18.113 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 127391 | 21.741 | ug/L | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 69057m | 23.944 | ug/L | |
| 11) Freon 123a | 1.977 | 67 | 77887 | 21.061 | ug/L | 98 |
| 12) Freon 123 | 2.026 | 83 | 117074 | 25.426 | ug/L | 98 |
| 13) Acrolein | 2.069 | 56 | 34190 | 54.233 | ug/L | 97 |
| 14) 1,1-Dicethene | 2.142 | 96 | 69784 | 21.809 | ug/L | 99 |
| 15) Freon 113 | 2.148 | 101 | 77782 | 22.177 | ug/L | 100 |
| 16) Acetone | 2.197 | 43 | 39853 | 20.360 | ug/L | 100 |
| 17) 2-Propanol | 2.325 | 45 | 139814 | 435.037 | ug/L | 96 |
| 18) Iodomethane | 2.264 | 142 | 124919 | 25.331 | ug/L | 96 |
| 19) Carbon Disulfide | 2.325 | 76 | 184096 | 19.371 | ug/L | 99 |
| 20) Acetonitrile | 2.447 | 41 | 77698m | 116.057 | ug/L | |
| 21) Allyl Chloride | 2.453 | 76 | 42157 | 23.253 | ug/L | 99 |
| 22) Methyl Acetate | 2.483 | 43 | 74427 | 16.800 | ug/L | 98 |
| 23) Methylene Chloride | 2.569 | 84 | 81818 | 22.927 | ug/L | 99 |
| 24) TBA | 2.703 | 59 | 244713 | 434.345 | ug/L | 94 |
| 25) Acrylonitrile | 2.812 | 53 | 202026 | 122.103 | ug/L | 99 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 257585 | 22.668 | ug/L | 99 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 79904 | 22.021 | ug/L | 99 |
| 28) 1,1-Dicethane | 3.306 | 63 | 138188 | 23.984 | ug/L | 99 |
| 29) Vinyl Acetate | 3.392 | 86 | 9395 | 17.153 | ug/L | # 61 |
| 30) DIPE | 3.428 | 45 | 232131 | 22.284 | ug/L | 91 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 114034 | 20.764 | ug/L | 92 |
| 32) ETBE | 3.922 | 59 | 213174 | 19.716 | ug/L | 98 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 103420 | 18.307 | ug/L | 98 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 89328 | 22.456 | ug/L | 99 |
| 35) 2-Butanone | 4.160 | 43 | 48287 | 20.878 | ug/L | 97 |
| 36) Propionitrile | 4.239 | 54 | 83128 | 120.364 | ug/L | 97 |
| 37) Bromochloromethane | 4.465 | 130 | 61304 | 23.518 | ug/L | 98 |
| 38) Methacrylonitrile | 4.489 | 67 | 44439 | 24.235 | ug/L | 97 |
| 39) Tetrahydrofuran | 4.580 | 42 | 32247 | 23.021 | ug/L | 98 |
| 40) Chloroform | 4.641 | 83 | 145055 | 22.212 | ug/L | 97 |

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 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|----------|-------|----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 127125 | 21.413 | ug/L | 97 |
| 42) TAME | 5.842 | 73 | 224509 | 21.270 | ug/L | 99 |
| 44) Cyclohexane | 5.001 | 41 | 66459 | 21.098 | ug/L | 98 |
| 46) Carbontetrachloride | 5.221 | 117 | 106428 | 21.810 | ug/L | 100 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 106558 | 23.868 | ug/L | 99 |
| 49) Benzene | 5.580 | 78 | 316046 | 24.770 | ug/L | 98 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 114906 | 23.024 | ug/L | 95 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 102238 | 484.117 | ug/L | 98 |
| 52) n-Heptane | 6.092 | 43 | 98096 | 21.420 | ug/L | 99 |
| 53) 1-Butanol | 6.653 | 56 | 151835 | 1140.289 | ug/L | 100 |
| 54) Trichloroethene | 6.574 | 130 | 100300 | 25.355 | ug/L | 96 |
| 55) Methylcyclohexane | 6.812 | 55 | 89870 | 20.449 | ug/L | 94 |
| 56) 1,2-Dicloropropane | 6.873 | 63 | 80880 | 24.433 | ug/L | 100 |
| 57) Dibromomethane | 7.013 | 93 | 57421 | 23.620 | ug/L | 89 |
| 58) 1,4-Dioxane | 7.098 | 88 | 30010 | 487.997 | ug/L | 97 |
| 59) Methyl Methacrylate | 7.123 | 69 | 71032 | 23.625 | ug/L | 96 |
| 60) Bromodichloromethane | 7.251 | 83 | 103823 | 20.334 | ug/L | 98 |
| 61) 2-Nitropropane | 7.555 | 41 | 42418 | 32.701 | ug/L | 91 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 25173 | 11.868 | ug/L | 95 |
| 63) cis-1,3-Dichloropropene | 7.812 | 75 | 129314 | 22.694 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 100191 | 23.714 | ug/L | 99 |
| 66) Toluene | 8.177 | 91 | 353961 | 24.364 | ug/L | 98 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 119066 | 22.588 | ug/L | 99 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 125023 | 23.769 | ug/L | 99 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 82576 | 23.749 | ug/L | 97 |
| 72) Tetrachloroethene | 8.775 | 164 | 80158 | 24.516 | ug/L | 94 |
| 73) 2-Hexanone | 8.958 | 43 | 73946 | 22.987 | ug/L | 98 |
| 74) 1,3-Dichloropropane | 8.824 | 76 | 139194 | 24.060 | ug/L | 99 |
| 75) Dibromochloromethane | 9.049 | 129 | 87352 | 20.393 | ug/L | 99 |
| 76) N-Butyl Acetate | 9.116 | 43 | 141207 | 22.055 | ug/L | 97 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 88219 | 22.986 | ug/L | 99 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 127607 | 21.484 | ug/L | 98 |
| 79) Chlorobenzene | 9.647 | 112 | 235320 | 23.414 | ug/L | 98 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 112846 | 21.110 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 87309 | 21.771 | ug/L | 98 |
| 82) Ethylbenzene | 9.768 | 106 | 123111 | 23.523 | ug/L | 93 |
| 83) (m+p)Xylene | 9.884 | 106 | 307363 | 47.013 | ug/L | 99 |
| 84) o-Xylene | 10.244 | 106 | 149056 | 23.212 | ug/L | 99 |
| 85) Styrene | 10.256 | 104 | 254232 | 23.357 | ug/L | 99 |
| 86) Bromoform | 10.409 | 173 | 63322 | 19.451 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 126422 | 21.783 | ug/L | 96 |
| 88) Isopropylbenzene | 10.579 | 105 | 380809 | 24.085 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 406685 | 509.023 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 28903 | 18.566 | ug/L | 85 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 105388 | 20.398 | ug/L | 98 |
| 93) Bromobenzene | 10.823 | 156 | 109047 | 22.273 | ug/L | 97 |
| 94) 1,2,3-Trichloropropane | 10.878 | 110 | 40852 | 22.853 | ug/L | 94 |
| 95) n-Propylbenzene | 10.939 | 91 | 449680 | 23.282 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 265206 | 22.668 | ug/L | 100 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 249575 | 20.834 | ug/L | 100 |
| 98) 4-Chlorotoluene | 11.098 | 91 | 313756 | 22.010 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.098 | 105 | 326735 | 21.934 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.366 | 119 | 295067 | 23.298 | ug/L | 100 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 321421 | 22.403 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 100929 | 20.925 | ug/L | 99 |
| 103) sec-Butylbenzene | 11.549 | 105 | 413804 | 22.849 | ug/L | 99 |

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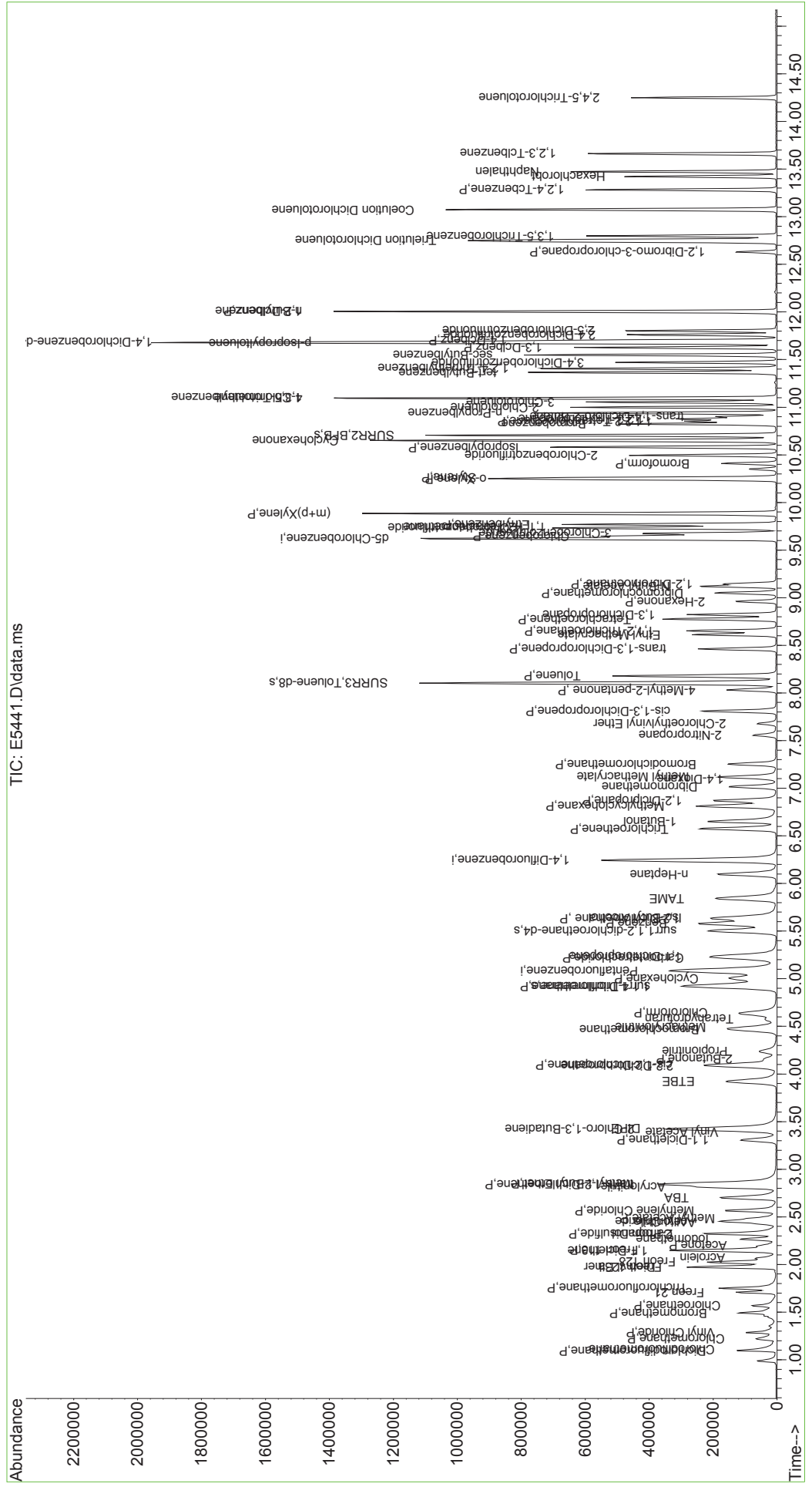
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 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 104) p-Isopropyltoluene | 11.671 | 119 | 373316 | 23.476 | ug/L | 99 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 203201 | 22.891 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 207873 | 22.880 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 92434 | 21.401 | ug/L | 98 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 102215 | 21.362 | ug/L | 98 |
| 109) n-Butylbenzene | 12.006 | 91 | 330064 | 24.156 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 195398 | 22.475 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 27689 | 19.408 | ug/L | 98 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 461171 | 62.107 | ug/L | 98 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 142462 | 21.835 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.073 | 125 | 336636 | 42.892 | ug/L | 98 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 152619 | 23.197 | ug/L | 98 |
| 116) Hexachlorobt | 13.426 | 225 | 72786 | 24.562 | ug/L | 98 |
| 117) Naphthalen | 13.475 | 128 | 392014 | 24.025 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 147127 | 23.080 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 90073 | 21.687 | ug/L | 97 |

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

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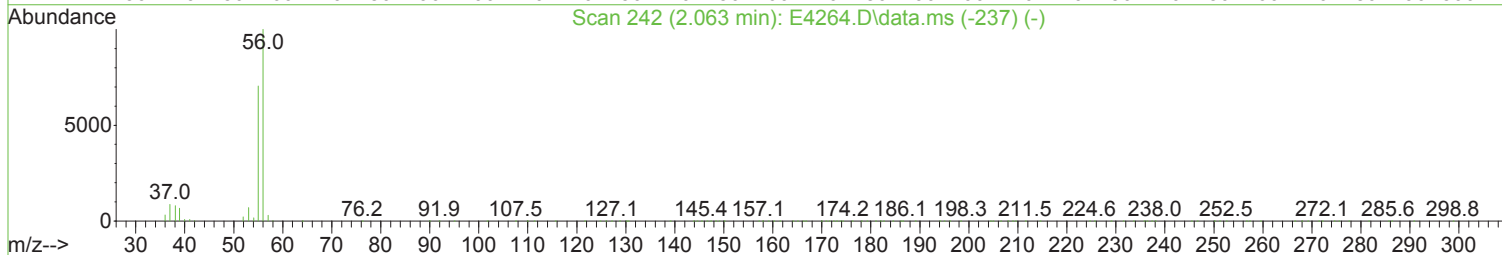
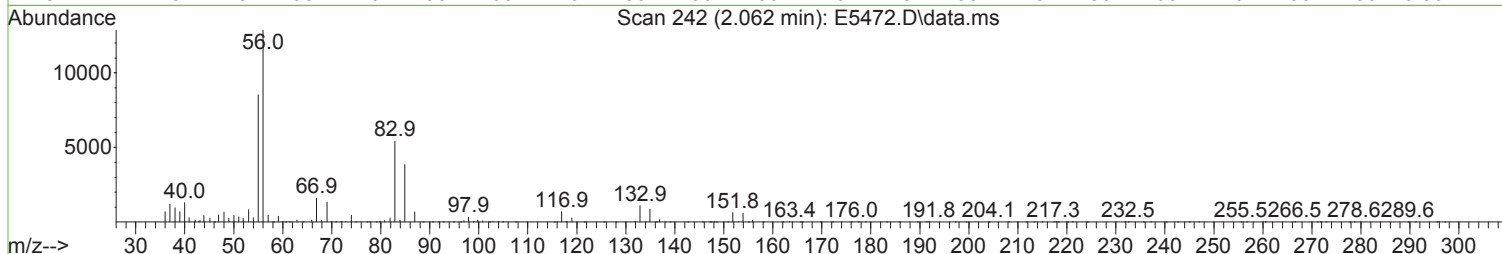
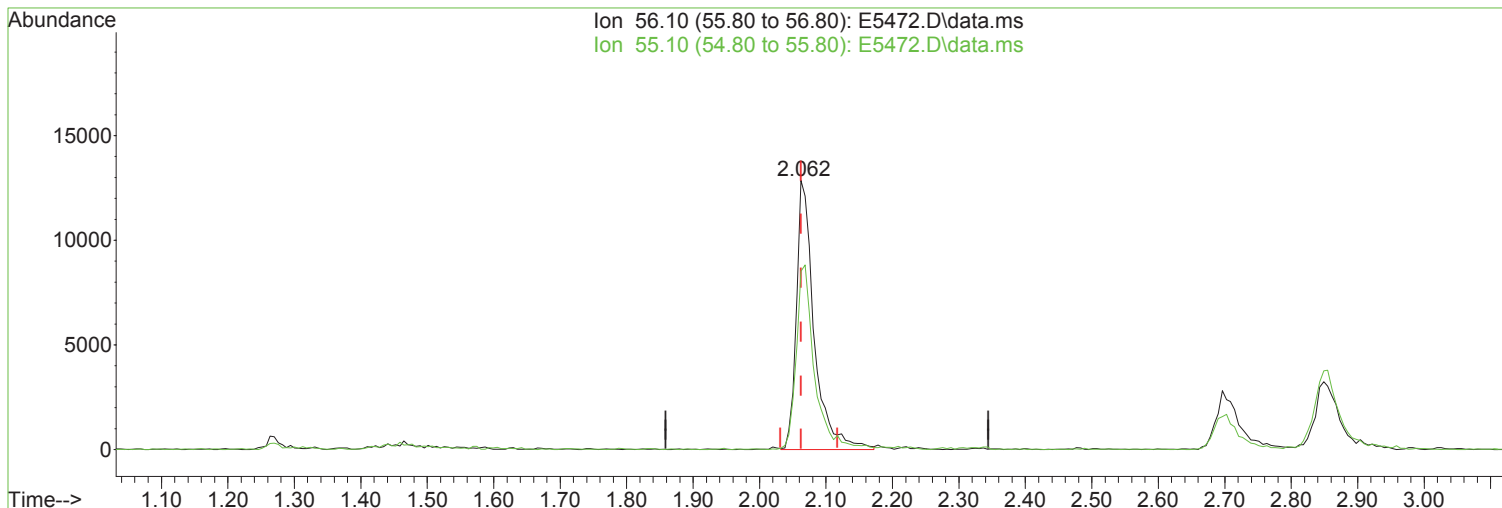
Quant Time: Sep 14 09:28:09 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



1st *WR* 09/14/23
 2nd *FJ* 09/18/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5472.D
 Acq On : 14 Sep 2023 12:37 pm
 Operator : K.Ruest
 Sample : LCS-UNP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



TIC: E5472.D\data.ms

(13) Acrolein

2.062min (-0.000) 38.04 ug/L m

response 23976

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 55.10 | 70.90 | 66.31 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

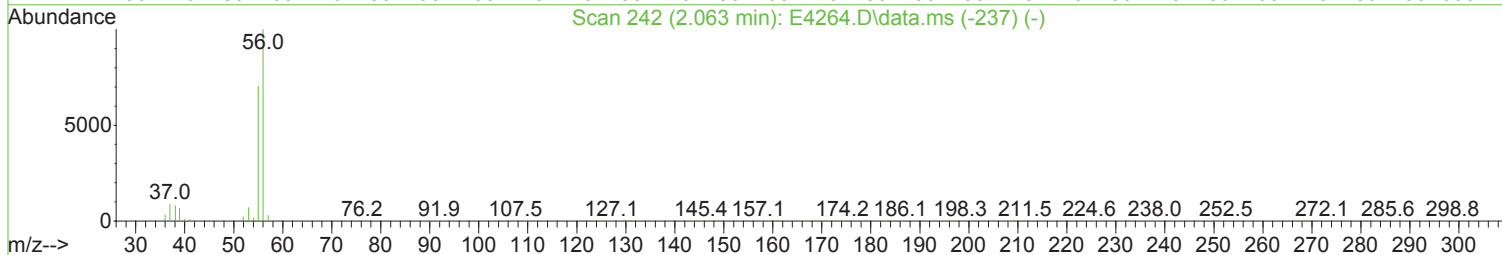
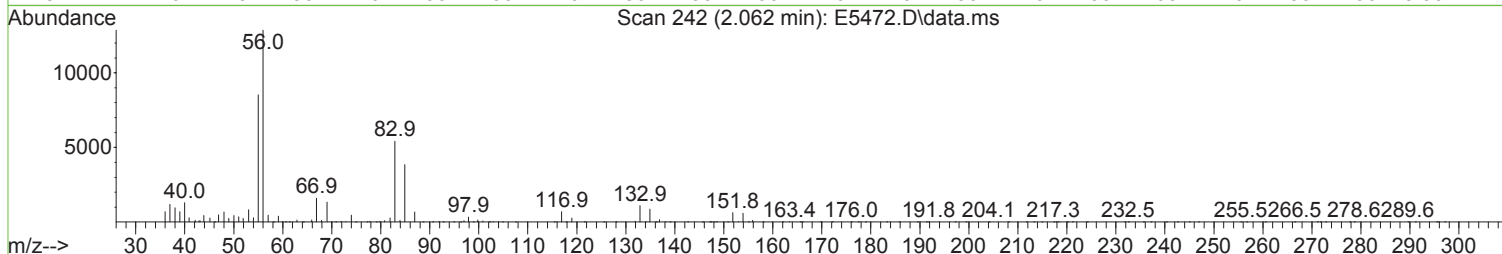
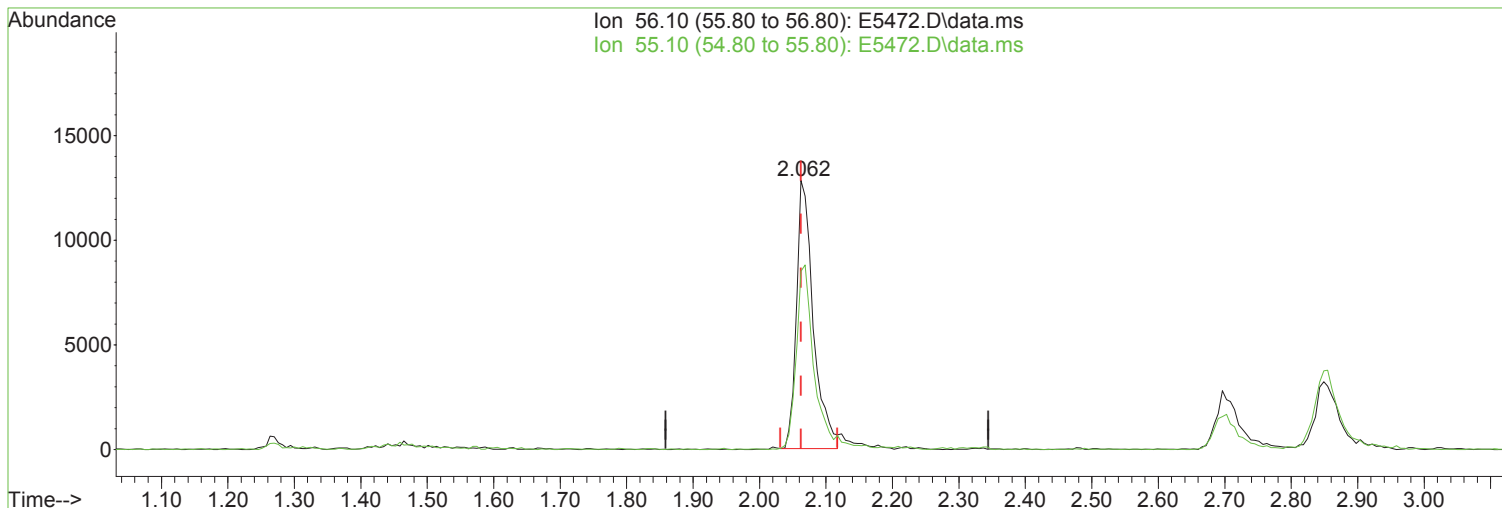
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5472.D\data.ms

(13) Acrolein

Manual Integration:

2.062min (-0.000) 35.94 ug/L

Before

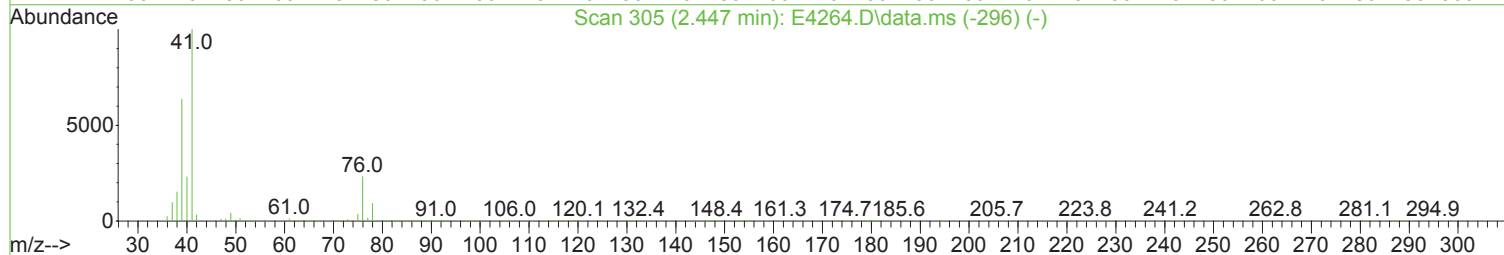
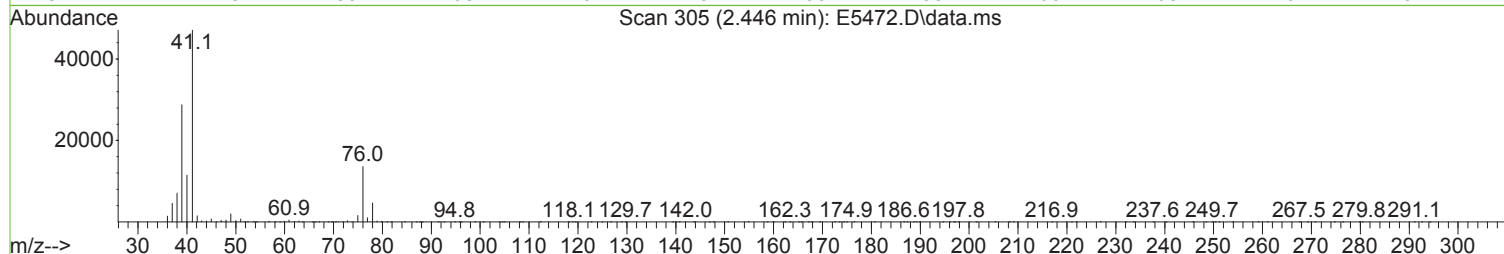
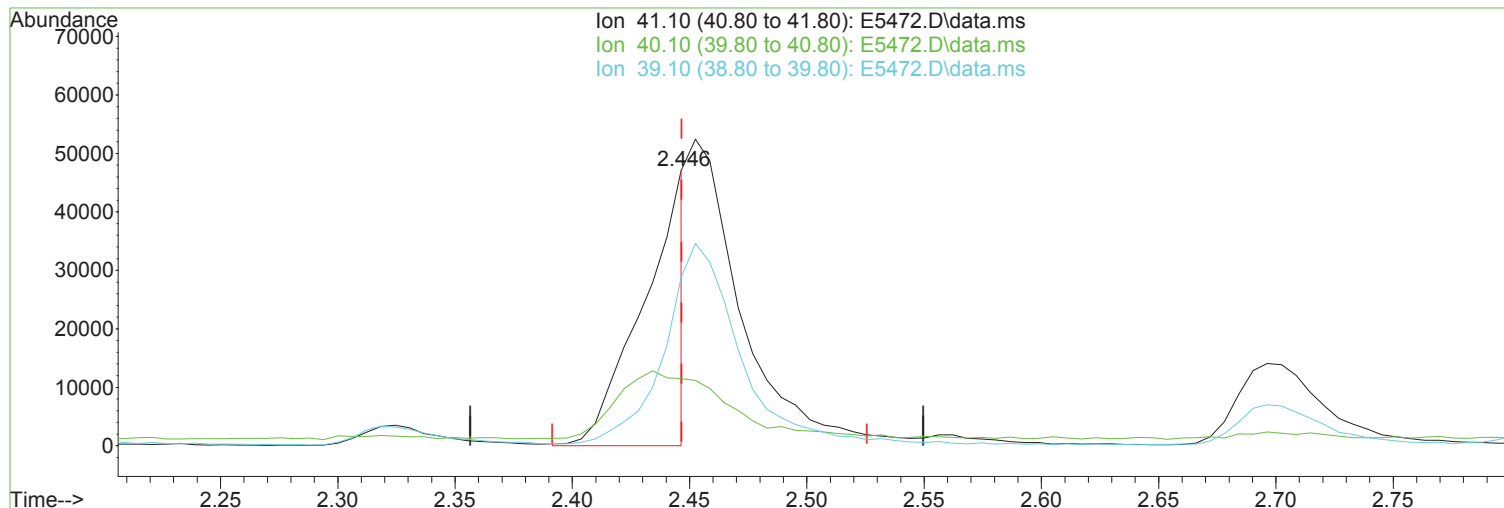
response 22655

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 55.10 | 70.90 | 66.31 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.446min (-0.000) 90.39 ug/L m

After

response 60502

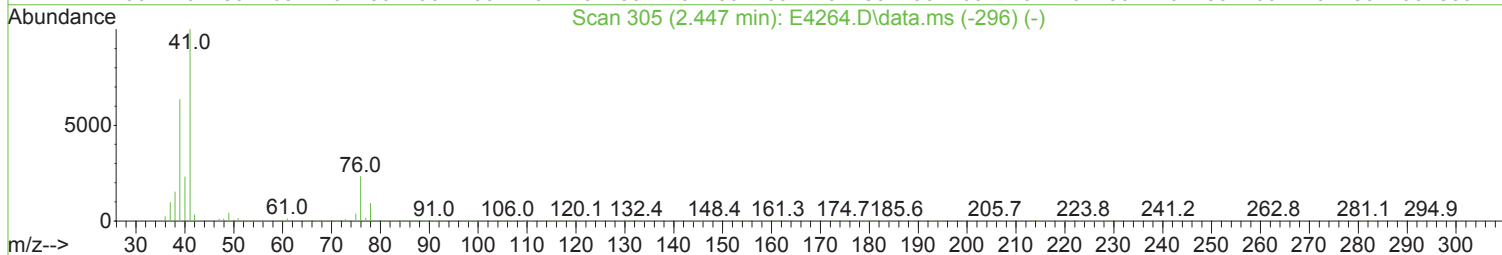
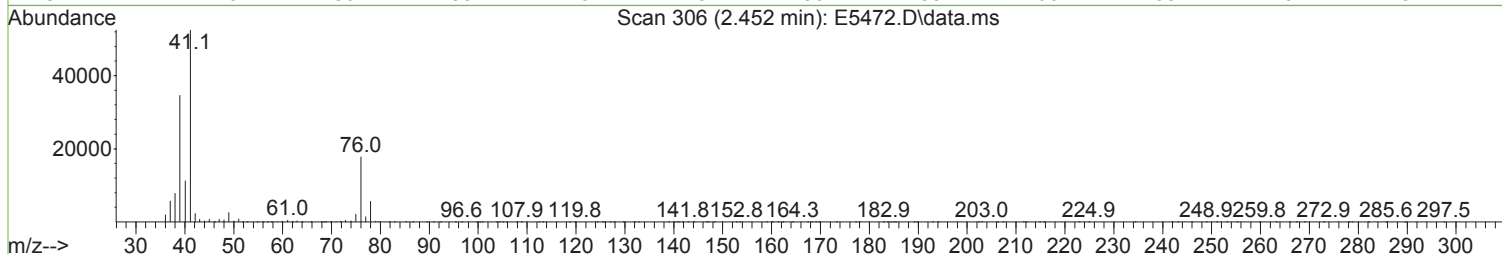
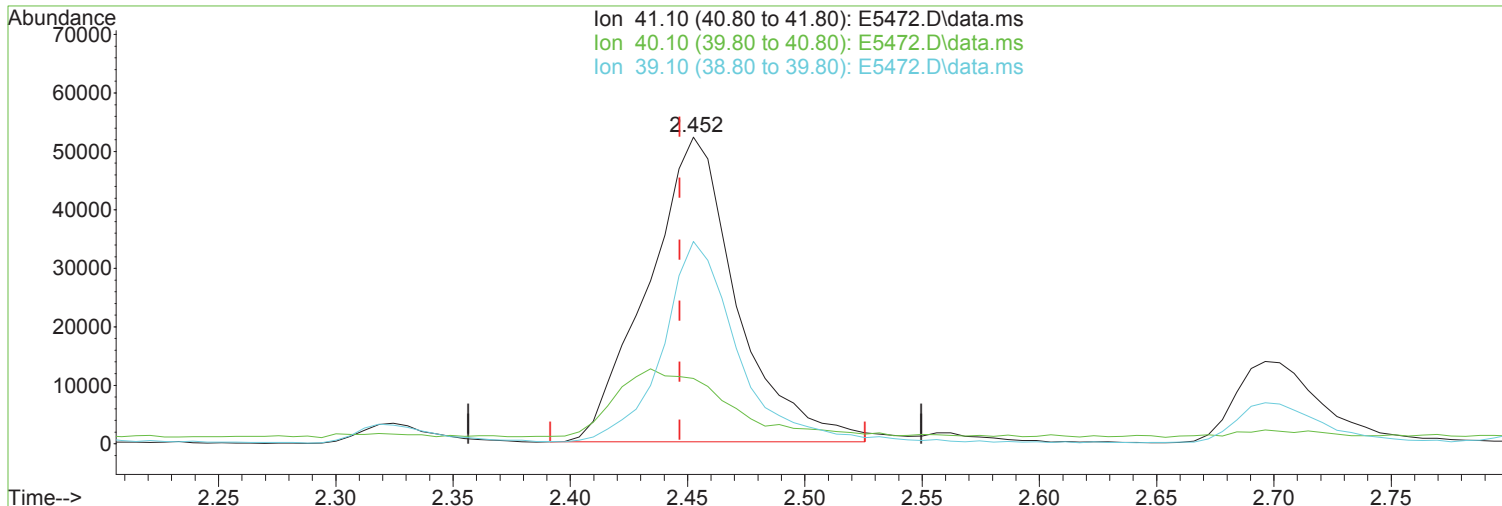
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 24.48 |
| 39.10 | 63.60 | 61.13 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.452min (+ 0.006) 205.74 ug/L

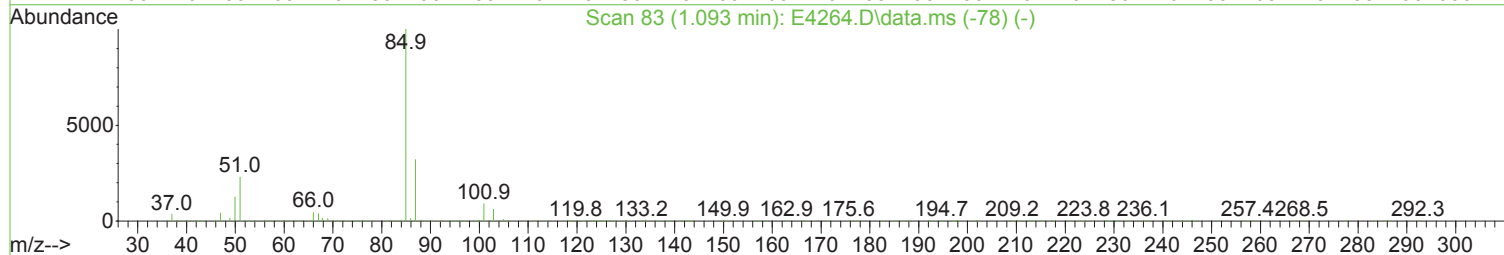
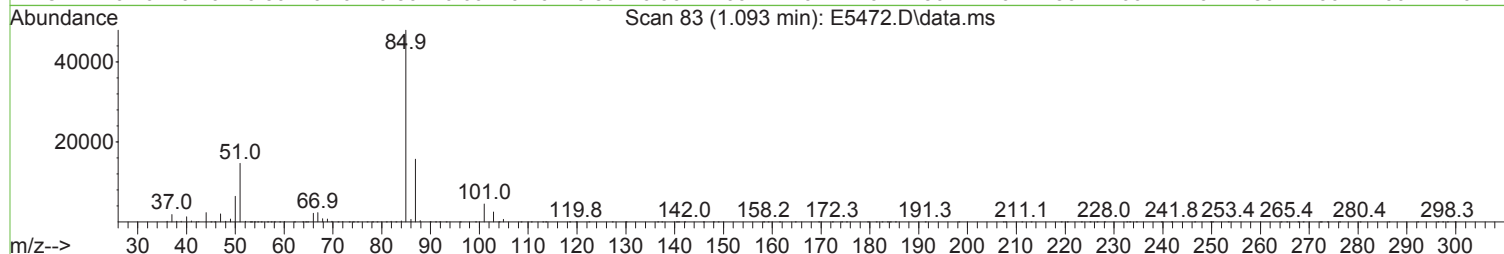
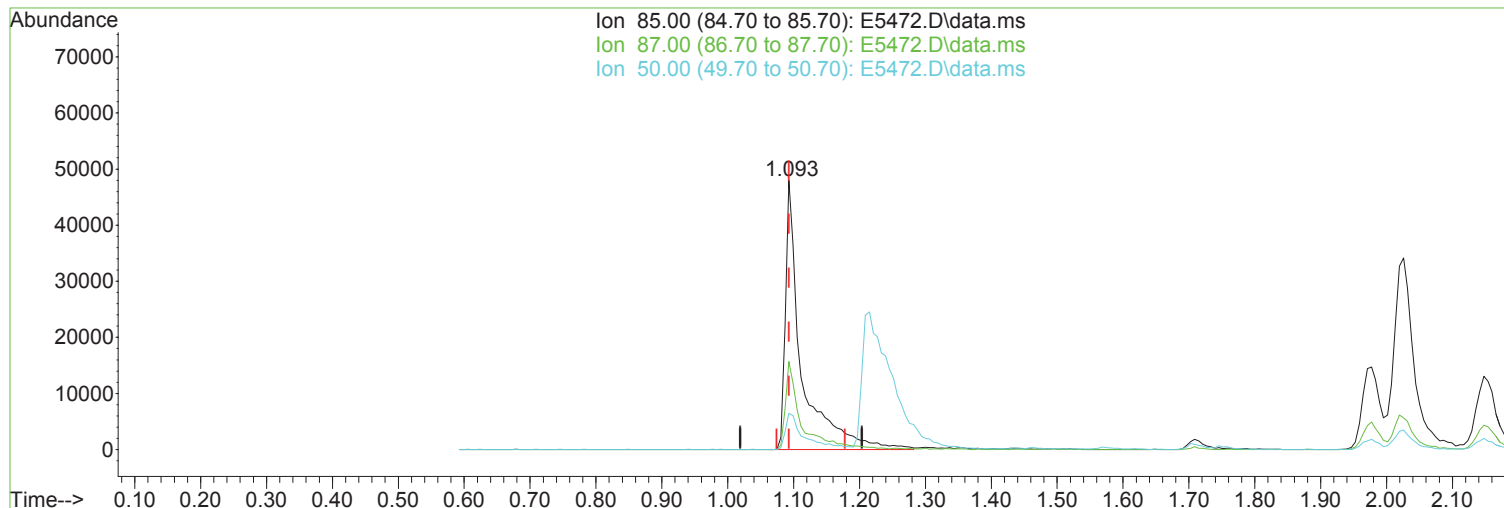
Before

response 137713

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 41.10 | 100.00 | 100.00 | 09/14/23 |
| 40.10 | 23.00 | 21.36 | |
| 39.10 | 63.60 | 65.96 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 16.94 ug/L m

response 82059

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.70 |
| 50.00 | 12.60 | 13.41 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

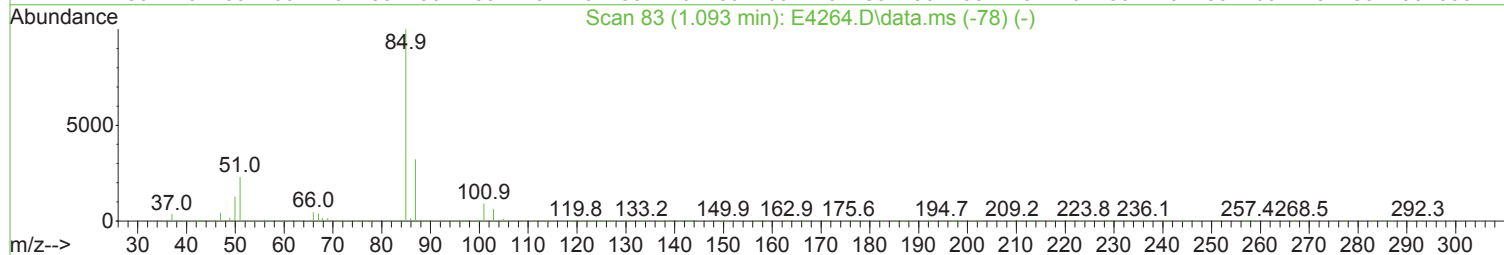
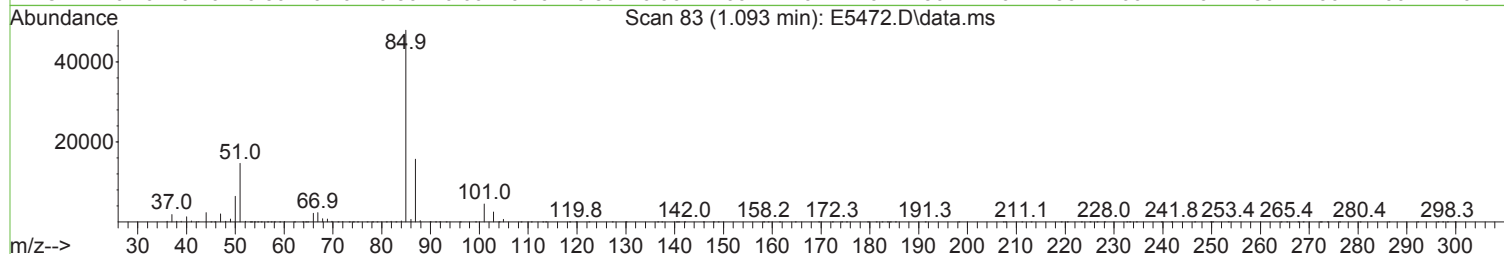
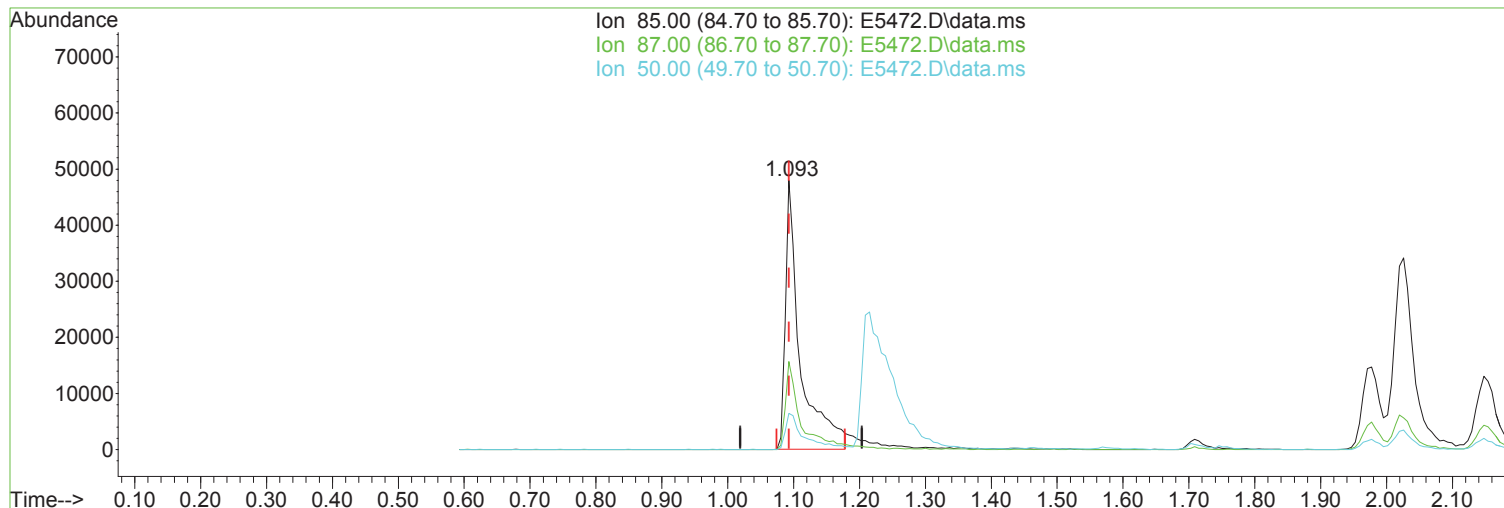
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 15.42 ug/L

Before

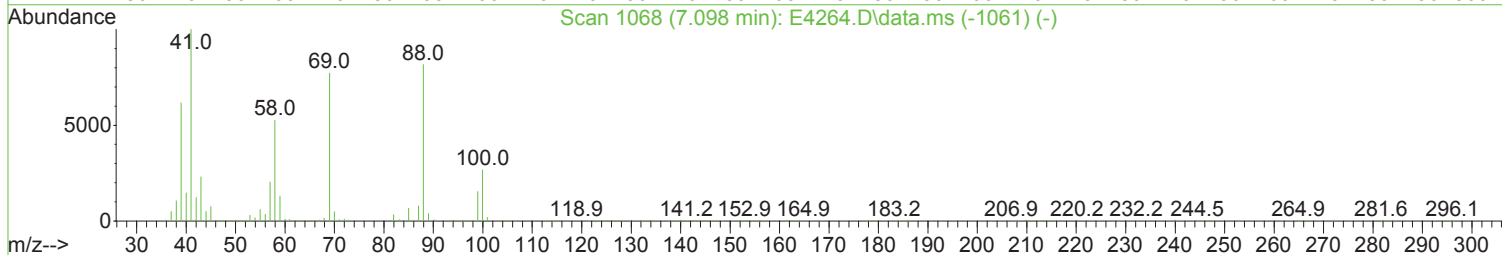
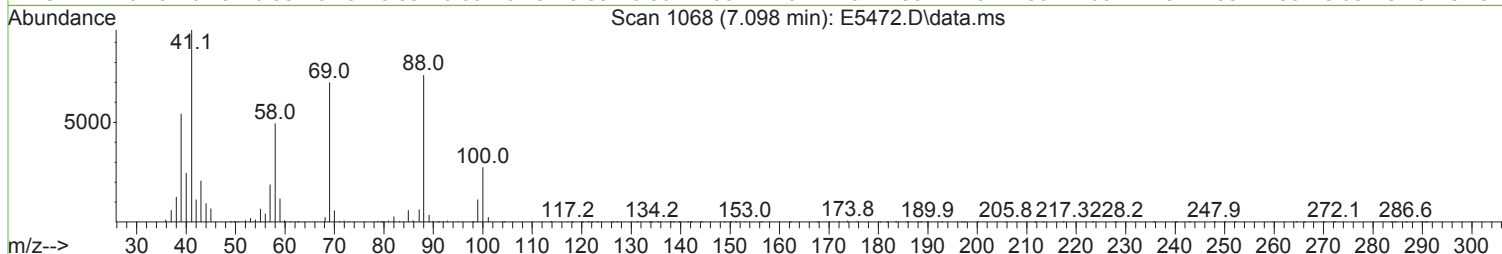
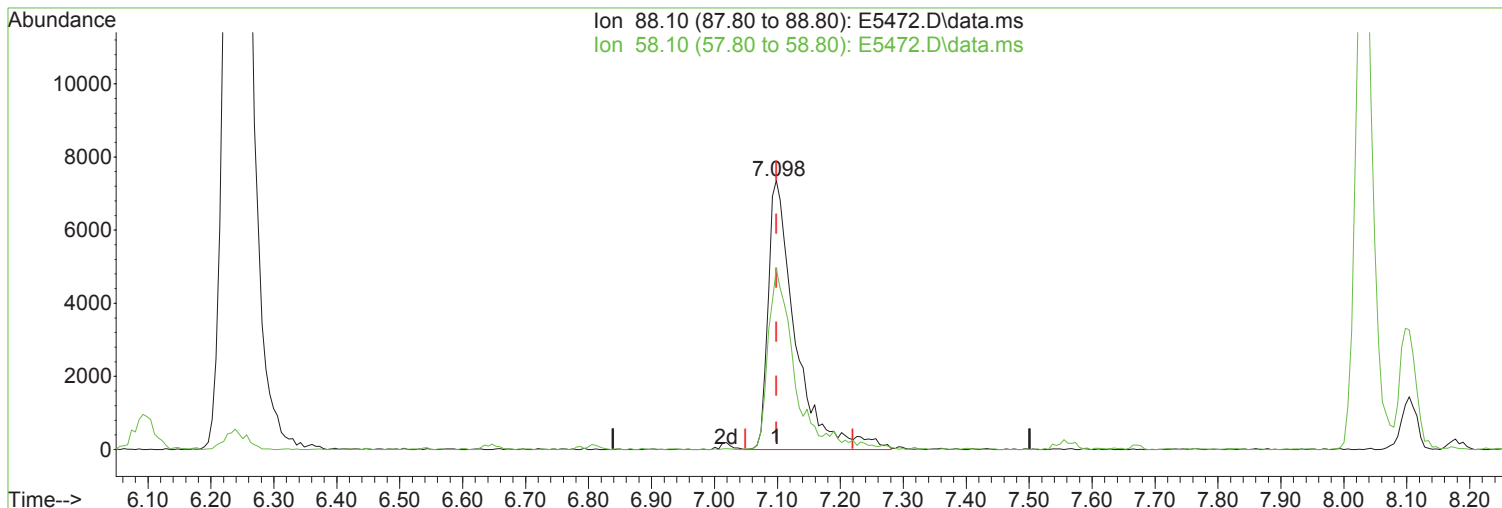
response 74662

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.70 |
| 50.00 | 12.60 | 13.41 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5472.D\data.ms

(58) 1,4-Dioxane

Manual Integration:

7.098min (-0.000) 359.38 ug/L m

After

response 22155

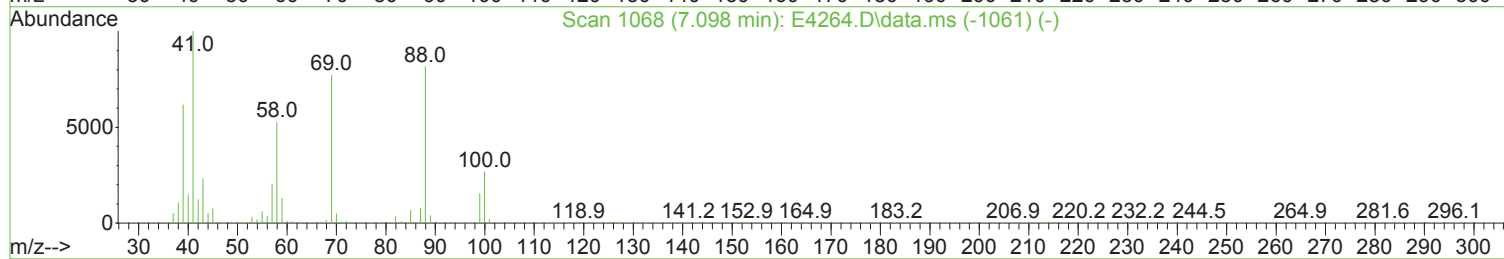
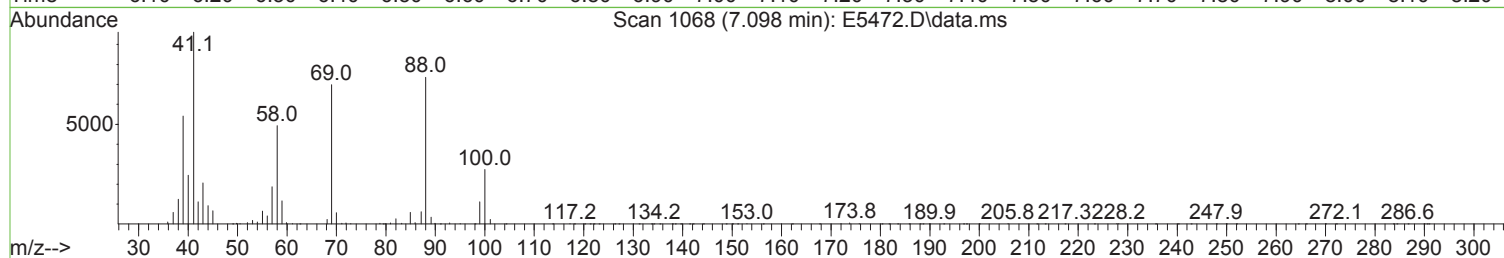
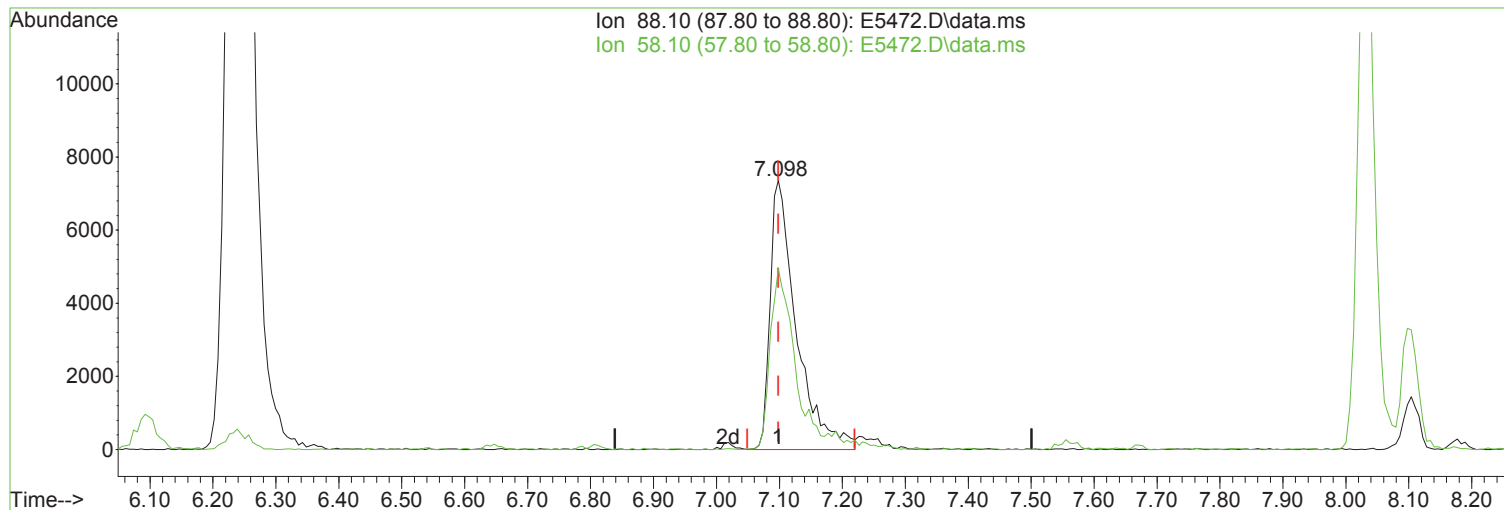
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 88.10 | 100.00 | 100.00 |
| 58.10 | 64.50 | 67.17 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(58) 1,4-Dioxane

Manual Integration:

7.098min (-0.000) 346.00 ug/L

Before

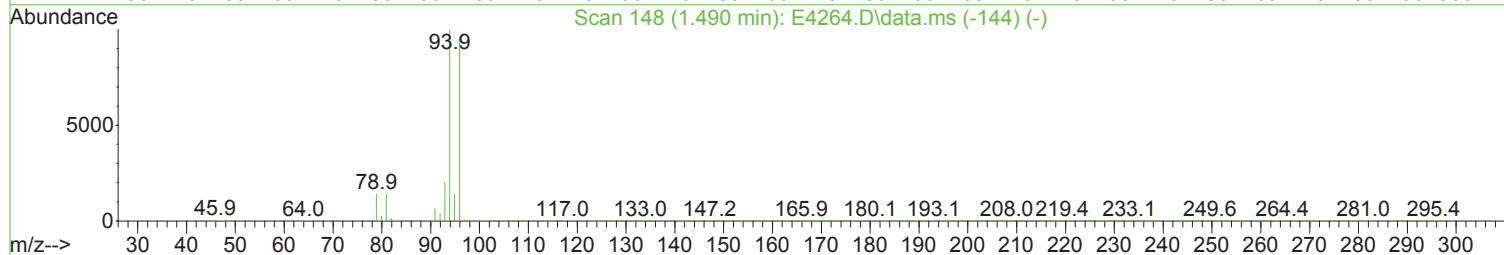
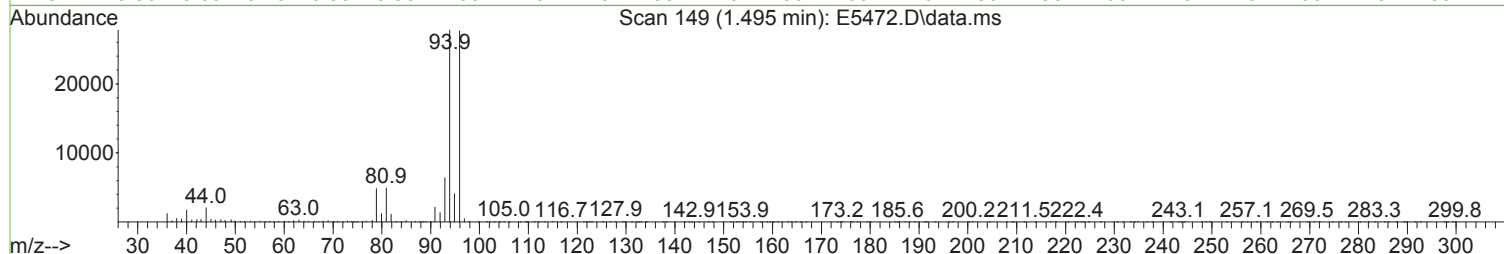
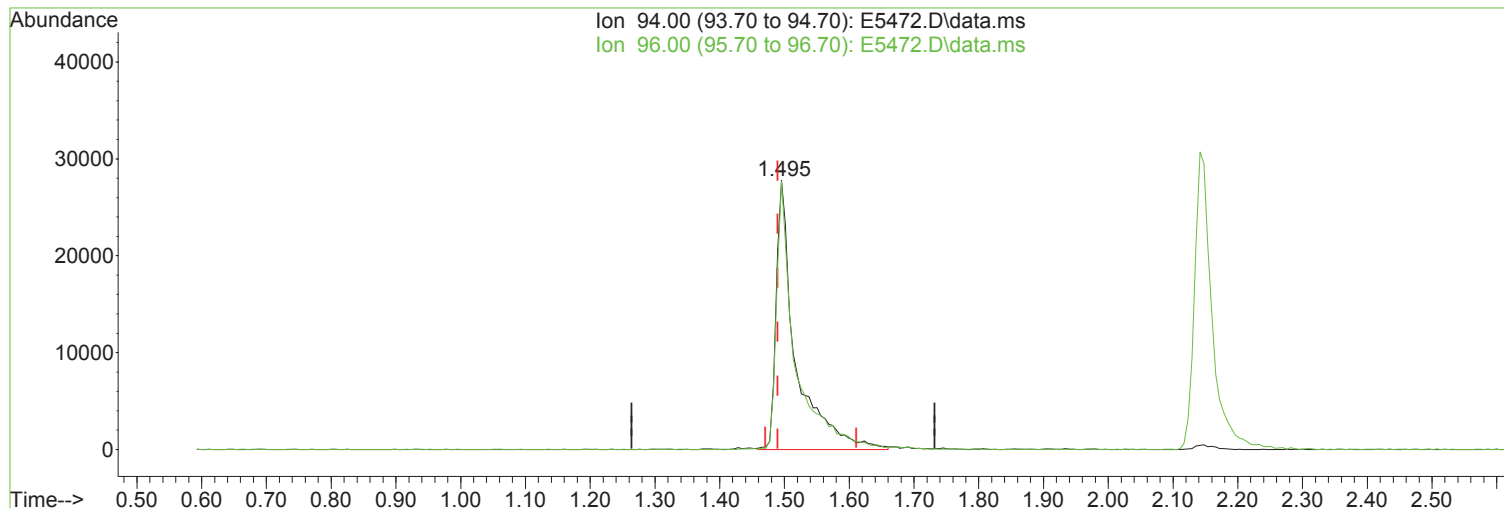
response 21330

| Ion | Exp% | Act% |
|-------|--------|--------|
| 88.10 | 100.00 | 100.00 |
| 58.10 | 64.50 | 67.17 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5472.D\data.ms

(6) Bromomethane (P)

1.495min (+ 0.006) 18.33 ug/L m

response 58723

| Ion | Exp% | Act% |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 96.00 | 99.63 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

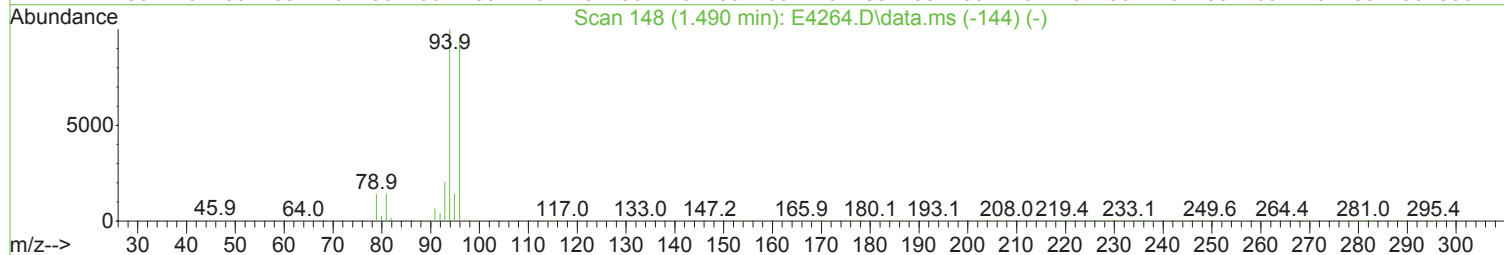
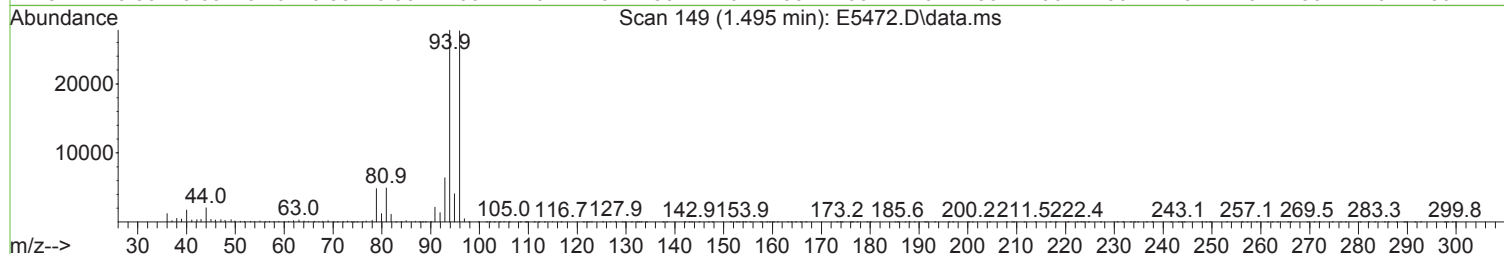
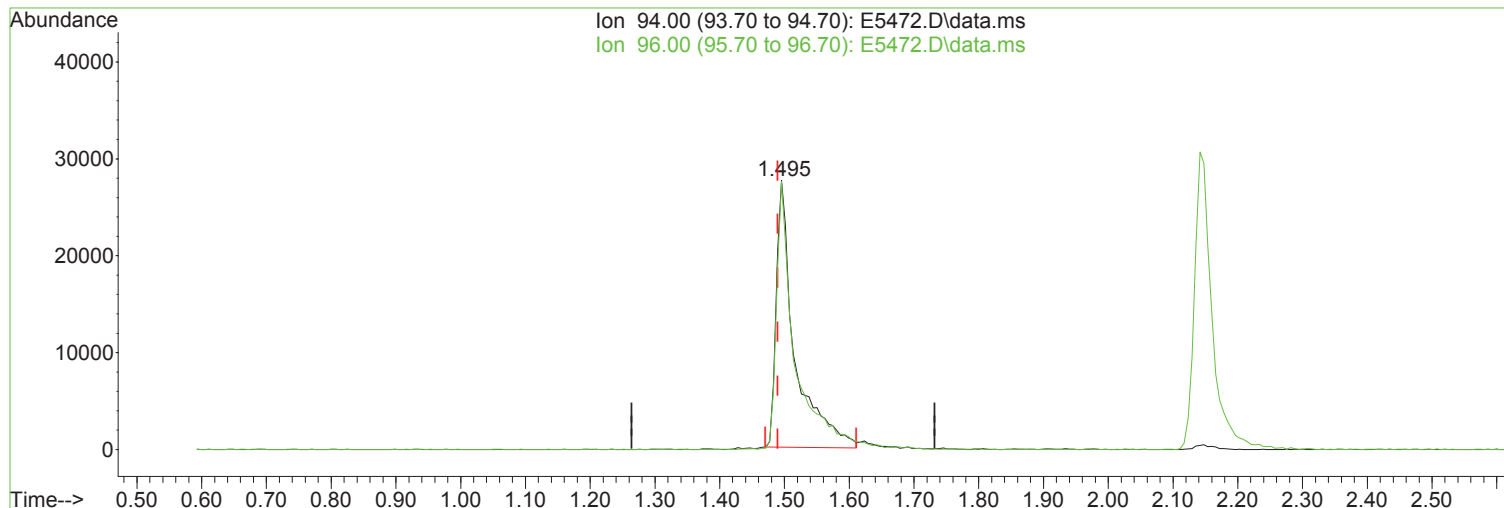
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5472.D
Acq On : 14 Sep 2023 12:37 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5472.D\data.ms

(6) Bromomethane (P)

Manual Integration:

1.495min (+ 0.006) 17.20 ug/L

Before

response 55099

| Ion | Exp% | Act% |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 96.00 | 99.63 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5472.D
 Acq On : 14 Sep 2023 12:37 pm
 Operator : K.Ruest
 Sample : LCS-UNP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|----------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 421836 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-Difluorobenzene | 6.244 | 114 | 588957 | 50.00 | ug/L | 0.00 | |
| 71) d5-Chlorobenzene | 9.616 | 117 | 534436 | 50.00 | ug/L | 0.00 | |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 280718 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 45) surr4,Dibrflmethane | 4.915 | 113 | 196975 | 50.57 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 101.14% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 224867 | 50.39 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 100.78% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 738639 | 52.14 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 104.28% | |
| 70) SURR2,BFB | 10.707 | 95 | 256784 | 47.57 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 95.14% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 65110 | 16.795 | ug/L | | 93 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 82059m | 16.944 | ug/L | | |
| 4) Chloromethane | 1.215 | 50 | 75533 | 20.357 | ug/L | | 98 |
| 5) Vinyl Chloride | 1.282 | 62 | 74537 | 16.029 | ug/L | | 99 |
| 6) Bromomethane | 1.495 | 94 | 58723m | 18.333 | ug/L | | |
| 7) Chloroethane | 1.569 | 64 | 45654 | 14.837 | ug/L | | 97 |
| 8) Freon 21 | 1.709 | 67 | 102042 | 16.413 | ug/L | | 96 |
| 9) Trichlorofluoromethane | 1.751 | 101 | 109180 | 18.636 | ug/L | | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 56139 | 19.468 | ug/L | | 98 |
| 11) Freon 123a | 1.977 | 67 | 68045 | 18.403 | ug/L | | 96 |
| 12) Freon 123 | 2.026 | 83 | 103826 | 22.552 | ug/L | | 98 |
| 13) Acrolein | 2.062 | 56 | 23976m | 38.038 | ug/L | | |
| 14) 1,1-Dicethene | 2.142 | 96 | 58265 | 18.212 | ug/L | | 96 |
| 15) Freon 113 | 2.154 | 101 | 68378 | 19.499 | ug/L | | 100 |
| 16) Acetone | 2.196 | 43 | 29599 | 15.124 | ug/L | | 94 |
| 17) 2-Propanol | 2.318 | 45 | 104888 | 326.418 | ug/L | | 99 |
| 18) Iodomethane | 2.263 | 142 | 101157 | 20.516 | ug/L | | 97 |
| 19) Carbon Disulfide | 2.318 | 76 | 154125 | 16.220 | ug/L | | 100 |
| 20) Acetonitrile | 2.446 | 41 | 60502m | 90.387 | ug/L | | |
| 21) Allyl Chloride | 2.452 | 76 | 36017 | 19.869 | ug/L | | 97 |
| 22) Methyl Acetate | 2.483 | 43 | 60590 | 13.679 | ug/L | | 97 |
| 23) Methylene Chloride | 2.568 | 84 | 67687 | 18.971 | ug/L | | 97 |
| 24) TBA | 2.696 | 59 | 169837 | 301.496 | ug/L | | 94 |
| 25) Acrylonitrile | 2.812 | 53 | 149731 | 90.511 | ug/L | | 99 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 205378 | 18.077 | ug/L | | 98 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 66984 | 18.464 | ug/L | | 96 |
| 28) 1,1-Dicethane | 3.306 | 63 | 116867 | 20.287 | ug/L | | 99 |
| 29) Vinyl Acetate | 3.397 | 86 | 14609 | 26.677 | ug/L | # | 80 |
| 30) DIPE | 3.428 | 45 | 212724 | 20.425 | ug/L | | 96 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 95907 | 17.466 | ug/L | | 96 |
| 32) ETBE | 3.922 | 59 | 191088 | 17.676 | ug/L | | 97 |
| 33) 2,2-Dichloropropane | 4.086 | 77 | 100263 | 17.751 | ug/L | | 97 |
| 34) cis-1,2-Dichloroethene | 4.092 | 96 | 73731 | 18.538 | ug/L | | 96 |
| 35) 2-Butanone | 4.166 | 43 | 34934 | 15.107 | ug/L | | 99 |
| 36) Propionitrile | 4.233 | 54 | 61672 | 89.312 | ug/L | | 95 |
| 37) Bromochloromethane | 4.464 | 130 | 49858 | 19.131 | ug/L | | 99 |
| 38) Methacrylonitrile | 4.483 | 67 | 32361 | 17.651 | ug/L | | 92 |
| 39) Tetrahydrofuran | 4.574 | 42 | 23618 | 16.864 | ug/L | | 96 |
| 40) Chloroform | 4.635 | 83 | 123849 | 18.968 | ug/L | | 99 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5472.D
 Acq On : 14 Sep 2023 12:37 pm
 Operator : K.Ruest
 Sample : LCS-UNP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 41) 1,1,1-Trichloroethane | 4.915 | 97 | 104559 | 17.615 | ug/L | 98 |
| 42) TAME | 5.842 | 73 | 202664 | 19.204 | ug/L | 97 |
| 44) Cyclohexane | 5.001 | 41 | 59365 | 18.799 | ug/L | 95 |
| 46) Carbontetrachloride | 5.220 | 117 | 87707 | 17.929 | ug/L | 99 |
| 47) 1,1-Dichloropropene | 5.232 | 75 | 88454 | 19.764 | ug/L | 98 |
| 49) Benzene | 5.574 | 78 | 264622 | 20.689 | ug/L | 99 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 94390 | 18.867 | ug/L | 97 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 71550 | 337.975 | ug/L | 98 |
| 52) n-Heptane | 6.092 | 43 | 93182 | 20.297 | ug/L | 99 |
| 53) 1-Butanol | 6.647 | 56 | 116657 | 873.957 | ug/L | 97 |
| 54) Trichloroethene | 6.574 | 130 | 76717 | 19.346 | ug/L | 98 |
| 55) Methylcyclohexane | 6.811 | 55 | 84791 | 19.246 | ug/L | 96 |
| 56) 1,2-Diclpropane | 6.866 | 63 | 65626 | 19.776 | ug/L | 99 |
| 57) Dibromomethane | 7.013 | 93 | 45896 | 18.833 | ug/L | 92 |
| 58) 1,4-Dioxane | 7.098 | 88 | 22155m | 359.384 | ug/L | |
| 59) Methyl Methacrylate | 7.116 | 69 | 54020 | 17.923 | ug/L | 97 |
| 60) Bromodichloromethane | 7.250 | 83 | 84437 | 16.497 | ug/L | 99 |
| 61) 2-Nitropropane | 7.555 | 41 | 31848 | 24.493 | ug/L | 88 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 25947 | 12.203 | ug/L | 97 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 106689 | 18.678 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 74848 | 17.672 | ug/L | 99 |
| 66) Toluene | 8.177 | 91 | 293037 | 20.121 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 96519 | 18.266 | ug/L | 98 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 94014 | 17.830 | ug/L | 99 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 64685 | 18.558 | ug/L | 98 |
| 72) Tetrachloroethene | 8.775 | 164 | 66207 | 20.410 | ug/L | 96 |
| 73) 2-Hexanone | 8.957 | 43 | 53661 | 16.813 | ug/L | 97 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 112094 | 19.529 | ug/L | 98 |
| 75) Dibromochloromethane | 9.049 | 129 | 69703 | 16.402 | ug/L | 97 |
| 76) N-Butyl Acetate | 9.116 | 43 | 113019 | 17.792 | ug/L | 97 |
| 77) 1,2-Dibromoethane | 9.146 | 107 | 69845 | 18.343 | ug/L | 98 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 125827 | 21.352 | ug/L | 97 |
| 79) Chlorobenzene | 9.646 | 112 | 198709 | 19.928 | ug/L | 98 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 112551 | 21.222 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 70430 | 17.701 | ug/L | 99 |
| 82) Ethylbenzene | 9.768 | 106 | 103202 | 19.875 | ug/L | 97 |
| 83) (m+p)Xylene | 9.884 | 106 | 256103 | 39.483 | ug/L | 99 |
| 84) o-Xylene | 10.244 | 106 | 124307 | 19.511 | ug/L | 97 |
| 85) Styrene | 10.256 | 104 | 209115 | 19.365 | ug/L | 98 |
| 86) Bromoform | 10.408 | 173 | 48963 | 15.160 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 119028 | 20.671 | ug/L | 99 |
| 88) Isopropylbenzene | 10.579 | 105 | 321855 | 20.518 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 274114 | 345.812 | ug/L | 99 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 21966 | 14.222 | ug/L | 87 |
| 92) 1,1,2,2-Tetrachloroethane | 10.853 | 83 | 92622 | 18.591 | ug/L | 97 |
| 93) Bromobenzene | 10.823 | 156 | 89815 | 19.024 | ug/L | 98 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 30250 | 17.548 | ug/L # | 89 |
| 95) n-Propylbenzene | 10.939 | 91 | 386502 | 20.752 | ug/L | 99 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 223773 | 19.835 | ug/L | 100 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 228613 | 19.791 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 262789 | 19.117 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.091 | 105 | 273858 | 19.065 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.366 | 119 | 244065 | 19.985 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 272899 | 19.725 | ug/L | 99 |
| 102) 3,4-Dichlorobenzotrifl... | 11.469 | 214 | 103477 | 22.247 | ug/L | 97 |
| 103) sec-Butylbenzene | 11.548 | 105 | 357625 | 20.479 | ug/L | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5472.D
 Acq On : 14 Sep 2023 12:37 pm
 Operator : K.Ruest
 Sample : LCS-UNP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

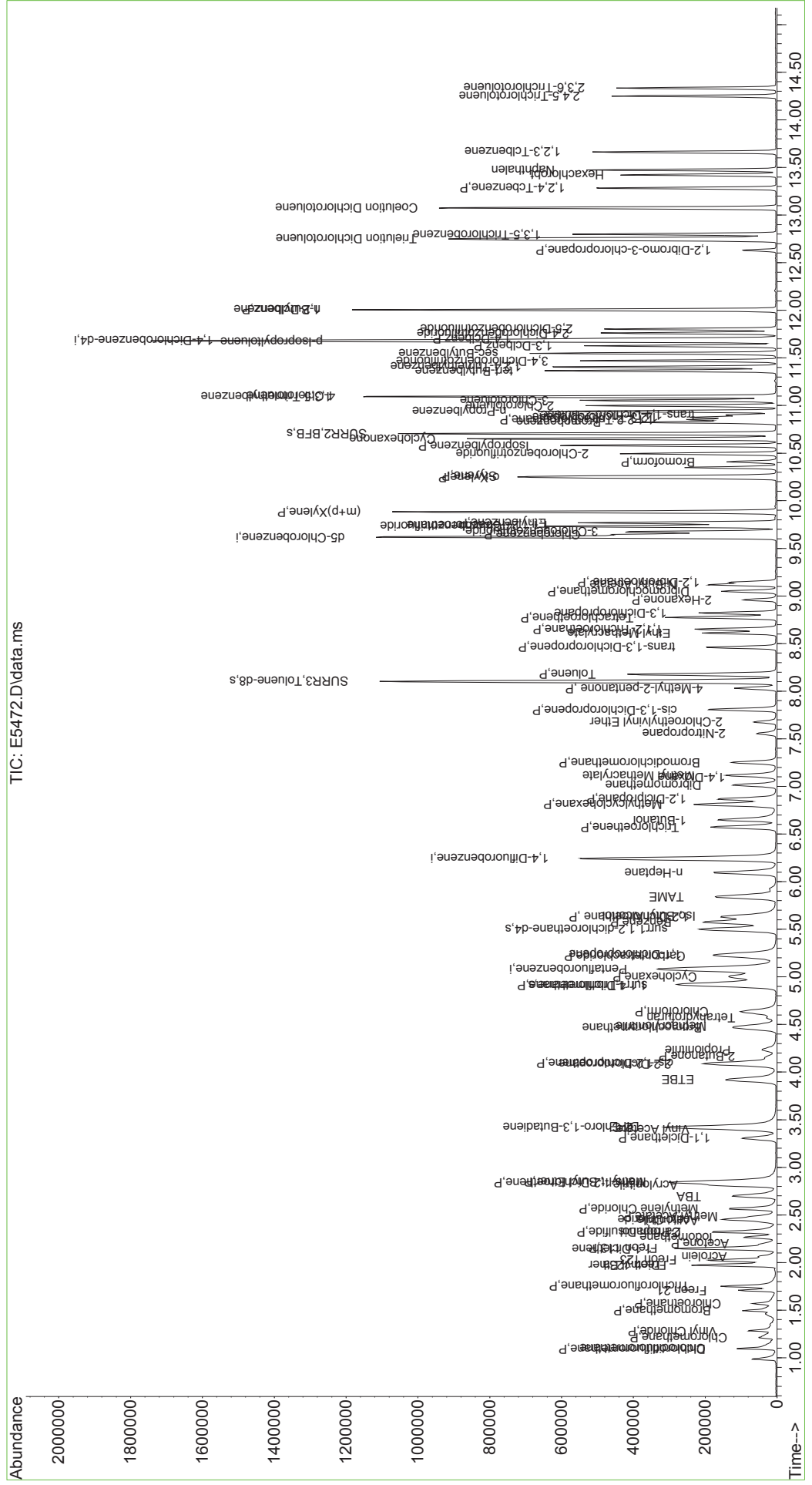
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 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 104) p-Isopropyltoluene | 11.670 | 119 | 318927 | 20.799 | ug/L | 97 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 171787 | 20.069 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 171724 | 19.601 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 92170 | 22.130 | ug/L | 97 |
| 108) 2,5-Dichlorobenzotrifl... | 11.804 | 214 | 103638 | 22.461 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 278179 | 21.112 | ug/L | 100 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 162192 | 19.346 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 20734 | 15.071 | ug/L | 97 |
| 112) Trielution Dichlorotol... | 12.749 | 125 | 436770 | 60.999 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 134397 | 21.362 | ug/L | 95 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 313884 | 41.474 | ug/L | 92 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 127552 | 20.105 | ug/L | 98 |
| 116) Hexachlorobt | 13.426 | 225 | 65978 | 23.089 | ug/L | 97 |
| 117) Naphthalen | 13.475 | 128 | 310772 | 19.752 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 125405 | 20.401 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 92722 | 23.151 | ug/L | 97 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 82674 | 22.095 | ug/L | 99 |

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

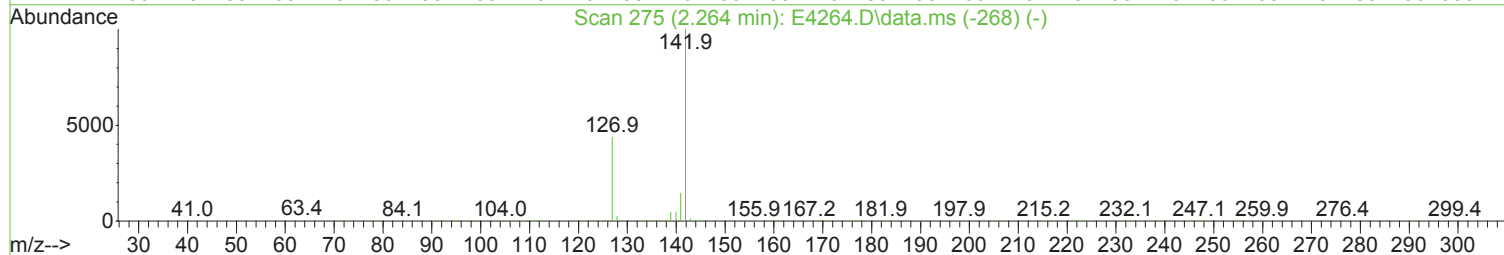
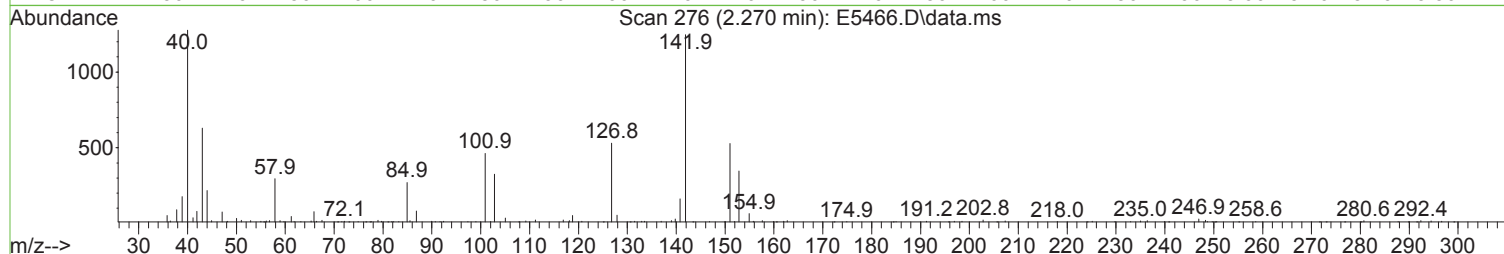
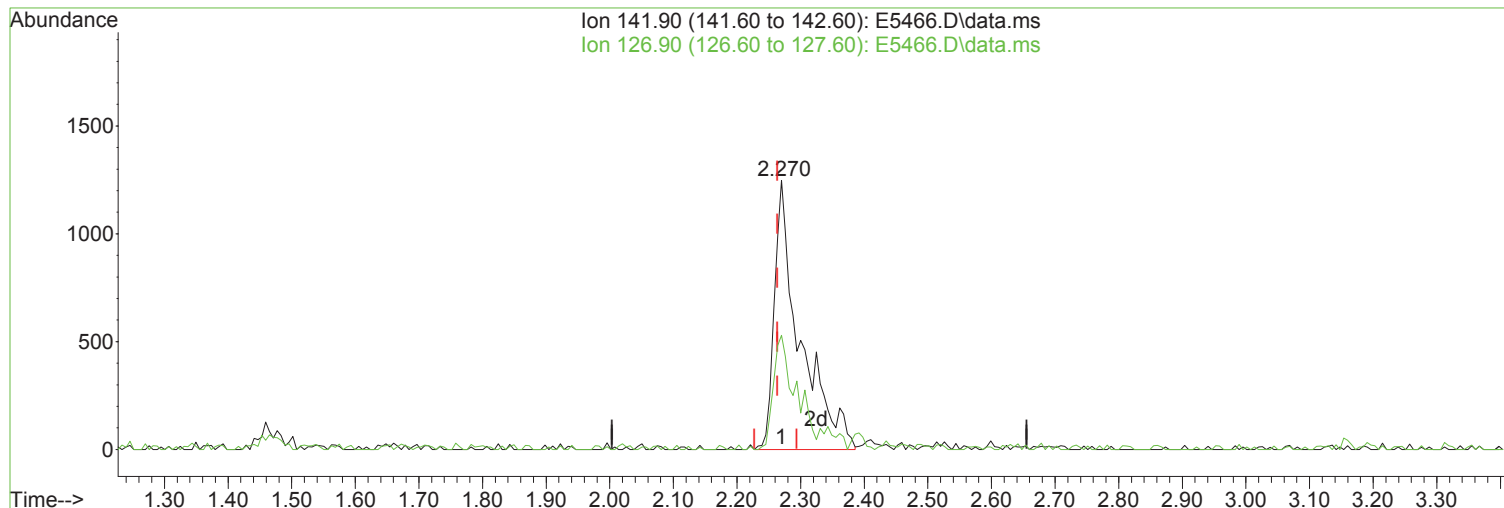
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 Data File : E5472.D
 Acq On : 14 Sep 2023 12:37 pm
 Operator : K.Ruest
 Sample : LCS-UNP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:54:34 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5466.D
Acq On : 14 Sep 2023 09:31 am
Operator : K.Ruest
Sample : R2308315-006MS|10
Misc : VERINA 8260 T4
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 14 09:54:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5466.D\data.ms

(18) Iodomethane

Manual Integration:

2.270min (+ 0.006) 0.74 ug/L m

After

response 3502

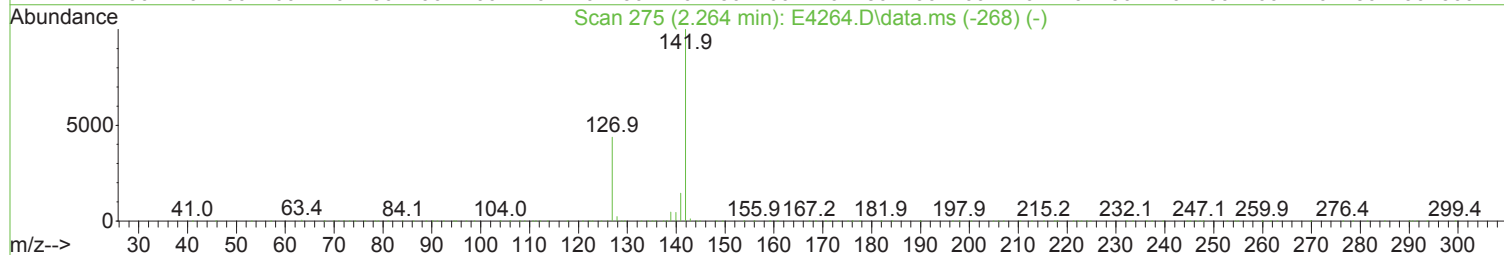
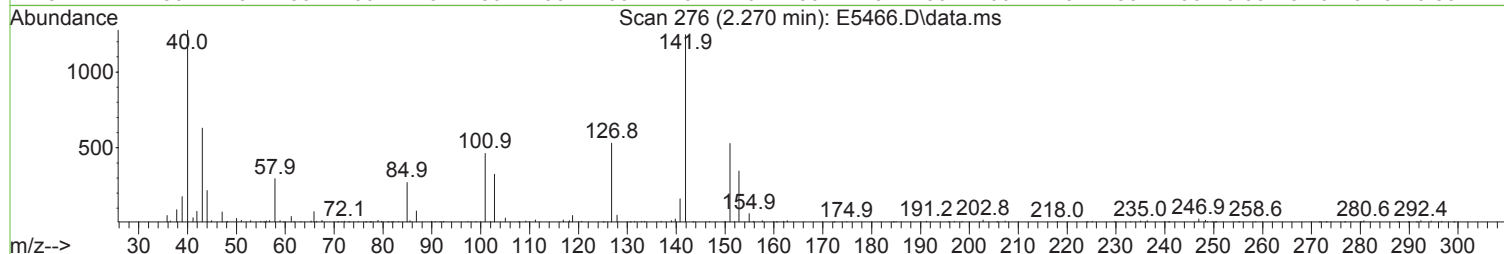
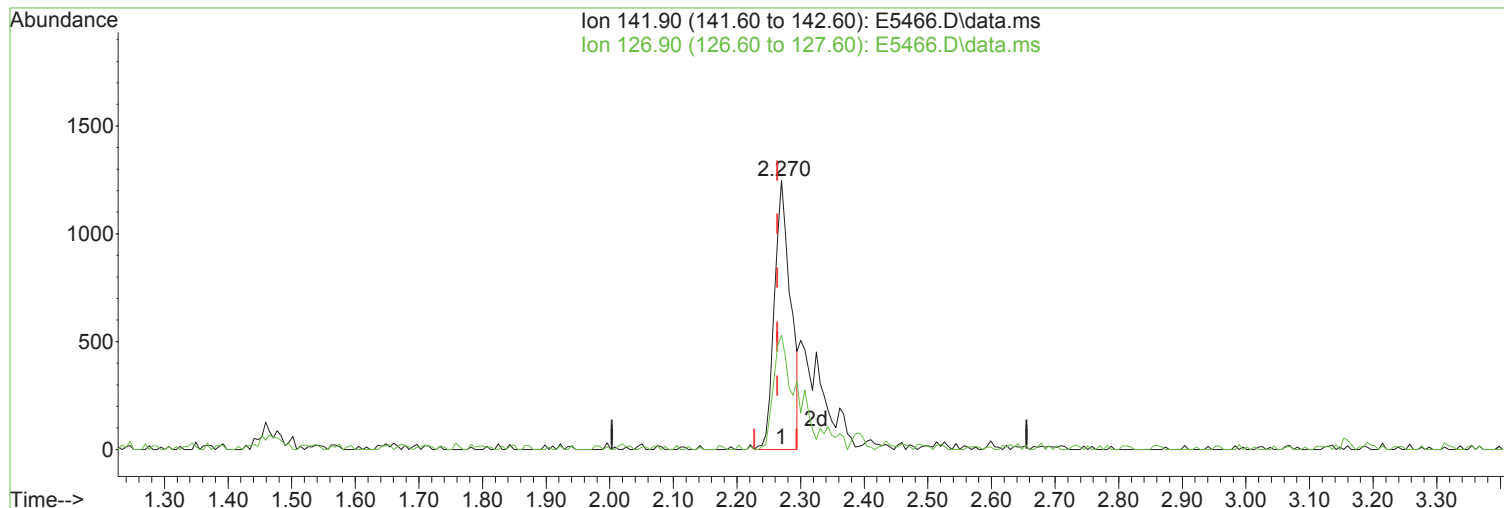
Split Peak.

| Ion | Exp% | Act% |
|--------|--------|--------|
| 141.90 | 100.00 | 100.00 |
| 126.90 | 43.80 | 42.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5466.D
 Acq On : 14 Sep 2023 09:31 am
 Operator : K.Ruest
 Sample : R2308315-006MS|10
 Misc : VERINA 8260 T4
 ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 14 09:54:47 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



TIC: E5466.D\data.ms

(18) Iodomethane

Manual Integration:

2.270min (+ 0.006) 0.47 ug/L

Before

response 2211

Ion Exp% Act%

09/15/23

141.90 100.00 100.00

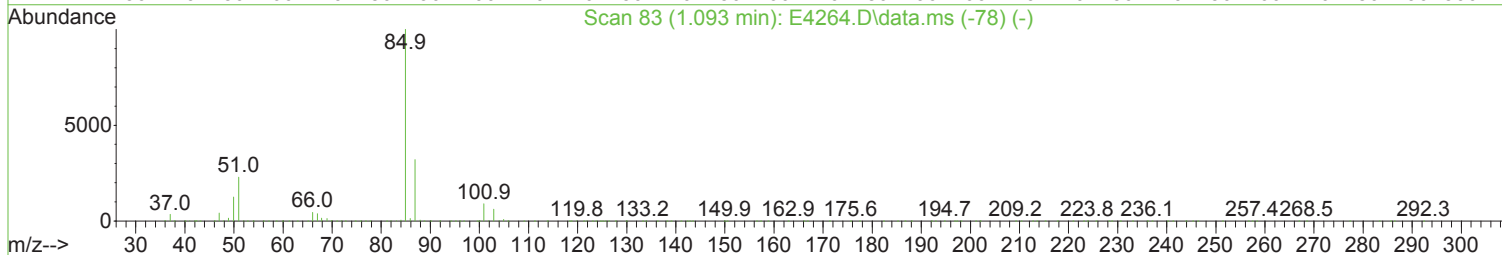
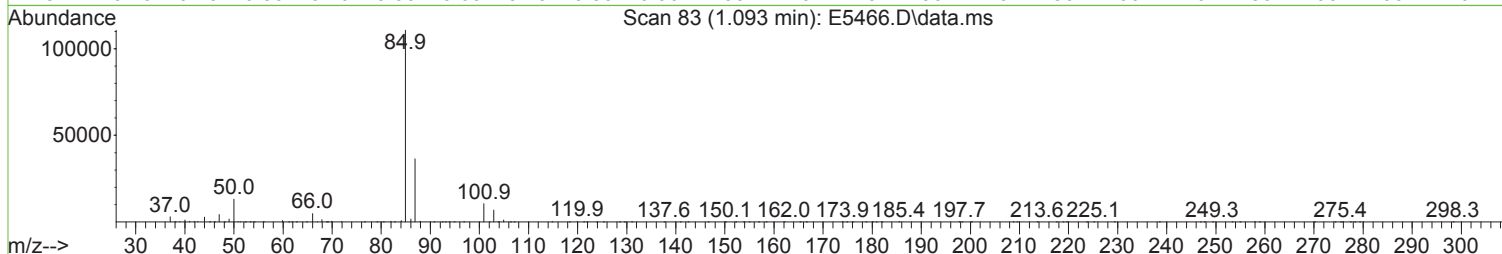
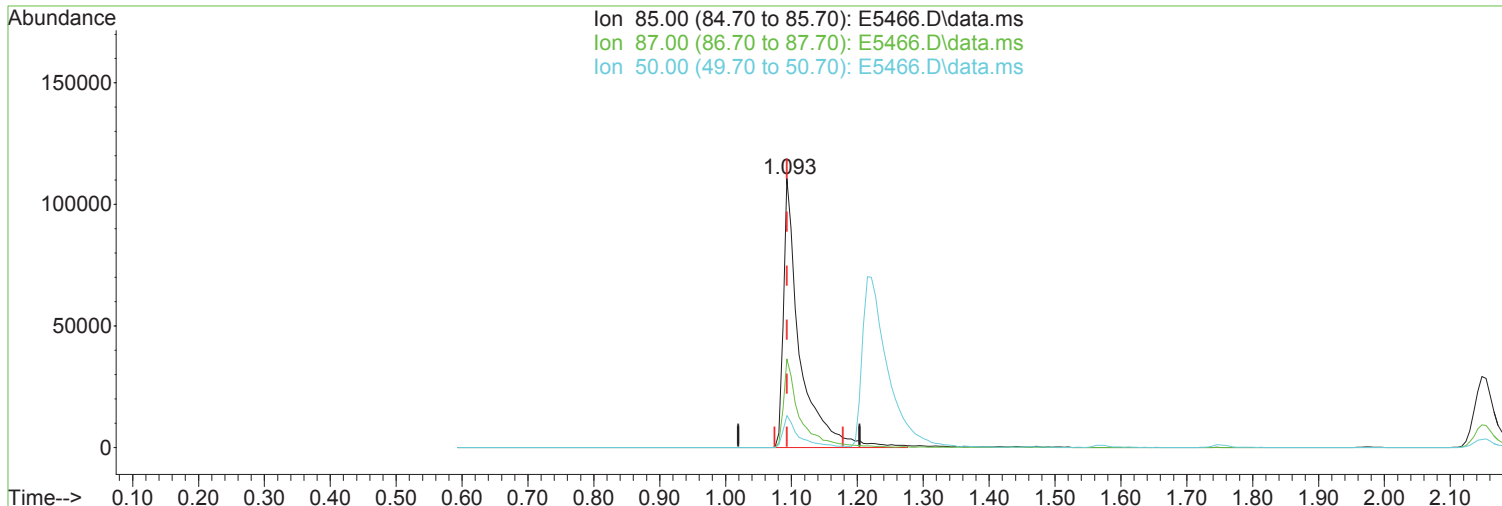
126.90 43.80 42.42

0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5466.D
Acq On : 14 Sep 2023 09:31 am
Operator : K.Ruest
Sample : R2308315-006MS|10
Misc : VERINA 8260 T4
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 14 09:54:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (0.000) 41.06 ug/L m

response 190587

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.93 |
| 50.00 | 12.60 | 11.84 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

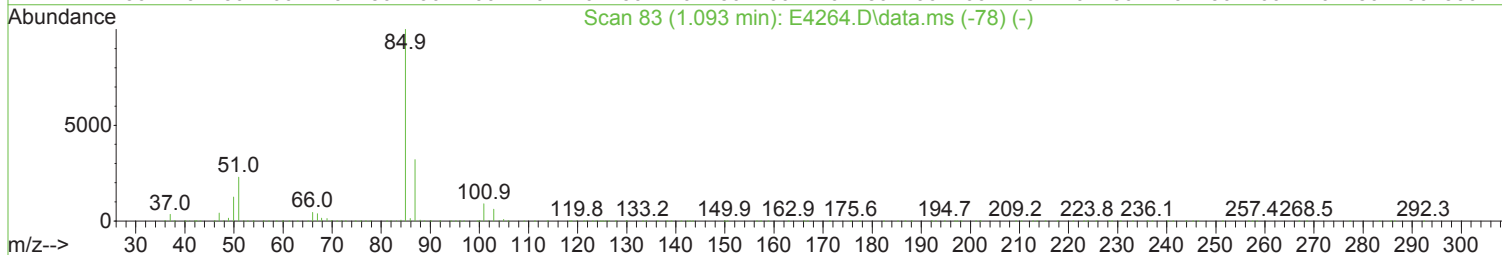
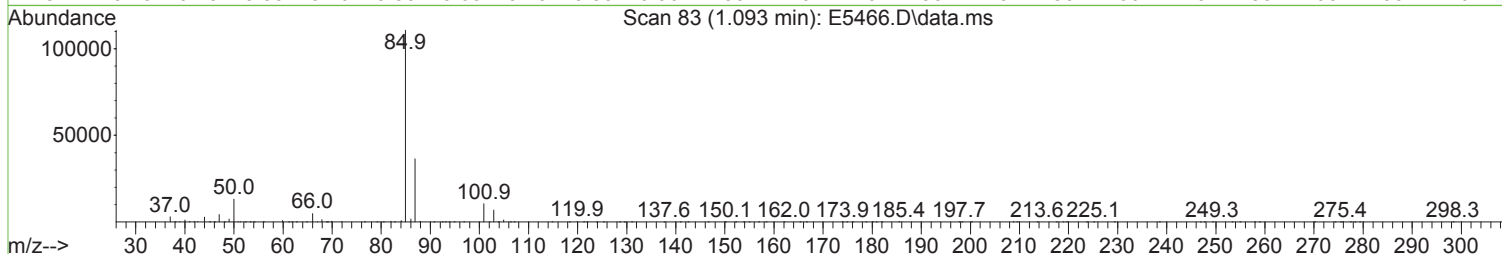
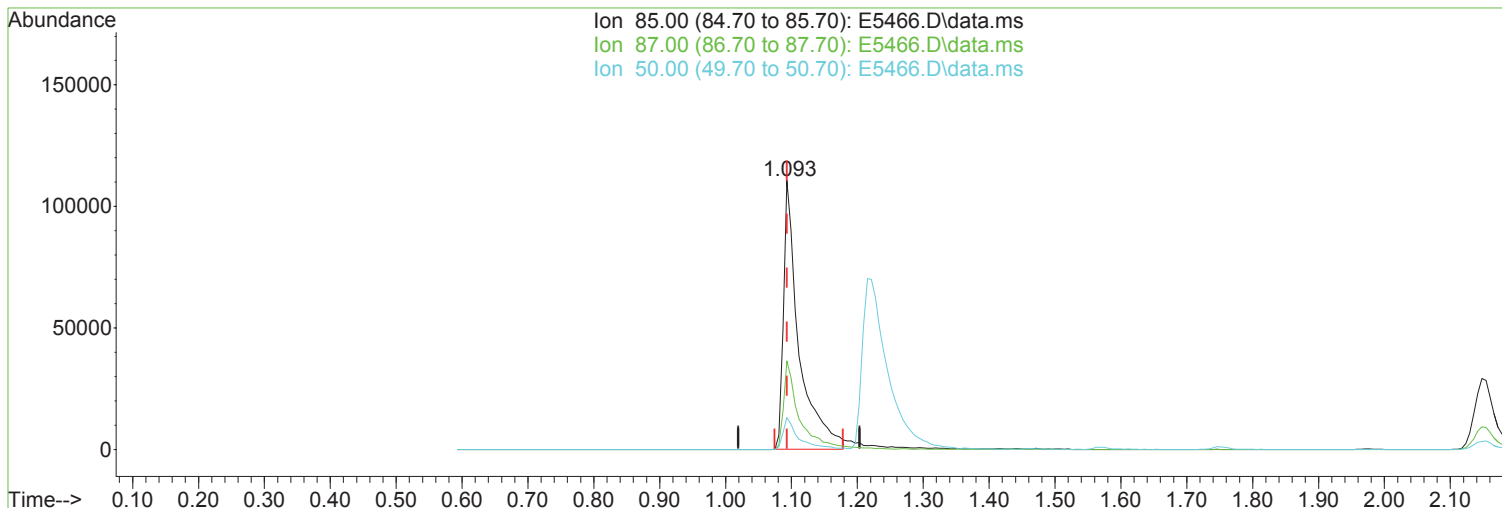
After

Poor integration.

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5466.D
Acq On : 14 Sep 2023 09:31 am
Operator : K.Ruest
Sample : R2308315-006MS|10
Misc : VERINA 8260 T4
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 14 09:54:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (0.000) 38.72 ug/L

Before

response 179717

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.93 |
| 50.00 | 12.60 | 11.84 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5466.D
 Acq On : 14 Sep 2023 09:31 am
 Operator : K.Ruest
 Sample : R2308315-006MS|10
 Misc : VERINA 8260 T4
 ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 14 09:54:47 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|----------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 404319 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 582039 | 50.00 | ug/L | 0.00 | |
| 71) d5-Chlorobenzene | 9.622 | 117 | 536086 | 50.00 | ug/L | 0.00 | |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 290968 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 187348 | 48.67 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 97.34% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 216315 | 49.05 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 98.10% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 724254 | 51.73 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 103.46% | |
| 70) SURR2,BFB | 10.707 | 95 | 258887 | 48.53 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 97.06% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 190587m | 41.058 | ug/L | | |
| 4) Chloromethane | 1.215 | 50 | 184867 | 51.983 | ug/L | | 95 |
| 6) Bromomethane | 1.496 | 94 | 140780 | 45.854 | ug/L | | 100 |
| 7) Chloroethane | 1.569 | 64 | 117415 | 39.813 | ug/L | | 98 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 264780 | 47.155 | ug/L | | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 35484 | 12.839 | ug/L | | 99 |
| 15) Freon 113 | 2.154 | 101 | 151496 | 45.073 | ug/L | | 98 |
| 16) Acetone | 2.197 | 43 | 39719 | 21.174 | ug/L | | 95 |
| 18) Iodomethane | 2.270 | 142 | 3502m | 0.741 | ug/L | | |
| 20) Acetonitrile | 2.428 | 41 | 130214 | 202.961 | ug/L | # | 41 |
| 22) Methyl Acetate | 2.489 | 43 | 3484 | 0.821 | ug/L | | 97 |
| 23) Methylene Chloride | 2.569 | 84 | 161686 | 47.279 | ug/L | | 98 |
| 24) TBA | 2.697 | 59 | 426990 | 790.837 | ug/L | | 90 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 459766 | 42.220 | ug/L | | 99 |
| 28) 1,1-Dicethane | 3.306 | 63 | 281563 | 50.993 | ug/L | | 97 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 159647 | 29.489 | ug/L | | 96 |
| 34) cis-1,2-Dichloroethene | 4.087 | 96 | 1908 | 0.501 | ug/L | # | 1 |
| 36) Propionitrile | 4.239 | 54 | 153213 | 231.492 | ug/L | | 97 |
| 37) Bromochloromethane | 4.465 | 130 | 119722 | 47.928 | ug/L | | 99 |
| 40) Chloroform | 4.635 | 83 | 287609 | 45.957 | ug/L | | 99 |
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 252221 | 44.332 | ug/L | | 98 |
| 46) Carbontetrachloride | 5.221 | 117 | 217645 | 45.021 | ug/L | | 95 |
| 49) Benzene | 5.580 | 78 | 637509 | 50.436 | ug/L | | 99 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 226670 | 45.845 | ug/L | | 97 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 118418 | 566.009 | ug/L | | 99 |
| 52) n-Heptane | 6.098 | 43 | 137073 | 30.212 | ug/L | | 97 |
| 54) Trichloroethene | 6.574 | 130 | 871 | 0.222 | ug/L | # | 77 |
| 56) 1,2-Dicloropropane | 6.873 | 63 | 159309 | 48.578 | ug/L | | 99 |
| 57) Dibromomethane | 7.013 | 93 | 109622 | 45.517 | ug/L | | 95 |
| 58) 1,4-Dioxane | 7.092 | 88 | 52333 | 859.003 | ug/L | | 97 |
| 60) Bromodichloromethane | 7.257 | 83 | 202587 | 40.051 | ug/L | | 100 |
| 61) 2-Nitropropane | 7.555 | 41 | 82553 | 64.241 | ug/L | | 94 |
| 66) Toluene | 8.177 | 91 | 473927 | 32.928 | ug/L | | 100 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 156340 | 45.387 | ug/L | | 99 |
| 74) 1,3-Dichloropropane | 8.824 | 76 | 272163 | 47.271 | ug/L | | 98 |
| 75) Dibromochloromethane | 9.049 | 129 | 165251 | 38.766 | ug/L | | 97 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 167933 | 43.966 | ug/L | | 98 |
| 79) Chlorobenzene | 9.647 | 112 | 466514 | 46.642 | ug/L | | 99 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 164323 | 41.172 | ug/L | | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5466.D
 Acq On : 14 Sep 2023 09:31 am
 Operator : K.Ruest
 Sample : R2308315-006MS|10
 Misc : VERINA 8260 T4
 ALS Vial : 57 Sample Multiplier: 1

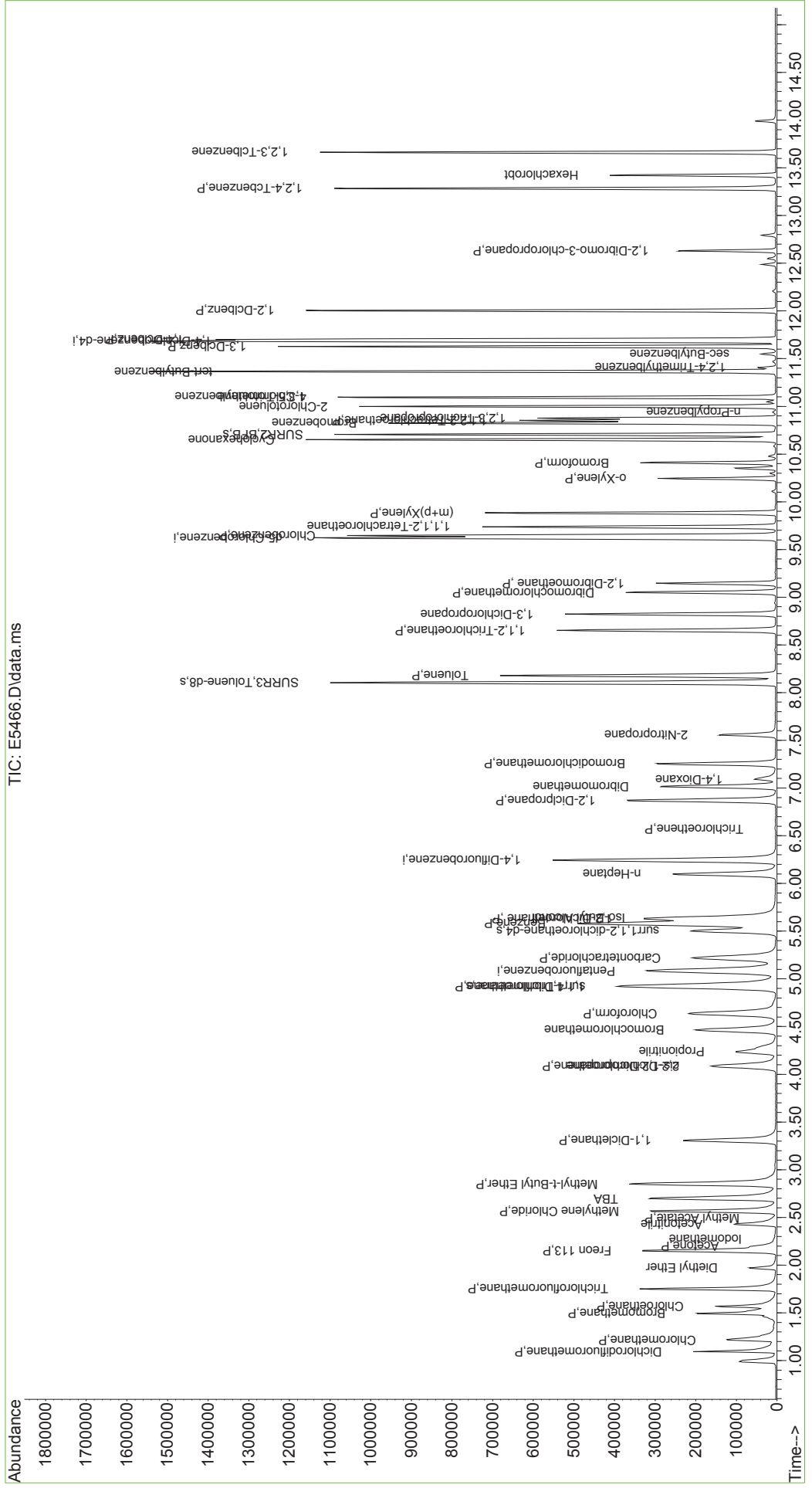
Quant Time: Sep 14 09:54:47 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 83) (m+p)Xylene | 9.884 | 106 | 171221 | 26.316 | ug/L | 98 |
| 84) o-Xylene | 10.244 | 106 | 64807 | 10.141 | ug/L | 92 |
| 86) Bromoform | 10.409 | 173 | 121206 | 37.412 | ug/L | 100 |
| 89) Cyclohexanone | 10.652 | 55 | 366050 | 460.374 | ug/L | 97 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 229320 | 44.407 | ug/L | 99 |
| 93) Bromobenzene | 10.823 | 156 | 211952 | 43.314 | ug/L | 98 |
| 94) 1,2,3-Trichloropropane | 10.878 | 110 | 75447 | 42.226 | ug/L | 93 |
| 95) n-Propylbenzene | 10.939 | 91 | 4415 | 0.229 | ug/L | 95 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 423826 | 36.244 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.098 | 91 | 384264 | 26.969 | ug/L | 96 |
| 99) 1,3,5-Trimethylbenzene | 11.098 | 105 | 112814 | 7.577 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.366 | 119 | 576920 | 45.575 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 18156 | 1.266 | ug/L | 97 |
| 103) sec-Butylbenzene | 11.549 | 105 | 18309 | 1.011 | ug/L | 98 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 388250 | 43.759 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 391376 | 43.100 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 382148 | 43.977 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 51253 | 35.943 | ug/L | 97 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 273477 | 41.588 | ug/L | 99 |
| 116) Hexachlorobt | 13.420 | 225 | 59767 | 20.179 | ug/L | 98 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 270966 | 42.528 | ug/L | 99 |

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

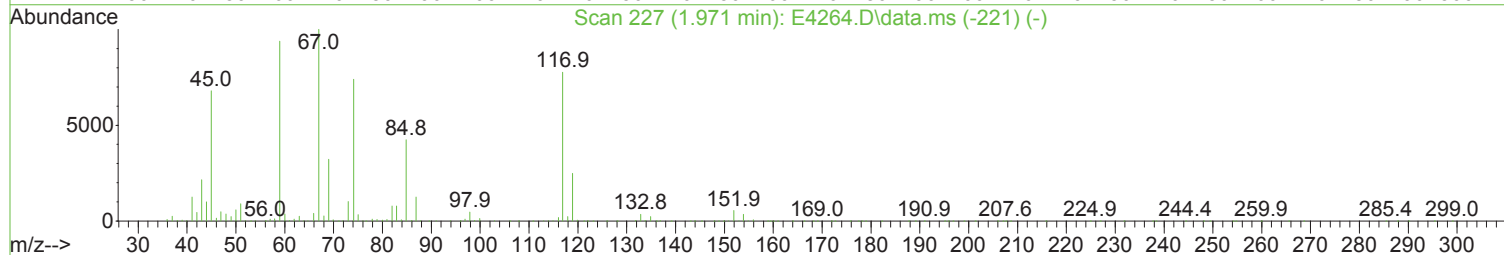
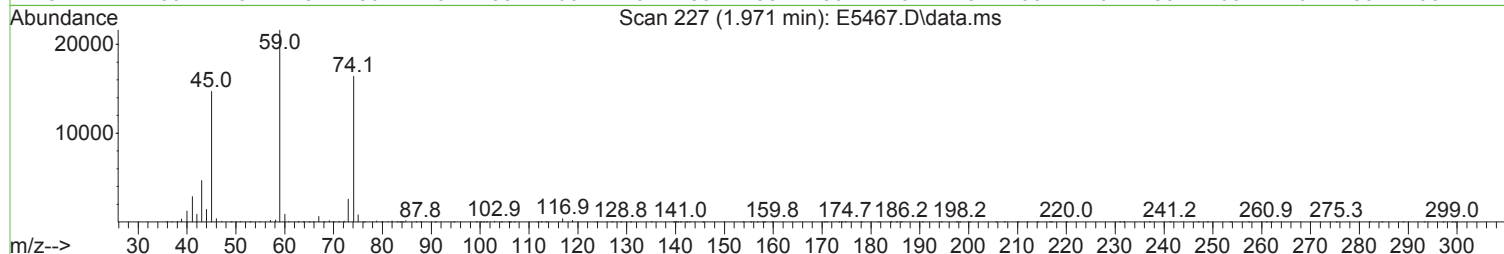
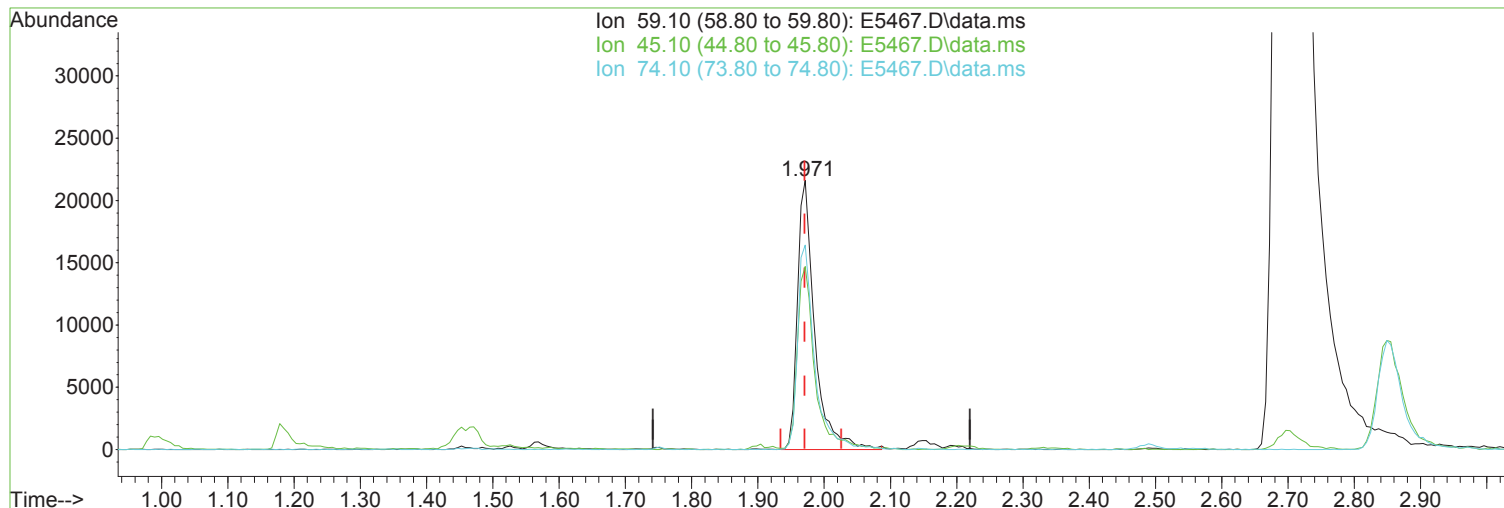
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 Data File : E5466.D
 Acq On : 14 Sep 2023 09:31 am
 Operator : K.Ruest
 Sample : R2308315-006MS|10
 Misc : VERINA 8260 T4
 ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 14 09:54:47 2023
 Quant Method : I:\ACQDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5467.D
 Acq On : 14 Sep 2023 09:54 am
 Operator : K.Ruest
 Sample : R2308315-006DMS|10
 Misc : VERINA 8260 T4
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



TIC: E5467.D\data.ms

(10) Diethyl Ether

Manual Integration:

1.971min (-0.000) 13.96 ug/L m

After

response 39068

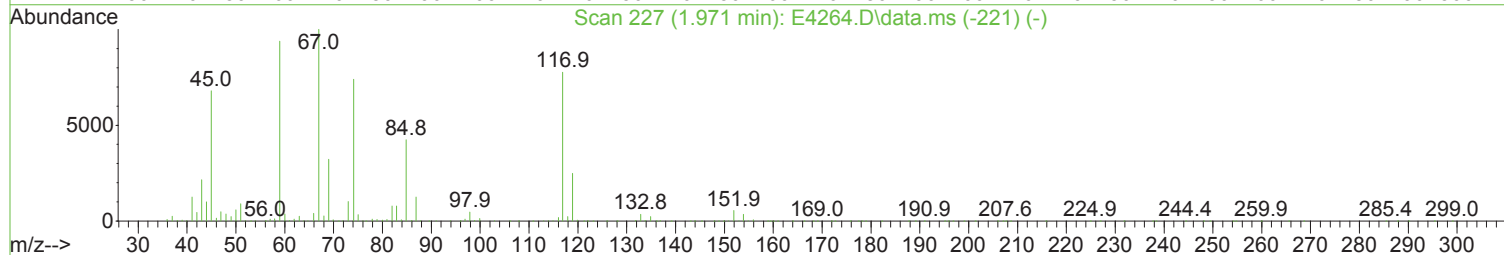
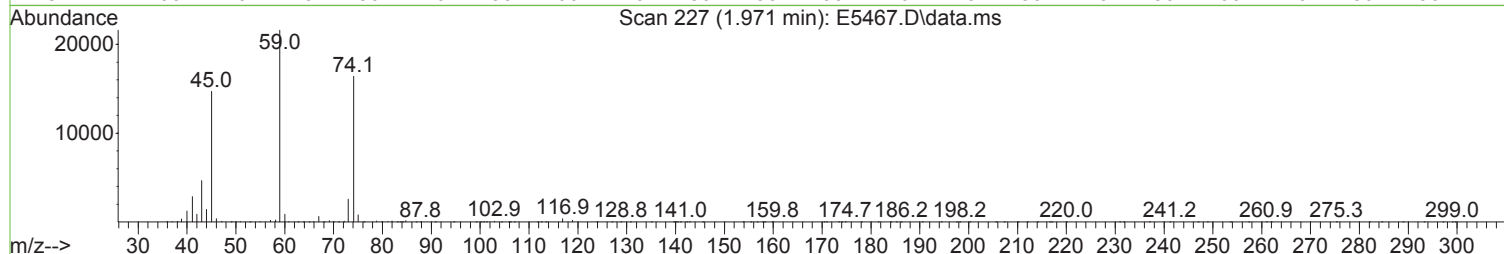
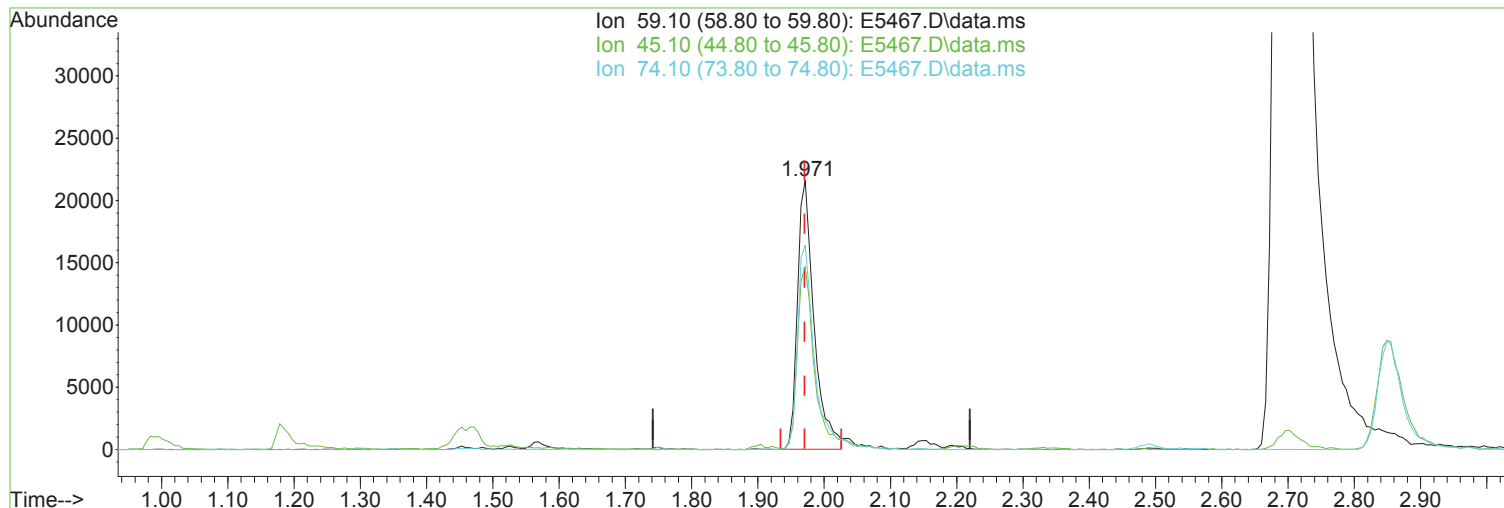
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 59.10 | 100.00 | 100.00 |
| 45.10 | 72.50 | 68.09 |
| 74.10 | 78.70 | 75.96 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5467.D
 Acq On : 14 Sep 2023 09:54 am
 Operator : K.Ruest
 Sample : R2308315-006DMS|10
 Misc : VERINA 8260 T4
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



TIC: E5467.D\data.ms

(10) Diethyl Ether

Manual Integration:

1.971min (-0.000) 13.39 ug/L

Before

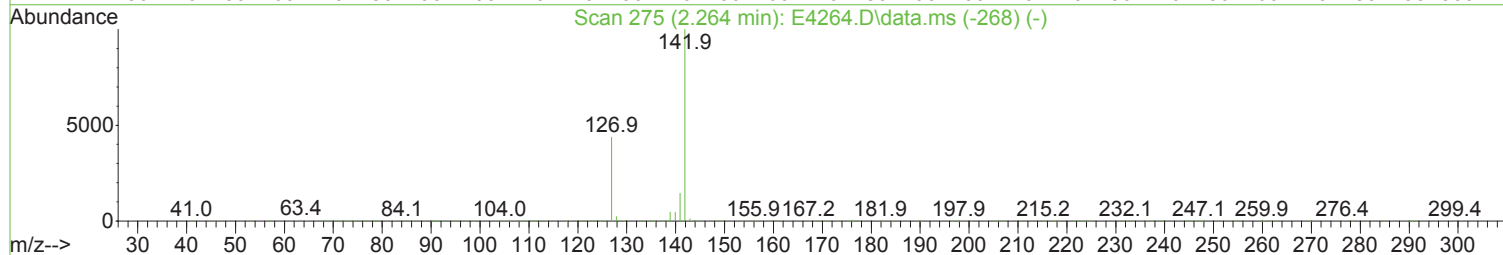
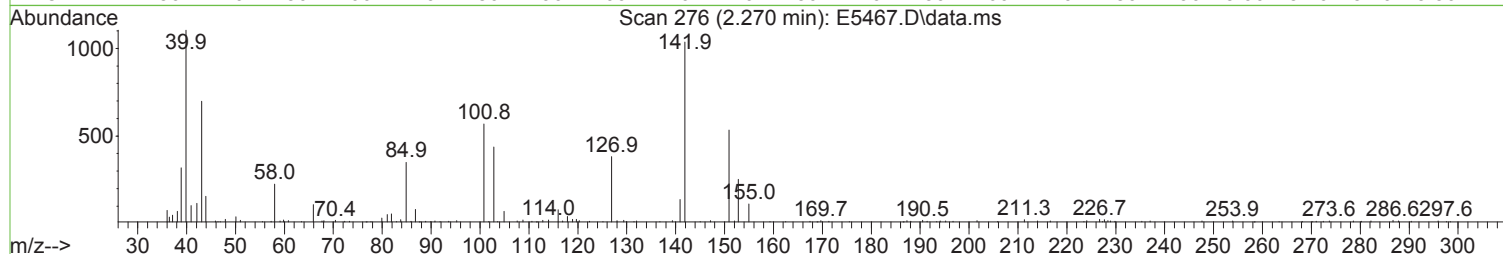
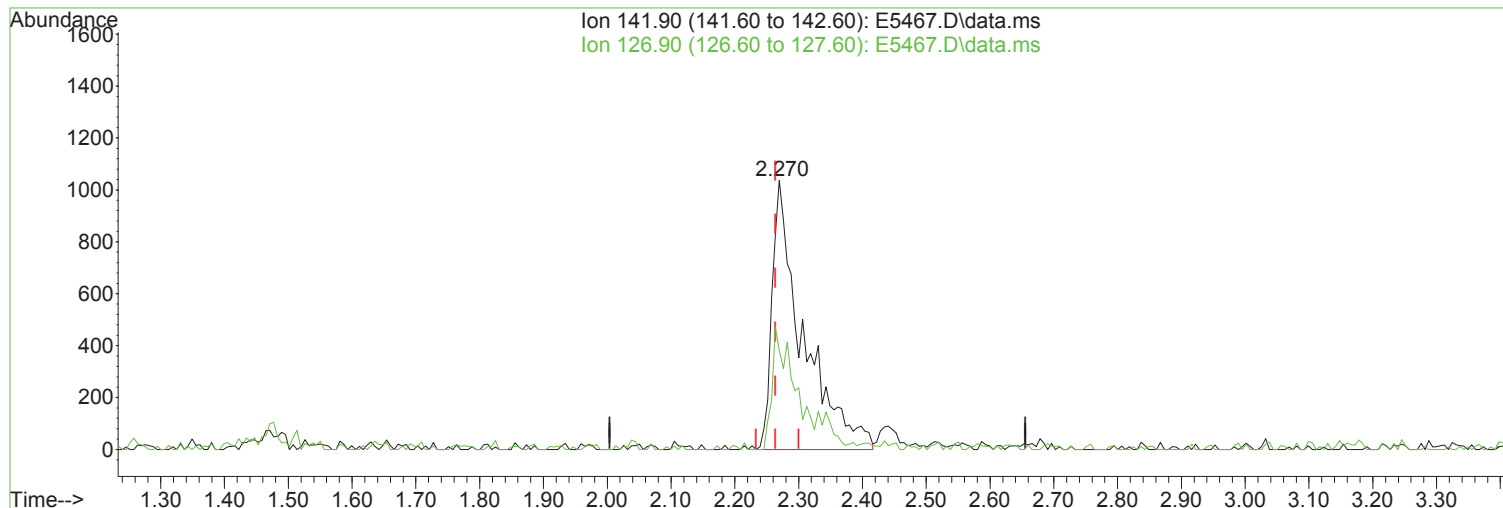
response 37463

| Ion | Exp% | Act% |
|-------|--------|--------|
| 59.10 | 100.00 | 100.00 |
| 45.10 | 72.50 | 68.09 |
| 74.10 | 78.70 | 75.96 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5467.D
Acq On : 14 Sep 2023 09:54 am
Operator : K.Ruest
Sample : R2308315-006DMS|10
Misc : VERINA 8260 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5467.D\data.ms

(18) Iodomethane

Manual Integration:

2.270min (+ 0.006) 0.72 ug/L m

After

response 3445

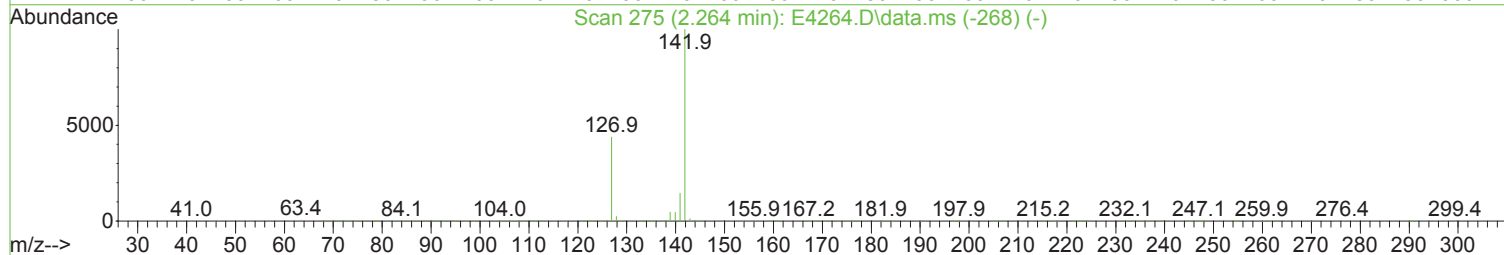
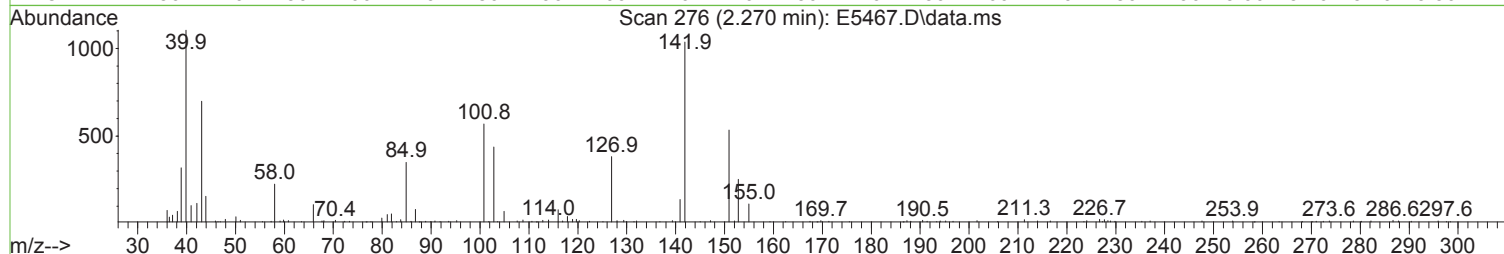
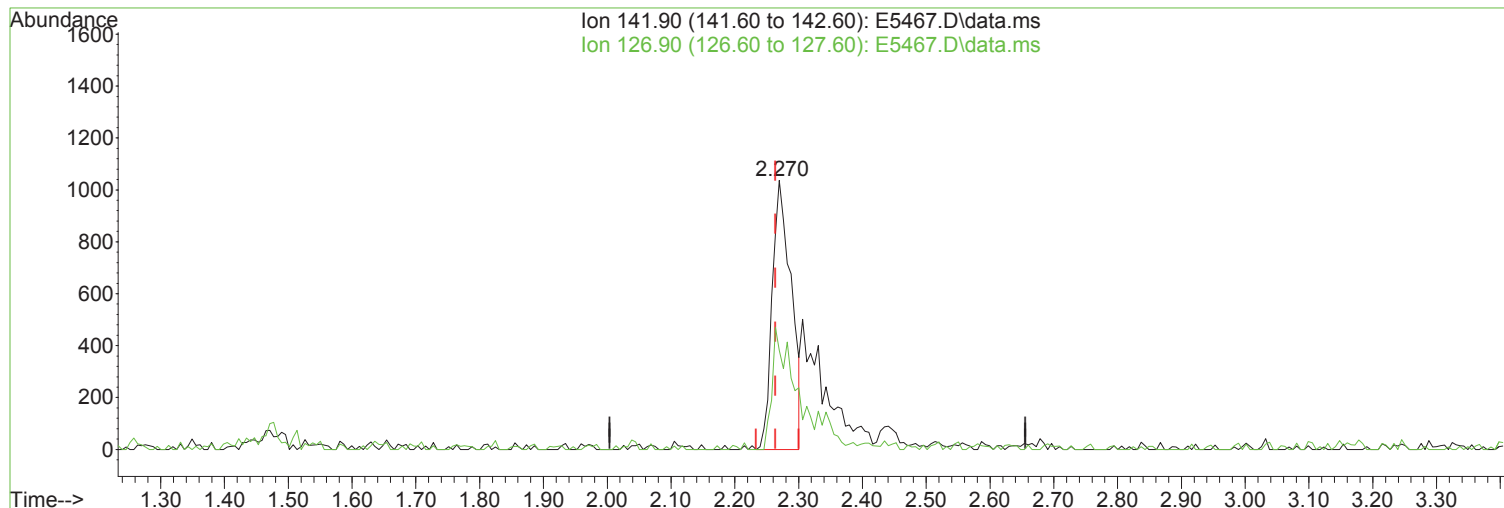
Split Peak.

| Ion | Exp% | Act% |
|--------|--------|--------|
| 141.90 | 100.00 | 100.00 |
| 126.90 | 43.80 | 36.87 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5467.D
Acq On : 14 Sep 2023 09:54 am
Operator : K.Ruest
Sample : R2308315-006DMS|10
Misc : VERINA 8260 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5467.D\data.ms

(18) Iodomethane

Manual Integration:

2.270min (+ 0.006) 0.45 ug/L

Before

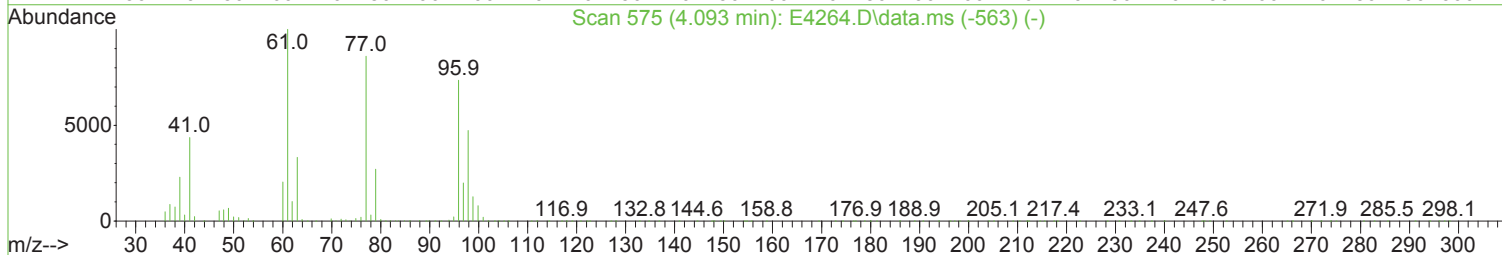
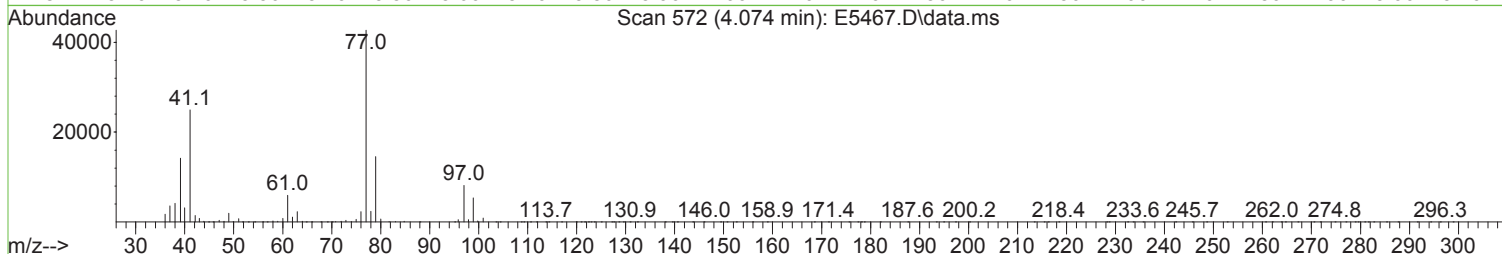
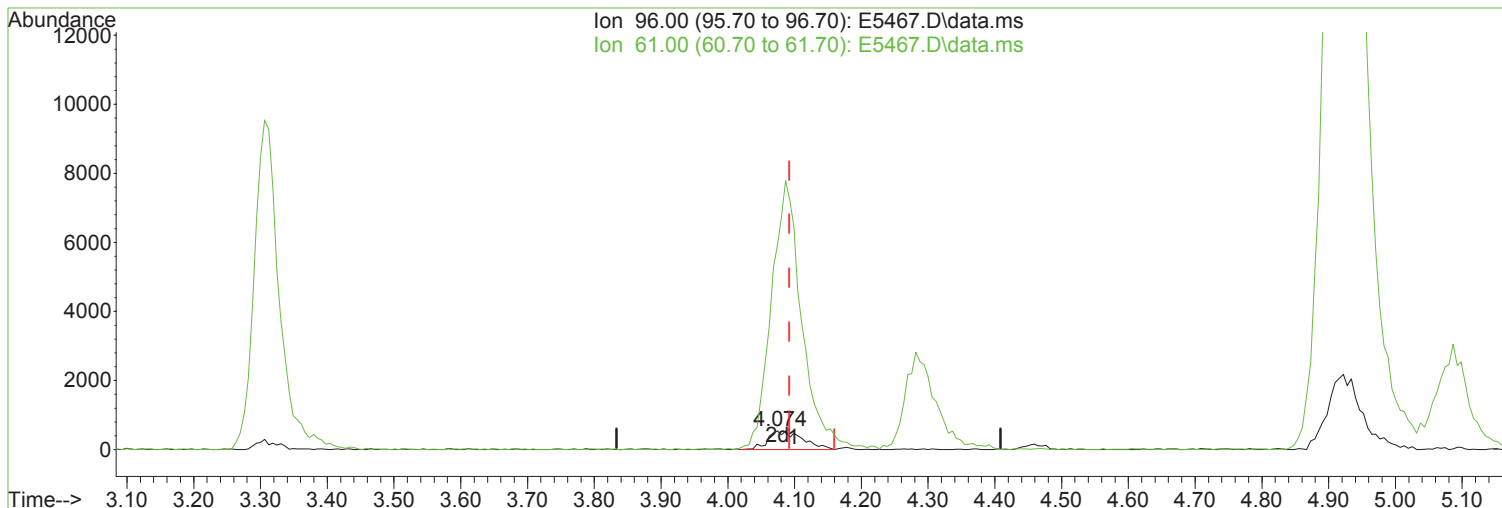
response 2139

| Ion | Exp% | Act% |
|--------|--------|--------|
| 141.90 | 100.00 | 100.00 |
| 126.90 | 43.80 | 36.87 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5467.D
Acq On : 14 Sep 2023 09:54 am
Operator : K.Ruest
Sample : R2308315-006DMS|10
Misc : VERINA 8260 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



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

4.074min (-0.018) 0.50 ug/L m

response 1939

| Ion | Exp% | Act% |
|-------|--------|----------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 136.10 | 1097.05# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

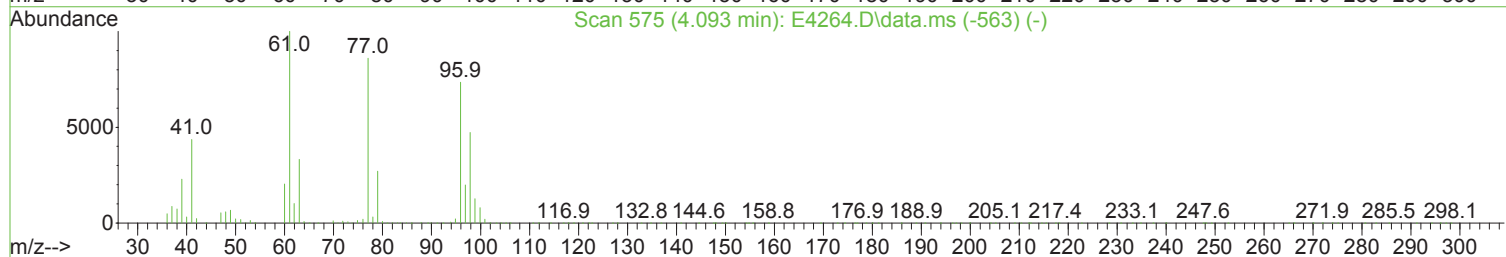
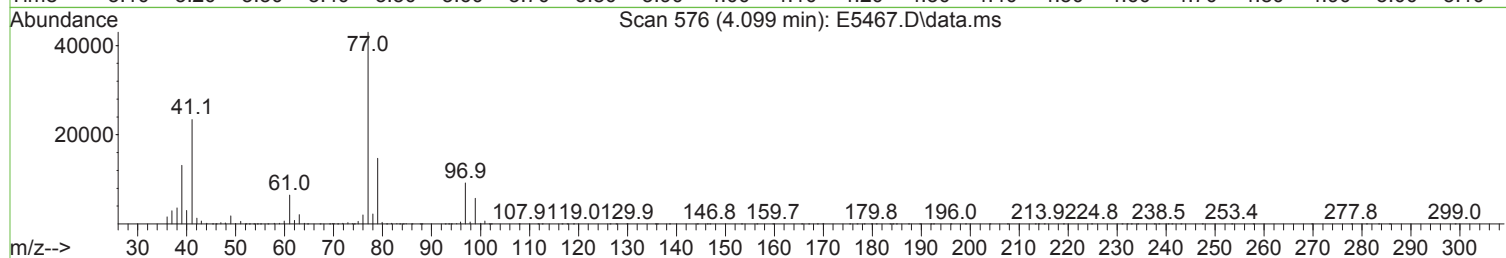
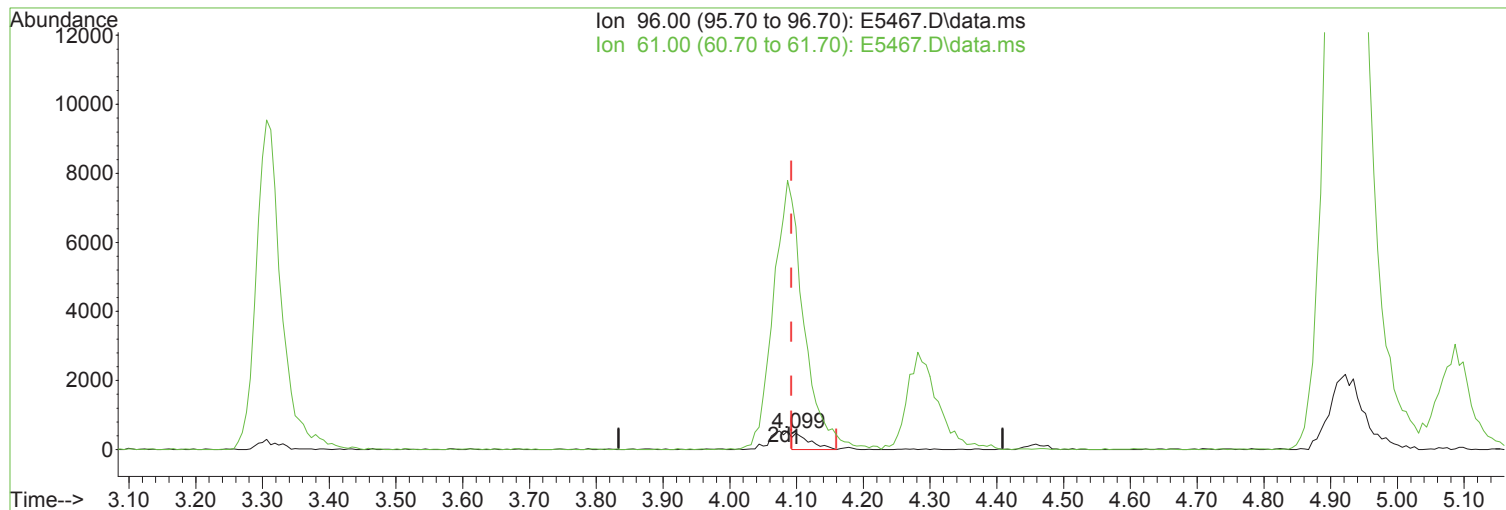
After

Split Peak.

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5467.D
Acq On : 14 Sep 2023 09:54 am
Operator : K.Ruest
Sample : R2308315-006DMS|10
Misc : VERINA 8260 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



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

Manual Integration:

4.099min (+ 0.006) 0.20 ug/L

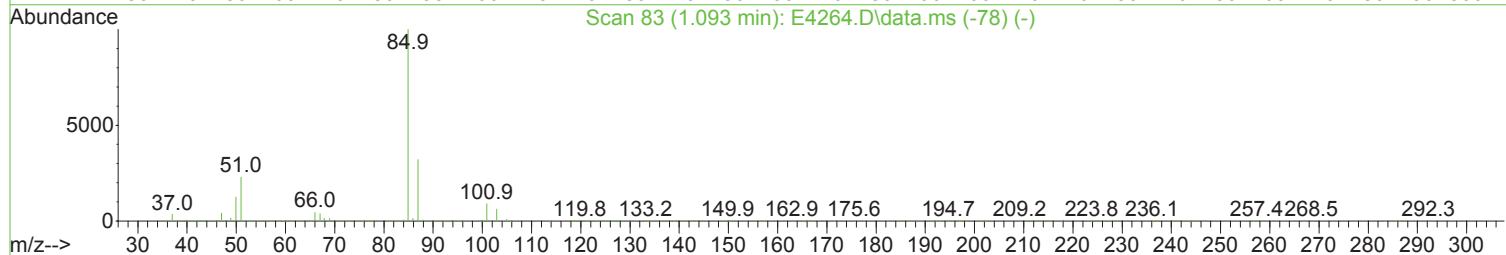
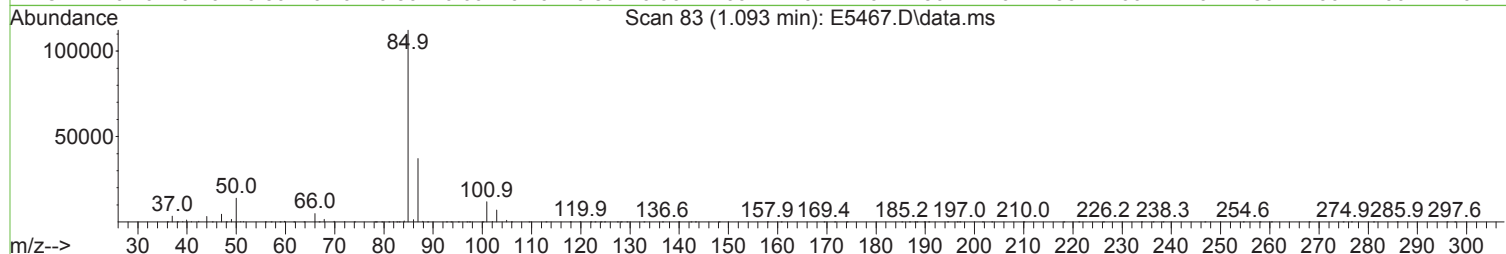
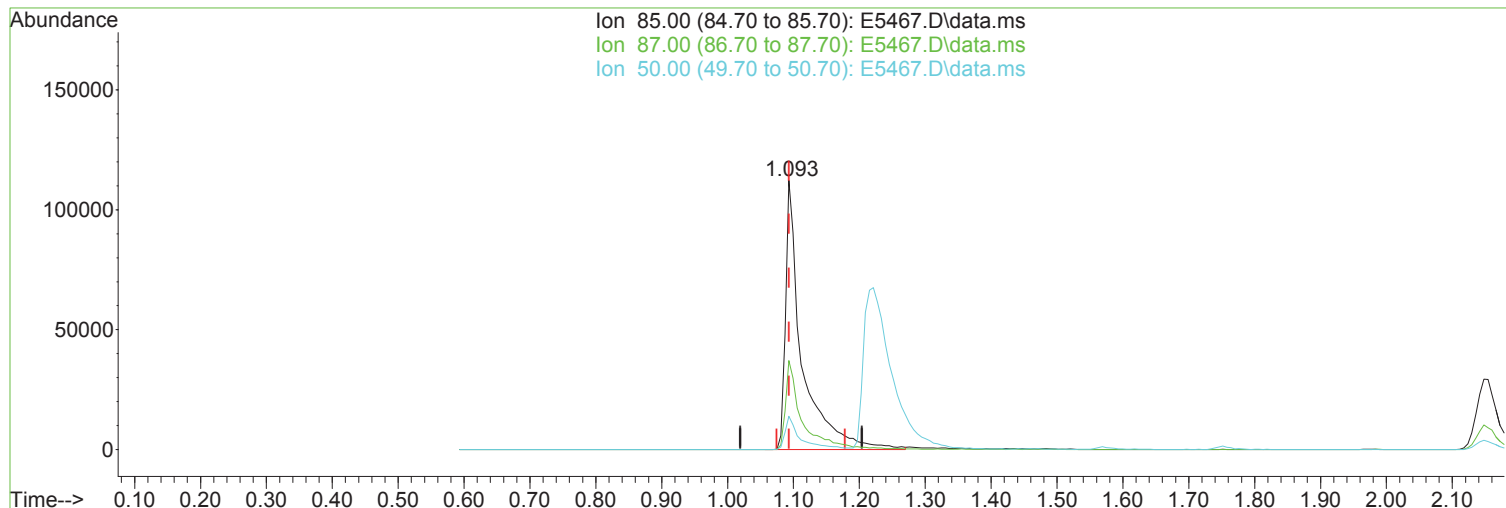
Before

response 787

| Ion | Exp% | Act% | |
|-------|--------|----------|----------|
| 96.00 | 100.00 | 100.00 | 09/15/23 |
| 61.00 | 136.10 | 1360.55# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5467.D
Acq On : 14 Sep 2023 09:54 am
Operator : K.Ruest
Sample : R2308315-006DMS|10
Misc : VERINA 8260 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 41.61 ug/L m

response 195553

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 33.08 |
| 50.00 | 12.60 | 12.33 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

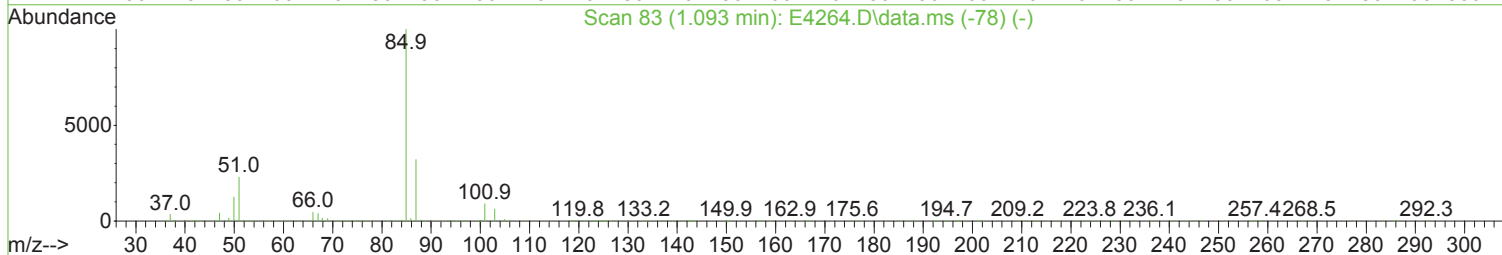
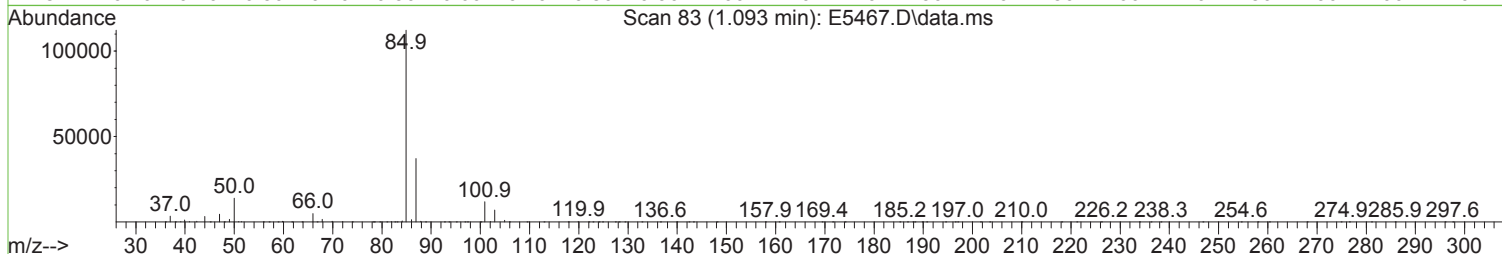
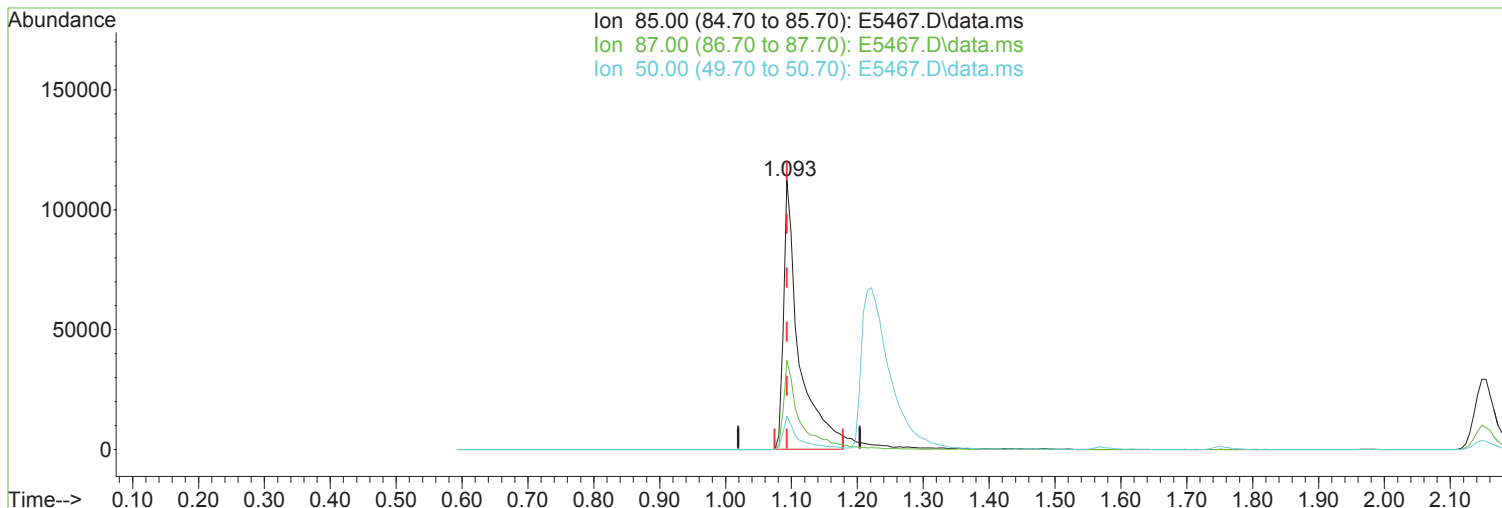
After

Poor integration.

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5467.D
Acq On : 14 Sep 2023 09:54 am
Operator : K.Ruest
Sample : R2308315-006DMS|10
Misc : VERINA 8260 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 38.75 ug/L

Before

response 182097

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 33.08 |
| 50.00 | 12.60 | 12.33 |
| 0.00 | 0.00 | 0.00 |

09/15/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5467.D
 Acq On : 14 Sep 2023 09:54 am
 Operator : K.Ruest
 Sample : R2308315-006DMS|10
 Misc : VERINA 8260 T4
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|---------|---------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 409322 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 582612 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 532946 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 287380 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 191767 | 49.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 - 116 | Recovery | = | 99.54% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 221545 | 50.18 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 - 125 | Recovery | = | 100.36% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 735500 | 52.48 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 - 121 | Recovery | = | 104.96% | |
| 70) SURR2,BFB | 10.707 | 95 | 268178 | 50.22 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 - 122 | Recovery | = | 100.44% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 195553m | 41.612 | ug/L | |
| 4) Chloromethane | 1.221 | 50 | 195162 | 54.207 | ug/L | 96 |
| 6) Bromomethane | 1.496 | 94 | 150612 | 48.457 | ug/L | 99 |
| 7) Chloroethane | 1.569 | 64 | 126250 | 42.285 | ug/L | 95 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 284320 | 50.016 | ug/L | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 39068m | 13.963 | ug/L | |
| 15) Freon 113 | 2.148 | 101 | 159453 | 46.861 | ug/L | 99 |
| 16) Acetone | 2.197 | 43 | 38590 | 20.321 | ug/L | 92 |
| 18) Iodomethane | 2.270 | 142 | 3445m | 0.720 | ug/L | |
| 20) Acetonitrile | 2.428 | 41 | 138182 | 212.747 | ug/L | # 41 |
| 22) Methyl Acetate | 2.489 | 43 | 3515 | 0.818 | ug/L | 98 |
| 23) Methylene Chloride | 2.569 | 84 | 173592 | 50.140 | ug/L | 99 |
| 24) TBA | 2.697 | 59 | 472524 | 864.474 | ug/L | 90 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 503688 | 45.688 | ug/L | 98 |
| 28) 1,1-Dicethane | 3.306 | 63 | 304024 | 54.388 | ug/L | 99 |
| 33) 2,2-Dichloropropane | 4.087 | 77 | 169541 | 30.934 | ug/L | 95 |
| 34) cis-1,2-Dichloroethene | 4.074 | 96 | 1939m | 0.502 | ug/L | |
| 36) Propionitrile | 4.239 | 54 | 165899 | 247.595 | ug/L | 96 |
| 37) Bromochloromethane | 4.465 | 130 | 127970 | 50.603 | ug/L | 98 |
| 40) Chloroform | 4.641 | 83 | 309517 | 48.854 | ug/L | 96 |
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 271664 | 47.166 | ug/L | 98 |
| 46) Carbontetrachloride | 5.221 | 117 | 237752 | 49.131 | ug/L | 99 |
| 49) Benzene | 5.580 | 78 | 680413 | 53.777 | ug/L | 99 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 244218 | 49.346 | ug/L | 99 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 132744 | 633.860 | ug/L | 100 |
| 52) n-Heptane | 6.098 | 43 | 134089 | 29.525 | ug/L | 98 |
| 54) Trichloroethene | 6.568 | 130 | 865 | 0.221 | ug/L | # 69 |
| 56) 1,2-Diclpropane | 6.873 | 63 | 170161 | 51.836 | ug/L | 95 |
| 57) Dibromomethane | 7.013 | 93 | 121009 | 50.195 | ug/L | 95 |
| 58) 1,4-Dioxane | 7.098 | 88 | 56225 | 921.979 | ug/L | 93 |
| 60) Bromodichloromethane | 7.257 | 83 | 224734 | 44.386 | ug/L | 99 |
| 61) 2-Nitropropane | 7.555 | 41 | 94081 | 73.140 | ug/L | 93 |
| 66) Toluene | 8.177 | 91 | 511322 | 35.492 | ug/L | 98 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 171052 | 49.609 | ug/L | 97 |
| 74) 1,3-Dichloropropane | 8.823 | 76 | 291401 | 50.910 | ug/L | 99 |
| 75) Dibromochloromethane | 9.049 | 129 | 181197 | 42.757 | ug/L | 99 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 182180 | 47.978 | ug/L | 99 |
| 79) Chlorobenzene | 9.647 | 112 | 503604 | 50.647 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 181244 | 45.679 | ug/L | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5467.D
 Acq On : 14 Sep 2023 09:54 am
 Operator : K.Ruest
 Sample : R2308315-006DMS|10
 Misc : VERINA 8260 T4
 ALS Vial : 58 Sample Multiplier: 1

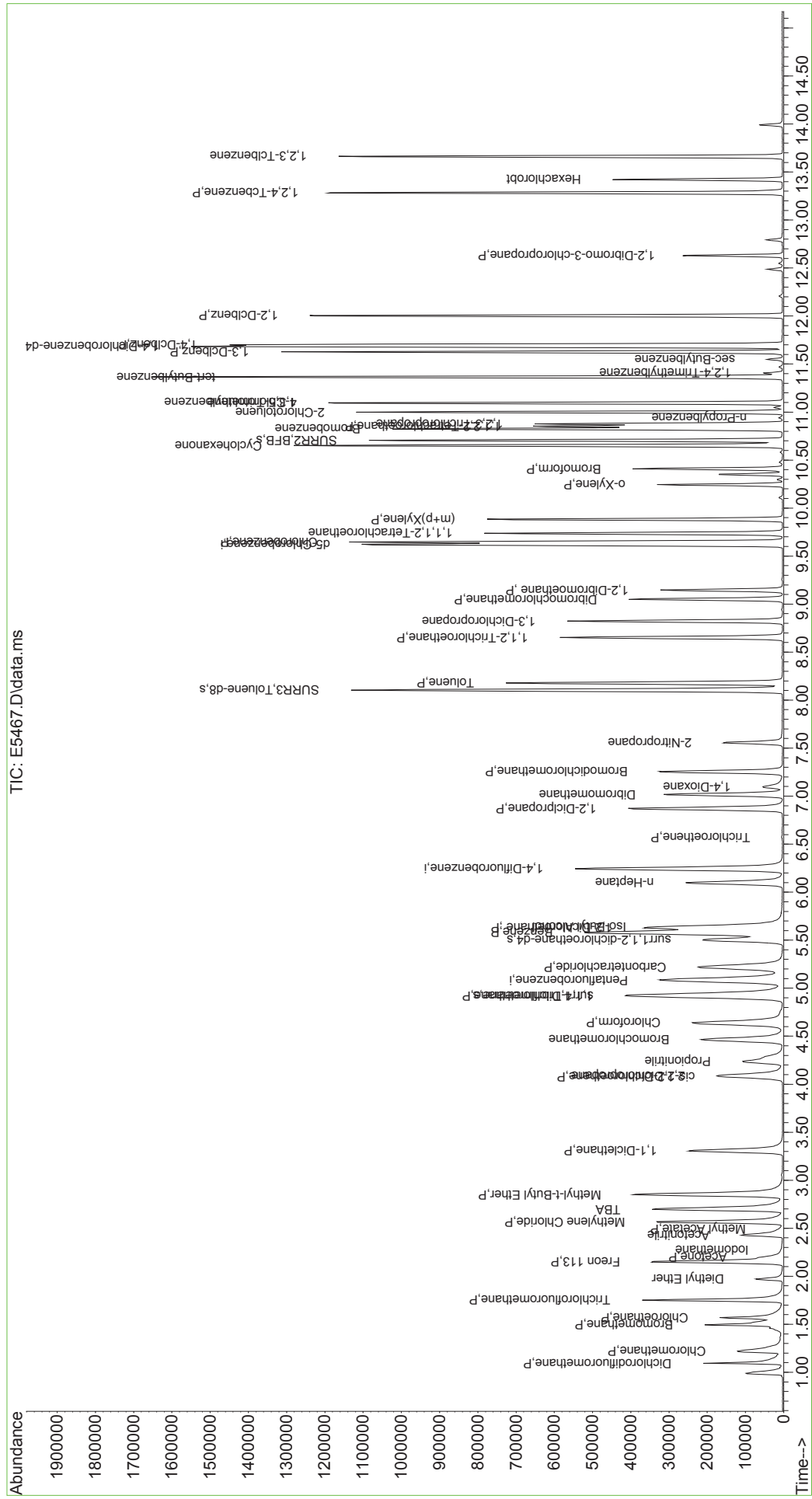
Quant Time: Sep 14 10:11:24 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 83) (m+p)Xylene | 9.884 | 106 | 186884 | 28.892 | ug/L | 98 |
| 84) o-Xylene | 10.244 | 106 | 70525 | 11.101 | ug/L | 93 |
| 86) Bromoform | 10.409 | 173 | 135324 | 42.016 | ug/L | 97 |
| 89) Cyclohexanone | 10.652 | 55 | 410956 | 519.897 | ug/L | 98 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 243691 | 47.779 | ug/L | 99 |
| 93) Bromobenzene | 10.823 | 156 | 229517 | 47.489 | ug/L | 96 |
| 94) 1,2,3-Trichloropropane | 10.878 | 110 | 80085 | 45.381 | ug/L | 91 |
| 95) n-Propylbenzene | 10.939 | 91 | 5074 | 0.266 | ug/L | 95 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 462627 | 40.056 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 418855 | 29.764 | ug/L | 95 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 125409 | 8.528 | ug/L | 99 |
| 100) tert-Butylbenzene | 11.366 | 119 | 623207 | 49.847 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 21395 | 1.511 | ug/L | 96 |
| 103) sec-Butylbenzene | 11.549 | 105 | 20020 | 1.120 | ug/L | 97 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 420454 | 47.981 | ug/L | 99 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 426569 | 47.562 | ug/L | 100 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 416851 | 48.570 | ug/L | 100 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 56980 | 40.458 | ug/L | 98 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 299080 | 46.049 | ug/L | 98 |
| 116) Hexachlorobt | 13.420 | 225 | 66150 | 22.612 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 296343 | 47.092 | ug/L | 99 |

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

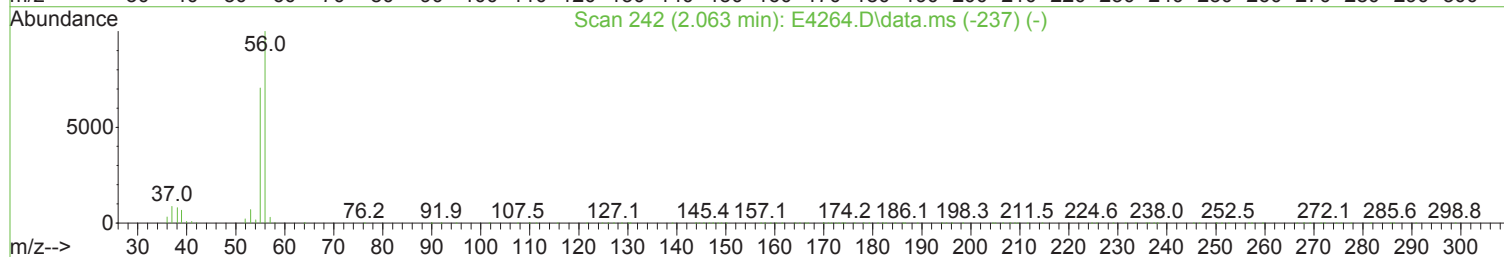
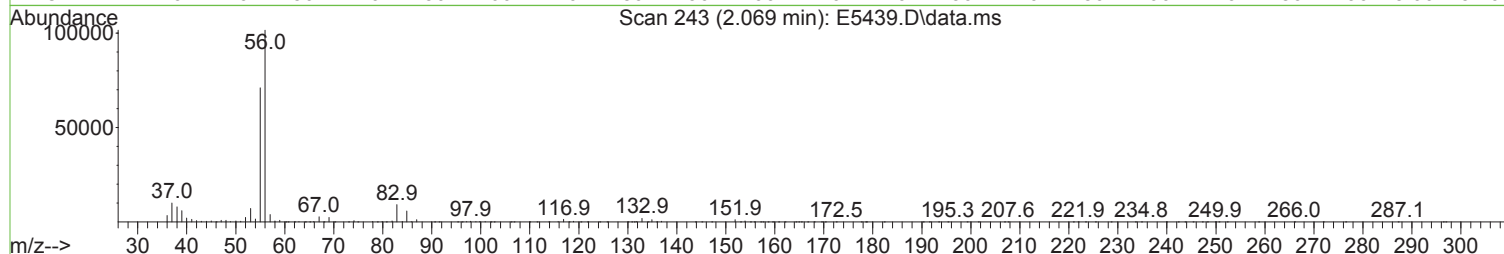
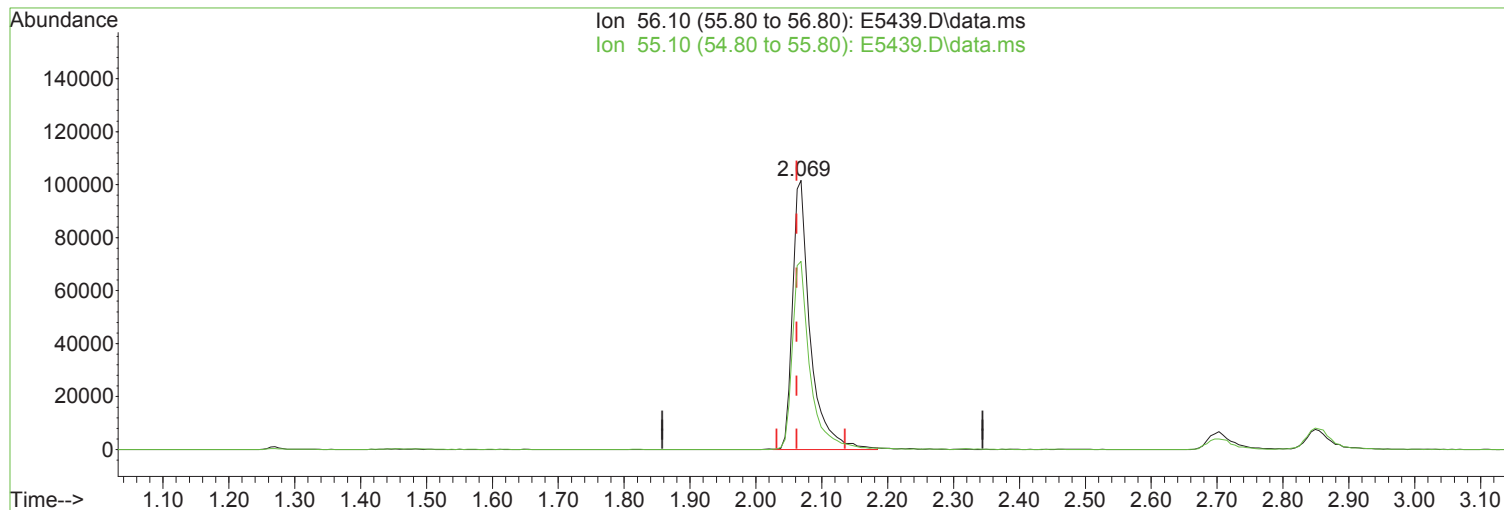
Data Path : I:\ACQDATA\MSVOA17\Data\091323\
 Data File : E5467.D
 Acq On : 14 Sep 2023 09:54 am
 Operator : K.Ruest
 Sample : R2308315-006DMS|10
 Misc : VERINA 8260 T4
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 14 10:11:24 2023
 Quant Method : I:\ACQDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5439.D\data.ms

(13) Acrolein

Manual Integration:

2.069min (+ 0.006) 305.95 ug/L m

After

response 189093

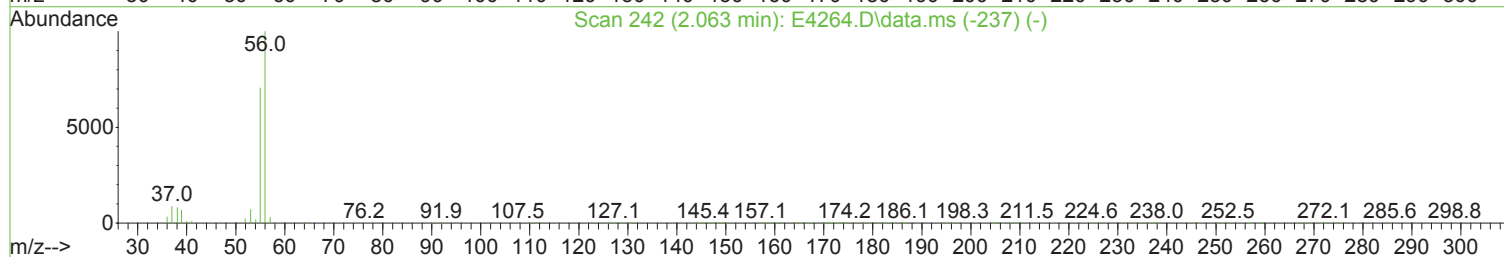
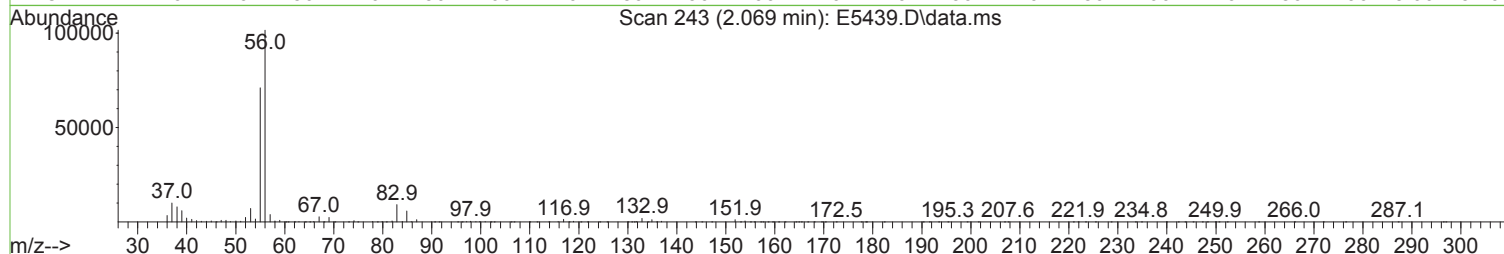
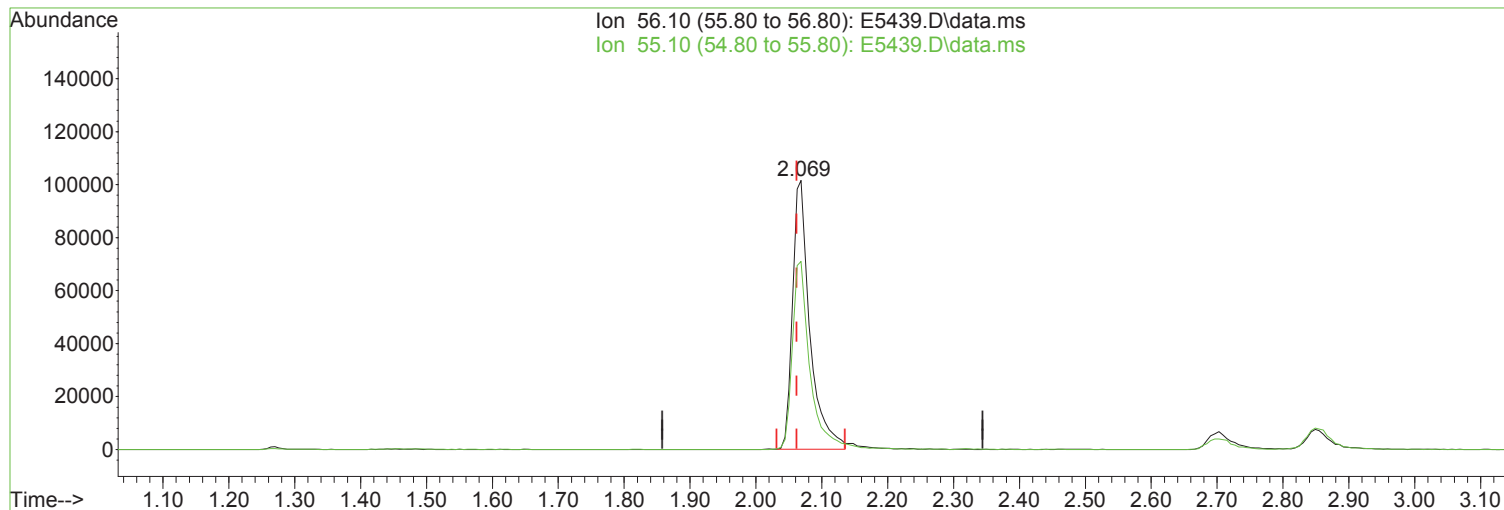
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.10 | 100.00 | 100.00 |
| 55.10 | 70.90 | 69.96 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(13) Acrolein

Manual Integration:

2.069min (+ 0.006) 298.67 ug/L

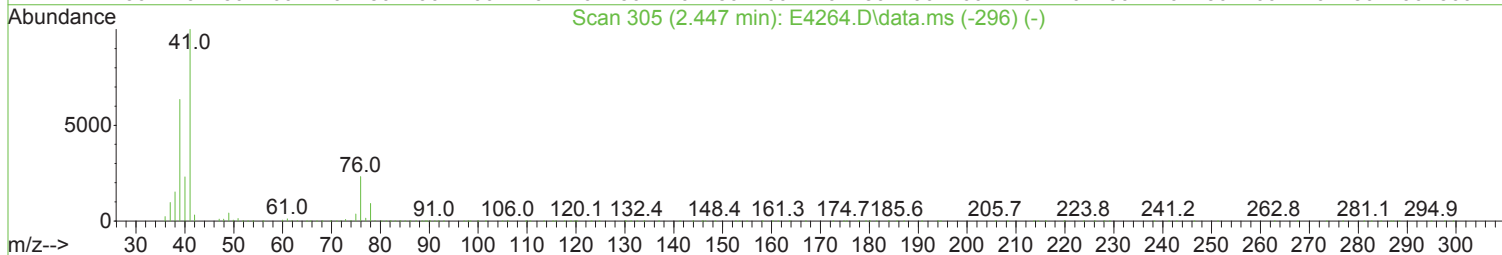
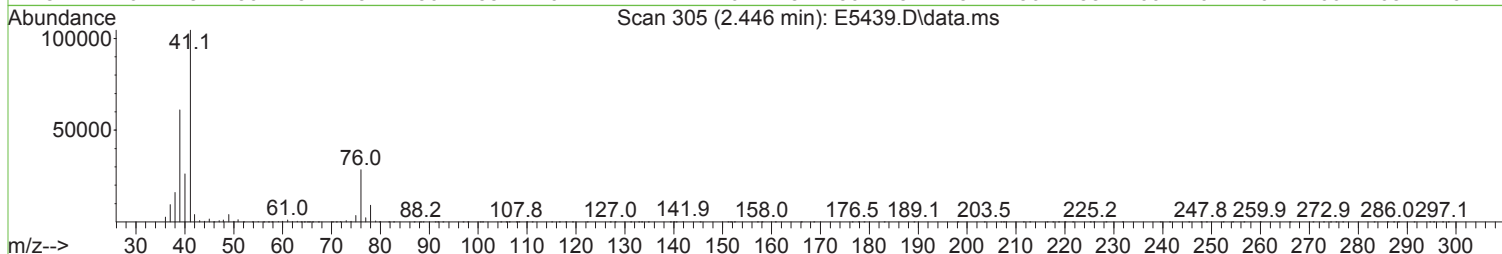
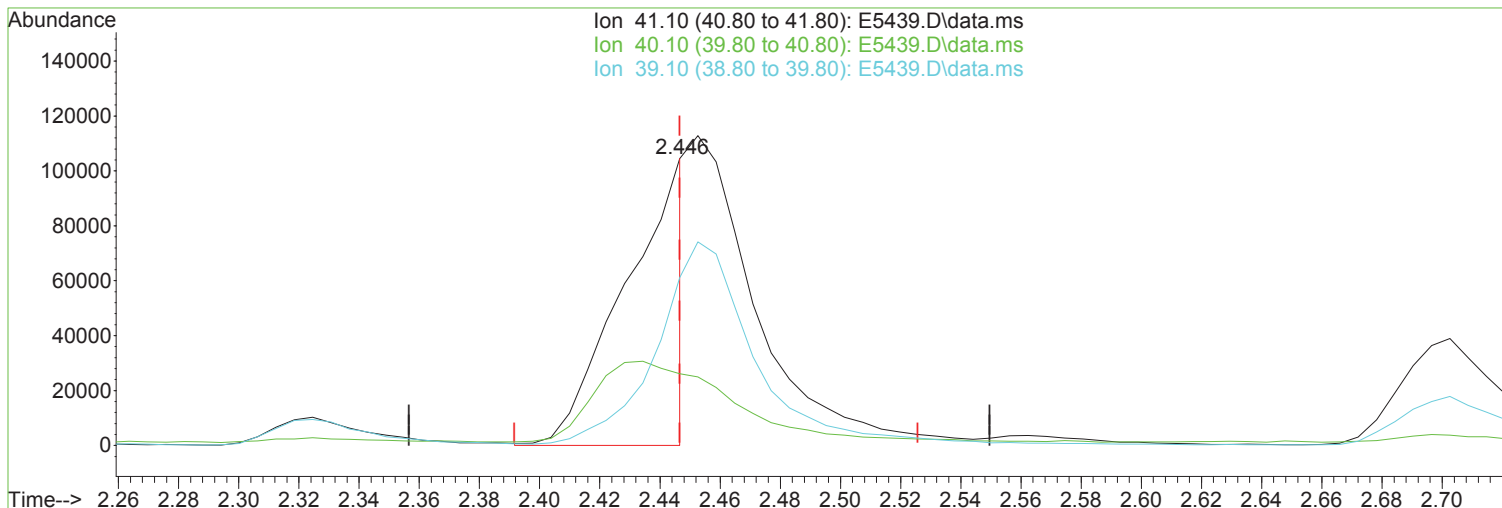
Before

response 184592

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 56.10 | 100.00 | 100.00 | 09/14/23 |
| 55.10 | 70.90 | 69.96 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.446min (-0.000) 224.41 ug/L m

After

response 147286

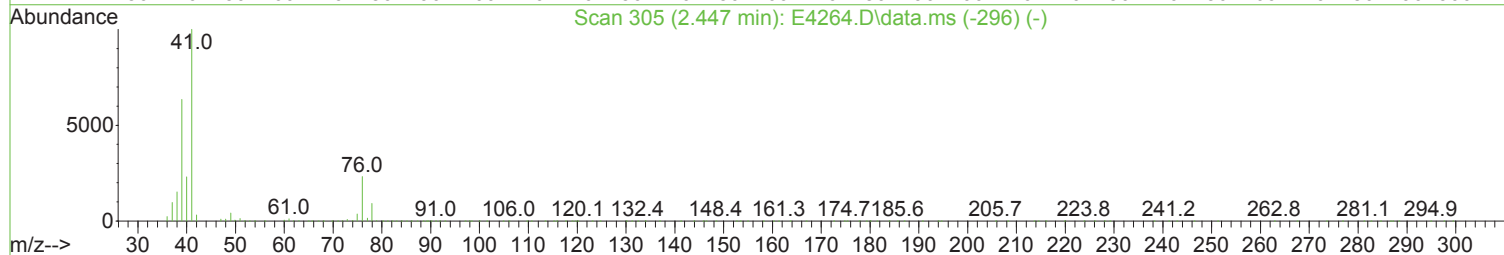
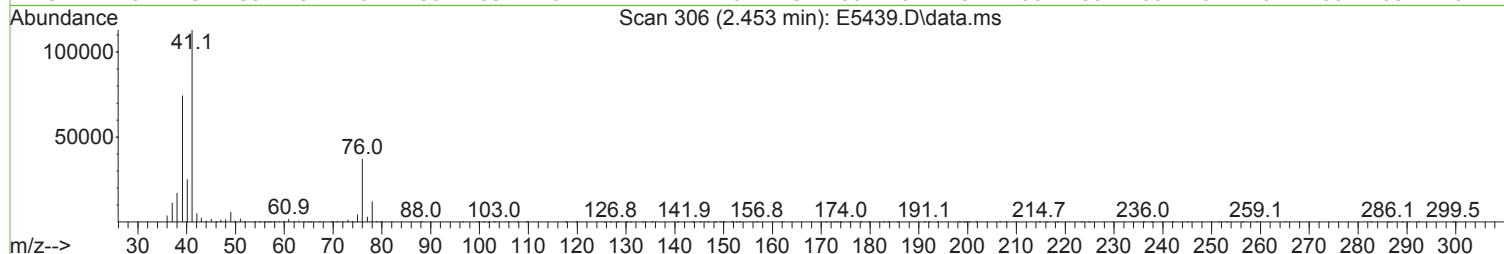
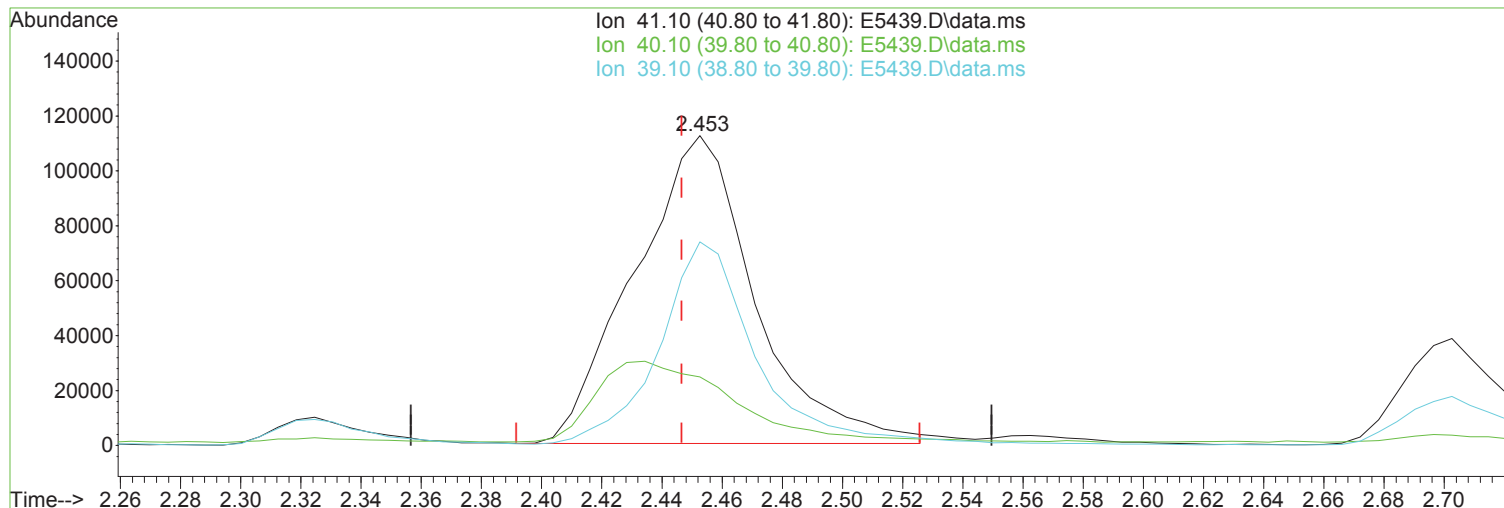
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 25.05 |
| 39.10 | 63.60 | 58.46 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 476.01 ug/L

Before

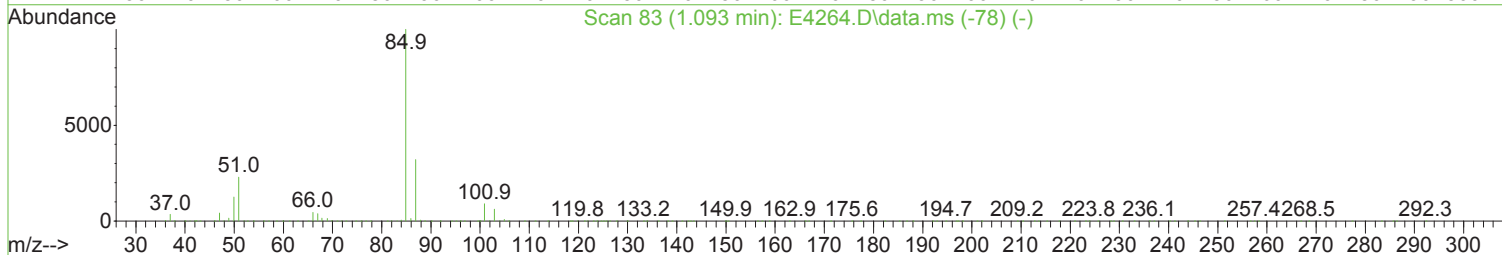
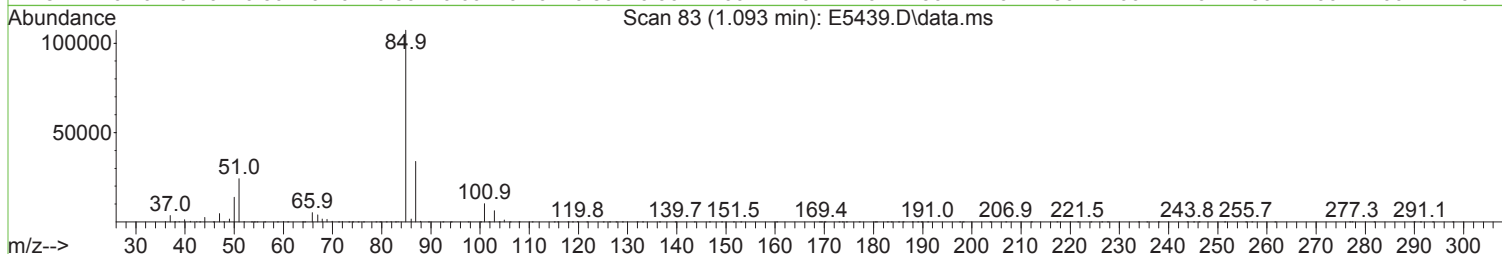
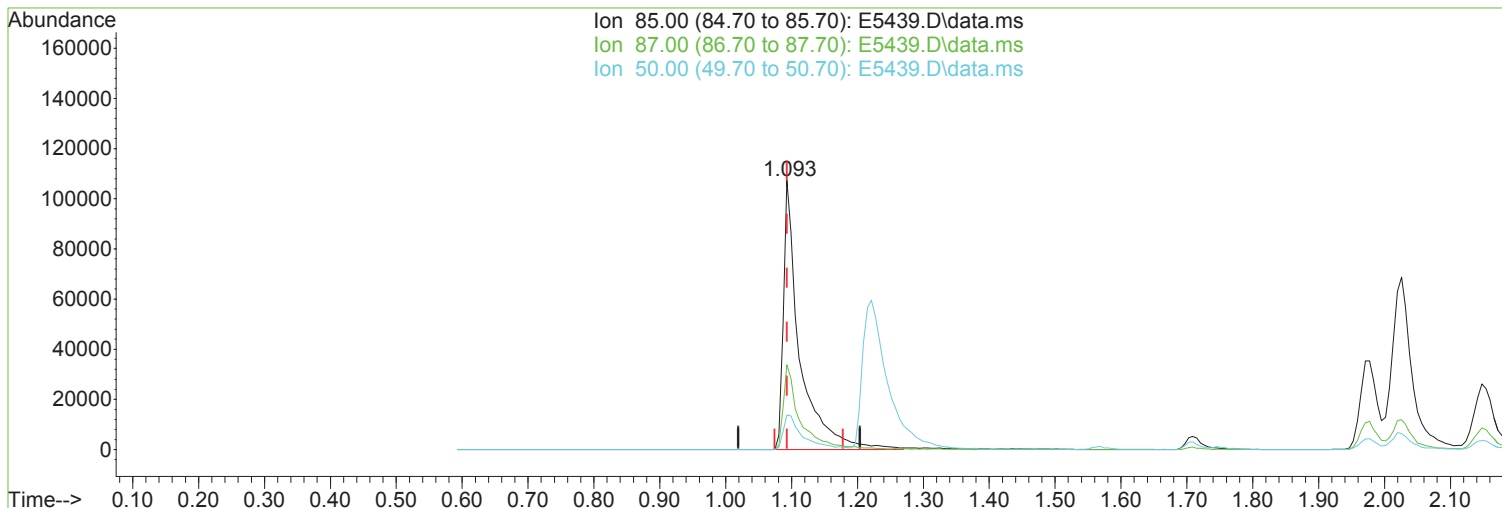
response 312426

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 22.12 |
| 39.10 | 63.60 | 65.74 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 38.90 ug/L m

response 184745

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.51 |
| 50.00 | 12.60 | 12.80 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

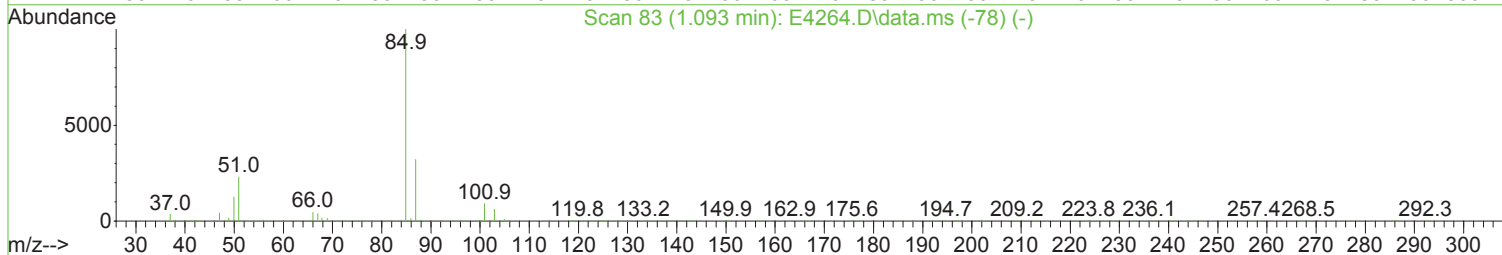
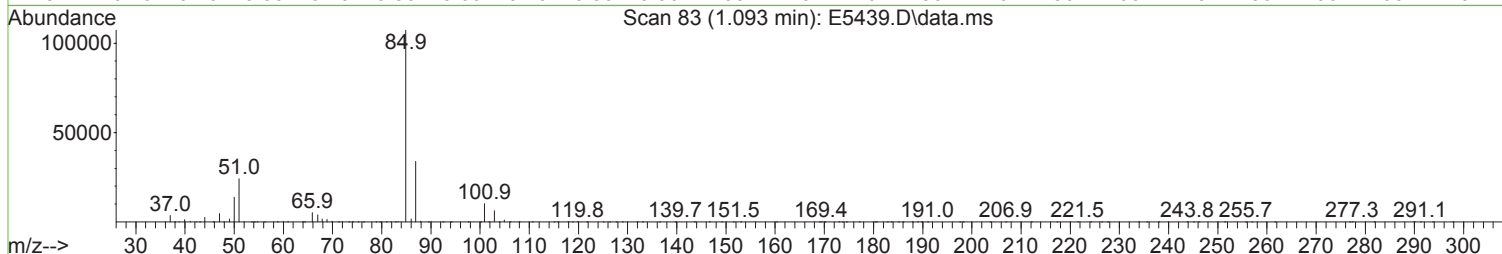
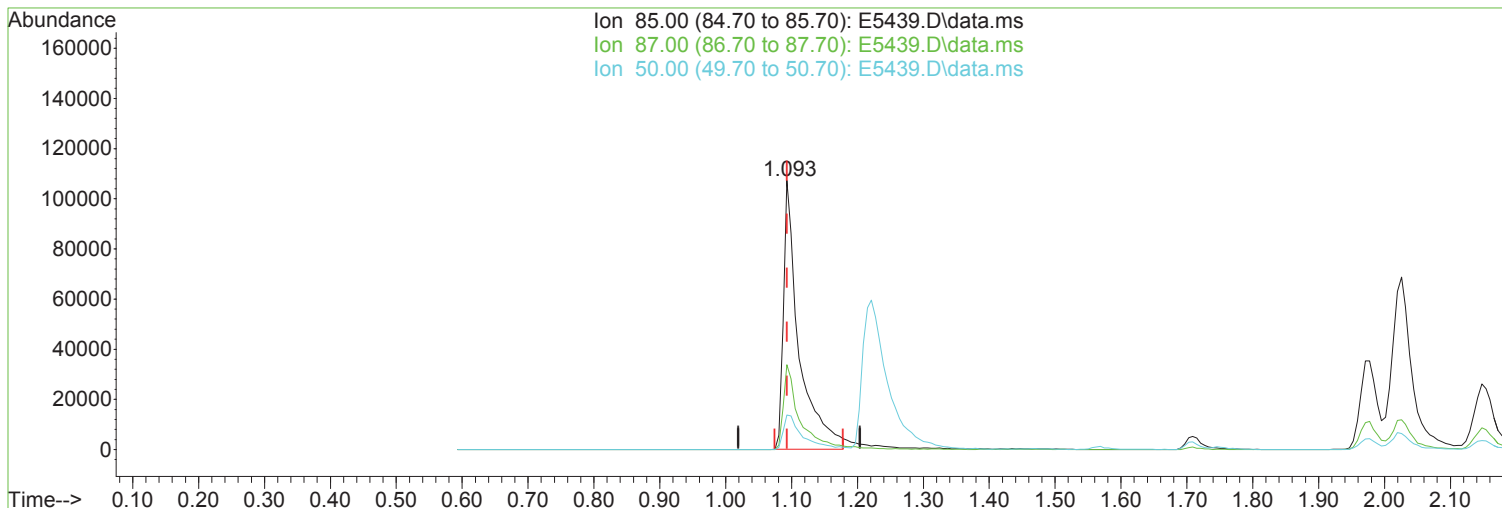
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
Data File : E5439.D
Acq On : 13 Sep 2023 11:10 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E5439.D\data.ms

(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 36.73 ug/L

Before

response 174438

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 31.51 |
| 50.00 | 12.60 | 12.80 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 2 | Chlorodifluoromethane | 50.000 | 34.503 | 31.0# | 86 | 0.00 |
| 3 P | Dichlorodifluoromethane | 50.000 | 38.904 | 22.2# | 90 | 0.00 |
| 4 P | Chloromethane | 50.000 | 42.737 | 14.5 | 103 | -0.01 |
| 5 P | Vinyl Chloride | 50.000 | 40.382 | 19.2 | 96 | 0.00 |
| 6 P | Bromomethane | 50.000 | 41.767 | 16.5 | 95 | 0.00 |
| 7 P | Chloroethane | 50.000 | 37.789 | 24.4# | 92 | 0.00 |
| 8 | Freon 21 | 50.000 | 43.909 | 12.2 | 107 | 0.00 |
| 9 P | Trichlorofluoromethane | 50.000 | 39.056 | 21.9# | 92 | 0.00 |
| 10 | Diethyl Ether | 50.000 | 45.367 | 9.3 | 104 | 0.00 |
| 11 | Freon 123a | 50.000 | 42.853 | 14.3 | 112 | 0.00 |
| 12 | Freon 123 | 50.000 | 45.939 | 8.1 | 113 | 0.00 |
| 13 | Acrolein | 250.000 | 305.952 | -22.4# | 143 | 0.00 |
| 14 | 1,1-Dicethene | 50.000 | 40.706 | 18.6 | 100 | 0.00 |
| 15 P | Freon 113 | 50.000 | 38.881 | 22.2# | 94 | 0.00 |
| 16 P | Acetone | 50.000 | 45.201 | 9.6 | 107 | 0.00 |
| 17 | 2-Propanol | 1000.000 | 914.495 | 8.6 | 105 | 0.00 |
| 18 | Iodomethane | 50.000 | 52.066 | -4.1 | 107 | 0.00 |
| 19 P | Carbon Disulfide | 50.000 | 43.192 | 13.6 | 97 | 0.00 |
| 20 | Acetonitrile | 250.000 | 224.406 | 10.2 | 103 | 0.00 |
| 21 | Allyl Chloride | 50.000 | 42.804 | 14.4 | 99 | 0.00 |
| 22 P | Methyl Acetate | 50.000 | 46.445 | 7.1 | 108 | 0.00 |
| 23 P | Methylene Chloride | 50.000 | 42.356 | 15.3 | 104 | 0.00 |
| 24 | TBA | 1000.000 | 793.377 | 20.7# | 93 | 0.00 |
| 25 | Acrylonitrile | 250.000 | 234.072 | 6.4 | 107 | 0.00 |
| 26 P | Methyl-t-Butyl Ether | 50.000 | 42.949 | 14.1 | 100 | 0.00 |
| 27 P | trans-1,2-Dichloroethene | 50.000 | 40.611 | 18.8 | 101 | 0.00 |
| 28 P | 1,1-Dicethane | 50.000 | 44.204 | 11.6 | 102 | 0.00 |
| 29 | Vinyl Acetate | 50.000 | 27.685 | 44.6# | 64 | 0.00 |
| 30 | DIPE | 50.000 | 48.768 | 2.5 | 112 | 0.00 |
| 31 | 2-Chloro-1,3-Butadiene | 50.000 | 45.706 | 8.6 | 103 | 0.00 |
| 32 | ETBE | 50.000 | 46.229 | 7.5 | 107 | 0.00 |
| 33 | 2,2-Dichloropropane | 50.000 | 34.046 | 31.9# | 81 | 0.00 |
| 34 P | cis-1,2-Dichloroethene | 50.000 | 42.013 | 16.0 | 101 | 0.00 |
| 35 P | 2-Butanone | 50.000 | 47.111 | 5.8 | 107 | 0.00 |
| 36 | Propionitrile | 250.000 | 228.327 | 8.7 | 108 | 0.00 |
| 37 | Bromochloromethane | 50.000 | 44.007 | 12.0 | 101 | 0.00 |
| 38 | Methacrylonitrile | 50.000 | 45.965 | 8.1 | 103 | 0.00 |
| 39 | Tetrahydrofuran | 50.000 | 43.179 | 13.6 | 103 | 0.00 |
| 40 P | Chloroform | 50.000 | 41.103 | 17.8 | 100 | 0.00 |
| 41 P | 1,1,1-Trichloroethane | 50.000 | 38.407 | 23.2# | 91 | 0.00 |
| 42 | TAME | 50.000 | 46.533 | 6.9 | 106 | 0.00 |
| 43 i | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 44 P | Cyclohexane | 50.000 | 43.078 | 13.8 | 104 | 0.00 |
| 45 s | surr4,Dibrflmethane | 50.000 | 50.139 | -0.3 | 105 | 0.00 |
| 46 P | Carbontetrachloride | 50.000 | 38.630 | 22.7# | 86 | 0.00 |
| 47 | 1,1-Dichloropropene | 50.000 | 42.420 | 15.2 | 100 | 0.00 |
| 48 s | surr1,1,2-dichloroethane-d4 | 50.000 | 49.750 | 0.5 | 104 | 0.00 |
| 49 P | Benzene | 50.000 | 44.841 | 10.3 | 104 | 0.00 |
| 50 P | 1,2-Dichloroethane | 50.000 | 43.551 | 12.9 | 101 | 0.00 |
| 51 | Iso-Butyl Alcohol | 1000.000 | 897.757 | 10.2 | 101 | 0.00 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 35.900 | 28.2# | 89 | 0.00 |
| 53 | 1-Butanol | 2500.000 | 2436.834 | 2.5 | 105 | 0.00 |
| 54 P | Trichloroethene | 50.000 | 44.353 | 11.3 | 105 | 0.00 |
| 55 P | Methylcyclohexane | 50.000 | 42.938 | 14.1 | 108 | 0.00 |
| 56 P | 1,2-Diclp propane | 50.000 | 45.334 | 9.3 | 105 | 0.00 |
| 57 | Dibromomethane | 50.000 | 43.575 | 12.8 | 99 | 0.00 |
| 58 | 1,4-Dioxane | 1000.000 | 916.868 | 8.3 | 105 | 0.00 |
| 59 | Methyl Methacrylate | 50.000 | 44.174 | 11.7 | 102 | 0.00 |
| 60 P | Bromodichloromethane | 50.000 | 38.704 | 22.6# | 91 | 0.00 |
| 61 | 2-Nitropropane | 100.000 | 66.945 | 33.1# | 76 | 0.00 |
| 62 | 2-Chloroethylvinyl Ether | 50.000 | 38.393 | 23.2# | 84 | 0.00 |
| 63 P | cis-1,3-Dichloropropene | 50.000 | 41.681 | 16.6 | 96 | 0.00 |
| 64 P | 4-Methyl-2-pentanone | 50.000 | 48.480 | 3.0 | 110 | 0.00 |
| 65 s | SURR3,Toluene-d8 | 50.000 | 52.013 | -4.0 | 111 | 0.00 |
| 66 P | Toluene | 50.000 | 43.574 | 12.9 | 101 | 0.00 |
| 67 P | trans-1,3-Dichloropropene | 50.000 | 40.793 | 18.4 | 91 | 0.00 |
| 68 | Ethyl Methacrylate | 50.000 | 45.451 | 9.1 | 101 | 0.00 |
| 69 P | 1,1,2-Trichloroethane | 50.000 | 45.083 | 9.8 | 104 | 0.00 |
| 70 s | SURR2,BFB | 50.000 | 50.405 | -0.8 | 109 | 0.00 |
| 71 i | d5-Chlorobenzene | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 72 P | Tetrachloroethene | 50.000 | 41.481 | 17.0 | 100 | 0.00 |
| 73 P | 2-Hexanone | 50.000 | 47.473 | 5.1 | 108 | 0.00 |
| 74 | 1,3-Dichloropropene | 50.000 | 45.709 | 8.6 | 105 | 0.00 |
| 75 P | Dibromochloromethane | 50.000 | 39.083 | 21.8# | 87 | 0.00 |
| 76 | N-Butyl Acetate | 50.000 | 48.666 | 2.7 | 108 | 0.00 |
| 77 P | 1,2-Dibromoethane | 50.000 | 44.386 | 11.2 | 101 | 0.00 |
| 78 | 3-Chlorobenzotrifluoride | 50.000 | 46.847 | 6.3 | 108 | 0.00 |
| 79 P | Chlorobenzene | 50.000 | 43.522 | 13.0 | 101 | 0.00 |
| 80 | 4-Chlorobenzotrifluoride | 50.000 | 46.324 | 7.4 | 108 | 0.00 |
| 81 | 1,1,1,2-Tetrachloroethane | 50.000 | 40.438 | 19.1 | 94 | 0.00 |
| 82 P | Ethylbenzene | 50.000 | 42.381 | 15.2 | 99 | 0.00 |
| 83 P | (m+p)Xylene | 100.000 | 84.343 | 15.7 | 99 | 0.00 |
| 84 P | o-Xylene | 50.000 | 42.088 | 15.8 | 100 | 0.00 |
| 85 P | Styrene | 50.000 | 42.161 | 15.7 | 97 | 0.00 |
| 86 P | Bromoform | 50.000 | 37.431 | 25.1# | 82 | 0.00 |
| 87 | 2-Chlorobenzotrifluoride | 50.000 | 47.694 | 4.6 | 109 | 0.00 |
| 88 P | Isopropylbenzene | 50.000 | 41.829 | 16.3 | 99 | 0.00 |
| 89 | Cyclohexanone | 1000.000 | 981.494 | 1.9 | 112 | 0.00 |
| 90 | trans-1,4-Dichloro-2-Butene | 50.000 | 40.341 | 19.3 | 92 | 0.00 |
| 91 i | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 92 P | 1,1,2,2-Tetrachloroethane | 50.000 | 41.136 | 17.7 | 98 | 0.00 |
| 93 | Bromobenzene | 50.000 | 41.667 | 16.7 | 101 | 0.00 |
| 94 | 1,2,3-Trichloropropene | 50.000 | 41.915 | 16.2 | 102 | 0.00 |
| 95 | n-Propylbenzene | 50.000 | 40.204 | 19.6 | 97 | 0.00 |
| 96 | 2-Chlorotoluene | 50.000 | 40.596 | 18.8 | 99 | 0.00 |
| 97 | 3-Chlorotoluene | 50.000 | 43.071 | 13.9 | 104 | 0.00 |
| 98 | 4-Chlorotoluene | 50.000 | 39.231 | 21.5# | 96 | 0.00 |
| 99 | 1,3,5-Trimethylbenzene | 50.000 | 38.703 | 22.6# | 95 | 0.00 |
| 100 | tert-Butylbenzene | 50.000 | 39.343 | 21.3# | 97 | 0.00 |
| 101 | 1,2,4-Trimethylbenzene | 50.000 | 39.717 | 20.6# | 96 | 0.00 |

Data Path : I:\ACQUADATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
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 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUADATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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-Dichlorobenzotrifluorid | 50.000 | 45.237 | 9.5 | 107 | 0.00 |
| 103 | sec-Butylbenzene | 50.000 | 39.080 | 21.8# | 97 | 0.00 |
| 104 | p-Isopropyltoluene | 50.000 | 39.689 | 20.6# | 96 | 0.00 |
| 105 P | 1,3-Dclbenz | 50.000 | 40.646 | 18.7 | 100 | 0.00 |
| 106 P | 1,4-Dclbenz | 50.000 | 40.292 | 19.4 | 98 | 0.00 |
| 107 | 2,4-Dichlorobenzotrifluorid | 50.000 | 45.454 | 9.1 | 106 | 0.00 |
| 108 | 2,5-Dichlorobenzotrifluorid | 50.000 | 47.013 | 6.0 | 110 | 0.00 |
| 109 | n-Butylbenzene | 50.000 | 40.392 | 19.2 | 95 | 0.00 |
| 110 P | 1,2-Dclbenz | 50.000 | 41.898 | 16.2 | 100 | 0.00 |
| 111 P | 1,2-Dibromo-3-chloropropane | 50.000 | 38.784 | 22.4# | 88 | 0.00 |
| 112 | Trielution Dichlorotoluene | 150.000 | 134.963 | 10.0 | 104 | 0.00 |
| 113 | 1,3,5-Trichlorobenzene | 50.000 | 46.648 | 6.7 | 108 | 0.00 |
| 114 | Coelution Dichlorotoluene | 100.000 | 91.907 | 8.1 | 104 | 0.00 |
| 115 P | 1,2,4-Tcbenzene | 50.000 | 44.151 | 11.7 | 103 | 0.00 |
| 116 | Hexachlorobt | 50.000 | 41.051 | 17.9 | 97 | 0.00 |
| 117 | Naphthalen | 50.000 | 46.182 | 7.6 | 103 | 0.00 |
| 118 | 1,2,3-Tclbenzene | 50.000 | 45.780 | 8.4 | 104 | 0.00 |
| 119 | 2,4,5-Trichlorotoluene | 50.000 | 47.328 | 5.3 | 104 | 0.00 |
| 120 | 2,3,6-Trichlorotoluene | 50.000 | 0.000 | 100.0# | 0 | -14.33# |

(#) = Out of Range

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
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 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
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 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|----------|----------|----------|-------|---------------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.086 | 168 | 413623 | 50.00 | ug/L | 0.00 |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 587360 | 50.00 | ug/L | 0.00 |
| 71) d5-Chlorobenzene | 9.622 | 117 | 535593 | 50.00 | ug/L | 0.00 |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 298606 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 194749 | 50.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 100.28% |
| 48) surr1,1,2-dichloroetha... | 5.507 | 65 | 221427 | 49.75 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 99.50% |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 734909 | 52.01 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 104.02% |
| 70) SURR2,BFB | 10.707 | 95 | 271353 | 50.40 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 100.80% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.105 | 51 | 131152 | 34.503 | ug/L | 96 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 184745m | 38.904 | ug/L | |
| 4) Chloromethane | 1.221 | 50 | 155482 | 42.737 | ug/L | 95 |
| 5) Vinyl Chloride | 1.282 | 62 | 184127 | 40.382 | ug/L | 99 |
| 6) Bromomethane | 1.489 | 94 | 131183 | 41.767 | ug/L | 98 |
| 7) Chloroethane | 1.569 | 64 | 114010 | 37.789 | ug/L | 94 |
| 8) Freon 21 | 1.709 | 67 | 267667 | 43.909 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 224353 | 39.056 | ug/L | 98 |
| 10) Diethyl Ether | 1.971 | 59 | 128273 | 45.367 | ug/L | 99 |
| 11) Freon 123a | 1.977 | 67 | 155364 | 42.853 | ug/L | 97 |
| 12) Freon 123 | 2.026 | 83 | 207377 | 45.939 | ug/L | 99 |
| 13) Acrolein | 2.069 | 56 | 189093m | 305.952 | ug/L | |
| 14) 1,1-Dicethene | 2.142 | 96 | 127692 | 40.706 | ug/L | 99 |
| 15) Freon 113 | 2.148 | 101 | 133690 | 38.881 | ug/L | 98 |
| 16) Acetone | 2.197 | 43 | 86741 | 45.201 | ug/L | 96 |
| 17) 2-Propanol | 2.325 | 45 | 288134 | 914.495 | ug/L | 98 |
| 18) Iodomethane | 2.264 | 142 | 251715 | 52.066 | ug/L | 98 |
| 19) Carbon Disulfide | 2.318 | 76 | 402430 | 43.192 | ug/L | 100 |
| 20) Acetonitrile | 2.446 | 41 | 147286m | 224.406 | ug/L | |
| 21) Allyl Chloride | 2.453 | 76 | 76081 | 42.804 | ug/L | 95 |
| 22) Methyl Acetate | 2.483 | 43 | 201727 | 46.445 | ug/L | 97 |
| 23) Methylene Chloride | 2.568 | 84 | 148182 | 42.356 | ug/L | 98 |
| 24) TBA | 2.703 | 59 | 438219 | 793.377 | ug/L | 91 |
| 25) Acrylonitrile | 2.812 | 53 | 379682 | 234.072 | ug/L | 100 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 478467 | 42.949 | ug/L | 99 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 144465 | 40.611 | ug/L | 98 |
| 28) 1,1-Dicethane | 3.306 | 63 | 249692 | 44.204 | ug/L | 98 |
| 29) Vinyl Acetate | 3.398 | 86 | 14866 | 27.685 | ug/L | # 60 |
| 30) DIPE | 3.428 | 45 | 498032 | 48.768 | ug/L | 88 |
| 31) 2-Chloro-1,3-Butadiene | 3.422 | 53 | 246081 | 45.706 | ug/L | 93 |
| 32) ETBE | 3.922 | 59 | 490030 | 46.229 | ug/L | 97 |
| 33) 2,2-Dichloropropane | 4.086 | 77 | 188558 | 34.046 | ug/L | 97 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 163840 | 42.013 | ug/L | 98 |
| 35) 2-Butanone | 4.160 | 43 | 106821 | 47.111 | ug/L | 98 |
| 36) Propionitrile | 4.239 | 54 | 154596 | 228.327 | ug/L | 97 |
| 37) Bromochloromethane | 4.464 | 130 | 112457 | 44.007 | ug/L | 97 |
| 38) Methacrylonitrile | 4.483 | 67 | 82629 | 45.965 | ug/L | 96 |
| 39) Tetrahydrofuran | 4.568 | 42 | 59295 | 43.179 | ug/L | 94 |
| 40) Chloroform | 4.635 | 83 | 263151 | 41.103 | ug/L | 96 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 4.922 | 97 | 223536 | 38.407 | ug/L | 97 |
| 42) TAME | 5.842 | 73 | 481512 | 46.533 | ug/L | 96 |
| 44) Cyclohexane | 5.007 | 41 | 135664 | 43.078 | ug/L | 95 |
| 46) Carbontetrachloride | 5.220 | 117 | 188456 | 38.630 | ug/L | 96 |
| 47) 1,1-Dichloropropene | 5.239 | 75 | 189334 | 42.420 | ug/L | 98 |
| 49) Benzene | 5.580 | 78 | 571975 | 44.841 | ug/L | 100 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 217298 | 43.551 | ug/L | 98 |
| 51) Iso-Butyl Alcohol | 5.641 | 43 | 189542 | 897.757 | ug/L | 100 |
| 52) n-Heptane | 6.098 | 43 | 164369 | 35.900 | ug/L | 99 |
| 53) 1-Butanol | 6.653 | 56 | 324390 | 2436.834 | ug/L | 100 |
| 54) Trichloroethene | 6.574 | 130 | 175406 | 44.353 | ug/L | 98 |
| 55) Methylcyclohexane | 6.812 | 55 | 188655 | 42.938 | ug/L | 95 |
| 56) 1,2-Dicloropropane | 6.873 | 63 | 150029 | 45.334 | ug/L | 100 |
| 57) Dibromomethane | 7.013 | 93 | 105904 | 43.575 | ug/L | 96 |
| 58) 1,4-Dioxane | 7.098 | 88 | 56369 | 916.868 | ug/L | 100 |
| 59) Methyl Methacrylate | 7.116 | 69 | 132778 | 44.174 | ug/L | 98 |
| 60) Bromodichloromethane | 7.257 | 83 | 197563 | 38.704 | ug/L | 99 |
| 61) 2-Nitropropane | 7.555 | 41 | 86814 | 66.945 | ug/L | 91 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 81413 | 38.393 | ug/L | 99 |
| 63) cis-1,3-Dichloropropene | 7.811 | 75 | 237440 | 41.681 | ug/L | 99 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 204772 | 48.480 | ug/L | 98 |
| 66) Toluene | 8.177 | 91 | 632878 | 43.574 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 214970 | 40.793 | ug/L | 98 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 239007 | 45.451 | ug/L | 99 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 156713 | 45.083 | ug/L | 99 |
| 72) Tetrachloroethene | 8.775 | 164 | 134850 | 41.481 | ug/L | 98 |
| 73) 2-Hexanone | 8.958 | 43 | 151842 | 47.473 | ug/L | 98 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 262930 | 45.709 | ug/L | 98 |
| 75) Dibromochloromethane | 9.049 | 129 | 166451 | 39.083 | ug/L | 97 |
| 76) N-Butyl Acetate | 9.116 | 43 | 309806 | 48.666 | ug/L | 99 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 169381 | 44.386 | ug/L | 100 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 276662 | 46.847 | ug/L | 97 |
| 79) Chlorobenzene | 9.646 | 112 | 434908 | 43.522 | ug/L | 99 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 246215 | 46.324 | ug/L | 98 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 161246 | 40.438 | ug/L | 99 |
| 82) Ethylbenzene | 9.768 | 106 | 220535 | 42.381 | ug/L | 98 |
| 83) (m+p)Xylene | 9.884 | 106 | 548271 | 84.343 | ug/L | 99 |
| 84) o-Xylene | 10.244 | 106 | 268720 | 42.088 | ug/L | 97 |
| 85) Styrene | 10.262 | 104 | 456275 | 42.161 | ug/L | 97 |
| 86) Bromoform | 10.408 | 173 | 121154 | 37.431 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.500 | 180 | 275221 | 47.694 | ug/L | 94 |
| 88) Isopropylbenzene | 10.585 | 105 | 657563 | 41.829 | ug/L | 100 |
| 89) Cyclohexanone | 10.652 | 55 | 779682 | 981.494 | ug/L | 98 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 62442 | 40.341 | ug/L | 93 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 218003 | 41.136 | ug/L | 98 |
| 93) Bromobenzene | 10.823 | 156 | 209248 | 41.667 | ug/L | 96 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 76857 | 41.915 | ug/L | 91 |
| 95) n-Propylbenzene | 10.939 | 91 | 796508 | 40.204 | ug/L | 100 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 487182 | 40.596 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 529232 | 43.071 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 573649 | 39.231 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 591365 | 38.703 | ug/L | 98 |
| 100) tert-Butylbenzene | 11.366 | 119 | 511093 | 39.343 | ug/L | 98 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 584501 | 39.717 | ug/L | 98 |
| 102) 3,4-Dichlorobenzotrifl... | 11.475 | 214 | 223813 | 45.237 | ug/L | 95 |
| 103) sec-Butylbenzene | 11.549 | 105 | 725956 | 39.080 | ug/L | 98 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

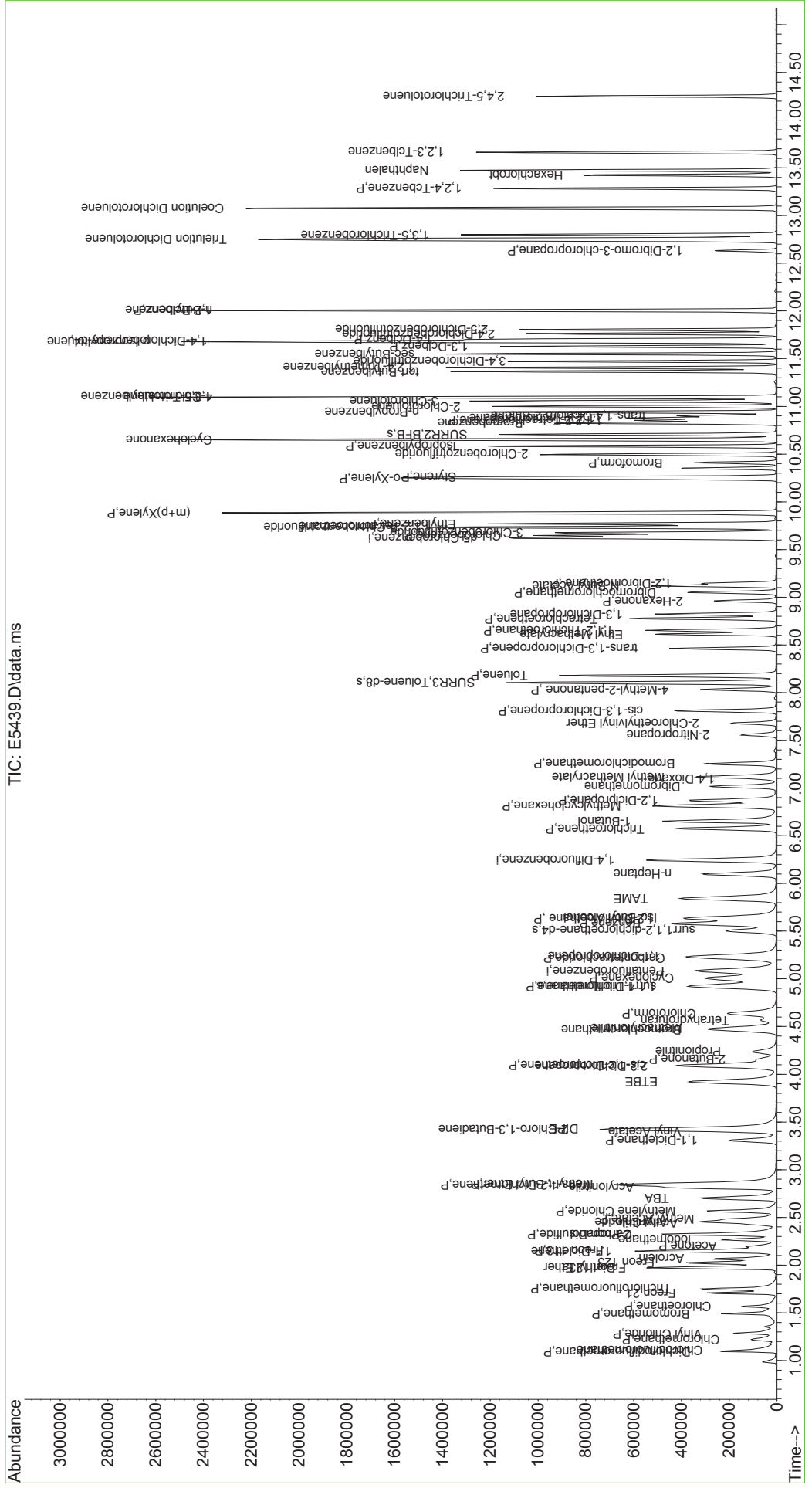
Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 104) p-Isopropyltoluene | 11.677 | 119 | 647376 | 39.689 | ug/L | 98 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 370096 | 40.646 | ug/L | 97 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 375482 | 40.292 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 201374 | 45.454 | ug/L | 99 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 230746 | 47.013 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 566118 | 40.392 | ug/L | 99 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 373641 | 41.898 | ug/L | 99 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 56755 | 38.784 | ug/L | 99 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 1027956 | 134.963 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 312183 | 46.648 | ug/L | 98 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 739898 | 91.907 | ug/L | 92 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 297953 | 44.151 | ug/L | 99 |
| 116) Hexachlorobt | 13.426 | 225 | 124781 | 41.051 | ug/L | 97 |
| 117) Naphthalen | 13.475 | 128 | 772919 | 46.182 | ug/L | 100 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 299343 | 45.780 | ug/L | 99 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 201627 | 47.328 | ug/L | 98 |

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

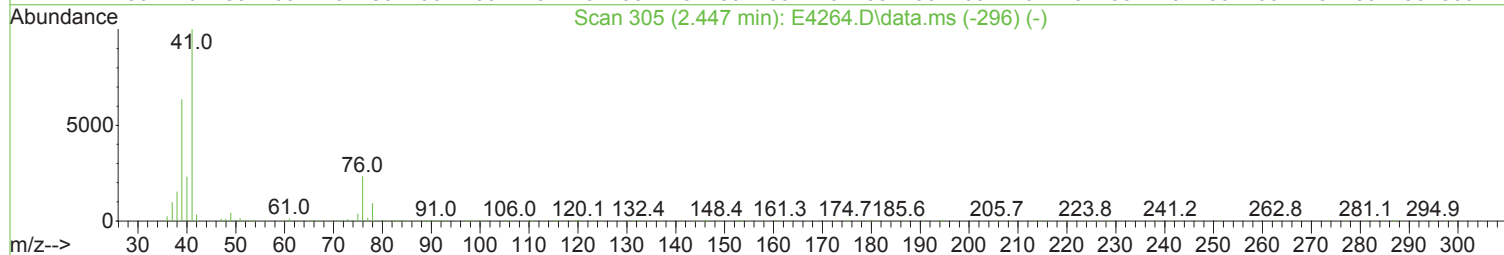
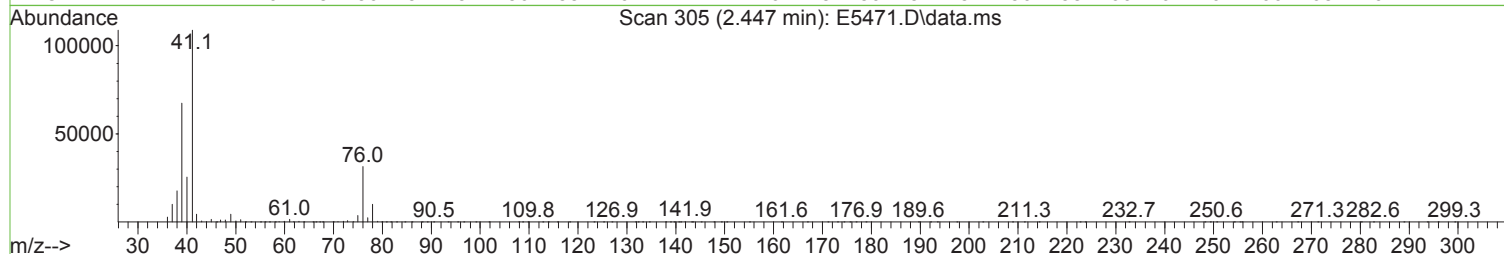
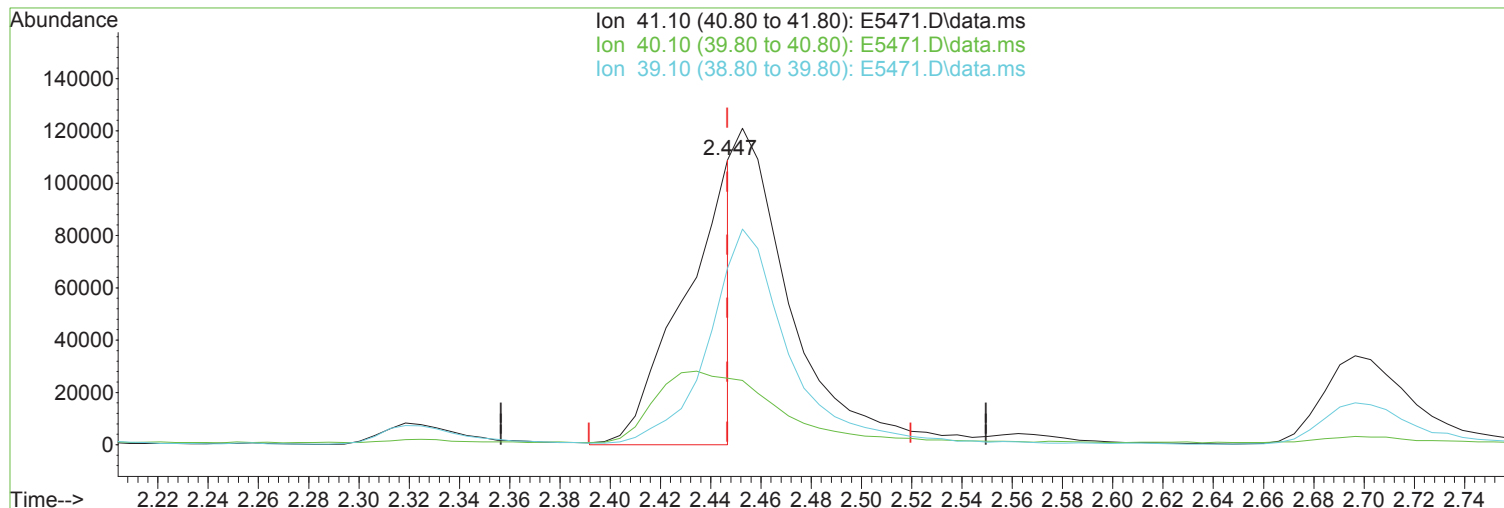
Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5439.D
 Acq On : 13 Sep 2023 11:10 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 09:23:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5471.D
Acq On : 14 Sep 2023 12:05 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.447min (-0.000) 222.23 ug/L m

After

response 146735

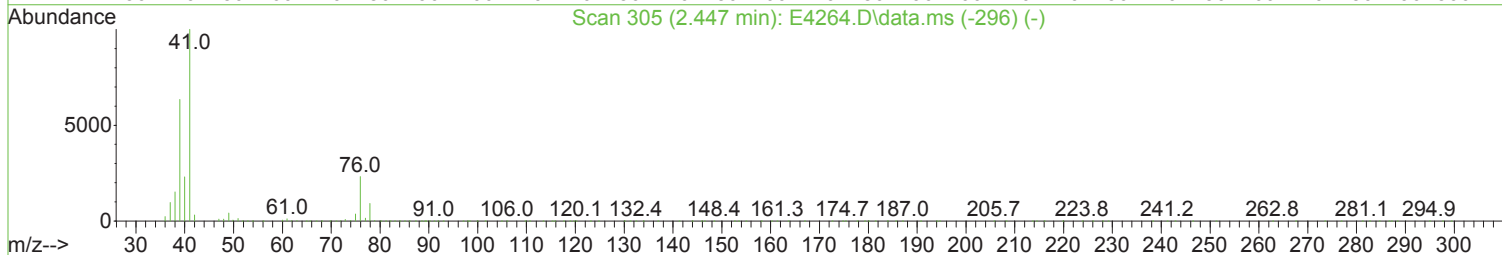
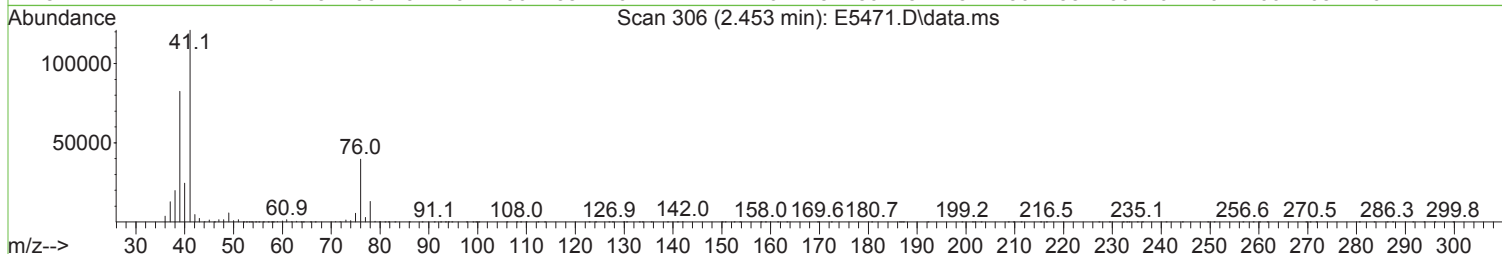
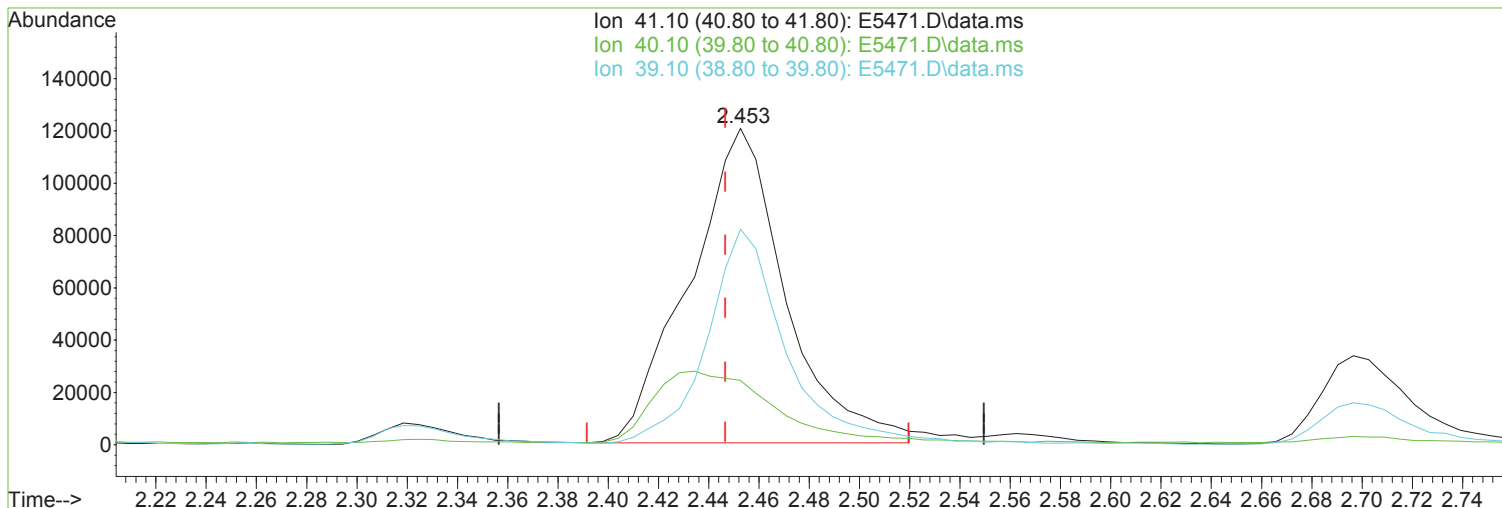
Poor integration.

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 23.44 |
| 39.10 | 63.60 | 61.97 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5471.D
Acq On : 14 Sep 2023 12:05 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(20) Acetonitrile

Manual Integration:

2.453min (+ 0.006) 483.62 ug/L

Before

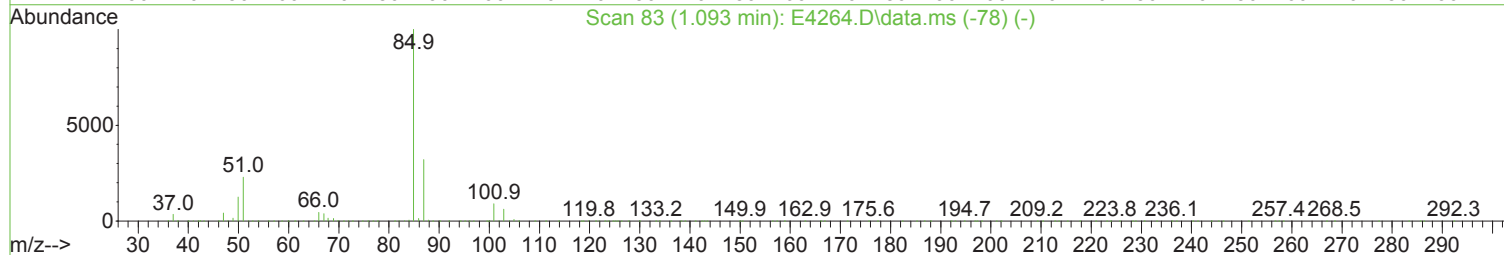
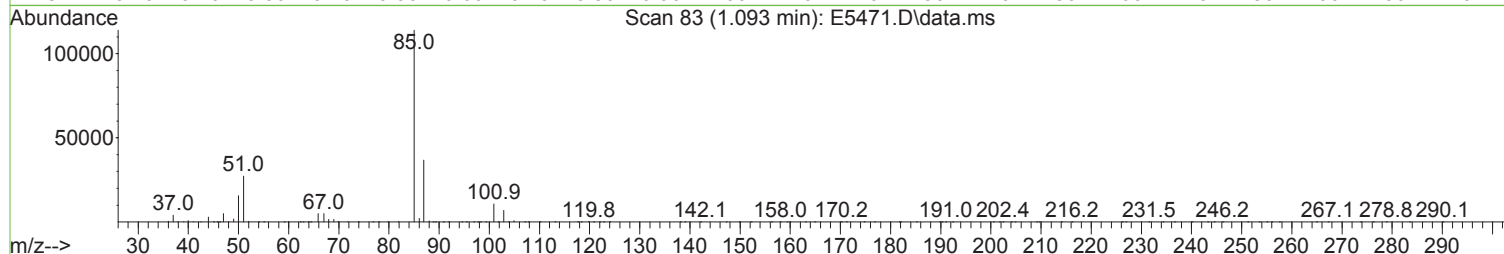
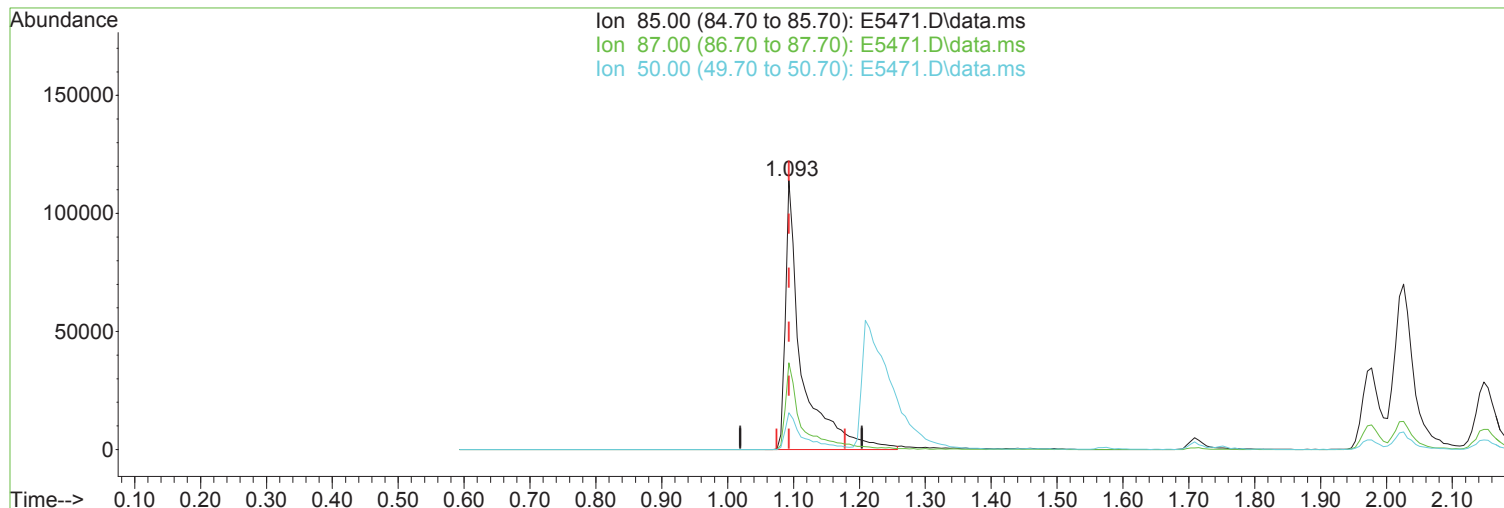
response 319336

| Ion | Exp% | Act% |
|-------|--------|--------|
| 41.10 | 100.00 | 100.00 |
| 40.10 | 23.00 | 20.29 |
| 39.10 | 63.60 | 68.09 |
| 0.00 | 0.00 | 0.00 |

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5471.D
Acq On : 14 Sep 2023 12:05 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 40.94 ug/L m

response 195598

| Ion | Exp% | Act% |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 32.10 | 32.27 |
| 50.00 | 12.60 | 13.64 |
| 0.00 | 0.00 | 0.00 |

Manual Integration:

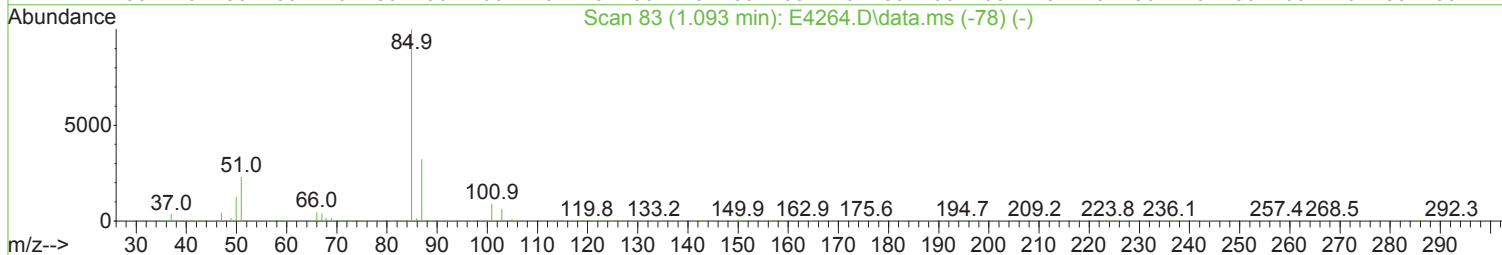
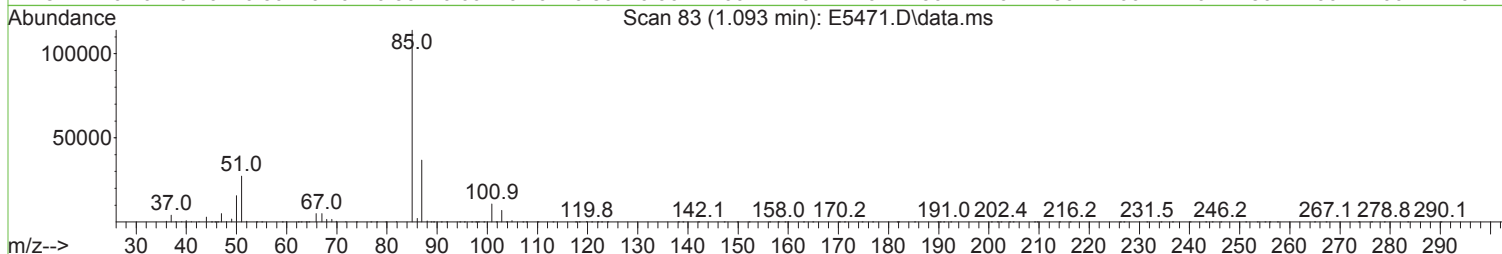
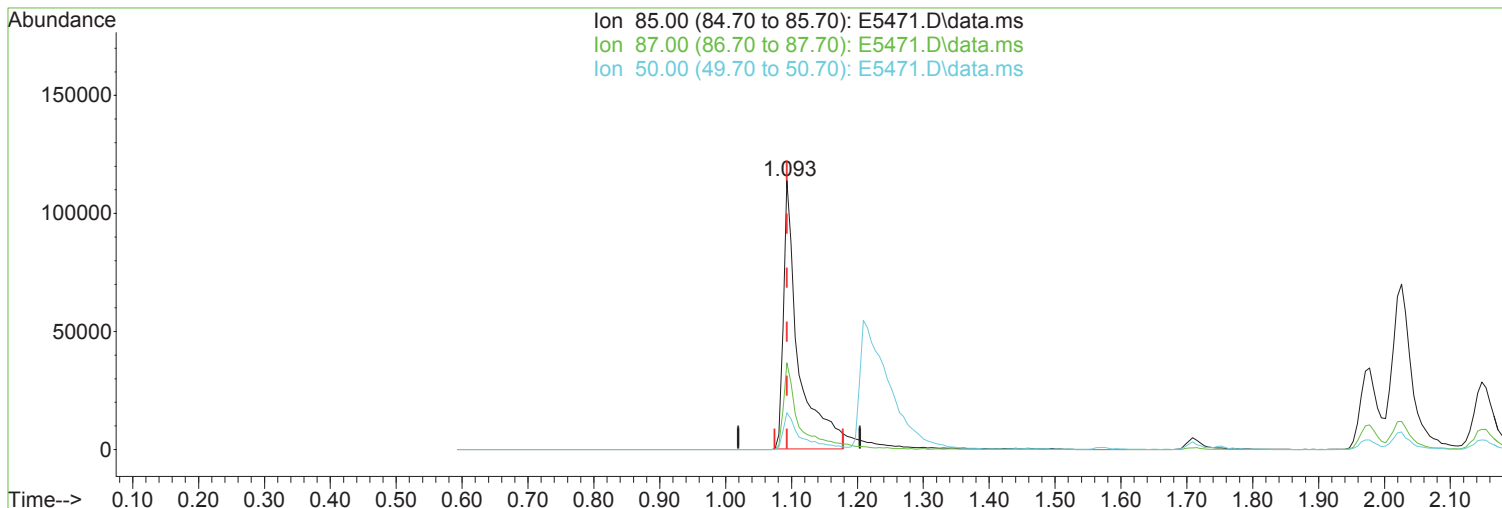
After

Poor integration.

09/14/23

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
Data File : E5471.D
Acq On : 14 Sep 2023 12:05 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



(3) Dichlorodifluoromethane (P)

Manual Integration:

1.093min (-0.000) 37.57 ug/L

Before

response 179494

| Ion | Exp% | Act% | |
|-------|--------|--------|----------|
| 85.00 | 100.00 | 100.00 | 09/14/23 |
| 87.00 | 32.10 | 32.27 | |
| 50.00 | 12.60 | 13.64 | |
| 0.00 | 0.00 | 0.00 | |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
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Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 2 | Chlorodifluoromethane | 50.000 | 33.074 | 33.9# | 83 | 0.00 |
| 3 P | Dichlorodifluoromethane | 50.000 | 40.942 | 18.1 | 96 | 0.00 |
| 4 P | Chloromethane | 50.000 | 44.763 | 10.5 | 109 | -0.02 |
| 5 P | Vinyl Chloride | 50.000 | 42.502 | 15.0 | 102 | 0.00 |
| 6 P | Bromomethane | 50.000 | 41.245 | 17.5 | 95 | 0.00 |
| 7 P | Chloroethane | 50.000 | 38.785 | 22.4# | 94 | 0.00 |
| 8 | Freon 21 | 50.000 | 42.079 | 15.8 | 104 | 0.00 |
| 9 P | Trichlorofluoromethane | 50.000 | 42.885 | 14.2 | 101 | 0.00 |
| 10 | Diethyl Ether | 50.000 | 46.448 | 7.1 | 107 | 0.00 |
| 11 | Freon 123a | 50.000 | 42.636 | 14.7 | 112 | 0.00 |
| 12 | Freon 123 | 50.000 | 45.165 | 9.7 | 112 | 0.00 |
| 13 | Acrolein | 250.000 | 303.373 | -21.3# | 143 | 0.00 |
| 14 | 1,1-Dicethene | 50.000 | 43.230 | 13.5 | 106 | 0.00 |
| 15 P | Freon 113 | 50.000 | 42.675 | 14.7 | 104 | 0.00 |
| 16 P | Acetone | 50.000 | 37.884 | 24.2# | 90 | 0.00 |
| 17 | 2-Propanol | 1000.000 | 759.560 | 24.0# | 88 | 0.00 |
| 18 | Iodomethane | 50.000 | 48.862 | 2.3 | 101 | 0.00 |
| 19 P | Carbon Disulfide | 50.000 | 40.240 | 19.5 | 91 | 0.00 |
| 20 | Acetonitrile | 250.000 | 222.226 | 11.1 | 102 | 0.00 |
| 21 | Allyl Chloride | 50.000 | 45.293 | 9.4 | 105 | 0.00 |
| 22 P | Methyl Acetate | 50.000 | 42.200 | 15.6 | 99 | 0.00 |
| 23 P | Methylene Chloride | 50.000 | 44.752 | 10.5 | 111 | 0.00 |
| 24 | TBA | 1000.000 | 723.557 | 27.6# | 85 | 0.00 |
| 25 | Acrylonitrile | 250.000 | 227.744 | 8.9 | 105 | 0.00 |
| 26 P | Methyl-t-Butyl Ether | 50.000 | 43.966 | 12.1 | 103 | 0.00 |
| 27 P | trans-1,2-Dichloroethene | 50.000 | 43.344 | 13.3 | 108 | 0.00 |
| 28 P | 1,1-Dicethane | 50.000 | 46.991 | 6.0 | 109 | 0.00 |
| 29 | Vinyl Acetate | 50.000 | 43.637 | 12.7 | 102 | 0.00 |
| 30 | DIPE | 50.000 | 44.566 | 10.9 | 103 | 0.00 |
| 31 | 2-Chloro-1,3-Butadiene | 50.000 | 42.505 | 15.0 | 96 | 0.00 |
| 32 | ETBE | 50.000 | 42.441 | 15.1 | 99 | 0.00 |
| 33 | 2,2-Dichloropropane | 50.000 | 40.201 | 19.6 | 96 | 0.00 |
| 34 P | cis-1,2-Dichloroethene | 50.000 | 44.311 | 11.4 | 107 | 0.00 |
| 35 P | 2-Butanone | 50.000 | 42.623 | 14.8 | 97 | 0.00 |
| 36 | Propionitrile | 250.000 | 217.678 | 12.9 | 104 | 0.00 |
| 37 | Bromochloromethane | 50.000 | 46.205 | 7.6 | 107 | 0.00 |
| 38 | Methacrylonitrile | 50.000 | 44.879 | 10.2 | 101 | 0.00 |
| 39 | Tetrahydrofuran | 50.000 | 41.020 | 18.0 | 98 | 0.00 |
| 40 P | Chloroform | 50.000 | 42.982 | 14.0 | 106 | 0.00 |
| 41 P | 1,1,1-Trichloroethane | 50.000 | 40.624 | 18.8 | 97 | 0.00 |
| 42 | TAME | 50.000 | 42.411 | 15.2 | 97 | 0.00 |
| 43 i | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 44 P | Cyclohexane | 50.000 | 43.752 | 12.5 | 106 | 0.00 |
| 45 s | surr4,Dibrflmethane | 50.000 | 48.846 | 2.3 | 103 | 0.00 |
| 46 P | Carbontetrachloride | 50.000 | 41.629 | 16.7 | 93 | 0.00 |
| 47 | 1,1-Dichloropropene | 50.000 | 44.757 | 10.5 | 106 | 0.00 |
| 48 s | surr1,1,2-dichloroethane-d4 | 50.000 | 48.469 | 3.1 | 102 | 0.00 |
| 49 P | Benzene | 50.000 | 47.467 | 5.1 | 110 | 0.00 |
| 50 P | 1,2-Dichloroethane | 50.000 | 45.665 | 8.7 | 106 | 0.00 |
| 51 | Iso-Butyl Alcohol | 1000.000 | 832.031 | 16.8 | 94 | 0.00 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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 | 50.000 | 40.925 | 18.2 | 102 | 0.00 |
| 53 | 1-Butanol | 2500.000 | 2007.235 | 19.7 | 87 | 0.00 |
| 54 P | Trichloroethene | 50.000 | 44.677 | 10.6 | 106 | 0.00 |
| 55 P | Methylcyclohexane | 50.000 | 44.013 | 12.0 | 110 | 0.00 |
| 56 P | 1,2-Diclp propane | 50.000 | 47.617 | 4.8 | 111 | 0.00 |
| 57 | Dibromomethane | 50.000 | 45.444 | 9.1 | 104 | 0.00 |
| 58 | 1,4-Dioxane | 1000.000 | 854.738 | 14.5 | 98 | 0.00 |
| 59 | Methyl Methacrylate | 50.000 | 44.003 | 12.0 | 102 | 0.00 |
| 60 P | Bromodichloromethane | 50.000 | 40.907 | 18.2 | 96 | 0.00 |
| 61 | 2-Nitropropane | 100.000 | 67.665 | 32.3# | 77 | 0.00 |
| 62 | 2-Chloroethylvinyl Ether | 50.000 | 46.975 | 6.0 | 103 | 0.00 |
| 63 P | cis-1,3-Dichloropropene | 50.000 | 44.276 | 11.4 | 102 | 0.00 |
| 64 P | 4-Methyl-2-pentanone | 50.000 | 44.346 | 11.3 | 100 | 0.00 |
| 65 s | SURR3,Toluene-d8 | 50.000 | 50.622 | -1.2 | 108 | 0.00 |
| 66 P | Toluene | 50.000 | 46.166 | 7.7 | 107 | 0.00 |
| 67 P | trans-1,3-Dichloropropene | 50.000 | 43.467 | 13.1 | 97 | 0.00 |
| 68 | Ethyl Methacrylate | 50.000 | 45.754 | 8.5 | 102 | 0.00 |
| 69 P | 1,1,2-Trichloroethane | 50.000 | 45.546 | 8.9 | 105 | 0.00 |
| 70 s | SURR2,BFB | 50.000 | 47.053 | 5.9 | 102 | 0.00 |
| 71 i | d5-Chlorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 72 P | Tetrachloroethene | 50.000 | 44.938 | 10.1 | 107 | 0.00 |
| 73 P | 2-Hexanone | 50.000 | 43.356 | 13.3 | 97 | 0.00 |
| 74 | 1,3-Dichloropropene | 50.000 | 48.187 | 3.6 | 110 | 0.00 |
| 75 P | Dibromochloromethane | 50.000 | 42.173 | 15.7 | 93 | 0.00 |
| 76 | N-Butyl Acetate | 50.000 | 44.122 | 11.8 | 97 | 0.00 |
| 77 P | 1,2-Dibromoethane | 50.000 | 45.669 | 8.7 | 103 | 0.00 |
| 78 | 3-Chlorobenzotrifluoride | 50.000 | 45.273 | 9.5 | 103 | 0.00 |
| 79 P | Chlorobenzene | 50.000 | 46.280 | 7.4 | 107 | 0.00 |
| 80 | 4-Chlorobenzotrifluoride | 50.000 | 45.099 | 9.8 | 104 | 0.00 |
| 81 | 1,1,1,2-Tetrachloroethane | 50.000 | 42.990 | 14.0 | 98 | 0.00 |
| 82 P | Ethylbenzene | 50.000 | 44.866 | 10.3 | 104 | 0.00 |
| 83 P | (m+p)Xylene | 100.000 | 89.940 | 10.1 | 104 | 0.00 |
| 84 P | o-Xylene | 50.000 | 45.136 | 9.7 | 106 | 0.00 |
| 85 P | Styrene | 50.000 | 45.384 | 9.2 | 103 | 0.00 |
| 86 P | Bromoform | 50.000 | 39.211 | 21.6# | 85 | 0.00 |
| 87 | 2-Chlorobenzotrifluoride | 50.000 | 45.069 | 9.9 | 102 | 0.00 |
| 88 P | Isopropylbenzene | 50.000 | 44.726 | 10.5 | 104 | 0.00 |
| 89 | Cyclohexanone | 1000.000 | 824.474 | 17.6 | 93 | 0.00 |
| 90 | trans-1,4-Dichloro-2-Butene | 50.000 | 41.369 | 17.3 | 93 | 0.00 |
| 91 i | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 92 P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.257 | 5.5 | 104 | 0.00 |
| 93 | Bromobenzene | 50.000 | 46.434 | 7.1 | 104 | 0.00 |
| 94 | 1,2,3-Trichloropropene | 50.000 | 44.429 | 11.1 | 101 | 0.00 |
| 95 | n-Propylbenzene | 50.000 | 46.176 | 7.6 | 104 | 0.00 |
| 96 | 2-Chlorotoluene | 50.000 | 46.079 | 7.8 | 105 | 0.00 |
| 97 | 3-Chlorotoluene | 50.000 | 43.238 | 13.5 | 97 | 0.00 |
| 98 | 4-Chlorotoluene | 50.000 | 44.601 | 10.8 | 102 | 0.00 |
| 99 | 1,3,5-Trimethylbenzene | 50.000 | 44.521 | 11.0 | 101 | 0.00 |
| 100 | tert-Butylbenzene | 50.000 | 44.969 | 10.1 | 104 | 0.00 |
| 101 | 1,2,4-Trimethylbenzene | 50.000 | 45.189 | 9.6 | 102 | 0.00 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 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-Dichlorobenzotrifluorid | 50.000 | 47.682 | 4.6 | 105 | 0.00 |
| 103 | sec-Butylbenzene | 50.000 | 45.289 | 9.4 | 105 | 0.00 |
| 104 | p-Isopropyltoluene | 50.000 | 46.666 | 6.7 | 105 | 0.00 |
| 105 P | 1,3-Dclbenz | 50.000 | 45.633 | 8.7 | 104 | 0.00 |
| 106 P | 1,4-Dclbenz | 50.000 | 45.522 | 9.0 | 103 | 0.00 |
| 107 | 2,4-Dichlorobenzotrifluorid | 50.000 | 47.621 | 4.8 | 103 | 0.00 |
| 108 | 2,5-Dichlorobenzotrifluorid | 50.000 | 48.472 | 3.1 | 105 | 0.00 |
| 109 | n-Butylbenzene | 50.000 | 47.137 | 5.7 | 103 | 0.00 |
| 110 P | 1,2-Dclbenz | 50.000 | 47.147 | 5.7 | 105 | 0.00 |
| 111 P | 1,2-Dibromo-3-chloropropane | 50.000 | 40.366 | 19.3 | 85 | 0.00 |
| 112 | Trielution Dichlorotoluene | 150.000 | 135.801 | 9.5 | 98 | 0.00 |
| 113 | 1,3,5-Trichlorobenzene | 50.000 | 47.064 | 5.9 | 101 | 0.00 |
| 114 | Coelution Dichlorotoluene | 100.000 | 91.451 | 8.5 | 96 | 0.00 |
| 115 P | 1,2,4-Tcbenzene | 50.000 | 49.399 | 1.2 | 107 | 0.00 |
| 116 | Hexachlorobt | 50.000 | 48.865 | 2.3 | 108 | 0.00 |
| 117 | Naphthalen | 50.000 | 50.337 | -0.7 | 104 | 0.00 |
| 118 | 1,2,3-Tclbenzene | 50.000 | 50.986 | -2.0 | 108 | 0.00 |
| 119 | 2,4,5-Trichlorotoluene | 50.000 | 48.822 | 2.4 | 100 | 0.00 |
| 120 | 2,3,6-Trichlorotoluene | 50.000 | 46.671 | 6.7 | 91 | 0.00 |

(#) = Out of Range

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|----------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.080 | 168 | 416119 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-Difluorobenzene | 6.245 | 114 | 587894 | 50.00 | ug/L | 0.00 | |
| 71) d5-Chlorobenzene | 9.622 | 117 | 528981 | 50.00 | ug/L | 0.00 | |
| 91) 1,4-Dichlorobenzene-d4 | 11.683 | 152 | 277679 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 45) surr4,Dibrflmethane | 4.922 | 113 | 189899 | 48.85 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 80 | - 116 | Recovery | = | 97.70% | |
| 48) surr1,1,2-dichloroetha... | 5.501 | 65 | 215919 | 48.47 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 73 | - 125 | Recovery | = | 96.94% | |
| 65) SURR3,Toluene-d8 | 8.104 | 98 | 715895 | 50.62 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 87 | - 121 | Recovery | = | 101.24% | |
| 70) SURR2,BFB | 10.707 | 95 | 253538 | 47.05 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range 85 | - 122 | Recovery | = | 94.10% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Chlorodifluoromethane | 1.099 | 51 | 126481 | 33.074 | ug/L | | 100 |
| 3) Dichlorodifluoromethane | 1.093 | 85 | 195598m | 40.942 | ug/L | | |
| 4) Chloromethane | 1.209 | 50 | 163837 | 44.763 | ug/L | | 93 |
| 5) Vinyl Chloride | 1.282 | 62 | 194964 | 42.502 | ug/L | | 96 |
| 6) Bromomethane | 1.496 | 94 | 130327 | 41.245 | ug/L | | 100 |
| 7) Chloroethane | 1.569 | 64 | 117721 | 38.785 | ug/L | | 97 |
| 8) Freon 21 | 1.709 | 67 | 258062 | 42.079 | ug/L | | 98 |
| 9) Trichlorofluoromethane | 1.752 | 101 | 247830 | 42.885 | ug/L | | 99 |
| 10) Diethyl Ether | 1.971 | 59 | 132123 | 46.448 | ug/L | | 98 |
| 11) Freon 123a | 1.971 | 67 | 155511 | 42.636 | ug/L | | 91 |
| 12) Freon 123 | 2.026 | 83 | 205114 | 45.165 | ug/L | | 98 |
| 13) Acrolein | 2.062 | 56 | 188631 | 303.373 | ug/L | | 99 |
| 14) 1,1-Dicethene | 2.142 | 96 | 136429 | 43.230 | ug/L | | 98 |
| 15) Freon 113 | 2.148 | 101 | 147623 | 42.675 | ug/L | | 100 |
| 16) Acetone | 2.191 | 43 | 73138 | 37.884 | ug/L | | 94 |
| 17) 2-Propanol | 2.319 | 45 | 240762 | 759.560 | ug/L | | 96 |
| 18) Iodomethane | 2.264 | 142 | 237654 | 48.862 | ug/L | | 95 |
| 19) Carbon Disulfide | 2.319 | 76 | 377185 | 40.240 | ug/L | | 98 |
| 20) Acetonitrile | 2.447 | 41 | 146735m | 222.226 | ug/L | | |
| 21) Allyl Chloride | 2.453 | 76 | 80991 | 45.293 | ug/L | | 96 |
| 22) Methyl Acetate | 2.483 | 43 | 184396 | 42.200 | ug/L | | 98 |
| 23) Methylene Chloride | 2.562 | 84 | 157511 | 44.752 | ug/L | | 100 |
| 24) TBA | 2.696 | 59 | 402066 | 723.557 | ug/L | | 94 |
| 25) Acrylonitrile | 2.812 | 53 | 371646 | 227.744 | ug/L | | 98 |
| 26) Methyl-t-Butyl Ether | 2.849 | 73 | 492753 | 43.966 | ug/L | | 100 |
| 27) trans-1,2-Dichloroethene | 2.837 | 96 | 155117 | 43.344 | ug/L | | 99 |
| 28) 1,1-Dicethane | 3.306 | 63 | 267035 | 46.991 | ug/L | | 97 |
| 29) Vinyl Acetate | 3.398 | 86 | 23573 | 43.637 | ug/L | | 96 |
| 30) DIPE | 3.422 | 45 | 457866 | 44.566 | ug/L | | 95 |
| 31) 2-Chloro-1,3-Butadiene | 3.416 | 53 | 230226 | 42.505 | ug/L | | 96 |
| 32) ETBE | 3.922 | 59 | 452593 | 42.441 | ug/L | | 99 |
| 33) 2,2-Dichloropropane | 4.080 | 77 | 223990 | 40.201 | ug/L | | 98 |
| 34) cis-1,2-Dichloroethene | 4.093 | 96 | 173846 | 44.311 | ug/L | | 95 |
| 35) 2-Butanone | 4.154 | 43 | 97228 | 42.623 | ug/L | | 98 |
| 36) Propionitrile | 4.233 | 54 | 148275 | 217.678 | ug/L | | 99 |
| 37) Bromochloromethane | 4.464 | 130 | 118787 | 46.205 | ug/L | | 96 |
| 38) Methacrylonitrile | 4.483 | 67 | 81164 | 44.879 | ug/L | | 97 |
| 39) Tetrahydrofuran | 4.562 | 42 | 56670 | 41.020 | ug/L | | 100 |
| 40) Chloroform | 4.635 | 83 | 276841 | 42.982 | ug/L | | 97 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|--------------------------------|--------|------|----------|----------|-------|-----------|
| 41) 1,1,1-Trichloroethane | 4.916 | 97 | 237866 | 40.624 | ug/L | 98 |
| 42) TAME | 5.842 | 73 | 441506 | 42.411 | ug/L | 97 |
| 44) Cyclohexane | 5.007 | 41 | 137912 | 43.752 | ug/L | 98 |
| 46) Carbontetrachloride | 5.214 | 117 | 203272 | 41.629 | ug/L | 98 |
| 47) 1,1-Dichloropropene | 5.233 | 75 | 199947 | 44.757 | ug/L | 98 |
| 49) Benzene | 5.574 | 78 | 606016 | 47.467 | ug/L | 100 |
| 50) 1,2-Dichloroethane | 5.629 | 62 | 228050 | 45.665 | ug/L | 98 |
| 51) Iso-Butyl Alcohol | 5.635 | 43 | 175825 | 832.031 | ug/L | 100 |
| 52) n-Heptane | 6.092 | 43 | 187544 | 40.925 | ug/L | 97 |
| 53) 1-Butanol | 6.647 | 56 | 267445 | 2007.235 | ug/L | 96 |
| 54) Trichloroethene | 6.574 | 130 | 176850 | 44.677 | ug/L | 98 |
| 55) Methylcyclohexane | 6.812 | 55 | 193557 | 44.013 | ug/L | 98 |
| 56) 1,2-Diclpropane | 6.866 | 63 | 157727 | 47.617 | ug/L | 98 |
| 57) Dibromomethane | 7.013 | 93 | 110548 | 45.444 | ug/L | 91 |
| 58) 1,4-Dioxane | 7.098 | 88 | 52597 | 854.738 | ug/L | 96 |
| 59) Methyl Methacrylate | 7.116 | 69 | 132383 | 44.003 | ug/L | 98 |
| 60) Bromodichloromethane | 7.251 | 83 | 208997 | 40.907 | ug/L | 99 |
| 61) 2-Nitropropane | 7.555 | 41 | 87827 | 67.665 | ug/L | 91 |
| 62) 2-Chloroethylvinyl Ether | 7.677 | 63 | 99702 | 46.975 | ug/L | 96 |
| 63) cis-1,3-Dichloropropene | 7.805 | 75 | 252453 | 44.276 | ug/L | 98 |
| 64) 4-Methyl-2-pentanone | 8.031 | 43 | 187482 | 44.346 | ug/L | 98 |
| 66) Toluene | 8.177 | 91 | 671136 | 46.166 | ug/L | 99 |
| 67) trans-1,3-Dichloropropene | 8.464 | 75 | 229274 | 43.467 | ug/L | 99 |
| 68) Ethyl Methacrylate | 8.610 | 69 | 240820 | 45.754 | ug/L | 97 |
| 69) 1,1,2-Trichloroethane | 8.653 | 97 | 158467 | 45.546 | ug/L | 97 |
| 72) Tetrachloroethene | 8.775 | 164 | 144284 | 44.938 | ug/L | 98 |
| 73) 2-Hexanone | 8.958 | 43 | 136963 | 43.356 | ug/L | 98 |
| 74) 1,3-Dichloropropene | 8.823 | 76 | 273762 | 48.187 | ug/L | 98 |
| 75) Dibromochloromethane | 9.049 | 129 | 177392 | 42.173 | ug/L | 100 |
| 76) N-Butyl Acetate | 9.116 | 43 | 277412 | 44.122 | ug/L | 98 |
| 77) 1,2-Dibromoethane | 9.147 | 107 | 172124 | 45.669 | ug/L | 98 |
| 78) 3-Chlorobenzotrifluoride | 9.677 | 180 | 264065 | 45.273 | ug/L | 97 |
| 79) Chlorobenzene | 9.646 | 112 | 456758 | 46.280 | ug/L | 100 |
| 80) 4-Chlorobenzotrifluoride | 9.732 | 180 | 236743 | 45.099 | ug/L | 97 |
| 81) 1,1,1,2-Tetrachloroethane | 9.738 | 131 | 169307 | 42.990 | ug/L | 98 |
| 82) Ethylbenzene | 9.768 | 106 | 230585 | 44.866 | ug/L | 98 |
| 83) (m+p)Xylene | 9.884 | 106 | 577433 | 89.940 | ug/L | 98 |
| 84) o-Xylene | 10.244 | 106 | 284623 | 45.136 | ug/L | 95 |
| 85) Styrene | 10.256 | 104 | 485086 | 45.384 | ug/L | 98 |
| 86) Bromoform | 10.409 | 173 | 125349 | 39.211 | ug/L | 99 |
| 87) 2-Chlorobenzotrifluoride | 10.494 | 180 | 256861 | 45.069 | ug/L | 97 |
| 88) Isopropylbenzene | 10.585 | 105 | 694423 | 44.726 | ug/L | 99 |
| 89) Cyclohexanone | 10.652 | 55 | 646862 | 824.474 | ug/L | 100 |
| 90) trans-1,4-Dichloro-2-B... | 10.902 | 53 | 63243 | 41.369 | ug/L | 92 |
| 92) 1,1,2,2-Tetrachloroethane | 10.854 | 83 | 232888 | 47.257 | ug/L | 99 |
| 93) Bromobenzene | 10.823 | 156 | 216841 | 46.434 | ug/L | 98 |
| 94) 1,2,3-Trichloropropene | 10.878 | 110 | 75758 | 44.429 | ug/L | 95 |
| 95) n-Propylbenzene | 10.939 | 91 | 850703 | 46.176 | ug/L | 100 |
| 96) 2-Chlorotoluene | 11.000 | 91 | 514226 | 46.079 | ug/L | 99 |
| 97) 3-Chlorotoluene | 11.055 | 91 | 494042 | 43.238 | ug/L | 99 |
| 98) 4-Chlorotoluene | 11.097 | 91 | 606458 | 44.601 | ug/L | 99 |
| 99) 1,3,5-Trimethylbenzene | 11.097 | 105 | 632590 | 44.521 | ug/L | 97 |
| 100) tert-Butylbenzene | 11.366 | 119 | 543244 | 44.969 | ug/L | 99 |
| 101) 1,2,4-Trimethylbenzene | 11.408 | 105 | 618432 | 45.189 | ug/L | 100 |
| 102) 3,4-Dichlorobenzotrifl... | 11.475 | 214 | 219379 | 47.682 | ug/L | 96 |
| 103) sec-Butylbenzene | 11.549 | 105 | 782345 | 45.289 | ug/L | 99 |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

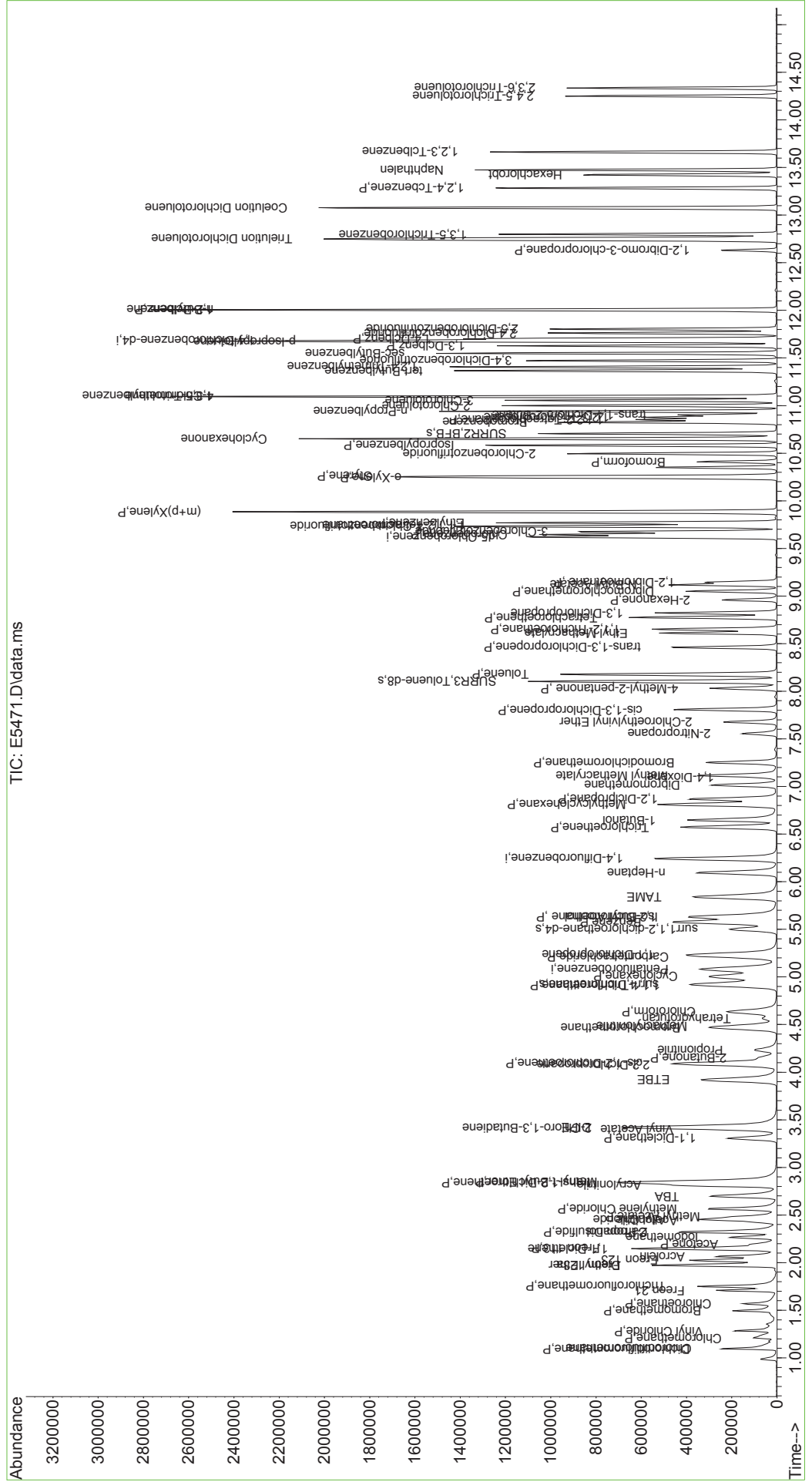
Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 104) p-Isopropyltoluene | 11.671 | 119 | 707829 | 46.666 | ug/L | 98 |
| 105) 1,3-Dclbenz | 11.628 | 146 | 386387 | 45.633 | ug/L | 98 |
| 106) 1,4-Dclbenz | 11.701 | 146 | 394487 | 45.522 | ug/L | 99 |
| 107) 2,4-Dichlorobenzotrifl... | 11.762 | 214 | 196188 | 47.621 | ug/L | 98 |
| 108) 2,5-Dichlorobenzotrifl... | 11.805 | 214 | 221232 | 48.472 | ug/L | 97 |
| 109) n-Butylbenzene | 12.006 | 91 | 614361 | 47.137 | ug/L | 100 |
| 110) 1,2-Dclbenz | 12.006 | 146 | 390986 | 47.147 | ug/L | 100 |
| 111) 1,2-Dibromo-3-chloropr... | 12.634 | 157 | 54931 | 40.366 | ug/L | 97 |
| 112) Trielution Dichlorotol... | 12.750 | 125 | 961847 | 135.801 | ug/L | 97 |
| 113) 1,3,5-Trichlorobenzene | 12.798 | 180 | 292896 | 47.064 | ug/L | 97 |
| 114) Coelution Dichlorotoluene | 13.079 | 125 | 684634 | 91.451 | ug/L | 93 |
| 115) 1,2,4-Tcbenzene | 13.286 | 180 | 310008 | 49.399 | ug/L | 100 |
| 116) Hexachlorobt | 13.426 | 225 | 138123 | 48.865 | ug/L | 98 |
| 117) Naphthalen | 13.475 | 128 | 783432 | 50.337 | ug/L | 99 |
| 118) 1,2,3-Tclbenzene | 13.664 | 180 | 310018 | 50.986 | ug/L | 98 |
| 119) 2,4,5-Trichlorotoluene | 14.249 | 159 | 193415 | 48.822 | ug/L | 97 |
| 120) 2,3,6-Trichlorotoluene | 14.335 | 159 | 172744 | 46.671 | ug/L | 97 |

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5471.D
 Acq On : 14 Sep 2023 12:05 pm
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

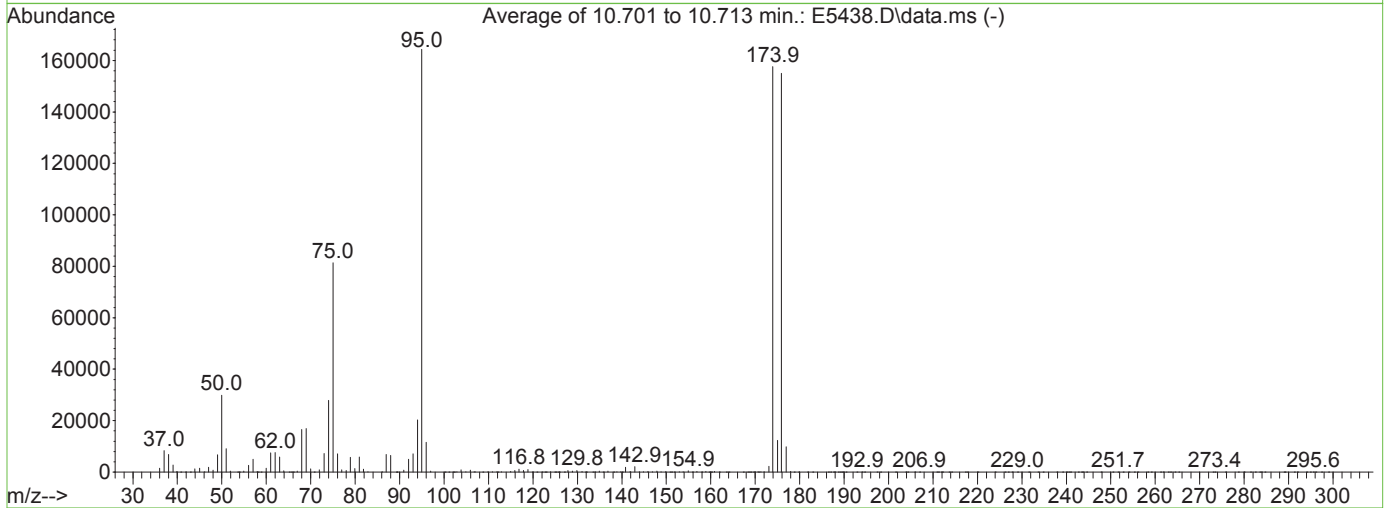
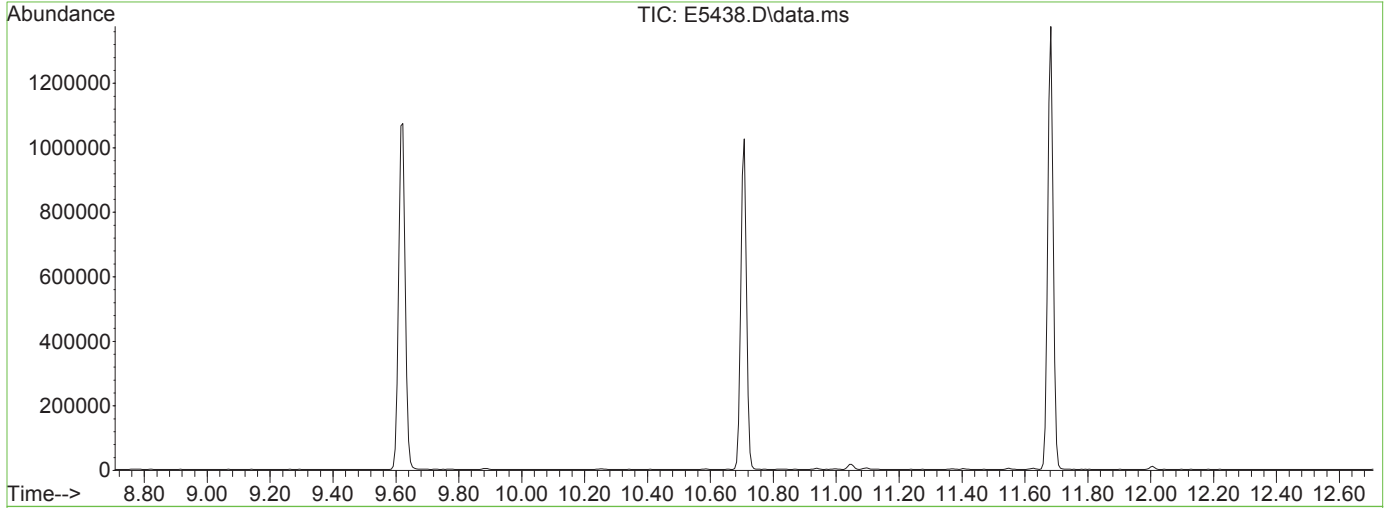
Quant Time: Sep 14 12:20:57 2023
 Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Quant Title : MS#17 - 8260 WATERS 5mL Purge
 QLast Update : Sat Aug 05 10:36:43 2023
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA17\Data\091323\
 Data File : E5438.D
 Acq On : 13 Sep 2023 10:47 pm
 Operator : K.Ruest
 Sample : TUNE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Title : MS#17 - 8260 WATERS 5mL Purge
 Last Update : Sat Aug 05 10:36:43 2023



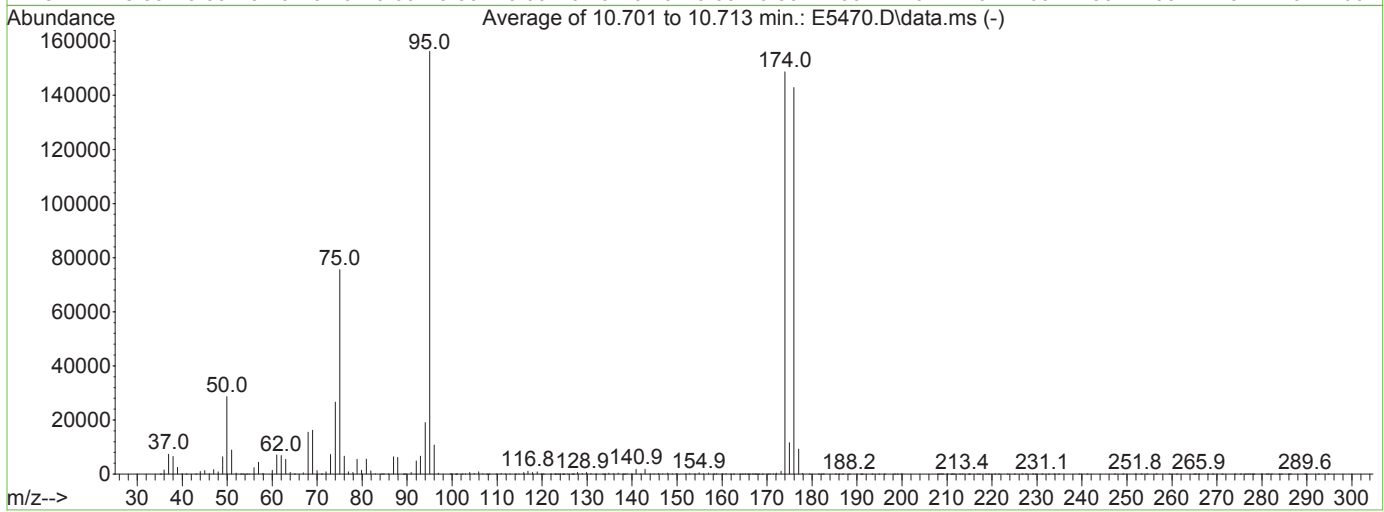
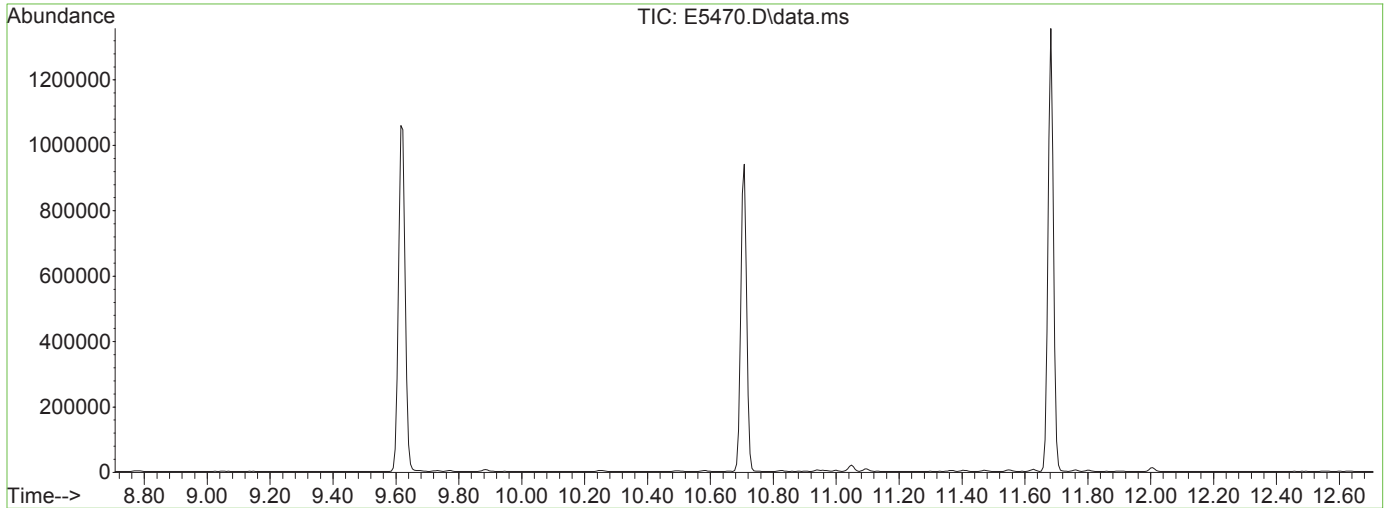
AutoFind: Scans 1659, 1660, 1661; Background Corrected with Scan 1653

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.2 | 29882 | PASS |
| 75 | 95 | 30 | 60 | 49.5 | 81416 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 164321 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 11577 | PASS |
| 173 | 174 | 0.00 | 2 | 1.4 | 2194 | PASS |
| 174 | 95 | 50 | 120 | 95.9 | 157577 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 12354 | PASS |
| 176 | 174 | 95 | 101 | 98.3 | 154944 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 9842 | PASS |

Data Path : I:\ACQUDATA\MSVOA17\Data\091423\
 Data File : E5470.D
 Acq On : 14 Sep 2023 11:30 am
 Operator : K.Ruest
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
 Title : MS#17 - 8260 WATERS 5mL Purge
 Last Update : Sat Aug 05 10:36:43 2023



AutoFind: Scans 1659, 1660, 1661; Background Corrected with Scan 1653

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.3 | 28644 | PASS |
| 75 | 95 | 30 | 60 | 48.4 | 75555 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 156256 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 10739 | PASS |
| 173 | 174 | 0.00 | 2 | 0.8 | 1126 | PASS |
| 174 | 95 | 50 | 120 | 95.1 | 148653 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 11636 | PASS |
| 176 | 174 | 95 | 101 | 96.2 | 142939 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 9202 | PASS |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|---|------------------|
| 01 | RC2300106-01 | 0.5ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4259.D | 08/04/2023 16:24 |
| 02 | RC2300106-02 | 1.0ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4260.D | 08/04/2023 16:47 |
| 03 | RC2300106-03 | 2.0ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4261.D | 08/04/2023 17:10 |
| 04 | RC2300106-04 | 5.0ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4262.D | 08/04/2023 17:32 |
| 05 | RC2300106-05 | 20ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4263.D | 08/04/2023 17:56 |
| 06 | RC2300106-06 | 50ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4264.D | 08/04/2023 18:19 |
| 07 | RC2300106-07 | 100ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4265.D | 08/04/2023 18:42 |
| 08 | RC2300106-08 | 150ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4266.D | 08/04/2023 19:05 |
| 09 | RC2300106-09 | 200ppb | I:\ACQUDATA\MSVOA17\Data\080423\E4267.D | 08/04/2023 19:28 |

Analyte

1,1,1-Trichloroethane (TCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.7664 | 02 | 1.000 | 0.7547 | 03 | 2.000 | 0.7739 | 04 | 5.000 | 0.7454 |
| 05 | 20.000 | 0.5893 | 06 | 50.000 | 0.6468 | 07 | 100.000 | 0.6948 | 08 | 150.000 | 0.6999 |
| 09 | 200.000 | 0.661 | | | | | | | | | |

1,1-Dichloroethane (1,1-DCA)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.6869 | 02 | 1.000 | 0.7315 | 03 | 2.000 | 0.7302 | 04 | 5.000 | 0.7164 |
| 05 | 20.000 | 0.6146 | 06 | 50.000 | 0.6476 | 07 | 100.000 | 0.6773 | 08 | 150.000 | 0.6855 |
| 09 | 200.000 | 0.6554 | | | | | | | | | |

1,1-Dichloroethene (1,1-DCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.4615 | 02 | 1.000 | 0.4135 | 03 | 2.000 | 0.3989 | 04 | 5.000 | 0.3859 |
| 05 | 20.000 | 0.3187 | 06 | 50.000 | 0.3378 | 07 | 100.000 | 0.3654 | 08 | 150.000 | 0.3744 |
| 09 | 200.000 | 0.3567 | | | | | | | | | |

4-Bromofluorobenzene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.4697 | 05 | 20.000 | 0.4053 | 06 | 50.000 | 0.4523 | 07 | 100.000 | 0.4877 |
| 08 | 200.000 | 0.4763 | | | | | | | | | |

Dibromofluoromethane

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|--------|--------|----|---------|--------|
| 04 | 10.000 | 0.3464 | 05 | 20.000 | 0.3003 | 06 | 50.000 | 0.3376 | 07 | 100.000 | 0.3444 |
| 08 | 200.000 | 0.3246 | | | | | | | | | |

Tetrachloroethene (PCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.3473 | 02 | 1.000 | 0.3729 | 03 | 2.000 | 0.3207 | 04 | 5.000 | 0.3203 |
| 05 | 20.000 | 0.2381 | 06 | 50.000 | 0.2612 | 07 | 100.000 | 0.2873 | 08 | 150.000 | 0.2872 |
| 09 | 200.000 | 0.2964 | | | | | | | | | |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

Analyte

Toluene-d8

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|-------|----|--------|-------|----|--------|-------|----|---------|-------|
| 04 | 10.000 | 1.273 | 05 | 20.000 | 1.088 | 06 | 50.000 | 1.211 | 07 | 100.000 | 1.246 |
| 08 | 200.000 | 1.196 | | | | | | | | | |

Trichloroethene (TCE)

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.4006 | 02 | 1.000 | 0.3725 | 03 | 2.000 | 0.3482 | 04 | 5.000 | 0.3522 |
| 05 | 20.000 | 0.2765 | 06 | 50.000 | 0.3056 | 07 | 100.000 | 0.3259 | 08 | 150.000 | 0.3279 |
| 09 | 200.000 | 0.3206 | | | | | | | | | |

Vinyl Chloride

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.7342 | 02 | 1.000 | 0.5681 | 03 | 2.000 | 0.5514 | 04 | 5.000 | 0.5657 |
| 05 | 20.000 | 0.4852 | 06 | 50.000 | 0.5039 | 07 | 100.000 | 0.5254 | 08 | 150.000 | 0.5122 |
| 09 | 200.000 | 0.5146 | | | | | | | | | |

cis-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.5419 | 02 | 1.000 | 0.5098 | 03 | 2.000 | 0.5189 | 04 | 5.000 | 0.4948 |
| 05 | 20.000 | 0.4126 | 06 | 50.000 | 0.4286 | 07 | 100.000 | 0.4475 | 08 | 150.000 | 0.4532 |
| 09 | 200.000 | 0.4355 | | | | | | | | | |

trans-1,2-Dichloroethene

| # | Amount | RF | # | Amount | RF | # | Amount | RF | # | Amount | RF |
|----|---------|--------|----|--------|--------|----|---------|--------|----|---------|--------|
| 01 | 0.500 | 0.5467 | 02 | 1.000 | 0.5006 | 03 | 2.000 | 0.4347 | 04 | 5.000 | 0.4394 |
| 05 | 20.000 | 0.352 | 06 | 50.000 | 0.3772 | 07 | 100.000 | 0.4048 | 08 | 150.000 | 0.4142 |
| 09 | 200.000 | 0.4004 | | | | | | | | | |

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

| 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 | 8.9 | ≤20 | 0.7036 | 0.100 |
| 1,1-Dichloroethane (1,1-DCA) | TRG | Average RF | % RSD | 5.8 | ≤20 | 0.6828 | 0.200 |
| 1,1-Dichloroethene (1,1-DCE) | TRG | Average RF | % RSD | 11.2 | ≤20 | 0.3792 | 0.100 |
| 4-Bromofluorobenzene | SURR | Average RF | % RSD | 7.0 | ≤20 | 0.4583 | |
| Dibromofluoromethane | SURR | Average RF | % RSD | 5.8 | ≤20 | 0.3307 | |
| Tetrachloroethene (PCE) | TRG | Average RF | % RSD | 13.8 | ≤20 | 0.3035 | 0.200 |
| Toluene-d8 | SURR | Average RF | % RSD | 5.9 | ≤20 | 1.203 | |
| Trichloroethene (TCE) | TRG | Average RF | % RSD | 10.9 | ≤20 | 0.3367 | 0.200 |
| Vinyl Chloride | TRG | Average RF | % RSD | 13.5 | ≤20 | 0.5512 | 0.100 |
| cis-1,2-Dichloroethene | TRG | Average RF | % RSD | 9.7 | ≤20 | 0.4714 | 0.100 |
| trans-1,2-Dichloroethene | TRG | Average RF | % RSD | 14.1 | ≤20 | 0.43 | 0.100 |

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2308315
Calibration Date: 8/4/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2300106
Instrument ID: R-MS-17

Signal ID: 1

| # | Lab Code | Sample Name | File Location | Acquisition Date |
|----|--------------|-------------|--|------------------|
| 10 | RC2300106-10 | ICV-50 | I:\ACQDATA\MSVOA17\Data\080423\E4271.D | 08/04/2023 21:00 |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|----------|--------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 50.2 | 7.036E-1 | 7.068E-1 | 0.466 | ±30 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 50.8 | 6.828E-1 | 6.935E-1 | 1.56 | ±30 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 48.6 | 3.792E-1 | 3.687E-1 | -2.763 | ±30 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 50.2 | 3.035E-1 | 3.046E-1 | 0.367 | ±30 | Average RF |
| Trichloroethene (TCE) | 50.0 | 51.3 | 3.367E-1 | 3.454E-1 | 2.59 | ±30 | Average RF |
| Vinyl Chloride | 50.0 | 45.0 | 5.512E-1 | 4.964E-1 | -9.943 | ±30 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 49.0 | 4.714E-1 | 4.621E-1 | -1.981 | ±30 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 48.5 | 4.3E-1 | 4.174E-1 | -2.935 | ±30 | Average RF |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|----------------------|----------|--------|------------|----------|-------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 50.6 | 4.583E-1 | 4.635E-1 | 1.14 | ±30 | Average RF |
| Dibromofluoromethane | 50.0 | 51.1 | 3.307E-1 | 3.377E-1 | 2.13 | ±30 | Average RF |
| Toluene-d8 | 50.0 | 50.4 | 1.203E0 | 1.212E0 | 0.733 | ±30 | Average RF |

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

Service Request: R2308315
Date Analyzed: 09/13/23 23:10

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA17\Data\091323\E5439.D\
Signal ID: 1

Calibration Date: 8/4/2023
Calibration ID: RC2300106
Analysis Lot: 817084
Units: ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|--------|--------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 38.4 | 0.7036 | 0.5404 | -23.2* | NA | ±20 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 44.2 | 0.6828 | 0.6037 | -11.6 | NA | ±20 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 40.7 | 0.3792 | 0.3087 | -18.6 | NA | ±20 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 41.5 | 0.3035 | 0.2518 | -17.0 | NA | ±20 | Average RF |
| Trichloroethene (TCE) | 50.0 | 44.4 | 0.3367 | 0.2986 | -11.3 | NA | ±20 | Average RF |
| Vinyl Chloride | 50.0 | 40.4 | 0.5512 | 0.4452 | -19.2 | NA | ±20 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 42.0 | 0.4714 | 0.3961 | -16.0 | NA | ±20 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 40.6 | 0.43 | 0.3493 | -18.8 | NA | ±20 | Average RF |

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|----------------------|----------|--------|------------|--------|-----|---------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 50.4 | 0.4583 | 0.462 | 0.8 | NA | ±20 | Average RF |
| Dibromofluoromethane | 50.0 | 50.1 | 0.3307 | 0.3316 | 0.3 | NA | ±20 | Average RF |
| Toluene-d8 | 50.0 | 52.0 | 1.2028 | 1.2512 | 4.0 | NA | ±20 | Average RF |

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

Service Request: R2308315
Date Analyzed: 09/14/23 12:05

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA17\Data\091423\E5471.D\
Signal ID: 1

Calibration Date: 8/4/2023
Calibration ID: RC2300106
Analysis Lot: 817204
Units: ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|------------------------------|----------|--------|------------|--------|-------|---------|----------|------------|
| 1,1,1-Trichloroethane (TCA) | 50.0 | 40.6 | 0.7036 | 0.5716 | -18.8 | NA | ±20 | Average RF |
| 1,1-Dichloroethane (1,1-DCA) | 50.0 | 47.0 | 0.6828 | 0.6417 | -6.0 | NA | ±20 | Average RF |
| 1,1-Dichloroethene (1,1-DCE) | 50.0 | 43.2 | 0.3792 | 0.3279 | -13.5 | NA | ±20 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 44.9 | 0.3035 | 0.2728 | -10.1 | NA | ±20 | Average RF |
| Trichloroethene (TCE) | 50.0 | 44.7 | 0.3367 | 0.3008 | -10.6 | NA | ±20 | Average RF |
| Vinyl Chloride | 50.0 | 42.5 | 0.5512 | 0.4685 | -15.0 | NA | ±20 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 44.3 | 0.4714 | 0.4178 | -11.4 | NA | ±20 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 43.3 | 0.43 | 0.3728 | -13.3 | NA | ±20 | Average RF |

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|----------------------|----------|--------|------------|--------|------|---------|----------|------------|
| 4-Bromofluorobenzene | 50.0 | 47.1 | 0.4583 | 0.4313 | -5.9 | NA | ±20 | Average RF |
| Dibromofluoromethane | 50.0 | 48.9 | 0.3307 | 0.323 | -2.3 | NA | ±20 | Average RF |
| Toluene-d8 | 50.0 | 50.6 | 1.2028 | 1.2177 | 1.2 | NA | ±20 | Average RF |

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

Service Request:R2308315

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:817084
Instrument ID:R-MS-17

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|--|-------------------------------------|--------------|---------------|---------------|---|
| I:\ACQUDATA\MSVOA17\Data\091323\E5438.D\ | ZZZZZZZ | ZZZZZZZ | 9/13/2023 | 22:47:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5439.D\ | Continuing Calibration Verification | RQ2311920-02 | 9/13/2023 | 23:10:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5440.D\ | ZZZZZZZ | ZZZZZZZ | 9/13/2023 | 23:33:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5441.D\ | Lab Control Sample | RQ2311920-04 | 9/13/2023 | 23:56:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5443.D\ | Method Blank | RQ2311920-05 | 9/14/2023 | 00:42:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5444.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 01:05:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5445.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 01:28:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5446.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 01:51:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5447.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 02:14:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5448.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 02:37:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5449.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 03:00:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5450.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 03:23:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5451.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 03:46:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5452.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 04:09:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5453.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 04:32:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5454.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 04:55:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5455.D\ | MW9-091123 | R2308315-005 | 9/14/2023 | 05:18:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5460.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 07:13:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5461.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 07:36:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5462.D\ | MW16-091123 | R2308315-006 | 9/14/2023 | 07:59:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5463.D\ | MW11-091123 | R2308315-010 | 9/14/2023 | 08:22:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5466.D\ | MW16-091123 MS | RQ2311920-07 | 9/14/2023 | 09:31:00 | |
| I:\ACQUDATA\MSVOA17\Data\091323\E5467.D\ | MW16-091123 DMS | RQ2311920-08 | 9/14/2023 | 09:54:00 | |

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

Service Request:R2308315

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:817204
Instrument ID:R-MS-17

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|---|-------------------------------------|--------------|---------------|---------------|---|
| I:\ACQU\DATA\MSVOA17\Data\091423\E5470.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 11:30:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5471.D\ | Continuing Calibration Verification | RQ2311983-02 | 9/14/2023 | 12:05:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5472.D\ | Lab Control Sample | RQ2311983-03 | 9/14/2023 | 12:37:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5473.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 13:00:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5475.D\ | Method Blank | RQ2311983-05 | 9/14/2023 | 13:46:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5476.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 14:09:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5477.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 15:05:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5478.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 15:28:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5479.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 15:51:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5480.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 16:14:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5481.D\ | MW17-091123 | R2308315-008 | 9/14/2023 | 16:37:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5483.D\ | MW8-091123 | R2308315-009 | 9/14/2023 | 17:23:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5484.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 17:46:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5486.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 18:32:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5487.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 18:55:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5488.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 19:18:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5489.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 19:41:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5490.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 20:04:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5491.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 20:27:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5492.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 20:50:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5494.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 21:36:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5495.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 21:59:00 | |
| I:\ACQU\DATA\MSVOA17\Data\091423\E5496.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 22:22:00 | |

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

Service Request:R2308315

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:817204
Instrument ID:R-MS-17

| Raw Data File | Sample Name | Lab Code | Date Analyzed | Time Analyzed | Q |
|--|--------------------|-----------------|----------------------|----------------------|----------|
| I:\ACQUDATA\MSVOA17\Data\091423\E5497.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 22:45:00 | |
| I:\ACQUDATA\MSVOA17\Data\091423\E5498.D\ | DUP-091123 | R2308315-011 | 9/14/2023 | 23:08:00 | |
| I:\ACQUDATA\MSVOA17\Data\091423\E5499.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 23:31:00 | |
| I:\ACQUDATA\MSVOA17\Data\091423\E5500.D\ | ZZZZZZZ | ZZZZZZZ | 9/14/2023 | 23:54:00 | |

Analysis: 8260 water Analyst: Y. West pH strips: 23072 Tune Method: W060128
 Date: 9/13/23 - Run #2 Balance ID: 2/A ResCl strips: 2/A Run Method: 2
 Instr. 17 50 mL Class A used for dilution FV Syringes: 23174 LIMS Run#: 817084

| Pos. | Sample | Diln. | Diln. Prep./ | RL | Vial | HS | CI | pH | File# | OK? | Comments |
|------|--------------|-------|--------------|----|------|----|----|----|-------|-----|----------------------------|
| 28 | RLC | | | | | | | | ES437 | Y | |
| 29 | TUNE | | | | | | | | ES438 | Y | 22:47 (cont) |
| 30 | CV | | DD231920.01 | | | | | | ES439 | Y | YC (cont) |
| 31 | LES-HP | | | | | | | | ES440 | Y | YQ (cont) |
| 32 | LES-wmp | | | | | | | | ES441 | Y | |
| 33 | RLC | | | | | | | | ES442 | Y | |
| 34 | MBLW-wmp | | | | | | | | ES443 | Y | AP10 |
| 35 | MBLW-AD | | | | | | | | ES444 | Y | |
| 36 | P2308174.006 | 1.0 | | | | | | | ES445 | Y | |
| 37 | P2308505.001 | 1.0 | | | | | | | ES446 | Y | |
| 38 | | 1.0 | | | | | | | ES447 | Y | |
| 39 | | 1.0 | | | | | | | ES448 | Y | |
| 40 | | 1.0 | | | | | | | ES449 | Y | |
| 41 | | 1.0 | | | | | | | ES450 | Y | |
| 42 | | 1.0 | | | | | | | ES451 | Y | |
| 43 | | 1.0 | | | | | | | ES452 | Y | |
| 44 | | 1.0 | | | | | | | ES453 | Y | |
| 45 | | 1.0 | | | | | | | ES454 | Y | |
| 46 | P2308315.005 | 1.0 | | | | | | | ES455 | Y | |
| 47 | | 1.0 | | | | | | | ES456 | Y | 11TFA/H 2 vial comp.) |
| 48 | | 1.0 | | | | | | | ES457 | Y | rpt (2) |
| 49 | | 1.0 | | | | | | | ES458 | Y | 11TFA + TCE (out LLS (CW)) |
| 50 | | 1.0 | | | | | | | ES459 | Y | |
| 51 | | 1.0 | | | | | | | ES460 | Y | |
| 52 | | 1.0 | | | | | | | ES461 | Y | |
| 53 | | 1.0 | | | | | | | ES462 | Y | |
| 54 | | 1.0 | | | | | | | ES463 | Y | |
| 55 | RLC | | | | | | | | ES464 | Y | |
| 56 | P2308072.001 | 1.0 | | | | | | | ES465 | Y | ndt ID LTCE w/1 |
| 57 | P2308215.006 | 1.0 | | | | | | | ES466 | Y | purge |
| 58 | | 1.0 | | | | | | | ES467 | Y | |
| 59 | RLC | | | | | | | | ES468 | Y | |

All samples = 5 ml + 5 ul combined IS/ 5 ml purged

Primary OC: 231254
 Primary FC: 231173
 Primary TB: 230908
 Primary HX: 231208

Secondary FC: 230895
 Secondary OC: 231895
 Secondary HX: 231086
 Secondary TB: 231209

Combined IS/Surr: 230971
 Surrogate (D): 230973
 Internal Std (D): 230973
 Reagents:

1000 uL
 = LLS
 - 4.3 uL / 1 uL vial
 = ms/D

Analysis: 5260 Waters Analyst: W. West pH strips: 288222
 Date: 9/14/23 Balance ID: N/A ResCl strips: N/A Run Method: W080423
 Instr: 17 50 mL Class A used for dilution FV Syringes: 231774 LIMS Run#: 817204

Data Path: j:\acquadat\msvoa\InstID\Date

| Pos. | Sample | Diln. | Diln. Prepr | RL | Vial | HS | CI | pH | File# | OK? | Comments |
|------|---------------|-------|-----------------------|----|------|----|----|----|-------|-----|--------------------------------------|
| 1 | SPONT CER | | | | | | | | ES409 | | |
| 2 | TUNE | | P0331983.01 | | | | | | ES470 | Y | (new sparge) (11:30) |
| 1 | CER | | | | | | | | ES471 | YC | + YF (12:05) (12:05) (12:05) (12:05) |
| 1 | LC5.UMP | | | | | | | | ES472 | YR | |
| 2 | LC5.FP | | | | | | | | ES473 | YR | |
| 3 | BVL | | | | | | | | ES474 | YR | |
| 4 | MULTI-UMP | | | | | | | | ES475 | YR | |
| 5 | MULTI-MAR | | | | | | | | ES476 | YR | |
| 1 | P2308315.001 | 1:0 | | | | | | | ES477 | Y | |
| 2 | | 012 | | | | | | | ES478 | Y | |
| 3 | | 007 | | | | | | | ES479 | Y | |
| 4 | | 002 | | | | | | | ES480 | Y | |
| 5 | (P) 008 | 010 | | | | | | | ES481 | Y | |
| 6 | | 011 | | | | | | | ES482 | Y | |
| 7 | | 009 | 25/50mls | | | | | | ES483 | Y | |
| 8 | P2308357.001 | 1:0 | (5/50mls) P030607.001 | | | | | | ES484 | Y | |
| 9 | BVL | | | | | | | | ES485 | Y | |
| 10 | P23062402.010 | 1:0 | | | | | | | ES486 | Y | |
| 11 | | 019 | | | | | | | ES487 | Y | |
| 12 | | 005 | 25 | | | | | | ES488 | Y | |
| 13 | | 008 | 100 | | | | | | ES489 | Y | |
| 14 | | 009 | 100 | | | | | | ES490 | Y | |
| 15 | | 017 | 10 | | | | | | ES491 | Y | |
| 16 | | 016 | 25 | | | | | | ES492 | Y | |
| 17 | BVL | | | | | | | | ES493 | Y | |
| 18 | P23082400.002 | 1:0 | | | | | | | ES494 | Y | |
| 19 | | 004 | | | | | | | ES495 | Y | |
| 20 | | 005 | 1:0 | | | | | | ES496 | Y | |
| 21 | | 001 | 5:0 | | | | | | ES497 | Y | |
| 22 | P2308315.011 | 1:0 | | | | | | | ES498 | Y | |
| 23 | P23082403.017 | 1:0 | | | | | | | ES499 | Y | |
| 24 | | 017 | 1:0 | | | | | | ES500 | Y | |

All samples = 5 mL + 5 mL combined IS/

5 mL purged

810.8ul

Combined IS/Surr: 230971

520 Primary OC: 231254

Primary FR: 231173

Primary T6: 230908

Primary W4: 231248

Primary R2b: 230450

Secondary OC: 231245

Secondary FR: 231088

Secondary T6: 231809

Secondary W4: 230451

Secondary R2b: 230973

Secondary T6: 231809

Secondary R2b: 230973

520 Primary OC: 231254

Primary FR: 231173

Primary T6: 230908

Primary W4: 231248

Primary R2b: 230450

Secondary OC: 231245

Secondary FR: 231088

Secondary T6: 231809

Secondary W4: 230451

Secondary R2b: 230973

Secondary T6: 231809

Secondary R2b: 230973

25) BVL

ES502

ES501

ES502

ES501

ES502

ES501

ES502

ES501

ES502

ES501

ES502

Appendix D



ACTIVE SUB-SLAB DEPRESSURIZATION (ASD) SYSTEM INSPECTION LOG
Former Dover Electronics Site, Binghamton, NY (5101.0003)

| Date | Time | System On? (Y/N) | Vacuum Gauge Reading (inch w.c.) | | | | Comments |
|------------|-------|------------------|----------------------------------|------|------|------|----------------|
| | | | E-1 | E-2 | E-3 | E-4 | |
| 1/16/2023 | 13:45 | Y | 2.50 | 1.75 | 1.75 | 1.00 | Guided by Eric |
| 2/13/2023 | 14:00 | Y | 2.25 | 1.75 | 1.50 | 1.00 | |
| 3/20/2023 | 14:35 | Y | 2.50 | 2.00 | 1.00 | 1.75 | Guided by Andy |
| 4/24/2023 | 14:15 | Y | 2.50 | 2.00 | 1.00 | 1.50 | Guided by Eric |
| 5/22/2023 | 15:09 | Y | 2.50 | 2.00 | 1.00 | 1.50 | |
| 6/12/2023 | 14:30 | Y | 2.50 | 2.00 | 1.00 | 1.50 | |
| 7/17/2023 | 15:15 | Y | 2.50 | 2.00 | 1.00 | 1.50 | |
| 8/21/2023 | 14:50 | Y | 2.50 | 2.00 | 1.25 | 1.50 | Guided by Joe |
| 9/19/2023 | 13:45 | Y | 2.50 | 2.00 | 1.00 | 1.50 | Guided by Joe |
| 10/16/2023 | 14:35 | Y | 2.50 | 2.00 | 1.00 | 1.50 | Guided by Joe |
| 11/14/2023 | 10:25 | Y | 2.50 | 2.00 | 1.00 | 1.50 | Guided by Eric |
| 12/11/2023 | 13:50 | Y | 2.50 | 2.00 | 1.00 | 1.50 | Guided by Eric |