



2022 PERIODIC REVIEW REPORT

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



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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 2022 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 2022 include:

- Semi-annual groundwater monitoring and sampling;
- Monthly monitoring of the Active Sub-Slab Depressurization (ASD) System; and
- Soil gas sampling near the neighboring property as directed by NYSDEC.

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.

2022 GROUNDWATER REMEDIATION AND MONITORING PROGRAM

GROUNDWATER REMEDIATION

As per NYSDEC request, VERINA reinstated a ISCO remediation program at the site in 2022 via manual injections. Starting in March 2022, 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. In March 2022, a total of 50 gallons was injected into the six monitoring wells. Then, every month thereafter, each of the wells was assessed for their water color prior to injections. 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 total of 5 gallons were injected into each well with a clear water color during the subsequent injection events in 2022. A total of 160 gallons of ISCO injection solution were injected at the site in 2022. The monthly manual injection log is provided in Appendix A.

GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring events were conducted semi-annually in 2022 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 9, 2022 and the second groundwater sampling event was conducted on Sept 12th and 13th.

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 Solinst® brand laser-marked water level meter equipped with a stainless steel probe and measuring tape graduated in units of 0.01 foot. Groundwater elevation measurements from March 2022 and September 2022 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 2022 event and on Figure 4 for the September 2022 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 2022. In addition to these wells, monitoring wells DMW-3, MW-11, and MW-13 were also included during the September 2021 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 YSI® 600XL or 556 water quality instrument coupled with a flow-through cell. In addition to measuring field parameters, the purged groundwater from each well was visually inspected for the presence of a purple or pink color, which would indicate the presence of un-reacted permanganate within the groundwater. A change in color of the water in the wells from dark purple to light pink (i.e., > visual concentration

of 0.5 milligrams per liter [mg/L]) or clear (i.e., < visual concentration of 0.5 mg/L) indicates that the permanganate would have been consumed, diluted, or transported with groundwater.

Groundwater samples from monitoring wells that exhibited residual permanganate, as indicated by a pink or purple color of the purge water, were collected in laboratory-provided unpreserved vials pre-charged in the field with sodium thiosulfate. The sodium thiosulfate was added to neutralize the residual permanganate in the groundwater sample as it may influence the performance of the laboratory's analytical instruments. During the March 2022 sampling event, monitoring well MW-16 exhibited residual permanganate and monitoring wells MW-8, MW-11, and MW-16 exhibited residual permanganate during the September 2022 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 2022 are summarized in Tables 1 and 2, respectively. The groundwater elevation contour map for the March and September 2022 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 2022 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 2020 and September 2021 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 2021 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 2022 semi-annual groundwater monitoring events, VERINA makes the following conclusions:

- In comparing the September 2022 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 97% mass reduction of COCs in groundwater was estimated since the ISCO injection was implemented in 2009.
- In comparing the September 2021 and September 2022 contaminant concentrations, 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-10, MW-16 and MW-17 during the March 2022 sampling event. These COCs consist of 1,1-DCA, 1,1-DCE, cis-1,2-DCE, Vinyl Chloride, 1,1,1-TCA and/or TCE.
- Several COCs were detected above their respective NYSDEC groundwater quality standards in wells MW-8, MW-9, MW-10, MW-16 and MW-17 during the September 2022 sampling event. These COCs consist of 1,1-DCA, cis-1,2-DCE, 1,1,1-TCA, and/or TCE.
- PCE was not detected above its NYSDEC groundwater quality standard in any of the monitoring wells sampled in 2022.
- The resuming of sodium permanganate injections in March 2022 reduced the residual COC concentrations at the site when compared September 2021 and September 2022 sampling results.
- The COCs continue to be remediated at the site and following 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 being conducted unless changes or modifications to the ASD system and/or to the building are identified during the monthly ASD system inspections in the January 2014 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 operated 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 2022, monthly inspections of the ASD system were implemented. No structural changes were noted in 2022 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.

SOIL VAPOR INTRUSION EVALUATION

The NYSDEC, in consultation with the New York State Department of Health (NYSDOH), developed a strategy for “Evaluating the Potential for Vapor Intrusion at Past, Current and Future Sites” in the State of New York”. As part of the strategy and at the request of NYSDEC, VERINA conducted soil gas sampling at four historic soil gas sampling locations, SG-7 through SG-10, within the right-of-way on the western side of Chambers Street in December 2022. The purpose of the sampling was to assess if the Site groundwater plume was potentially impacting the off-site, McIntosh Labs property, and to compare the current soil gas concentrations to the historic samples collected in 2009. The soil gas sampling activities and results are discussed below. The soil gas sampling locations and analytical results are summarized in Figure 8.

SOIL GAS SAMPLING ACTIVITIES

The soil gas sampling activity at former soil gas sampling locations SG-7 through SG-10 occurred on December 20, 2022. The soil gas sampling probes consisted of a 6” stainless steel screen attached to Teflon-lined tubing. Each probe was installed via the direct push method by Parratt-Wolff, Inc. of Lewisburg, Pennsylvania under the direct supervision of VERINA personnel. The screen for each probe was set so that the bottom of the screen was approximately 6” above the water table observed at each individual sampling location. Once the probe was installed, the tubing exiting the probe borehole was sealed to the ground surface with hydrated bentonite to prevent the infiltration of ambient air. Once sealed, each soil gas sampling probe was leak tested using a helium tracer gas in accordance with NYSDOH’s *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* document. Each soil gas probe had a successful leak test.

Subsequent to successful leak testing, each soil gas sampling probe was sampled using a 6-liter stainless steel Summa canister over a 1-hour sampling period (flow rate of 0.1 liter/minute). The soil gas samples were then submitted to ALS Environmental of Simi Valley, California (New York Laboratory Certification 11221) for TO-15 analysis. The analytical results are discussed below. Subsequent to sample collection, the sampling probe at each soil gas sample location was removed from the ground and the borehole was properly abandoned. The soil gas sampling log is provided in Appendix E.

SOIL GAS ANALYTICAL RESULTS

The soil gas analytical results are provided in Table 7. Figure 8 shows the comparison of the 2022 soil gas sampling results and the 2009 sampling results. The full laboratory report is provided in Appendix F, and the laboratory EDDs have previously been submitted to NYSDEC.

A review of the analytical data shows the highest SSPL VOC concentrations were observed at SG-10, which is the most upgradient sample from the site, while the lowest concentrations were observed in SG-7, the most downgradient sample from the site. Additionally, the majority of the sampling results showed significant decreases in SSPL VOCs in comparison to the 2009 data, except for SG-10 which exhibits high COC concentrations with slight increases in comparison to 2009 sampling results. The results indicated that the groundwater remediation at the Site has reduced the residual soil gas concentrations downgradient from the on-site plume. However, the

results from the upgradient location, e.g. 14,000 ug/m³ of 1,1,1-TCA at SG-10 in 2022 and 11,000 ug/m³ in 2009, indicate that soil gas impacts observed at the off-site location were not related to the Site groundwater plume, but rather an unknown, off-site source.

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, and MW-14 during several of the recent sampling events.
- A comparison of the 2022 groundwater sampling results to the historical baseline sampling results indicates that the total VOC mass in the groundwater at the site has decreased by 96% since the remedial action was implemented in June 2009.
- The 2022 groundwater monitoring results indicated several COCs still exceed their respective NYSDEC groundwater quality standards, including 1,1,1-TCA, 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 2022 sampling event.
- The groundwater plume has been contained at the site and concentrations of COCs within the site groundwater plume continue to decrease.
- The 2022 soil gas sampling is completed for the site per request from NYSDEC as part of the NYS-wide soil vapor intrusion evaluation strategy. In comparing the historical 2009 and current 2022 soil gas analytical results collected at the off-site locations on the western side of Chambers Street, as well as current groundwater sampling data collected from the site, VERINA concludes that any elevated soil gas concentrations observed at the off-site locations are not related to the site groundwater plume but rather an unknown, off-site source. Therefore, no off-site soil vapor pathway is occurring from the site.

Based on these conclusions, we recommend the following:

- Based on the historical analytical results for COCs at the site, VERINA propose to reduce the sampling frequency from semi-annually to annually in September 2023 and samples to be collected from all on-site monitoring wells.
- Based upon the analytical results of the groundwater sampling program in 2022, VERINA recommends suspending the chemical injections at the site in 2023. VERINA will continue to assess the groundwater data in 2023 to determine if additional chemical injections may be needed in the future.
- Based on observations made during the September 2022 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. At this time, this well is exposed to the elements. VERINA recommends replacing the manhole 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 2023, VERINA recommends redeveloping this well for injection purposes.

The well repairs are tentatively scheduled to be completed during the first quarter of 2023.

- VERINA will continue monthly inspections of the ASD system in 2023.
- Additional off-site soil gas sampling is not warranted for the site.

The next PRR documenting site activities completed for 2023 along with IC/EC Certification will be submitted to the NYSDEC in January 2024.

REFERENCES

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VERINA. January 2022. *2021 Periodic Review Report.*

Figures



WEST BINGHAMTON AND
EAST BINGHAMTON QUADRANGLES
7.5-MINUTE SERIES



0 2000
APPROXIMATE SCALE

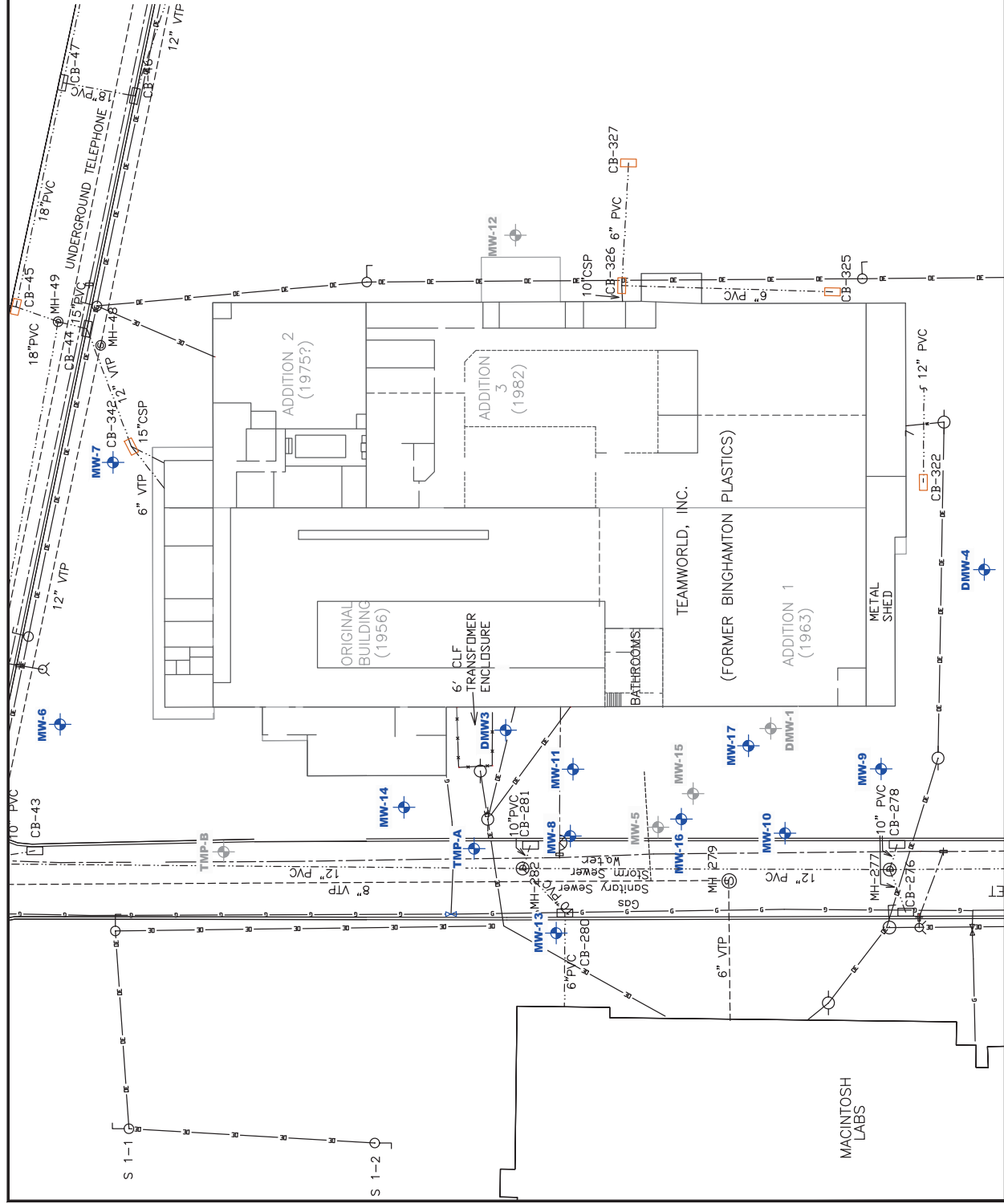
A graphic scale bar showing a distance of 0 to 2000 feet.

FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

REGIONAL LOCATION MAP

VERINA
Engineering, P.C.

1



EXPLANATION

MW-6	DESIGNATION AND LOCATION OF MONITORING WELL
TMP-B	DESIGNATION AND 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

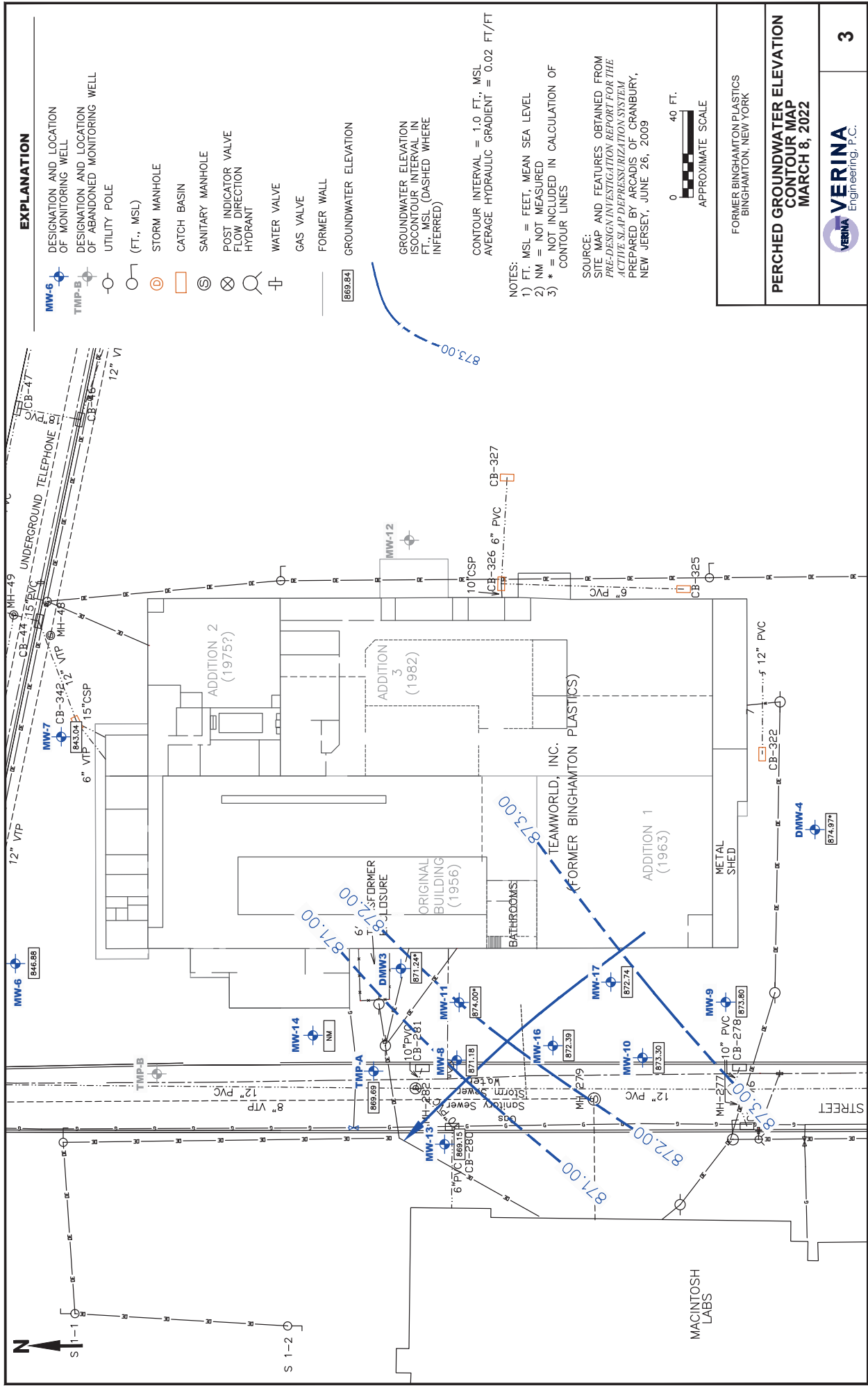
SOURCE: SITE MAP AND FEATURES OBTAINED FROM PRE-DESIGN INVESTIGATION REPORT FOR THE ACTIVE SLAP DEPRESSURIZATION SYSTEM PREPARED BY ARCADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009



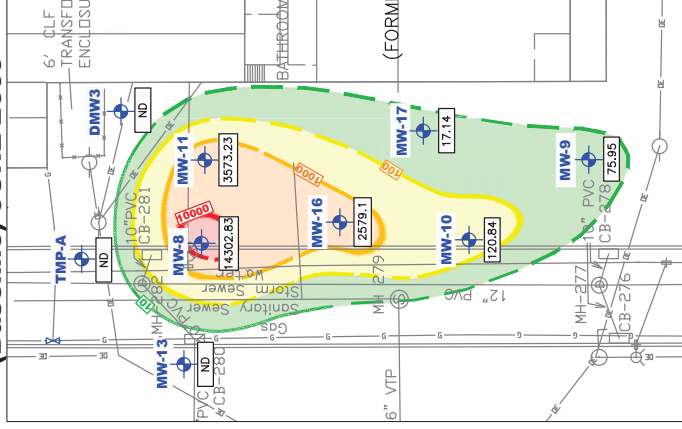
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

**SITE MAP WITH
MONITORING WELL LOCATIONS**

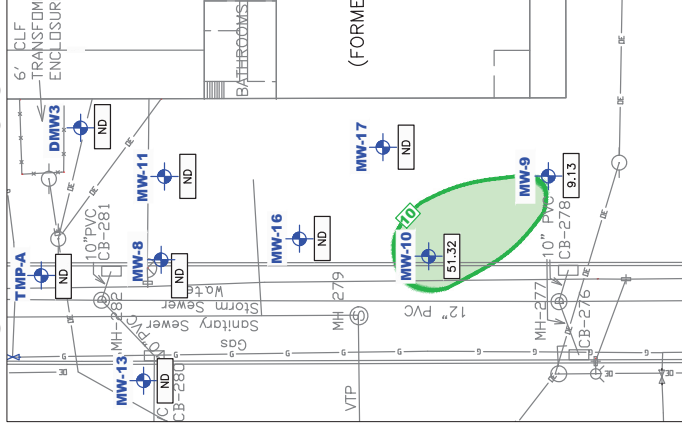




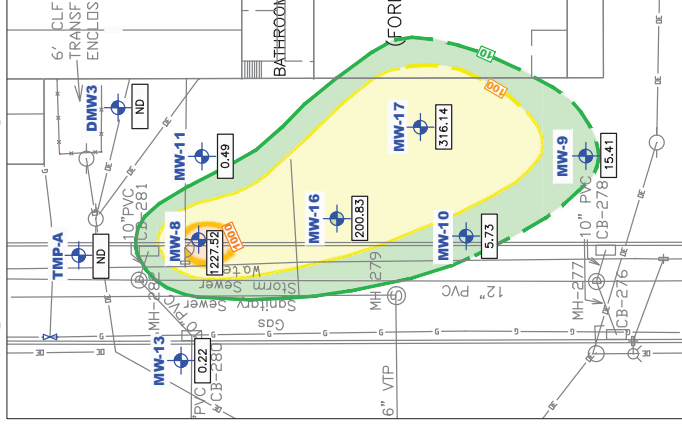
(Baseline) JUNE 2009



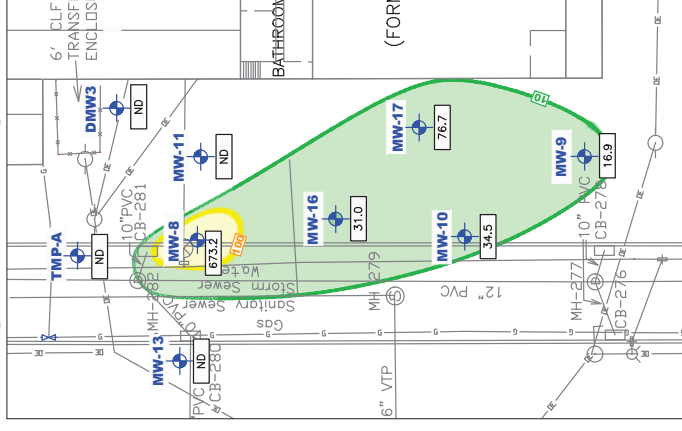
SEPTEMBER 2015



SEPTEMBER 2021



SEPTEMBER 2022



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)

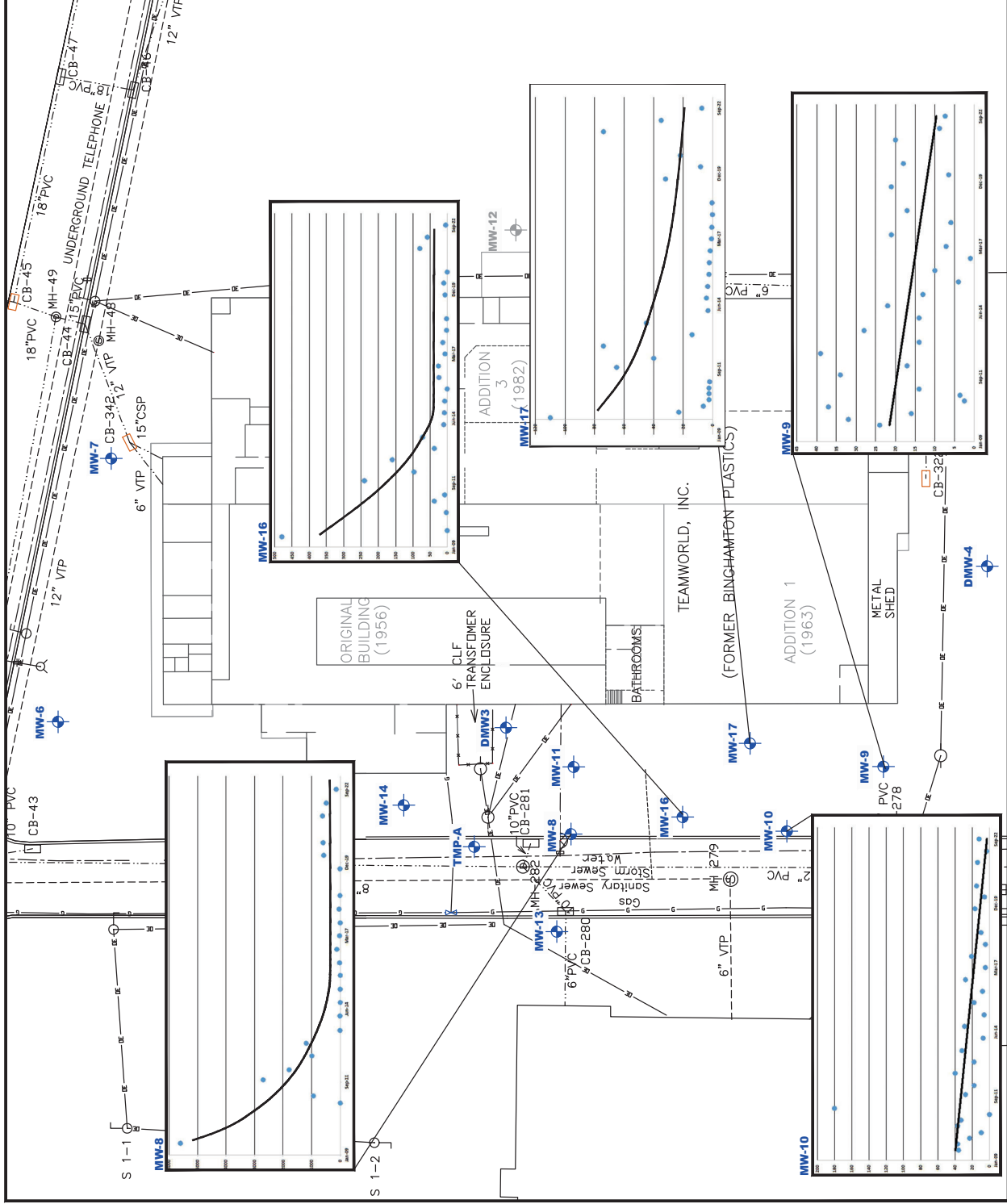
NOTE:
CONTOUR LINES ARE DASHED WHERE INFERRED

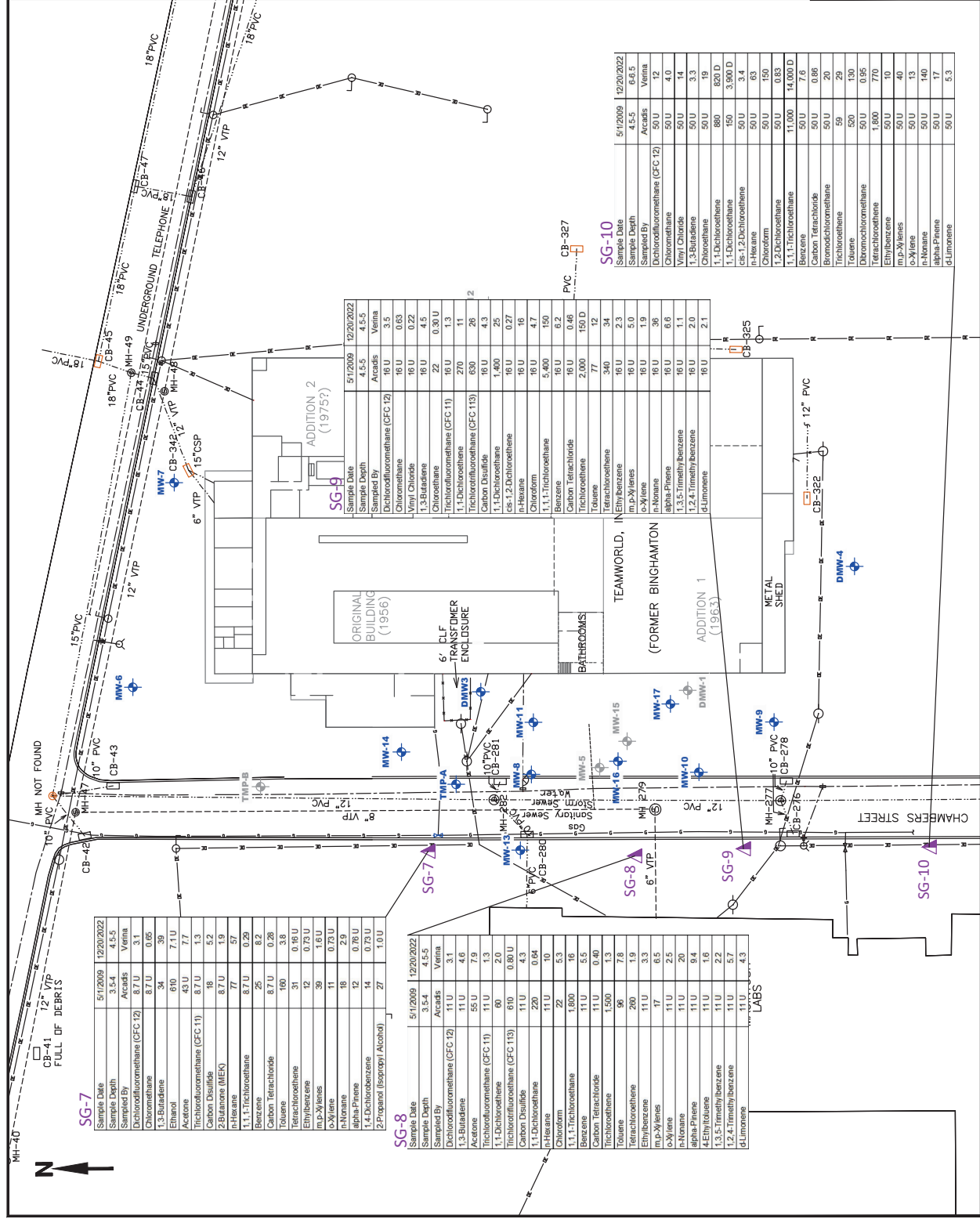
SOURCE:
SITE MAP AND FEATURES OBTAINED FROM
PRE-DESIGN INVESTIGATION REPORT FOR THE
ACTIVE SLAB DEPRESSURIZATION SYSTEM
PREPARED BY ARCADIS OF CRANBURY,
NEW JERSEY, JUNE 26, 2009

FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

ESTIMATED PCE AND DAUGHTER
PRODUCTS TOTAL MOLAR ISOCONCENTRATION
PLUME MAPS AS CHLORIDE EQUIVALENTS,
BASELINE TO SEPTEMBER 2022







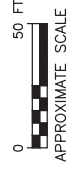
EXPLANATION

- MW-6 DESIGNATION AND LOCATION OF MONITORING WELL
- TMP-8 DESIGNATION AND LOCATIONS OF REMOVED/ABANDONED WELLS
- SG-7 SOIL GAS SAMPLING LOCATIONS
- UTILITY POLE
- UTILITY POLE W/LIGHT
- STORM MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- POST INDICATOR VALVE
- HYDRANT
- WATER VALVE
- GAS VALVE
- FORMER WALL

NOTES:

- 1) ALL RESULTS ARE PRESENTED IN MICROGRAMS
- 2) PER CUBIC METER (µg/m³)
- 3) SAMPLE DEPTHS PRESENTED IN FEET BELOW GRADE
- 4) NYSDC = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- 5) D = THE REPORTED RESULT IS FROM A DILUTION
- 6) U = CONSTITUENT NOT DETECTED ABOVE REPORTING LIMIT GIVEN

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

OFF-SITE SOIL GAS SAMPLING
LOCATIONS AND RESULTS



Tables

Table 1 - Groundwater Elevation Data - March 2022, 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	2.98	871.24
DMW-4	2	15	5 - 15	878.32	878.38	877.91	2.94	874.97
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	22.49	846.88
MW-7	2	40	30 - 40	869.96	869.99	869.60	26.56	843.04
MW-8	2	15	5 - 15	873.22	873.18	872.83	1.65	871.18
MW-9	2	15	5 - 15	875.02	875.04	874.76	0.96	873.80
MW-10	2	15	5 - 15	875.7	875.71	875.47	2.17	873.30
MW-11	2	20	10 - 20	874.53	874.52	874.14	0.14	874.00
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	4.45	869.15
MW-14	2	15	5 - 15	871.06	871.07	870.57	NM	NM
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	1.72	872.39
MW-17	2	15	5 - 15	874.03	NS	873.74	1.00	872.74
TMP-A	1	8	3 - 8	871.59	NS	871.39	1.70	869.69
TMP-B	1	10	5 - 10	869.57	NS	869.36	Abandoned	NA

NOTES:

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

ft, TOC = Feet from top of inner well casing

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on March 8, 2022

Table 2 - Groundwater Elevation Data - September 2022, 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	23.10	851.12
DMW-4	2	15	4-14	878.32	878.38	877.91	3.42	874.49
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	23.90	845.47
MW-7	2	40	30-40	869.96	869.99	869.60	28.74	840.86
MW-8	2	15	5-15	873.22	873.18	872.83	1.34	871.49
MW-9	2	15	5-15	875.02	875.04	874.76	1.33	873.43
MW-10	2	15	5-15	875.70	875.71	875.47	2.49	872.98
MW-11	2	20	10-20	874.53	874.52	874.14	1.00	873.14
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	4.50	869.10
MW-14	2	15	5-15	871.06	871.07	870.57	0.92	869.65
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	1.61	872.50
MW-17	2	15	5-15	874.03	NS	873.74	1.21	872.53
TMP-A	1	8	3-8	871.59	NS	871.39	0.71	870.68
TMP-B	1	10	5-10	869.57	NS	869.36	Abandoned	NA

NOTES:

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

ft, TOC = Feet from top of inner well casing

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on September 26, 2022

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

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 2022, Former Binghamton Plastics, Binghamton, New York

Sample ID	NYSDEC GWQS	MW-8-030922	DUP-030922	MW-09-030922	MW-10-030922	MW-16-030922
Laboratory ID		R2202100-007	R2202100-008	R2202100-004	R2202100-002	R2202100-005
Date Sampled		3/9/2022	3/9/2022	3/9/2022	3/9/2022	3/9/2022
Units		µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	1.2 J	1.4 J	1.0 U	0.34 J	18
1,1-Dichloroethene	5	3.6 J	3.6 J	1.0 U	1.0 U	6.2
cis-1,2-Dichloroethene	5	260	260	0.38 J	0.94 J	120
trans-1,2-Dichloroethene	5	2.9 J	2.9 J	1.0 U	1.0 U	0.33 J
Tetrachloroethene	5	5.0 U	5.0 U	1.0 U	0.44 J	0.37 J
1,1,1-Trichloroethane	5	1.8 J	1.9 J	1.0 U	0.49 J	14
Trichloroethene	5	500	520	8.8	3.3	58
Vinyl Chloride	2	2.5 J	2.2 J	1.0 U	1.0 U	12

Sample ID	NYSDEC GWQS	MW-17-030922	FB-030922	Trip Blank
Laboratory ID		R2202100-006	R2202100-003	R2202100-001
Date Sampled		3/9/2022	3/9/2022	3/9/2022
Units		µg/l	µg/l	µg/l
1,1-Dichloroethane	5	14	1.0 U	1.0 U
1,1-Dichloroethene	5	1.7	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	86	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	2.1	1.0 U	1.0 U
Tetrachloroethene	5	0.41 J	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.2	1.0 U	1.0 U
Trichloroethene	5	35	1.0 U	1.0 U
Vinyl Chloride	2	11	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 2022, Former Binghamton Plastics, Binghamton, New York

Sample ID	NYSDEC GWQS	MW8-091322	MW-9-091322	MW10-091322	MW11-091322	MW13-091222	MW16-091322
Laboratory ID		R2208645-011	R2208645-007	R2208645-008	R2208645-005	R2208645-003	R2208645-010
Date Sampled		9/13/2022	9/13/2022	9/13/2022	9/13/2022	9/12/2022	9/13/2022
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	0.97 J	0.45 J	2.0	0.71 J	1.0 U	8.7
1,1-Dichloroethane	5	1.3	1.0 U	0.72 J	0.24 J	1.0 U	37
1,1-Dichloroethene	5	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	160	1.0 U	2.4	1.0 U	1.0 U	9.4
Tetrachloroethene	5	1.0 U	1.0 U	0.88 J	1.0 U	1.0 U	0.27 J
trans-1,2-Dichloroethene	2	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	150	7.4	12	1.0 U	1.0 U	4.8
Vinyl Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Sample ID	NYSDEC GWQS	MW17-091322	DMW3-091222	TMP-A-091322	FB-091222	TB-091322	FB-091322
Laboratory ID		R2208645-009	R2208645-002	R2208645-006	R2208645-004	R2208645-001	R2208645-012
Date Sampled		9/13/2022	9/12/2022	9/13/2022	9/12/2022	9/13/2022	9/13/2022
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	1.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	24	1.0 U	0.25 J	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	27	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	2	1.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	7.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	5	0.38 J	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

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

Sample Location	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-1/DMW-1	2/8/1999	1000	< 180	< 380	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
	9/18/2003	< 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	0.13 J	< 0.5
	9/27/2005	< 2	< 2	< 1	< 1	< 2
	3/7/2006	< 5	< 5	0.43 J	< 5	< 5
	5/25/2006	< 5	< 5	< 5	< 5	< 5
	9/19/2006	< 5	< 5	< 5	< 5	< 5
	4/2/2007	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	8/28/2007	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/15/2007	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	3/24/2008	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/22/2008	< 5.0	< 5.0	< 5.0	0.88 J	< 5.0
	10/7/2008	< 5.0	< 5.0	< 5.0	0.40 J	< 5.0
	12/2/2008	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	3/11/2009	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/8/2009	< 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
	9/20/2019	< 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
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	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10
MW-8	12/10/1998	0.25	< 5	< 0.01	0.35	< 20
	9/18/2001	650	< 25	< 25	100	44
	4/1/2002	170	2	6	230	6
	9/18/2002	240	3 J	< 6	560	< 6
	3/28/2003	370	4	0.4 J	420	16
	6/19/2003	1,000	19	< 13	810	36
	9/18/2003	960	14 J	< 31	250	240
	1/6/2004	670	7.3 J	< 18	500	7.7 J
	4/6/2004	1,900	12 J	< 50	420	300
	6/24/2004	2,500	27	83	170	430
	9/20/2004	6,200	75	< 210	380	740
	3/23/2005	4,000	44 J	< 0.5	930	490
	6/14/2005	< 2	< 2	< 1	< 1	< 2
	9/27/2005	< 2	< 2	< 1	< 1	< 2
	3/7/2006	< 50	< 50	< 50	< 50	< 50
	4/2/2007	110	0.69 J	< 5.0	3600	< 5.0
	10/15/2007	640 D	9.8 J	< 13	2700 D	66
	3/24/2008	170	3.3 J	< 13	790 D	4.2 J
	7/22/2008	900	14 J	< 100	3400	120
	10/7/2008	640	18 J	< 100	3200	82 J
	12/2/2008	440	6.4 J	< 25	2200 D	3.6 J
	3/10/2009	450	< 100	< 100	2200	38 J
	6/8/2009	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
	9/2/2013	1.7 J	< 5.0	< 5.0	16	< 5.0
	3/17/2014	0.85 J	< 5.0	< 5.0	12	< 5.0
	9/20/2014	0.67 J	< 5.0	< 5.0	3.9 J	< 5.0
	3/18/2015	0.75 J	< 5.0	< 5.0	6.4	< 5.0
	9/23/2015	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	3/17/2016	9.1	< 1.0	< 1.0	27	< 1.0
	9/15/2016	71	< 1.0	< 1.0	120	< 1.0
	3/22/2017	29	< 1.0	< 1.0	26	< 1.0
	9/14/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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 (< 5.0)	500 (520)	2.5 J
	9/13/2022	160	0.32 J	< 1.0	150	< 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 $\mu\text{g/l}$	trans-1,2-Dichloroethene $\mu\text{g/l}$	Tetrachloroethene $\mu\text{g/l}$	Trichloroethene $\mu\text{g/l}$	Vinyl Chloride $\mu\text{g/l}$
MW-9	12/10/1998	7.3	< 2.5	1.24	77	< 10
	4/1/2002	0.6	< 0.5	0.2 J	20	< 0.5
	9/18/2002	7	0.08 J	1	57 J	0.9 J
	3/28/2003	1	< 0.5	0.4 J	18	< 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
	10/15/2007	10	< 5.0	0.81 J	55	< 5.0
	3/24/2008	0.44 J	< 5.0	< 5.0	19	< 5.0
	7/21/2008	12	< 5.0	0.55 J	45	0.55 J
	10/8/2008	7.1	< 5.0	0.59 J	49	< 5.0
	12/2/2008	5.8	< 5.0	0.47 J	49	< 5.0
	3/10/2009	2.1 J	< 5.0	< 5.0	24	< 5.0
	6/10/2009	1.4 J	< 5.0	< 5.0	32	< 5.0
	9/16/2009	1.9 J	< 5.0	0.83 J	24	< 5.0
	12/8/2009	2.2 J	< 5.0	0.43 J	32	< 5.0
	3/8/2010	0.78 J	< 5.0	< 5.0	16	< 5.0
	6/21/2010	1.60 J	< 5.0	< 5.0	37	< 5.0
	9/20/2010	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	12/16/2010	< 5.0	< 5.0	< 5.0	3.6 J	< 5.0
	3/23/2011	< 5.0	< 5.0	< 5.0	14	< 5.0
	10/26/2011	0.76 J	< 5.0	0.38 J	34	< 5.0
	3/13/2012	0.21 J	< 5.0	< 5.0	17	< 5.0
	9/18/2012	1.1 J	< 5.0	0.39 J	39	< 5.0
	3/1/2013	< 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
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	25	2
	6/19/2003	13	0.5 J	3	32	9
	9/18/2003	15	0.39 J	2.4	42	12
	1/6/2004	4.3	0.26 J	1.6	13	0.43 J
	4/6/2004	4.7	< 0.5	0.89	13	0.38 J
	6/24/2004	16	0.65	2.6	45	8.6
	9/20/2004	3.4	0.15 J	2.7	16	0.9
	3/23/2005	3.8	0.11 J	1.1	12	0.57
	9/27/2005	13	< 2	3	50	6.6
	3/7/2006	9.3	< 5	1.6 J	27	2.5 J
	9/18/2006	17	0.48 J	2.2 J	32	5.9
	8/29/2007	12	0.33 J	2.2 J	31	9.9
	10/15/2007	4.8 J	< 5.0	2.1 J	16	1.7 J
	3/24/2008	3.9 J	< 5.0	0.53 J	6.6	< 5.0
	7/21/2008	3.7 J	< 5.0	0.45 J	5.3	0.72 J
	10/8/2008	12	0.26 J	1.4 J	25	5.3
	12/2/2008	4.4 J	< 5.0	1.2 J	9.4	< 5.0
	3/10/2009	4.3 J	< 5.0	0.77 J	9.2	< 5.0
	6/8/2009	15	< 5.0	1.5 J	36	2.4 J
	9/14/2009	18	< 5.0	2.0 J	37	4.8 J
	12/9/2009	13	< 5.0	1.3 J	23	1.1 J
	3/8/2010	5.3	< 5.0	0.71 J	9.7	< 5.0
	6/22/2010	19	0.29 J	1.6 J	37	3.5 J
	9/21/2010	18	0.32 J	1.8 J	33	4.5 J
	12/15/2010	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	3/23/2011	86	< 5.0	0.67 J	180	1.8 J
	10/26/2011	11	0.21 J	1.7 J	28	2.2 J
	3/13/2012	6	< 5.0	0.81 J	18	0.46 J
	9/17/2012	14	< 5.0	1.8 J	40	2.7 J
	3/1/2013	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	0.26 J
	3/9/2021	1.2	< 1.0	0.37 J	3.8	< 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

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	190	15 J	<100	2900	140
	10/7/2008	NS	NS	NS	NS	NS
	12/2/2008	NS	NS	NS	NS	NS
	3/11/2009	990	9.1 J	<25	3200 D	67
	6/8/2009	NS	NS	NS	NS	NS
	9/14/2009	NS	NS	NS	NS	NS
	12/8/2009	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS
	6/21/2010	NS	NS	NS	NS	NS
	9/20/2010	NS	NS	NS	NS	NS
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/27/2011	<5.0	<5.0	<5.0	0.57 J	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/17/2012	<5.0	<5.0	<5.0	0.62 J	<5.0
	3/11/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/2013	1.2 J	<5.0	<5.0	4.3 J	<5.0
	3/18/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<25	<25	<25	<25	<25
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<10	<10	<10	<10	<10
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
	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
MW-12	12/7/1998	<2.5	<2.5	<5	<5	<10
MW-13	12/9/1998	<2.5	<2.5	<5	<5	<10
	3/24/2008	NS	NS	NS	NS	NS
	7/23/2008	NS	NS	NS	NS	NS
	10/9/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	12/2/2008	<5.0	<5.0	<5.0	0.96 J	<5.0
	3/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/7/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
	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	0.29 J	<1.0
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14	12/9/1998	<2.5	<2.5	<5	<5	<10
	9/18/2001	<0.5	<0.5	<0.5	0.2 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
	9/18/2003	<0.5	<0.5	0.087 J	<0.5	<0.5
	1/6/2004	<0.5	<0.5	<0.5	0.064 J	<0.5
	4/6/2004	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2004	2.1	<0.5	0.27 J	6.5	<0.5
	9/20/2004	<0.5	<0.5	<0.5	<0.5	<0.5
	3/23/2005	<0.5	<0.5	<0.5	<0.5	<0.5
	3/7/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	5/25/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	9/19/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	4/2/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	8/28/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	10/15/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	3/24/2008	<5.0	<5.0	<5.0	0.62 J	<5.0
	7/23/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	10/7/2008	<5.0	<5.0	<5.0	0.32 J	<5.0
	12/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/14/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0

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	960	11	14	6,900	23
	9/19/2001	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
MW-16	3/28/2003	440	7	0.2 J	15	59
	6/19/2003	400	12	0.3 J	48	58
	9/16/2003	87	4.8	0.323 J	9	24
	1/6/2004	68	3.3	2.5	6.6	20
	4/6/2004	22	1.1	0.23 J	2.6	5.6
	6/24/2004	6.8	2	0.23 J	4.1	2.3
	9/20/2004	78 D	5.2 D	<2.5	17	27 D
	3/23/2005	9.3	5.4	<0.5	0.95	4.4
	9/25/2005	12	5.4	<1	6.2	11
	3/7/2006	<500	<500	<500	<500	<500
	10/15/2007	240 D	13	0.64 J	110	140
	3/24/2008	NS	NS	NS	NS	NS
	7/23/2008	240	8.7 J	<13	69	87
	10/6/2008	710	13 J	1.1 J	330	180
	12/2/2008	450 D	10	0.94 J	320	88
	3/10/2009	270	4.6 J	1.1 J	280	42
	6/10/2009	650	10 J	<25	480	76
	9/15/2009	<5	<5	0.55 J	<5	<5
	12/8/2009	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS
	8/22/2010	<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	87	<1.0	0.30 J	13	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	<1.0	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)	11 (6.0)	0.35 J (<1.0)
	9/14/2021	130 (120)	5.0 (4.6)	0.52 J (<1.0)	80 (75)	0.24 J (<1.0)
	3/6/2022	120	0.33 J	0.37 J	58	12
	8/13/2022	9.4	<1.0	0.27 J	4.8	<1.0
MW-17	9/19/2002	1,800	18 J	<42	2,800	38 J
	3/28/2003	280	11	0.3 J	2	180
	6/19/2003	50	13	<6	1	65
	9/16/2003	4	11	1.6 J	0.74 J	9.1
	1/6/2004	3.3 J	6.4	<4.2	0.81 J	2.4 J
	4/6/2004	3 J	6.8	<5	1.6 J	4.5 J
	8/24/2004	<4.2	9.8	2.2		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
	10/6/2008	16	1.9 J	0.21 J	35	5.7
	12/2/2008	6.6	0.46 J	<5.0	15	13 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
	8/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	5.6	<5.0	<5.0	2.2 J	<5.0
	10/26/2011	87	4.2 J	0.53 J	65	20
	3/14/2012	77	3.3 J	0.27 J	40	18
	9/17/2012	200	10	0.44 J	74	8.2
	3/11/2013	53	2.8 J	<5.0	14	0.41 J
	9/5/2013	84	3.5 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	0.81 J	74	30
	3/6/2022	86	2.1	0.41 J	35	11
	8/13/2022	27	1.6	<1.0	7.5	0.38 J
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
	3/10/2013	<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
	8/13/2022	<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

Table 7 Soil Gas Sampling Analytical Results - December 2022 - Former Dover Electronics Site, Binghamton, New York

Sample Location	SG-7 12/20/2022 P2205748-004				SG-8 12/20/2022 P2205748-003				SG-9 12/20/2022 P2205748-002				SG-10 12/20/2022 P2205748-001			
Sampling Date																
Laboratory Sample ID																
Units	ppbV	Q	µg/m³	Q	ppbV	Q	µg/m³	Q	ppbV	Q	µg/m³	Q	ppbV	Q	µg/m³	Q
Volatile Organic Compounds																
Dichlorodifluoromethane (CFC 12)	0.62		3.1		0.64		3.1		0.70		3.5		2.5		12	
Chloromethane	0.31		0.65		0.15	U	0.31	U	0.31		0.63		1.9		4.0	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	0.11	U	0.76	U	0.11	U	0.80	U	0.11	U	0.77	U	0.58	U	4.00	U
Vinyl Chloride	0.061	U	0.16	U	0.064	U	0.46	U	0.086		0.22		5.5		14	
1,3-Butadiene	18		39		2.1		4.6		2.0		4.5		1.5		3.3	
Bromomethane	0.076	U	0.30	U	0.080	U	0.31	U	0.077	U	0.30	U	0.4	U	1.6	U
Chloroethane	0.11	U	0.30	U	0.12	U	0.31	U	0.11	U	0.30	U	7.3		19	
Ethanol	3.7	U	7.1	U	3.9	U	7.4	U	3.8	U	7.1	U	20	U	37	U
Acetonitrile	0.84	U	1.4	U	0.88	U	1.5	U	0.85	U	1.4	U	4.4	U	7.5	U
Acrolein	0.62	U	1.4	U	0.65	U	1.5	U	0.62	U	1.4	U	3.3	U	7.5	U
Acetone	3.3		7.7		3.3		7.9		3.1	U	7.4	U	16	U	39	U
Trichlorofluoromethane (CFC 11)	0.22		1.3		0.24		1.3		0.23		1.3		0.69	U	3.9	U
2-Propanol (Isopropyl Alcohol)	0.57	U	1.4	U	0.60	U	1.5	U	0.58	U	1.4	U	3.0	U	7.5	U
Acrylonitrile	0.65	U	1.4	U	0.68	U	1.5	U	0.65	U	1.4	U	3.4	U	7.5	U
1,1-Dichloroethene	0.039	U	0.16	U	0.50		2.0		2.9		11		210	D	820	D
Methylene Chloride	0.21	U	0.73	U	0.22	U	0.77	U	0.21	U	0.74	U	1.1	U	3.9	U
3-Chloro-1-propene (Allyl Chloride)	0.24	U	0.75	U	0.25	U	0.78	U	0.24	U	0.75	U	1.3	U	3.9	U
Trichlorotrifluoroethane (CFC 113)	0.099	U	0.76	U	0.10	U	0.80	U	3.4		26		0.53	U	4.0	U
Carbon Disulfide	1.7		5.2		1.4		4.3		1.4		4.3		2.6	U	8.2	U
trans-1,2-Dichloroethene	0.039	U	0.16	U	0.041	U	0.16	U	0.039	U	0.16	U	0.21	U	0.82	U
1,1-Dichloroethane	0.038	U	0.16	U	0.16		0.64		6.2		25		970	D	3,900	D
Methyl tert-Butyl Ether	0.21	U	0.75	U	0.22	U	0.78	U	0.21	U	0.75	U	1.1	U	3.9	U
2-Butanone (MEK)	0.63		1.9		0.50	U	1.5	U	0.48	U	1.4	U	2.5	U	7.5	U
cis-1,2-Dichloroethene	0.039	U	0.16	U	0.041	U	0.16	U	0.068		0.27		0.85		3.4	
n-Hexane	16		57		3.0		10		4.5		16		18		63	
Chloroform	0.032	U	0.16	U	1.1		5.3		0.96		4.7		31		150	
1,2-Dichloroethane	0.038	U	0.16	U	0.040	U	0.16	U	0.039	U	0.16	U	0.21		0.83	
1,1,1-Trichloroethane	0.054		0.29		2.9		16		27		150		2,600	D	14,000	D
Benzene	2.6		8.2		1.7		5.5		1.9		6.2		2.4		7.6	
Carbon Tetrachloride	0.045		0.28		0.063		0.40		0.073		0.46		0.14		0.86	
1,2-Dichloropropane	0.034	U	0.16	U	0.035	U	0.16	U	0.034	U	0.16	U	0.18	U	0.82	U
Bromodichloromethane	0.023	U	0.16	U	0.024	U	0.16	U	0.023	U	0.16	U	3.0		20	
Trichloroethene	0.029	U	0.16	U	0.25		1.3		28	D	150	D	5.4		29	
1,4-Dioxane	0.20	U	0.73	U	0.21	U	0.77	U	0.20	U	0.74	U	1.1	U	3.9	U
cis-1,3-Dichloropropene	0.16	U	0.75	U	0.17	U	0.78	U	0.17	U	0.75	U	0.87	U	3.9	U
4-Methyl-2-pentanone	0.38	U	1.6	U	0.40	U	1.6	U	0.38	U	1.6	U	2.0	U	8.2	U
trans-1,3-Dichloropropene	0.16	U	0.72	U	0.17	U	0.75	U	0.16	U	0.72	U	0.84	U	3.8	U
1,1,2-Trichloroethane	0.028	U	0.16	U	0.030	U	0.16	U	0.029	U	0.16	U	0.15	U	0.82	U
Toluene	1.0		3.8		2.1		7.8		3.3		12		35		130	
2-Hexanone	0.38	U	1.6	U	0.40	U	1.6	U	0.38	U	1.6	U	2.0	U	8.2	U
Dibromochloromethane	0.018	U	0.16	U	0.019	U	0.16	U	0.018	U	0.16	U	0.11		0.95	
1,2-Dibromoethane	0.020	U	0.16	U	0.021	U	0.16	U	0.020	U	0.16	U	0.11	U	0.82	U
n-Butyl Acetate	0.33	U	1.6	U	0.34	U	1.6	U	0.33	U	1.6	U	1.7	U	8.2	U
Tetrachloroethene	0.023	U	0.16	U	0.27		1.9		5.1		34		110		770	
Chlorobenzene	0.16	U	0.73	U	0.17	U	0.77	U	0.16	U	0.74	U	0.84	U	3.9	U
Ethylbenzene	0.17	U	0.73	U	0.76		3.3		0.54		2.3		2.4		10	
m,p-Xylenes	0.36	U	1.6	U	1.5		6.5		1.2		5.0		9.2		40	
Bromoform	0.071	U	0.73	U	0.074	U	0.77	U	0.071	U	0.74	U	0.37	U	3.9	U
Styrene	0.17	U	0.73	U	0.18	U	0.77	U	0.17	U	0.74	U	0.91	U	3.9	U
o-Xylene	0.17	U	0.73	U	0.58		2.5		0.43		1.9		3.1		13	
n-Nonane	0.55		2.9		3.9		20		6.9		36		27		140	
1,1,2,2-Tetrachloroethane	0.023	U	0.16	U	0.024	U	0.16	U	0.023	U	0.16	U	0.12	U	0.82	U
Cumene	0.15	U	0.73	U	0.16	U	0.77	U	0.15	U	0.74	U	0.79	U	3.9	U
alpha-Pinene	0.14	U	0.76	U	1.7		9.4		1.2		6.6		3.1		17	
4-Ethyltoluene	0.15	U	0.75	U	0.33		1.6		0.15	U	0.75	U	0.80	U	3.9	U
1,3,5-Trimethylbenzene	0.15	U	0.73	U	0.45		2.2		0.22		1.1		0.79	U	3.9	U
1,2,4-Trimethylbenzene	0.15	U	0.73	U	1.2		5.7		0.41		2.0		0.79	U	3.9	U
Benzyl Chloride	0.30	U	1.6	U	0.31	U	1.6	U	0.30	U	1.6	U	1.6	U	8.2	U
1,3-Dichlorobenzene	0.12	U	0.73	U	0.13	U	0.77	U	0.12	U	0.74	U	0.64	U	3.9	U
1,4-Dichlorobenzene	0.12	U	0.73	U	0.13	U	0.77	U	0.12	U	0.74	U	0.64	U	3.9	U
1,2-Dichlorobenzene	0.12	U	0.75	U	0.13	U	0.78	U	0.13	U	0.75	U	0.66	U	3.9	U
d-Limonene	0.13	U	0.73	U	0.76		4.3		0.38		2.1		0.96		5.3	
1,2-Dibromo-3-chloropropane	0.15	U	1.4	U	0.15	U	1.5	U	0.15	U	1.4	U	0.77	U	7.5	U
1,2,4-Trichlorobenzene	0.19	U	1.4	U	0.20	U	1.5	U	0.19	U	1.4	U	1.0	U	7.5	U
Naphthalene	0.14	U	0.73	U	0.15	U	0.77	U	0.14	U	0.74	U	0.74	U	3.9	U
Hexachlorobutadiene	0.069	U	0.73	U	0.072	U	0.77	U	0.069	U	0.74	U	0.36	U	3.9	U

Notes:**Bold = compound detected in sample**

µg/m³ = micrograms per cubic meter

ppbV = parts per billion by volume

Q = Qualifier

D = The reported result is from a dilution.

U = Constituent not detected above reporting limit given

All samples analyzed by ALS Environmental of Simi Valley, CA

NYSDOH = New York State Department of Health

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)
	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)	
3/10/2022	NA	10	NA	15	NA	15	NA	5	NA	10	NA	5	50
4/14/2022	Y	0	Y	0	N	5	Y	0	N	5	NA	5	15
5/19/2022	Y	0	N	5	N	5	N	5	Y	0	N	5	20
6/13/2022	N	5	N	5	N	5	Y	0	N	5	Y	0	15
7/12/2022	Y	0	N	5	N	5	N	5	N	5	Y	0	20
8/17/2022	Y	0	N	5	Y	0	Y	0	N	5	N	5	15
9/26/2022	Y	0	N	5	N	5	N	5	Y	0	Y	0	15
10/19/2022	Y	0	Y	0	N	5	Y	0	N	5	N	5	15
11/14/2022	Y	0	Y	0	N	5	Y	0	Y	0	Y	0	5
12/13/2022	N	5	N	5	N	5	Y	0	Y	0	Y	0	10

Appendix B

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No.: 7-04-024 **Site Details** **Box 1**

Site Name: Former Binghamton Plastics Site

Site Address: 498 Conklin Avenue **Zip Code:** 13903
City/Town: Binghamton
County: Broome
Site Acreage: 2.000

Reporting Period: January 1, 2022 to December 31, 2022

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

- Box 2**
- | | YES | NO |
|---|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below? | ☒ | ☐ |
| Commercial and Industrial | | |
| 7. Are all ICs/ECs in place and functioning as designed? | ☒ | ☐ |

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 7-04-024

Box 3

Description of Institutional Controls:

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
161.40-1-1	Chambers Street Development, LLC	Groundwater Use Restriction Land Use Restrictions

SITE NO. 7-04-024

Box 4

Description of Engineering Controls:

<u>Parcel</u>	<u>Engineering Control</u>
161.40-1-1	Vapor Mitigation System

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒

☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒

☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A corrective Measures Work Plan must be submitted along with this form to address these issues

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 704024

Box 6

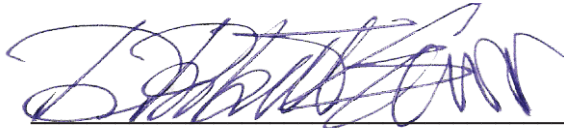
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I D. Robert Gan at Verina Engineering, P.C., 1011 US Hwy. 22, Suite 302, Bridgewater, NJ 08807,
print name print business address

am certifying as Designated Representative of Dover Corporation (Owner or Remedial Party)

for the Site named in the Site Details Section of this form



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification



January 23, 2023
Date

EC CERTIFICATIONS

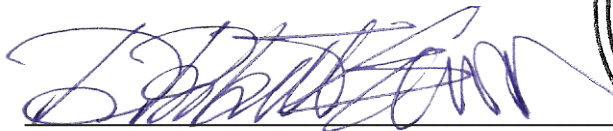
Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I D. Robert Gan at Verina Engineering, P.C., 1011 US Hwy. 22, Suite 302, Bridgewater, NJ 08807,
print name print business address

am certifying as a Professional Engineer for the Dover Corporation (Owner or Remedial Party)



Signature of Professional Engineer for the Owner or Remedial Party, Rendering Certification



Stamp
(Required for PE)

January 13, 2021
Date

Appendix C



March 18, 2022

Service Request No:R2202100

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

Laboratory Results for: Dover-Binghamton

Dear Ms.MacCarter,

Enclosed are the results of the sample(s) submitted to our laboratory March 10, 2022
For your reference, these analyses have been assigned our service request number **R2202100**.

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

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ALS Group USA, Corp.
dba ALS Environmental



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Narrative Documents

ALS Environmental—Rochester Laboratory

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

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

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

Service Request: R2202100
Date Received: 03/10/2022

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.

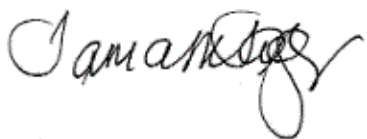
Sample Receipt:

Eight water samples were received for analysis at ALS Environmental on 03/10/2022. 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.

Approved by



Date

03/18/2022

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-10-030922	Lab ID: R2202100-002

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1,1-Trichloroethane (TCA)	0.49	J	0.20	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	0.34	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.44	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	3.3		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.94	J	0.23	1.0	ug/L	8260C

CLIENT ID: MW-09-030922	Lab ID: R2202100-004

Analyte	Results	Flag	MDL	MRL	Units	Method
Trichloroethene (TCE)	8.8		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.38	J	0.23	1.0	ug/L	8260C

CLIENT ID: MW-16-030922	Lab ID: R2202100-005

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1,1-Trichloroethane (TCA)	14		0.20	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	18		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	6.2		0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.37	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	58		0.20	1.0	ug/L	8260C
Vinyl Chloride	12		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	120		0.23	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.33	J	0.20	1.0	ug/L	8260C

CLIENT ID: MW-17-030922	Lab ID: R2202100-006

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1,1-Trichloroethane (TCA)	1.2		0.20	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	14		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	1.7		0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.41	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	35		0.20	1.0	ug/L	8260C
Vinyl Chloride	11		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	86		0.23	1.0	ug/L	8260C
trans-1,2-Dichloroethene	2.1		0.20	1.0	ug/L	8260C

CLIENT ID: MW-8-030922	Lab ID: R2202100-007

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1,1-Trichloroethane (TCA)	1.8	J	1.0	5.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	1.2	J	1.0	5.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	3.6	J	1.0	5.0	ug/L	8260C
Trichloroethene (TCE)	500		1.0	5.0	ug/L	8260C
Vinyl Chloride	2.5	J	1.0	5.0	ug/L	8260C
cis-1,2-Dichloroethene	260		1.2	5.0	ug/L	8260C
trans-1,2-Dichloroethene	2.9	J	1.0	5.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: DUP-030922
Lab ID: R2202100-008

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1,1-Trichloroethane (TCA)	1.9	J	1.0	5.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	1.4	J	1.0	5.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	3.6	J	1.0	5.0	ug/L	8260C
Trichloroethene (TCE)	520		1.0	5.0	ug/L	8260C
Vinyl Chloride	2.2	J	1.0	5.0	ug/L	8260C
cis-1,2-Dichloroethene	260		1.2	5.0	ug/L	8260C
trans-1,2-Dichloroethene	2.9	J	1.0	5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

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

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

www.alsglobal.com

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

Service Request:R2202100

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2202100-001	Trip Blank	3/9/2022	1050
R2202100-002	MW-10-030922	3/9/2022	1045
R2202100-003	FB-030922	3/9/2022	1100
R2202100-004	MW-09-030922	3/9/2022	1115
R2202100-005	MW-16-030922	3/9/2022	1345
R2202100-006	MW-17-030922	3/9/2022	1310
R2202100-007	MW-8-030922	3/9/2022	1430
R2202100-008	DUP-030922	3/9/2022	

Customer Information						Reporting Information				Deliverables				EDDs				Concentrations Expected:											
Company: Verina Consulting Group Address: 1011 US Hwy 70, Ste. 302 Bridgeville, PA 19007 Telephone #: 908-864-4400 Fax #: 908-864-4401 Project Manager: Sarah MacCartney EMAIL Address: smacartney@verinacorp.com Project Name: Dover-Birmingham Project Location (State): NJ Bottle Order #: N/A ☒ "Report to Invoice To" same as above Sampled by: C. Mary, M. Castano COMPLETED BY IAL: Field Sampling Equipment Rental						REPORT TO: Address: Attn: S. MacCartney FAX # INVOICE TO: Address: Attn: S. MacCartney PO # 010100023 Quote # Sample Matrix: DW - Drinking Water WW - Wastewater GW - Groundwater SW - Surface Water LQ - Liquid (Specify) Oil - Oil S - Soil SOL - Solid SL - Sludge W - Waste B - Biphase				24 hr - 100%... 48 hr - 75%... 72 hr - 50%... 96 hr - 35%... 5 day - 25%... 6-9 day - 10%				NJ, CT, PA Results Only Reduced Regulatory/ Full				NY ASP Category A ASP Category B				NJ SRP NYSDEC Equis lab approved custom EDD NO EDD REQ'D				Low Med High These samples have been previously analyzed by IAL			
Turn-Around Time (TAT)						Standard (10 business days) Verbal Rush (data needed only if pre-approved)** Hard Copy: Std 3 week Petroleum Hydrocarbons - Selection is REQUIRED TAT for PHC (if other than 2 weeks): NJ EPH-DRO - Category 1 NJ EPH-C40 - Category 2 NJ EPH-Fractionated - Cat 2 DRO-6015				Regulatory Requirement																			
ANALYTICAL PARAMETERS (please note if contingent)																													
Client ID						Depth (ft only)				Sampling				Matrix				Containers				IAL #							
Trip Blank										Date				Time															
MW-10-030902										3/11/02				1050				T13				3							
FB-030902										3/9/02				045				CW											
MW-09-030902														1100				FB											
MW-16-030902														1115				CW											
MW-17-030902														1345															
MW-8-030902														1310															
DUP-030902														1430															
Known Hazard: YES (NO)										Container Code:				Preservative (use code)				Container Type (use code)				FOR LAB USE ONLY							
Describe:																													
Please print legibly and fill out completely. Samples cannot be processed and the turnaround time (TAT) will not start until any ambiguities have been resolved. TAT starts the following day if samples rec'd at lab > 5PM. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY IAL'S TERMS & CONDITIONS (found on rear of pink copy).										1 = None 2 = HCl 3 = HNO3 4 = MeOH 5 = NaOH 6 = H2SO4 7 = Other				A = Amber Glass B = Plastic C = Vial D = Glass E = Encore T = Terrapine				Special Instructions/OC Requirements & Comments: SSPL VOCs = 1,1-DCA, 1,1-DCE, 1,1-DDE, TRANS-1,2-DCE, 1,2-DCE, 1,1,1-TCA											
Carrier (check one): ☐ IAL Courier ☐ Client Courier ☒ FedEx/UPS*** Tracking #:										Relinquished by (Signature and Company): Sarah MacCartney				Date/Time: 3/9/02 4:45 PM				Received by (Signature and Company): [Signature]				Cooler Temp: °C Day/Time: 3/10/02 01:50							
LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK																													
IAL Rev 2/2014																													
Certification IDs: TNI (TNID1284); CT (PH-0659); NJ (14751); NY (11402); PA (66-00773).																													
R2202100 Verina Consulting Group, LLC Dover-Birmingham																													



Cooler Receipt and Preservation Check Form

R2202100

Verina Consulting Group, LLC
Dover-Binghamton

5



Project/Client _____ Folder Number _____

Cooler received on 3/10/22 by: HECOURIER: ALS UPS FEDEX VELOCITY CLIENT

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

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

8. Temperature Readings Date: 3/10/22 Time: 08:45 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>3.5</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 HE on 3/10/22 at 08:52
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y NCooler Breakdown/Preservation Check**: Date: 3/10/22 Time: 1318 by: AD

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact 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
≥12		NaOH	Yes	No						
≤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	**	**						

**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: 2631-1, 1-027-008

Explain all Discrepancies/ Other Comments:

* Trip Blank: 1 of 3 Vials

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ADPC Secondary Review: AD 3/14/22 *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: R2202100

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2202100-001.01	8260C				
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1131	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-001.02					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-001.03					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-002.01	8260C				
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1132	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-002.02					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-002.03					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-003.01	8260C				
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1132	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-003.02					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-003.03					
		3/10/2022	1318	SMO / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2202100

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2202100-004.01	8260C	3/10/2022	1320	R-001 / GLAFORCE	
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1132	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-004.02		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-004.03		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-005.04	8260C	3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1132	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-005.05		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-005.06		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-006.01	8260C	3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1132	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-006.02		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	

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Internal Chain of Custody Report

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

Service Request: R2202100

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2202100-006.03					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-007.01					
	8260C				
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1132	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-007.02					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-007.03					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-008.01					
	8260C				
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
		3/15/2022	1132	In Lab / FNAEGLER	
		3/15/2022	1134	R-001-S08 / FNAEGLER	
R2202100-008.02					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	
R2202100-008.03					
		3/10/2022	1318	SMO / GLAFORCE	
		3/10/2022	1320	R-001 / GLAFORCE	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

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

Rochester Lab ID # for State 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.

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Analyst Summary report

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

Service Request: R2202100

Sample Name: Trip Blank
Lab Code: R2202100-001
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-10-030922
Lab Code: R2202100-002
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: FB-030922
Lab Code: R2202100-003
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-09-030922
Lab Code: R2202100-004
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-16-030922
Lab Code: R2202100-005
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R2202100

Sample Name: MW-17-030922
Lab Code: R2202100-006
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-8-030922
Lab Code: R2202100-007
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: DUP-030922
Lab Code: R2202100-008
Sample Matrix: Water

Date Collected: 03/9/22
Date Received: 03/10/22

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

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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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: R2202100
Date Collected: 03/09/22 10:50
Date Received: 03/10/22 07:50

Sample Name: Trip Blank
Lab Code: R2202100-001

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	03/15/22 13:33	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 13:33	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 13:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 13:33	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/15/22 13:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 13:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/15/22 13:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 13:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	03/15/22 13:33	
Dibromofluoromethane	105	80 - 116	03/15/22 13:33	
Toluene-d8	101	87 - 121	03/15/22 13:33	

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Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 10:45
Date Received: 03/10/22 07:50

Sample Name: MW-10-030922
Lab Code: R2202100-002

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)	0.49 J	1.0	0.20	1	03/15/22 13:55	
1,1-Dichloroethane (1,1-DCA)	0.34 J	1.0	0.20	1	03/15/22 13:55	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 13:55	
Tetrachloroethene (PCE)	0.44 J	1.0	0.21	1	03/15/22 13:55	
Trichloroethene (TCE)	3.3	1.0	0.20	1	03/15/22 13:55	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 13:55	
cis-1,2-Dichloroethene	0.94 J	1.0	0.23	1	03/15/22 13:55	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 13:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/15/22 13:55	
Dibromofluoromethane	105	80 - 116	03/15/22 13:55	
Toluene-d8	102	87 - 121	03/15/22 13:55	

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Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 11:00
Date Received: 03/10/22 07:50

Sample Name: FB-030922
Lab Code: R2202100-003

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	03/15/22 14:17	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 14:17	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 14:17	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 14:17	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/15/22 14:17	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 14:17	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/15/22 14:17	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 14:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/15/22 14:17	
Dibromofluoromethane	105	80 - 116	03/15/22 14:17	
Toluene-d8	102	87 - 121	03/15/22 14:17	

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Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 11:15
Date Received: 03/10/22 07:50

Sample Name: MW-09-030922
Lab Code: R2202100-004

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	03/15/22 19:28	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 19:28	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 19:28	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 19:28	
Trichloroethene (TCE)	8.8	1.0	0.20	1	03/15/22 19:28	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 19:28	
cis-1,2-Dichloroethene	0.38 J	1.0	0.23	1	03/15/22 19:28	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 19:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	03/15/22 19:28	
Dibromofluoromethane	103	80 - 116	03/15/22 19:28	
Toluene-d8	101	87 - 121	03/15/22 19:28	

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Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 13:10
Date Received: 03/10/22 07:50

Sample Name: MW-17-030922
Lab Code: R2202100-006

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)	1.2	1.0	0.20	1	03/15/22 19:50	
1,1-Dichloroethane (1,1-DCA)	14	1.0	0.20	1	03/15/22 19:50	
1,1-Dichloroethene (1,1-DCE)	1.7	1.0	0.20	1	03/15/22 19:50	
Tetrachloroethene (PCE)	0.41 J	1.0	0.21	1	03/15/22 19:50	
Trichloroethene (TCE)	35	1.0	0.20	1	03/15/22 19:50	
Vinyl Chloride	11	1.0	0.20	1	03/15/22 19:50	
cis-1,2-Dichloroethene	86	1.0	0.23	1	03/15/22 19:50	
trans-1,2-Dichloroethene	2.1	1.0	0.20	1	03/15/22 19:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	03/15/22 19:50	
Dibromofluoromethane	105	80 - 116	03/15/22 19:50	
Toluene-d8	104	87 - 121	03/15/22 19:50	

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Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 14:30
Date Received: 03/10/22 07:50

Sample Name: MW-8-030922
Lab Code: R2202100-007

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)	1.8 J	5.0	1.0	5	03/15/22 20:12	
1,1-Dichloroethane (1,1-DCA)	1.2 J	5.0	1.0	5	03/15/22 20:12	
1,1-Dichloroethene (1,1-DCE)	3.6 J	5.0	1.0	5	03/15/22 20:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	03/15/22 20:12	
Trichloroethene (TCE)	500	5.0	1.0	5	03/15/22 20:12	
Vinyl Chloride	2.5 J	5.0	1.0	5	03/15/22 20:12	
cis-1,2-Dichloroethene	260	5.0	1.2	5	03/15/22 20:12	
trans-1,2-Dichloroethene	2.9 J	5.0	1.0	5	03/15/22 20:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/15/22 20:12	
Dibromofluoromethane	106	80 - 116	03/15/22 20:12	
Toluene-d8	102	87 - 121	03/15/22 20:12	

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Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22
Date Received: 03/10/22 07:50

Sample Name: DUP-030922
Lab Code: R2202100-008

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)	1.9 J	5.0	1.0	5	03/15/22 20:35	
1,1-Dichloroethane (1,1-DCA)	1.4 J	5.0	1.0	5	03/15/22 20:35	
1,1-Dichloroethene (1,1-DCE)	3.6 J	5.0	1.0	5	03/15/22 20:35	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	03/15/22 20:35	
Trichloroethene (TCE)	520	5.0	1.0	5	03/15/22 20:35	
Vinyl Chloride	2.2 J	5.0	1.0	5	03/15/22 20:35	
cis-1,2-Dichloroethene	260	5.0	1.2	5	03/15/22 20:35	
trans-1,2-Dichloroethene	2.9 J	5.0	1.0	5	03/15/22 20:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/15/22 20:35	
Dibromofluoromethane	104	80 - 116	03/15/22 20:35	
Toluene-d8	102	87 - 121	03/15/22 20:35	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 13:45
Date Received: 03/10/22 07:50

Sample Name: MW-16-030922
Lab Code: R2202100-005

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)	14	1.0	0.20	1	03/15/22 19:06	
1,1-Dichloroethane (1,1-DCA)	18	1.0	0.20	1	03/15/22 19:06	
1,1-Dichloroethene (1,1-DCE)	6.2	1.0	0.20	1	03/15/22 19:06	
Tetrachloroethene (PCE)	0.37 J	1.0	0.21	1	03/15/22 19:06	
Trichloroethene (TCE)	58	1.0	0.20	1	03/15/22 19:06	
Vinyl Chloride	12	1.0	0.20	1	03/15/22 19:06	
cis-1,2-Dichloroethene	120	1.0	0.23	1	03/15/22 19:06	
trans-1,2-Dichloroethene	0.33 J	1.0	0.20	1	03/15/22 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/15/22 19:06	
Dibromofluoromethane	106	80 - 116	03/15/22 19:06	
Toluene-d8	101	87 - 121	03/15/22 19:06	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R2202100

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
Trip Blank	R2202100-001	104	105	101
MW-10-030922	R2202100-002	103	105	102
FB-030922	R2202100-003	103	105	102
MW-09-030922	R2202100-004	100	103	101
MW-17-030922	R2202100-006	105	105	104
MW-8-030922	R2202100-007	102	106	102
DUP-030922	R2202100-008	103	104	102
Method Blank	RQ2202563-07	100	103	100
Lab Control Sample	RQ2202563-04	105	106	102
DUP-030922 MS	RQ2202563-08	105	106	103
DUP-030922 DMS	RQ2202563-09	104	107	103

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: R2202100
Date Collected: 03/09/22
Date Received: 03/10/22
Date Analyzed: 03/15/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: DUP-030922
Lab Code: R2202100-008
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ2202563-08			Duplicate Matrix Spike RQ2202563-09			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1-Trichloroethane (TCA)	1.9 J	247	250	98	258	250	103	74-127	4	30
1,1-Dichloroethane (1,1-DCA)	1.4 J	221	250	88	227	250	90	74-132	3	30
1,1-Dichloroethene (1,1-DCE)	3.6 J	234	250	92	243	250	96	71-118	4	30
Tetrachloroethene (PCE)	5.0 U	259	250	103	270	250	108	72-125	4	30
Trichloroethene (TCE)	520	776	250	103	790	250	109	74-122	2	30
Vinyl Chloride	2.2 J	242	250	96	257	250	102	74-159	6	30
cis-1,2-Dichloroethene	260	490	250	93	502	250	98	77-127	3	30
trans-1,2-Dichloroethene	2.9 J	232	250	92	240	250	95	73-118	3	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.

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QA/QC Report

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

Service Request: R2202100
Date Analyzed: 03/15/22 13:08
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2202563-07
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-14
File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2478.D\
Analysis Lot: 757421

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2202563-04	I:\ACQUDATA\MSVOA14\Data\031522\V2475.D\	03/15/22 11:45
Trip Blank	R2202100-001	I:\ACQUDATA\MSVOA14\Data\031522\V2479.D\	03/15/22 13:33
MW-10-030922	R2202100-002	I:\ACQUDATA\MSVOA14\Data\031522\V2480.D\	03/15/22 13:55
FB-030922	R2202100-003	I:\ACQUDATA\MSVOA14\Data\031522\V2481.D\	03/15/22 14:17
MW-09-030922	R2202100-004	I:\ACQUDATA\MSVOA14\Data\031522\V2495.D\	03/15/22 19:28
MW-17-030922	R2202100-006	I:\ACQUDATA\MSVOA14\Data\031522\V2496.D\	03/15/22 19:50
MW-8-030922	R2202100-007	I:\ACQUDATA\MSVOA14\Data\031522\V2497.D\	03/15/22 20:12
DUP-030922	R2202100-008	I:\ACQUDATA\MSVOA14\Data\031522\V2498.D\	03/15/22 20:35
DUP-030922MS	RQ2202563-08	I:\ACQUDATA\MSVOA14\Data\031522\V2499.D\	03/15/22 20:57
DUP-030922DMS	RQ2202563-09	I:\ACQUDATA\MSVOA14\Data\031522\V2500.D\	03/15/22 21:19

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2202563-07

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	03/15/22 13:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 13:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 13:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 13:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/15/22 13:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 13:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/15/22 13:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 13:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	03/15/22 13:08	
Dibromofluoromethane	103	80 - 116	03/15/22 13:08	
Toluene-d8	100	87 - 121	03/15/22 13:08	

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: R2202100
Date Analyzed: 03/15/22 11:45
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2202563-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-14
File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2475.D\
Analysis Lot: 757421

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2202563-07	I:\ACQUDATA\MSVOA14\Data\031522\V2478.D\	03/15/22 13:08
Trip Blank	R2202100-001	I:\ACQUDATA\MSVOA14\Data\031522\V2479.D\	03/15/22 13:33
MW-10-030922	R2202100-002	I:\ACQUDATA\MSVOA14\Data\031522\V2480.D\	03/15/22 13:55
FB-030922	R2202100-003	I:\ACQUDATA\MSVOA14\Data\031522\V2481.D\	03/15/22 14:17
MW-09-030922	R2202100-004	I:\ACQUDATA\MSVOA14\Data\031522\V2495.D\	03/15/22 19:28
MW-17-030922	R2202100-006	I:\ACQUDATA\MSVOA14\Data\031522\V2496.D\	03/15/22 19:50
MW-8-030922	R2202100-007	I:\ACQUDATA\MSVOA14\Data\031522\V2497.D\	03/15/22 20:12
DUP-030922	R2202100-008	I:\ACQUDATA\MSVOA14\Data\031522\V2498.D\	03/15/22 20:35
DUP-030922MS	RQ2202563-08	I:\ACQUDATA\MSVOA14\Data\031522\V2499.D\	03/15/22 20:57
DUP-030922DMS	RQ2202563-09	I:\ACQUDATA\MSVOA14\Data\031522\V2500.D\	03/15/22 21:19

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: R2202100
Date Analyzed: 03/15/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2202563-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.0	20.0	95	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	17.0	20.0	85	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	17.7	20.0	89	71-118
Tetrachloroethene (PCE)	8260C	20.3	20.0	102	72-125
Trichloroethene (TCE)	8260C	19.4	20.0	97	74-122
Vinyl Chloride	8260C	18.4	20.0	92	74-159
cis-1,2-Dichloroethene	8260C	18.0	20.0	90	80-121
trans-1,2-Dichloroethene	8260C	17.8	20.0	89	73-118

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QC/QC Report

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

Service Request: R2202100
Date Analyzed: 03/15/22 10:01

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2472.D\
Instrument ID: R-MS-14

Analytical Method: 8260C
Analysis Lot: 757421

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.8	51384	Pass
75	95	30	60	50.5	137805	Pass
95	95	100	100	100.0	273067	Pass
96	95	5	9	6.8	18546	Pass
173	174	0	2	0.3	845	Pass
174	95	50	120	88.9	242795	Pass
175	174	5	9	7.4	17934	Pass
176	174	95	101	98.5	239232	Pass
177	176	5	9	6.5	15455	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2202563-02	I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\	03/15/22 10:35	
Lab Control Sample	RQ2202563-04	I:\ACQUDATA\MSVOA14\Data\031522\V2475.D\	03/15/22 11:45	
Method Blank	RQ2202563-07	I:\ACQUDATA\MSVOA14\Data\031522\V2478.D\	03/15/22 13:08	
Trip Blank	R2202100-001	I:\ACQUDATA\MSVOA14\Data\031522\V2479.D\	03/15/22 13:33	
MW-10-030922	R2202100-002	I:\ACQUDATA\MSVOA14\Data\031522\V2480.D\	03/15/22 13:55	
FB-030922	R2202100-003	I:\ACQUDATA\MSVOA14\Data\031522\V2481.D\	03/15/22 14:17	
MW-09-030922	R2202100-004	I:\ACQUDATA\MSVOA14\Data\031522\V2495.D\	03/15/22 19:28	
MW-17-030922	R2202100-006	I:\ACQUDATA\MSVOA14\Data\031522\V2496.D\	03/15/22 19:50	
MW-8-030922	R2202100-007	I:\ACQUDATA\MSVOA14\Data\031522\V2497.D\	03/15/22 20:12	
DUP-030922	R2202100-008	I:\ACQUDATA\MSVOA14\Data\031522\V2498.D\	03/15/22 20:35	
DUP-030922	RQ2202563-08	I:\ACQUDATA\MSVOA14\Data\031522\V2499.D\	03/15/22 20:57	
DUP-030922	RQ2202563-09	I:\ACQUDATA\MSVOA14\Data\031522\V2500.D\	03/15/22 21:19	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2202100
Date Analyzed:03/15/22 10:35

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

File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ2202563-02
Analysis Lot:757421
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	444,554	12.04	858,468	6.49	803,721	9.94
Upper Limit ==>	889,108	12.21	1,716,936	6.66	1,607,442	10.11
Lower Limit ==>	222,277	11.87	429,234	6.32	401,861	9.77

Associated Analyses

Lab Control Sample	RQ2202563-04	431409	12.04	866512	6.49	795366	9.94
Method Blank	RQ2202563-07	406169	12.04	845780	6.50	770302	9.94
Trip Blank	R2202100-001	411036	12.04	854216	6.50	772269	9.94
MW-10-030922	R2202100-002	397202	12.04	831792	6.50	757331	9.94
FB-030922	R2202100-003	401844	12.04	837953	6.50	762416	9.94
MW-09-030922	R2202100-004	383845	12.04	827066	6.50	741783	9.94
MW-17-030922	R2202100-006	395606	12.04	815757	6.50	744892	9.94
MW-8-030922	R2202100-007	399119	12.04	827214	6.50	755499	9.94
DUP-030922	R2202100-008	397875	12.04	838722	6.50	757808	9.94
DUP-030922MS	RQ2202563-08	421374	12.04	849173	6.50	779434	9.94
DUP-030922DMS	RQ2202563-09	421817	12.04	847540	6.50	777514	9.94

ALS Group USA, Corp.
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QA/QC Report

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

Service Request:R2202100
Date Analyzed:03/15/22 10:35

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

File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ2202563-02
Analysis Lot:757421
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	602,534	5.37
Upper Limit ==>	1,205,068	5.54
Lower Limit ==>	301,267	5.20

Associated Analyses

Lab Control Sample	RQ2202563-04	606590	5.37
Method Blank	RQ2202563-07	592552	5.37
Trip Blank	R2202100-001	595966	5.37
MW-10-030922	R2202100-002	578137	5.37
FB-030922	R2202100-003	581248	5.37
MW-09-030922	R2202100-004	569098	5.37
MW-17-030922	R2202100-006	569281	5.37
MW-8-030922	R2202100-007	583181	5.37
DUP-030922	R2202100-008	586461	5.37
DUP-030922MS	RQ2202563-08	595018	5.37
DUP-030922DMS	RQ2202563-09	596176	5.37

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QA/QC Report

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

Service Request: R2202100

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-16-030922	R2202100-005	102	106	101
Method Blank	RQ2202563-06	101	105	101
Lab Control Sample	RQ2202563-03	104	106	102

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QA/QC Report

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

Service Request: R2202100
Date Analyzed: 03/15/22 12:46
Date Extracted:

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

Sample Name: Method Blank
Lab Code: RQ2202563-06
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-14
File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2477.D\
Analysis Lot: 757421

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2202563-03	I:\ACQUDATA\MSVOA14\Data\031522 \V2474.D\	03/15/22 11:16
MW-16-030922	R2202100-005	I:\ACQUDATA\MSVOA14\Data\031522 \V2494.D\	03/15/22 19:06

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2202563-06

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	03/15/22 12:46	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 12:46	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 12:46	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 12:46	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/15/22 12:46	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 12:46	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/15/22 12:46	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 12:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	03/15/22 12:46	
Dibromofluoromethane	105	80 - 116	03/15/22 12:46	
Toluene-d8	101	87 - 121	03/15/22 12:46	

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: R2202100
Date Analyzed: 03/15/22 11:16
Date Extracted:

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

Sample Name: Lab Control Sample **Instrument ID:** R-MS-14
Lab Code: RQ2202563-03 **File ID:** I:\ACQUDATA\MSVOA14\Data\031522\V2474.D\
Analysis Method: 8260C **Analysis Lot:** 757421
Prep Method: EPA 5030C

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2202563-06	I:\ACQUDATA\MSVOA14\Data\031522 \V2477.D\	03/15/22 12:46
MW-16-030922	R2202100-005	I:\ACQUDATA\MSVOA14\Data\031522 \V2494.D\	03/15/22 19:06

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QA/QC Report

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

Service Request: R2202100
Date Analyzed: 03/15/22

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2202563-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.4	20.0	102	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	18.2	20.0	91	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.0	20.0	95	71-118
Tetrachloroethene (PCE)	8260C	22.2	20.0	111	72-125
Trichloroethene (TCE)	8260C	20.7	20.0	104	74-122
Vinyl Chloride	8260C	19.7	20.0	98	74-159
cis-1,2-Dichloroethene	8260C	18.8	20.0	94	80-121
trans-1,2-Dichloroethene	8260C	18.9	20.0	94	73-118

ALS Group USA, Corp.
dba ALS Environmental

QC/QC Report

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

Service Request: R2202100
Date Analyzed: 03/15/22 10:01

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2472.D\
Instrument ID: R-MS-14

Analytical Method: 8260C
Analysis Lot: 757421

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.8	51384	Pass
75	95	30	60	50.5	137805	Pass
95	95	100	100	100.0	273067	Pass
96	95	5	9	6.8	18546	Pass
173	174	0	2	0.3	845	Pass
174	95	50	120	88.9	242795	Pass
175	174	5	9	7.4	17934	Pass
176	174	95	101	98.5	239232	Pass
177	176	5	9	6.5	15455	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2202563-02	I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\	03/15/22 10:35	
Lab Control Sample	RQ2202563-03	I:\ACQUDATA\MSVOA14\Data\031522\V2474.D\	03/15/22 11:16	
Method Blank	RQ2202563-06	I:\ACQUDATA\MSVOA14\Data\031522\V2477.D\	03/15/22 12:46	
MW-16-030922	R2202100-005	I:\ACQUDATA\MSVOA14\Data\031522\V2494.D\	03/15/22 19:06	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2202100
Date Analyzed:03/15/22 10:35

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

File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ2202563-02
Analysis Lot:757421
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	444,554	12.04	858,468	6.49	803,721	9.94
Upper Limit ==>	889,108	12.21	1,716,936	6.66	1,607,442	10.11
Lower Limit ==>	222,277	11.87	429,234	6.32	401,861	9.77

Associated Analyses

Lab Control Sample	RQ2202563-03	427894	12.04	865050	6.49	796329	9.94
Method Blank	RQ2202563-06	405822	12.04	855646	6.49	778280	9.94
MW-16-030922	R2202100-005	393118	12.04	820953	6.50	750237	9.94

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2202100
Date Analyzed:03/15/22 10:35

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

File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ2202563-02
Analysis Lot:757421
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	602,534	5.37
Upper Limit ==>	1,205,068	5.54
Lower Limit ==>	301,267	5.20

Associated Analyses

Lab Control Sample	RQ2202563-03	604782	5.36
Method Blank	RQ2202563-06	594878	5.37
MW-16-030922	R2202100-005	577754	5.37



Raw Data

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 10:50
Date Received: 03/10/22 07:50

Sample Name: Trip Blank
Lab Code: R2202100-001

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	03/15/22 13:33	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 13:33	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 13:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 13:33	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/15/22 13:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 13:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/15/22 13:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 13:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	03/15/22 13:33	
Dibromofluoromethane	105	80 - 116	03/15/22 13:33	
Toluene-d8	101	87 - 121	03/15/22 13:33	

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: R2202100
Date Collected: 03/09/22 10:45
Date Received: 03/10/22 07:50

Sample Name: MW-10-030922
Lab Code: R2202100-002

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)	0.49 J	1.0	0.20	1	03/15/22 13:55	
1,1-Dichloroethane (1,1-DCA)	0.34 J	1.0	0.20	1	03/15/22 13:55	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 13:55	
Tetrachloroethene (PCE)	0.44 J	1.0	0.21	1	03/15/22 13:55	
Trichloroethene (TCE)	3.3	1.0	0.20	1	03/15/22 13:55	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 13:55	
cis-1,2-Dichloroethene	0.94 J	1.0	0.23	1	03/15/22 13:55	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 13:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/15/22 13:55	
Dibromofluoromethane	105	80 - 116	03/15/22 13:55	
Toluene-d8	102	87 - 121	03/15/22 13:55	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 11:00
Date Received: 03/10/22 07:50

Sample Name: FB-030922
Lab Code: R2202100-003

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	03/15/22 14:17	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 14:17	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 14:17	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 14:17	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/15/22 14:17	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 14:17	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/15/22 14:17	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 14:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/15/22 14:17	
Dibromofluoromethane	105	80 - 116	03/15/22 14:17	
Toluene-d8	102	87 - 121	03/15/22 14:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 11:15
Date Received: 03/10/22 07:50

Sample Name: MW-09-030922
Lab Code: R2202100-004

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	03/15/22 19:28	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/15/22 19:28	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/15/22 19:28	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/15/22 19:28	
Trichloroethene (TCE)	8.8	1.0	0.20	1	03/15/22 19:28	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/15/22 19:28	
cis-1,2-Dichloroethene	0.38 J	1.0	0.23	1	03/15/22 19:28	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/15/22 19:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	03/15/22 19:28	
Dibromofluoromethane	103	80 - 116	03/15/22 19:28	
Toluene-d8	101	87 - 121	03/15/22 19:28	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 13:10
Date Received: 03/10/22 07:50

Sample Name: MW-17-030922
Lab Code: R2202100-006

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)	1.2	1.0	0.20	1	03/15/22 19:50	
1,1-Dichloroethane (1,1-DCA)	14	1.0	0.20	1	03/15/22 19:50	
1,1-Dichloroethene (1,1-DCE)	1.7	1.0	0.20	1	03/15/22 19:50	
Tetrachloroethene (PCE)	0.41 J	1.0	0.21	1	03/15/22 19:50	
Trichloroethene (TCE)	35	1.0	0.20	1	03/15/22 19:50	
Vinyl Chloride	11	1.0	0.20	1	03/15/22 19:50	
cis-1,2-Dichloroethene	86	1.0	0.23	1	03/15/22 19:50	
trans-1,2-Dichloroethene	2.1	1.0	0.20	1	03/15/22 19:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	03/15/22 19:50	
Dibromofluoromethane	105	80 - 116	03/15/22 19:50	
Toluene-d8	104	87 - 121	03/15/22 19:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 14:30
Date Received: 03/10/22 07:50

Sample Name: MW-8-030922
Lab Code: R2202100-007

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)	1.8 J	5.0	1.0	5	03/15/22 20:12	
1,1-Dichloroethane (1,1-DCA)	1.2 J	5.0	1.0	5	03/15/22 20:12	
1,1-Dichloroethene (1,1-DCE)	3.6 J	5.0	1.0	5	03/15/22 20:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	03/15/22 20:12	
Trichloroethene (TCE)	500	5.0	1.0	5	03/15/22 20:12	
Vinyl Chloride	2.5 J	5.0	1.0	5	03/15/22 20:12	
cis-1,2-Dichloroethene	260	5.0	1.2	5	03/15/22 20:12	
trans-1,2-Dichloroethene	2.9 J	5.0	1.0	5	03/15/22 20:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/15/22 20:12	
Dibromofluoromethane	106	80 - 116	03/15/22 20:12	
Toluene-d8	102	87 - 121	03/15/22 20:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22
Date Received: 03/10/22 07:50

Sample Name: DUP-030922
Lab Code: R2202100-008

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)	1.9 J	5.0	1.0	5	03/15/22 20:35	
1,1-Dichloroethane (1,1-DCA)	1.4 J	5.0	1.0	5	03/15/22 20:35	
1,1-Dichloroethene (1,1-DCE)	3.6 J	5.0	1.0	5	03/15/22 20:35	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	03/15/22 20:35	
Trichloroethene (TCE)	520	5.0	1.0	5	03/15/22 20:35	
Vinyl Chloride	2.2 J	5.0	1.0	5	03/15/22 20:35	
cis-1,2-Dichloroethene	260	5.0	1.2	5	03/15/22 20:35	
trans-1,2-Dichloroethene	2.9 J	5.0	1.0	5	03/15/22 20:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	03/15/22 20:35	
Dibromofluoromethane	104	80 - 116	03/15/22 20:35	
Toluene-d8	102	87 - 121	03/15/22 20:35	

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2479.D
 Acq On : 15 Mar 2022 1:33 pm
 Operator : F.NAEGLER
 Sample : R2202100-001|1.0 Inst : MSVOA14
 Misc : VERINA 6646 T4
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 16 16:09:49 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

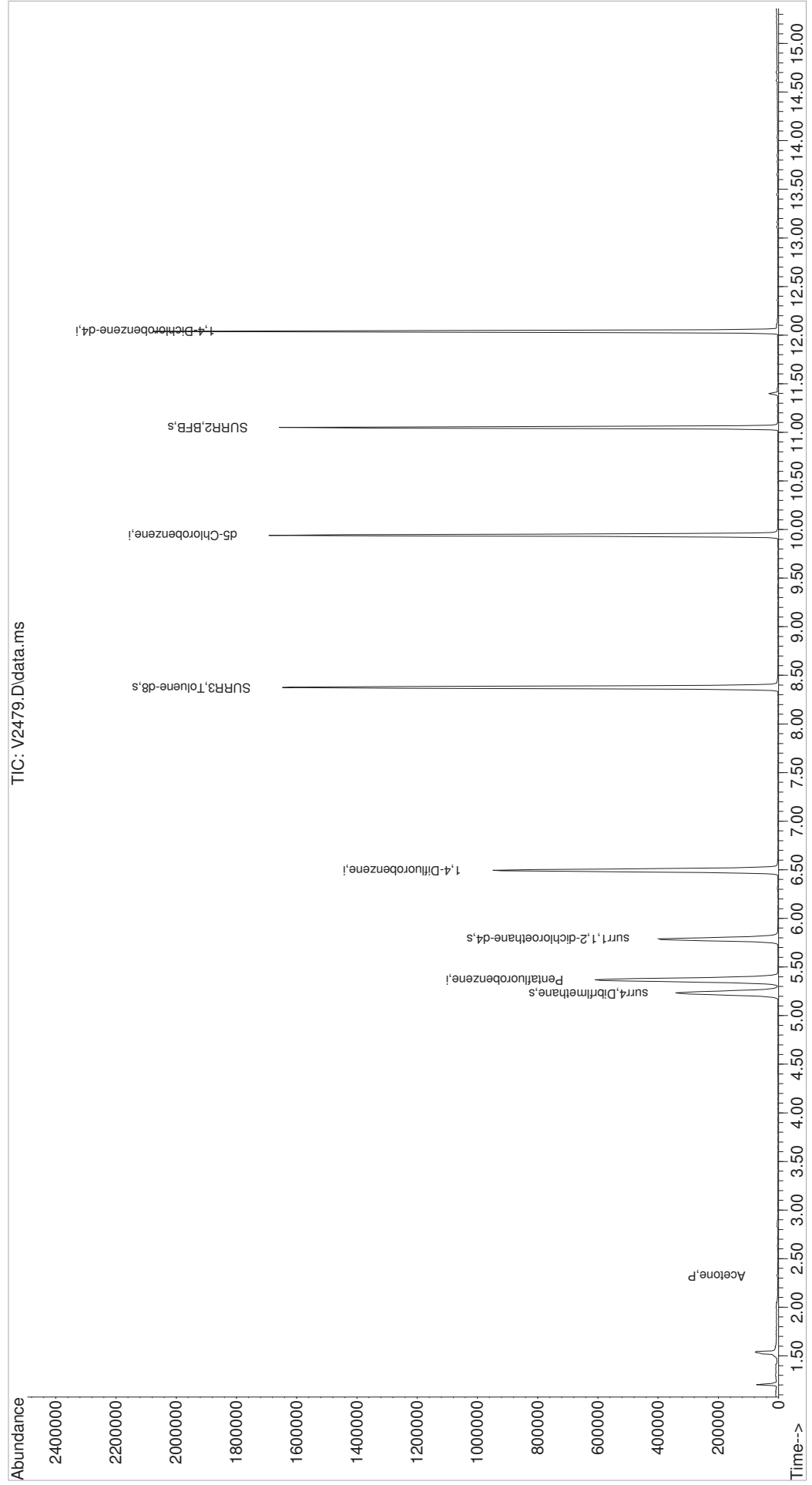
Internal Standards						
1) Pentafluorobenzene	5.368	168	595966	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	854216	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	772269	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	411036	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.228	113	281823	52.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	104.82%
47) surr1,1,2-dichloroetha...	5.783	65	356112	53.63	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	107.26%
64) SURR3,Toluene-d8	8.374	98	1026989	50.59	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.18%
69) SURR2,BFB	11.050	95	407574	51.75	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.50%
Target Compounds						
5) Bromomethane	1.558	94	316	Below Cal	#	45
15) Acetone	2.326	43	2914	0.80 ug/L		82

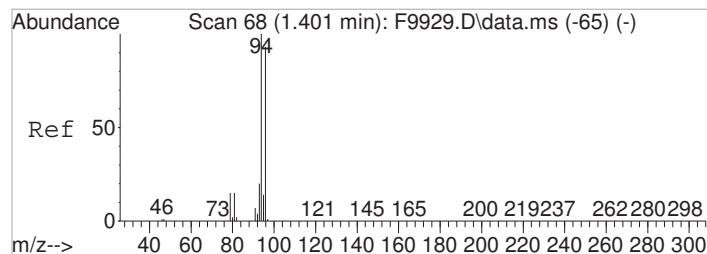
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2479.D
 Acq On : 15 Mar 2022 1:33 pm
 Operator : F.NAEGLER
 Sample : R2202100-001|1.0
 Misc : VERINA 6646 T4
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA14

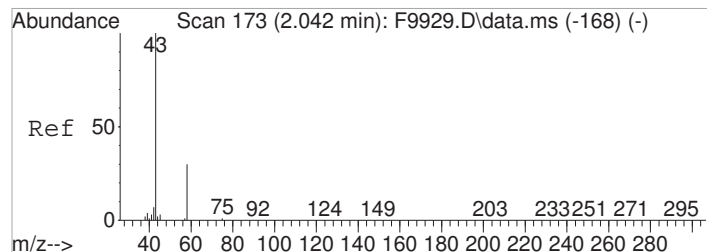
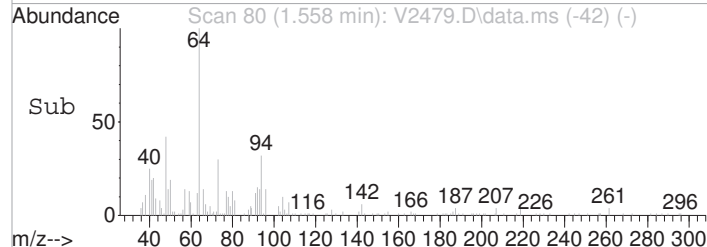
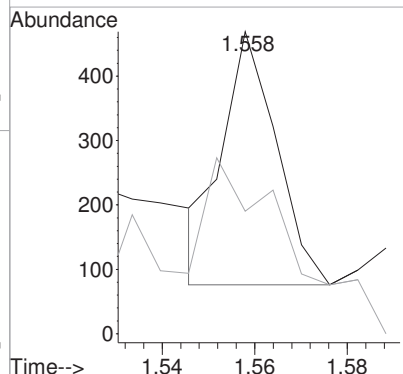
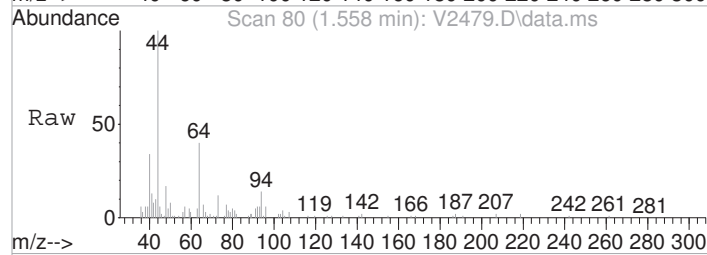
Quant Time: Mar 16 16:09:49 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration





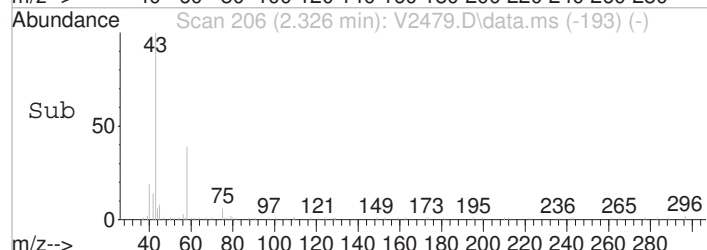
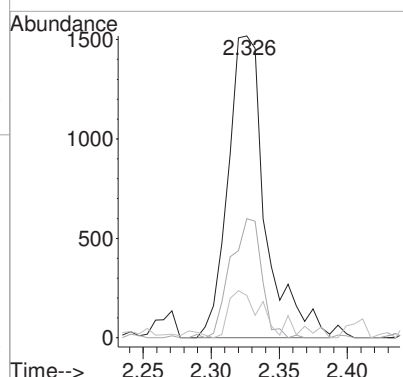
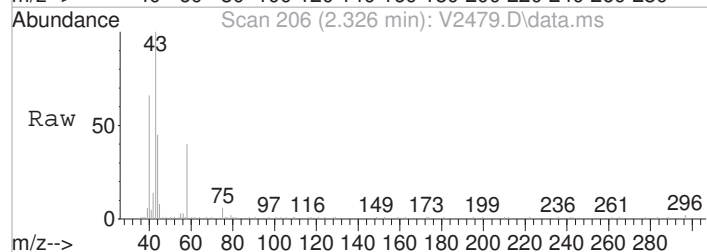
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.558 min Scan# 80
 Delta R.T. 0.004 min
 Lab File: V2479.D
 Acq: 15 Mar 2022 1:33 pm

Tgt Ion: 94 Resp: 316
 Ion Ratio Lower Upper
 94 100
 96 40.5 73.5 113.5#



#15
 Acetone
 Concen: 0.80 ug/L
 RT: 2.326 min Scan# 206
 Delta R.T. 0.004 min
 Lab File: V2479.D
 Acq: 15 Mar 2022 1:33 pm

Tgt Ion: 43 Resp: 2914
 Ion Ratio Lower Upper
 43 100
 58 39.5 9.8 49.8
 42 14.0 0.0 27.4



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2480.D
 Acq On : 15 Mar 2022 1:55 pm
 Operator : F.NAEGLER
 Sample : R2202100-002|1.0
 Misc : VERINA 6646 T4
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:10:49 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

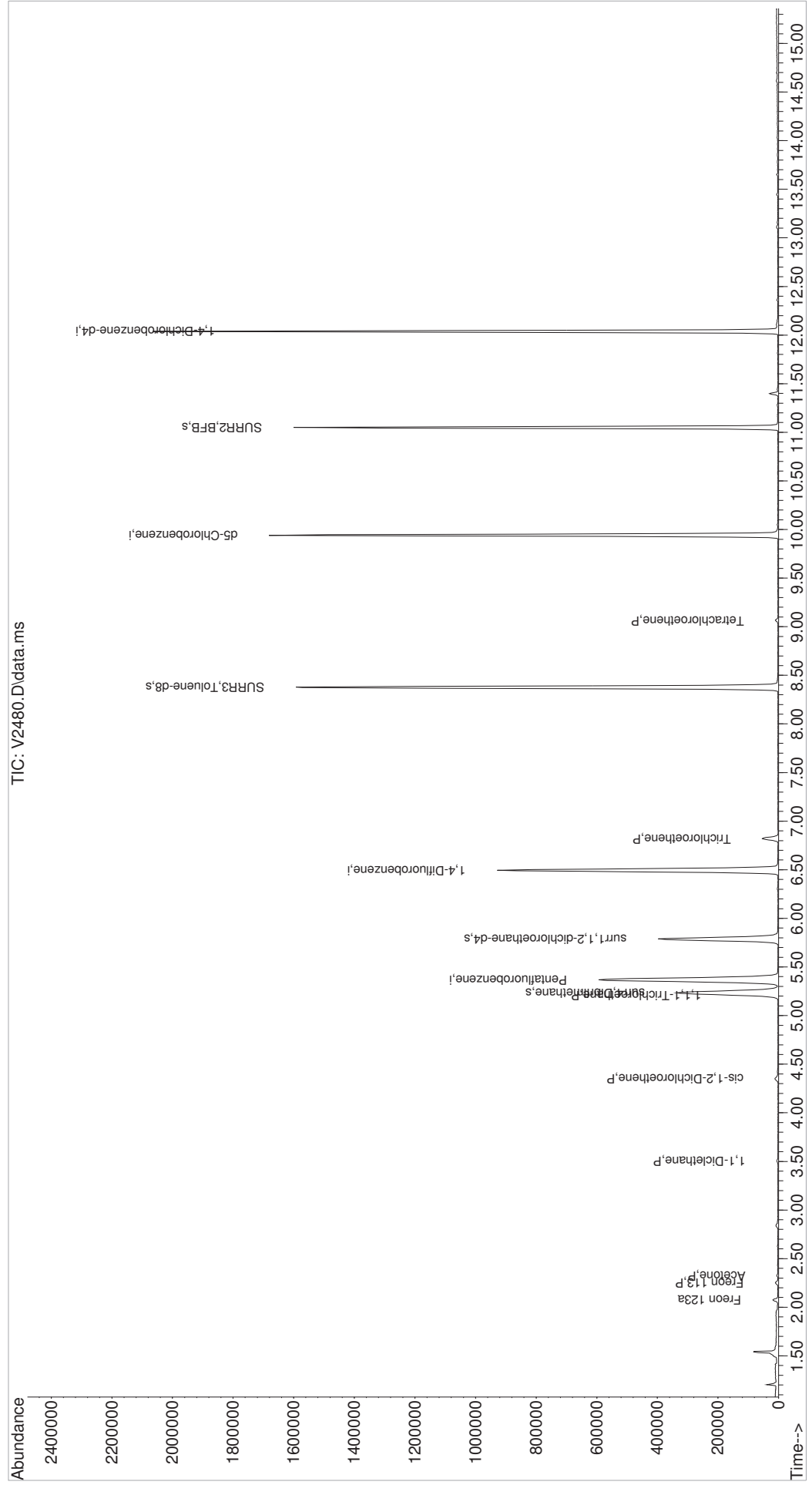
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene	5.368	168	578137	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	831792	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	757331	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.037	152	397202	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	274191	52.36	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	104.72%	
47) surr1,1,2-dichloroetha...	5.789	65	350631	54.23	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	108.46%	
64) SURR3,Toluene-d8	8.380	98	1012080	51.20	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	102.40%	
69) SURR2,BFB	11.050	95	394766	51.48	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	102.96%	
Target Compounds						
5) Bromomethane	1.552	94	438	Below Cal	Qvalue #	39
10) Freon 123a	2.076	67	6346	1.10 ug/L		91
14) Freon 113	2.253	101	2795	0.59 ug/L		96
15) Acetone	2.320	43	2975	0.84 ug/L		92
27) 1,1-Dicethane	3.509	63	3280	0.34 ug/L		87
33) cis-1,2-Dichloroethene	4.350	96	5602	0.94 ug/L #		71
40) 1,1,1-Trichloroethane	5.210	97	4059	0.49 ug/L #		80
53) Trichloroethene	6.819	130	18393	3.30 ug/L		92
71) Tetrachloroethene	9.062	164	1822	0.44 ug/L		93

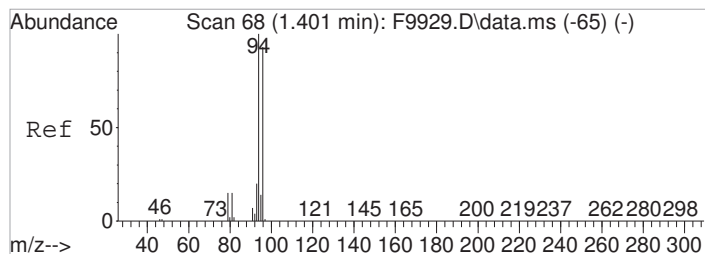
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2480.D
 Acq On : 15 Mar 2022 1:55 pm
 Operator : F.NAEGLER
 Sample : R2202100-002|1.0
 Misc : VERINA 6646 T4
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA14

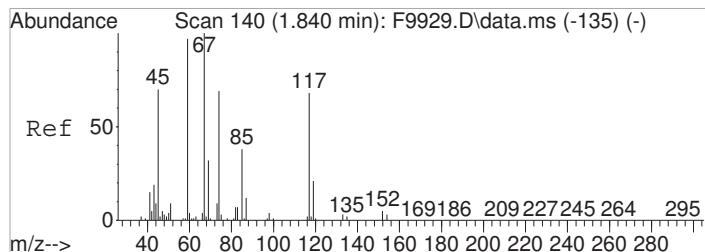
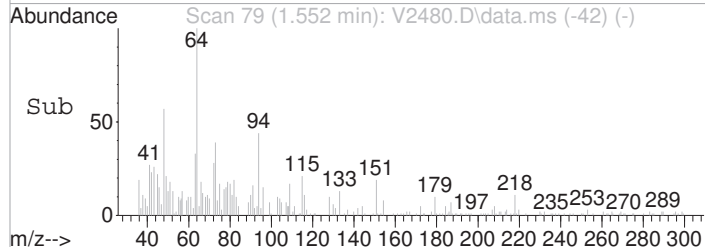
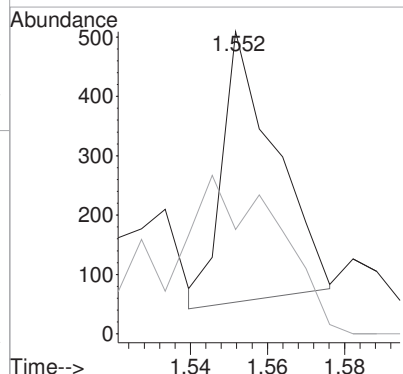
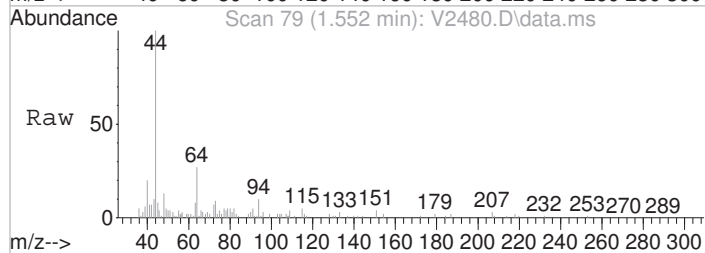
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 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration





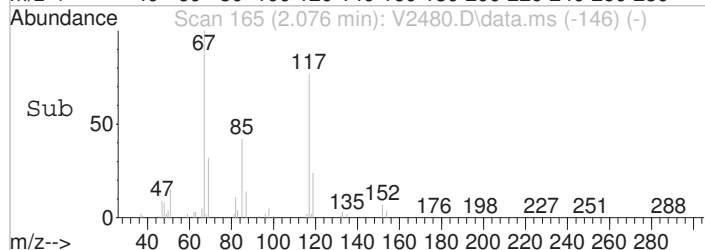
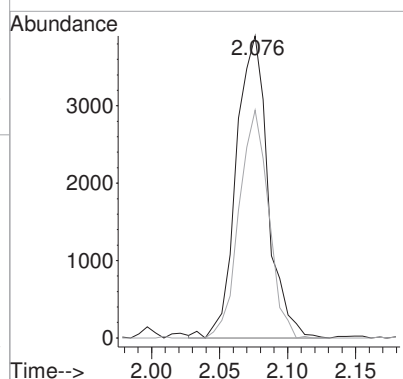
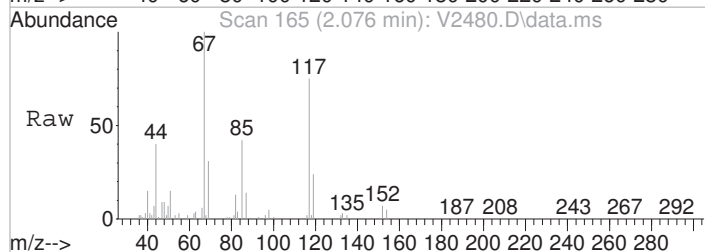
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.552 min Scan# 79
 Delta R.T. -0.002 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

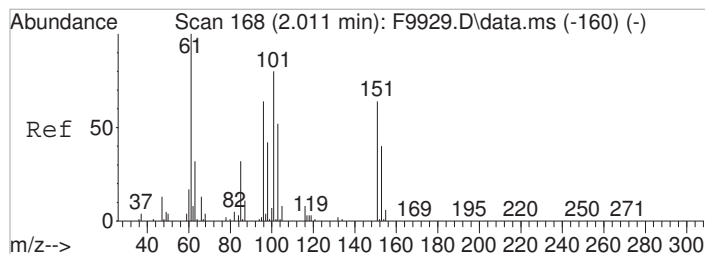
Tgt Ion: 94 Resp: 438
 Ion Ratio Lower Upper
 94 100
 96 34.6 73.5 113.5#



#10
 Freon 123a
 Concen: 1.10 ug/L
 RT: 2.076 min Scan# 165
 Delta R.T. 0.004 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

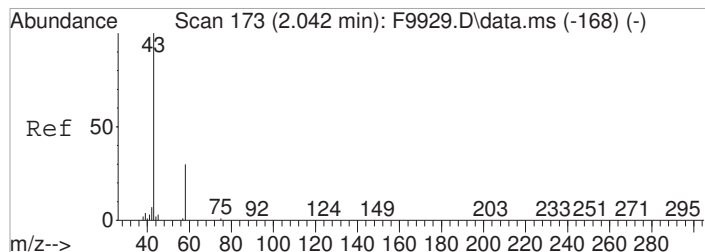
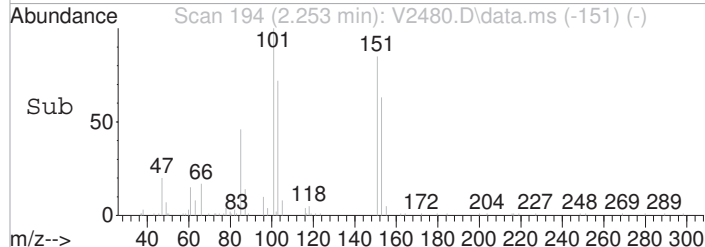
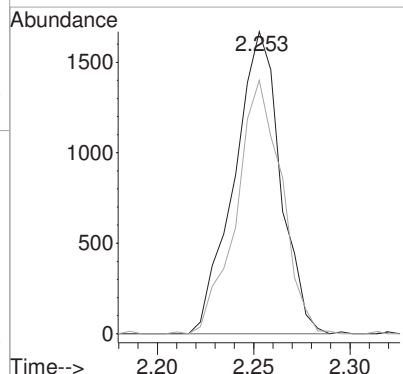
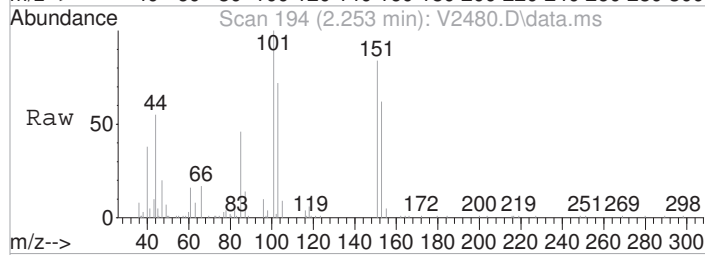
Tgt Ion: 67 Resp: 6346
 Ion Ratio Lower Upper
 67 100
 117 75.4 47.9 87.9





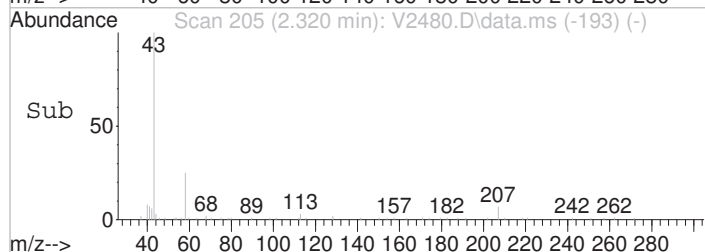
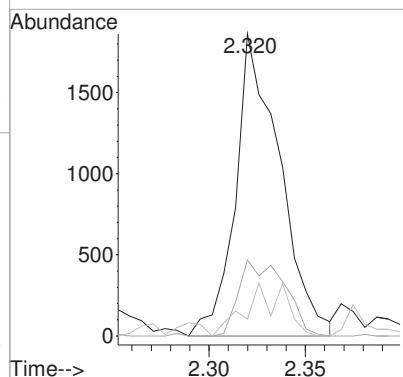
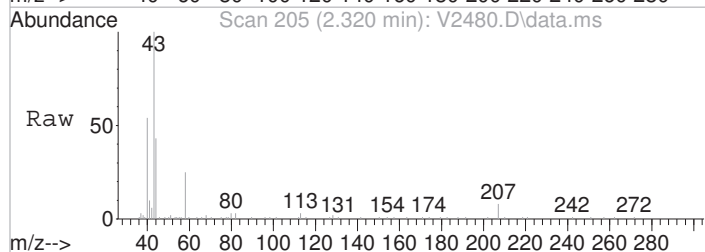
#14
 Freon 113
 Concen: 0.59 ug/L
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

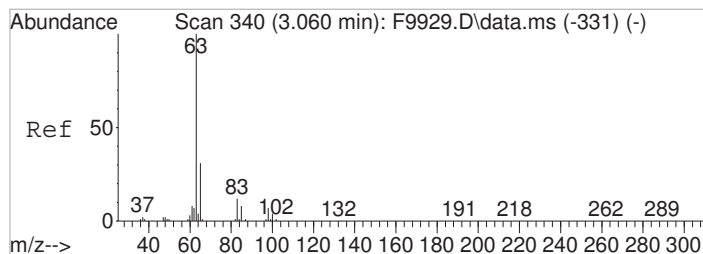
Tgt Ion: 101 Resp: 2795
 Ion Ratio Lower Upper
 101 100
 151 83.9 60.2 100.2



#15
 Acetone
 Concen: 0.84 ug/L
 RT: 2.320 min Scan# 205
 Delta R.T. -0.002 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

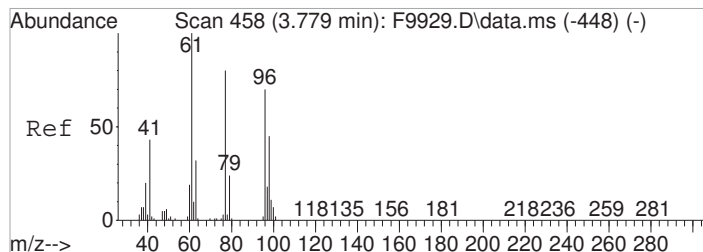
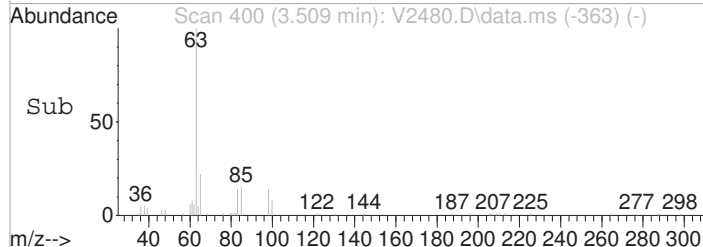
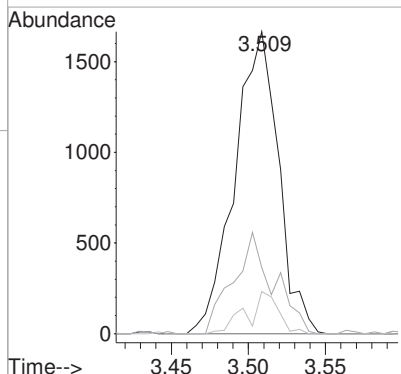
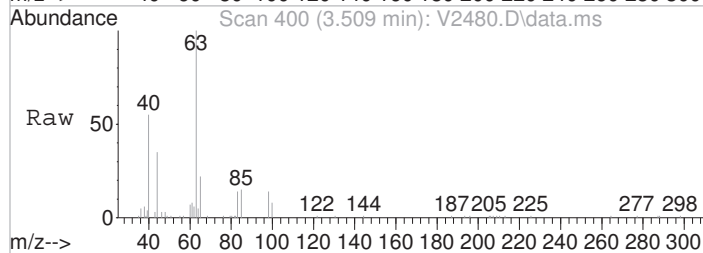
Tgt Ion: 43 Resp: 2975
 Ion Ratio Lower Upper
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 58 25.2 9.8 49.8
 42 5.6 0.0 27.4





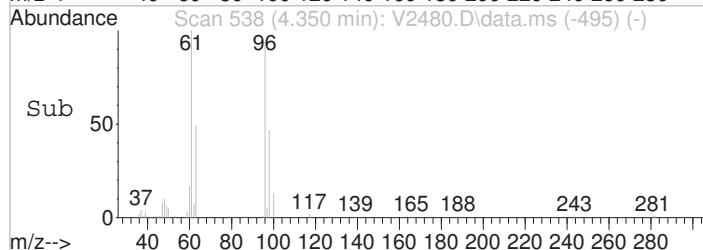
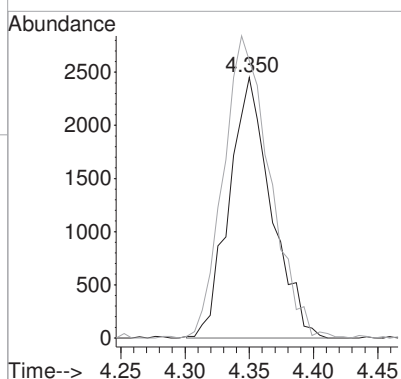
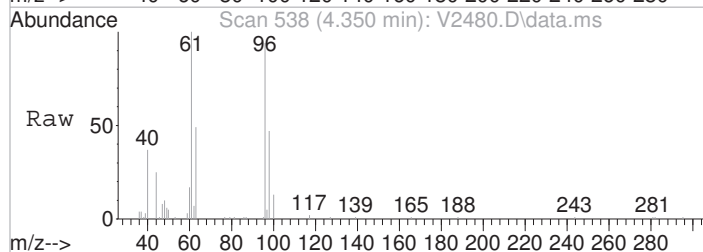
#27
 1,1-Dicethane
 Concen: 0.34 ug/L
 RT: 3.509 min Scan# 400
 Delta R.T. 0.004 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

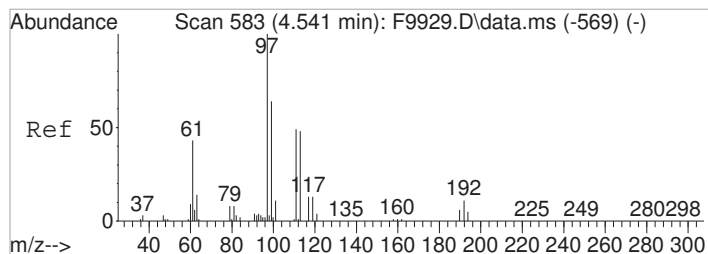
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	3280		
65	21.9	11.1	51.1	
83	14.0	0.0	32.5	



#33
 cis-1,2-Dichloroethene
 Concen: 0.94 ug/L
 RT: 4.350 min Scan# 538
 Delta R.T. 0.004 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

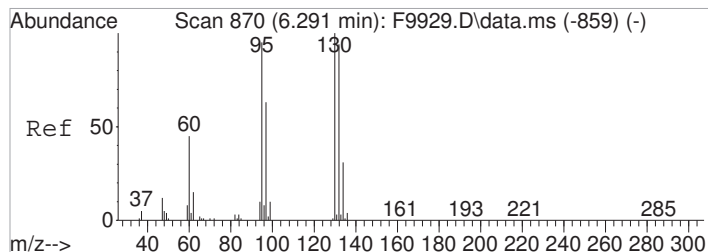
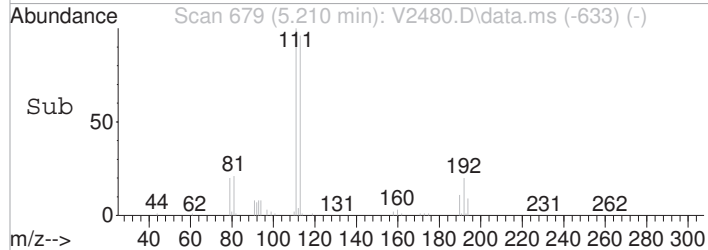
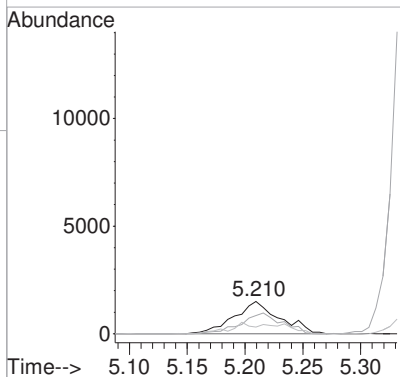
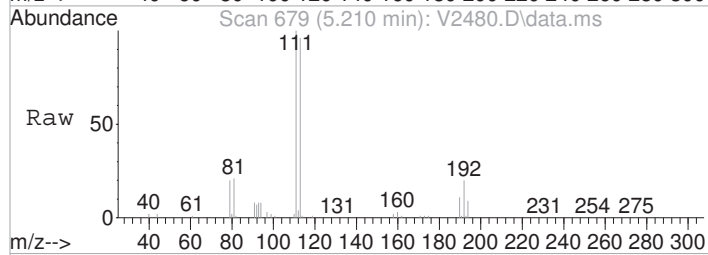
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	5602		
61	106.4	122.3	162.3	#





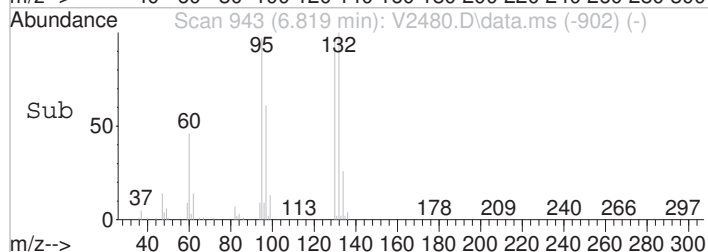
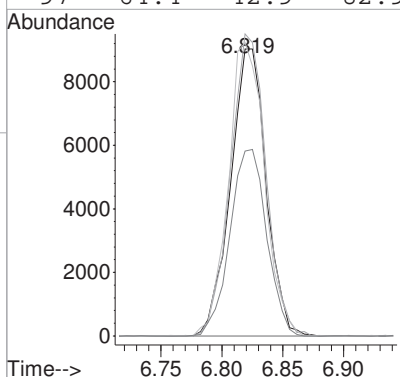
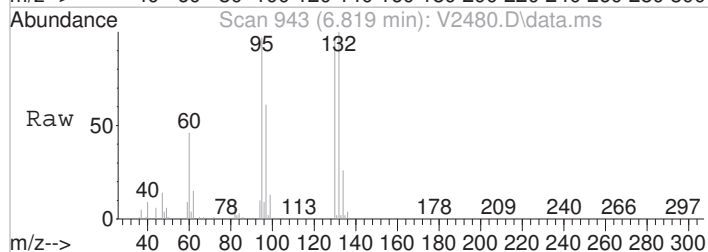
#40
 1,1,1-Trichloroethane
 Concen: 0.49 ug/L
 RT: 5.210 min Scan# 679
 Delta R.T. 0.004 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

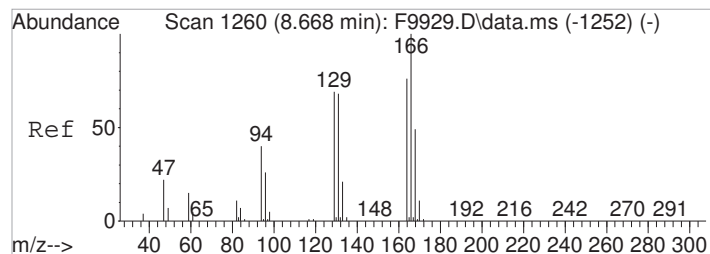
Tgt Ion:	97	Resp:	4059
Ion Ratio	Lower	Upper	
97	100		
99	56.5	43.6	83.6
61	20.5	23.0	63.0#



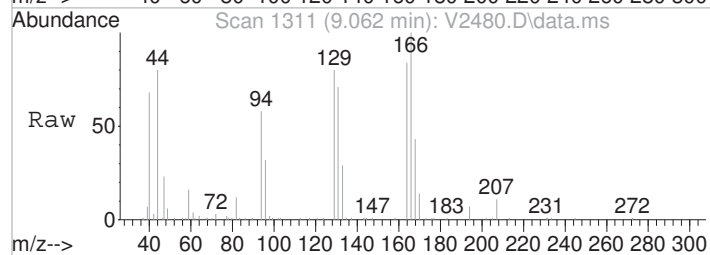
#53
 Trichloroethene
 Concen: 3.30 ug/L
 RT: 6.819 min Scan# 943
 Delta R.T. -0.002 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm

Tgt Ion:	130	Resp:	18393
Ion Ratio	Lower	Upper	
130	100		
132	105.2	73.8	113.8
95	102.2	75.4	115.4
97	64.4	42.9	82.9

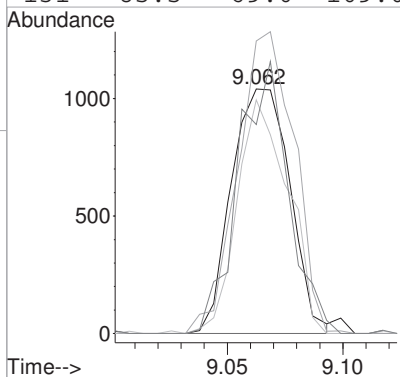
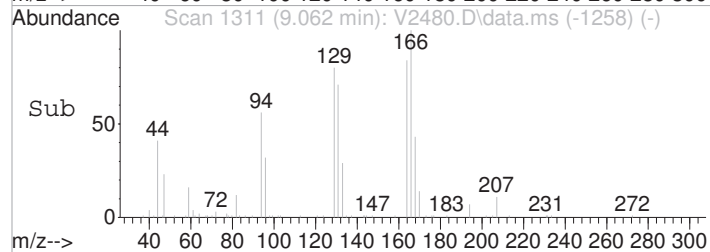




#71
 Tetrachloroethene
 Concen: 0.44 ug/L
 RT: 9.062 min Scan# 1311
 Delta R.T. -0.002 min
 Lab File: V2480.D
 Acq: 15 Mar 2022 1:55 pm



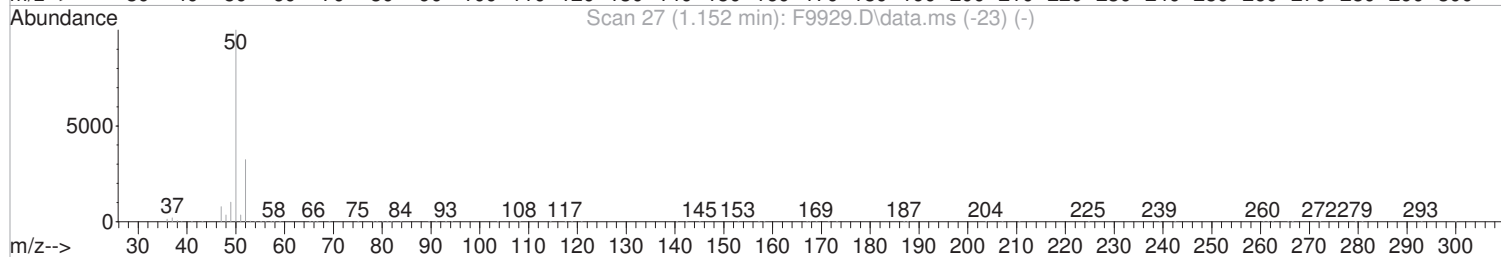
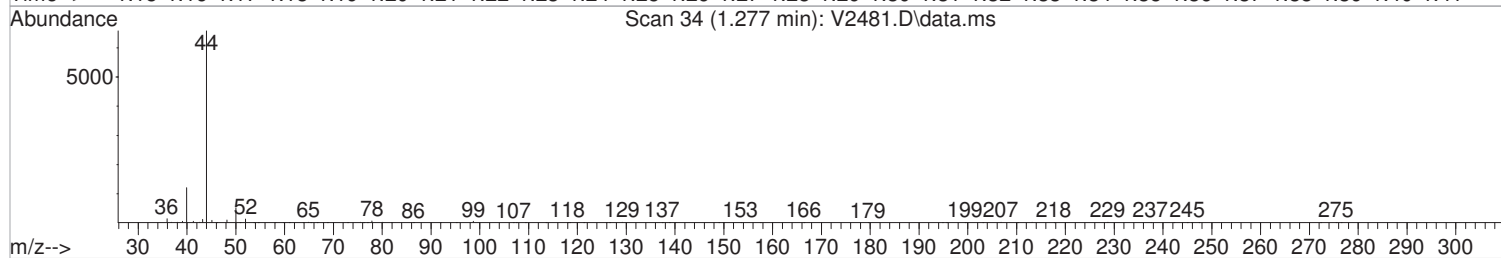
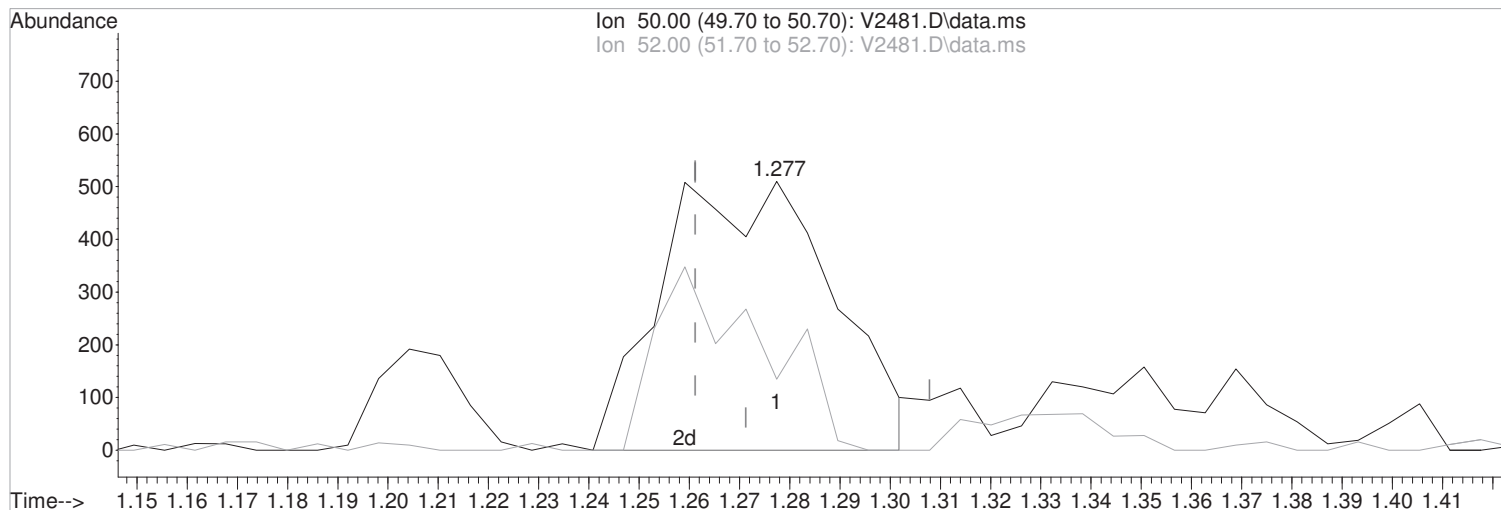
Tgt Ion:	164	Resp:	1822
Ion Ratio	Lower	Upper	
164	100		
166	119.7	111.5	151.5
129	95.6	71.1	111.1
131	85.5	69.0	109.0



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2481.D
Acq On : 15 Mar 2022 2:17 pm
Operator : F.NAEGLER
Sample : R2202100-003|1.0
Misc : VERINA 6646 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 15:40:40 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2481.D\data.ms

(3) Chloromethane (P)

1.277min (+0.016) 0.21 ug/L m

response 1203

Ion	Exp%	Act%
50.00	100	100
52.00	32.40	26.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

03/16/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2481.D
 Acq On : 15 Mar 2022 2:17 pm
 Operator : F.NAEGLER
 Sample : R2202100-003|1.0 Inst : MSVOA14
 Misc : VERINA 6646 T4
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 16:12:15 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

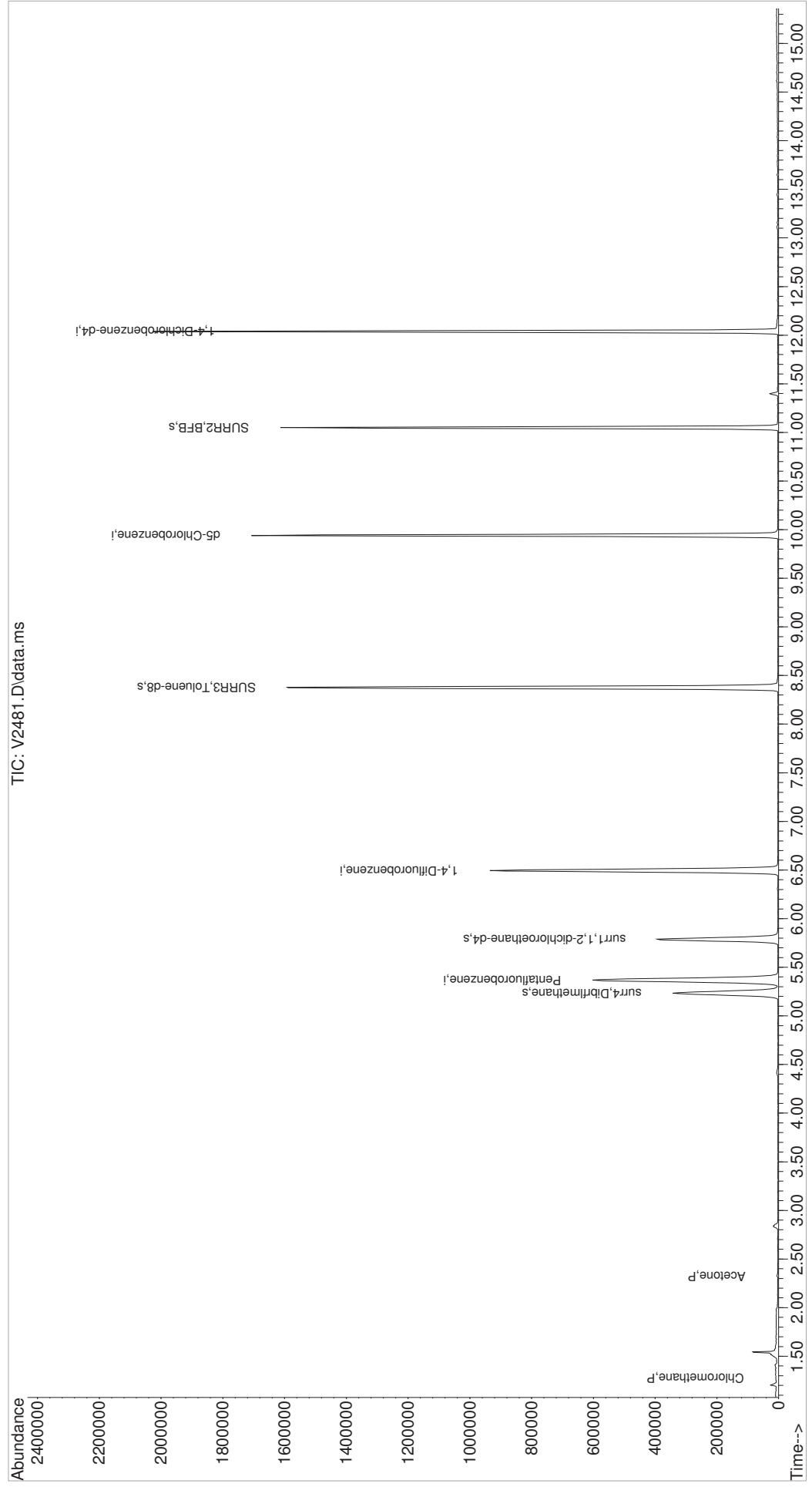
Internal Standards						
1) Pentafluorobenzene	5.368	168	581248	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	837953	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	762416	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.037	152	401844	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	275764	52.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	104.54%
47) surr1,1,2-dichloroetha...	5.789	65	353013	54.20	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	108.40%
64) SURR3,Toluene-d8	8.380	98	1019484	51.19	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.38%
69) SURR2,BFB	11.050	95	396621	51.34	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	102.68%
Target Compounds						
3) Chloromethane	1.277	50	1203m	0.21	ug/L	Qvalue
15) Acetone	2.326	43	2931	0.83	ug/L	80

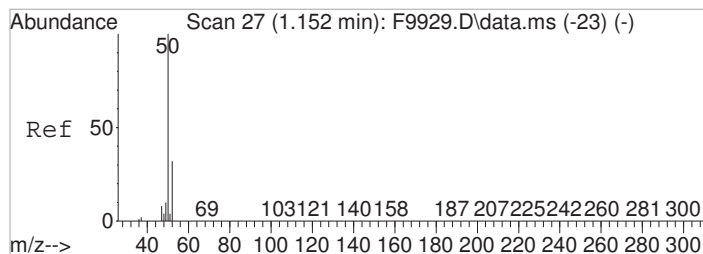
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2481.D
Acq On : 15 Mar 2022 2:17 pm
Operator : F.NAEGLER
Sample : R2202100-003|1.0
Misc : VERINA 6646 T4
ALS Vial : 9 Sample Multiplier: 1

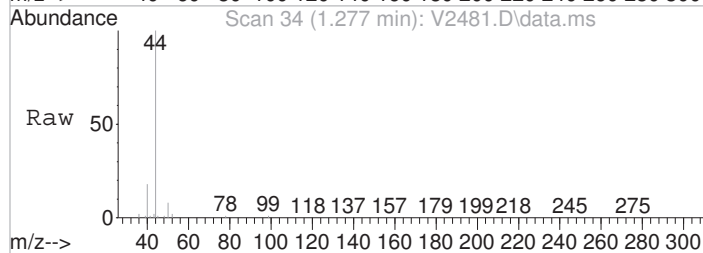
Inst : MSVOA14

Quant Time: Mar 16 16:12:15 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration

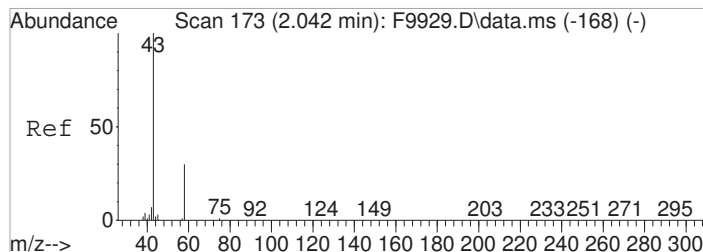
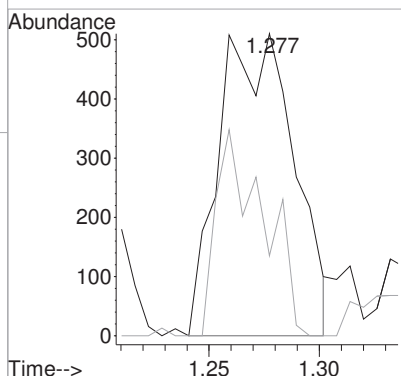
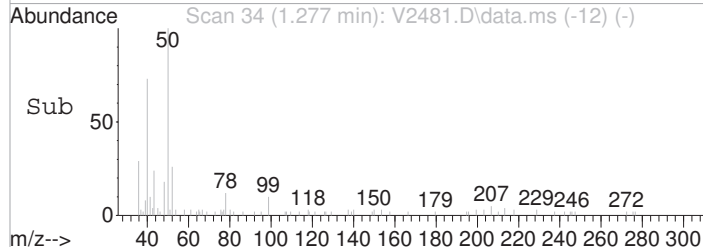




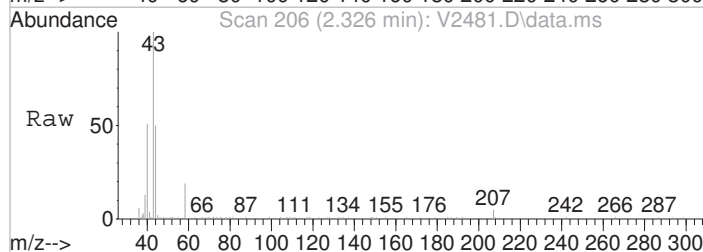
#3
 Chloromethane
 Concen: 0.21 ug/L m
 RT: 1.277 min Scan# 34
 Delta R.T. 0.016 min
 Lab File: V2481.D
 Acq: 15 Mar 2022 2:17 pm



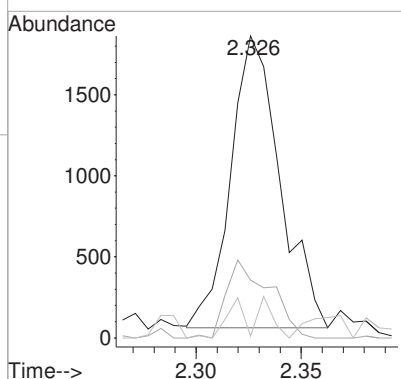
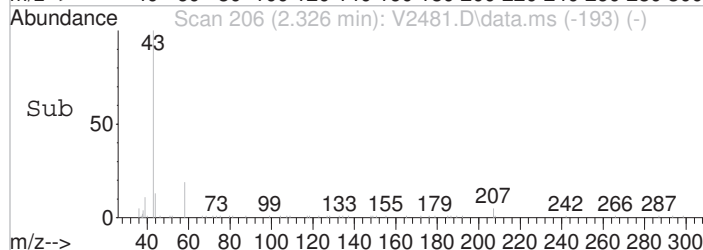
Tgt Ion: 50 Resp: 1203
 Ion Ratio Lower Upper
 50 100
 52 26.5 12.4 52.4



#15
 Acetone
 Concen: 0.83 ug/L
 RT: 2.326 min Scan# 206
 Delta R.T. 0.004 min
 Lab File: V2481.D
 Acq: 15 Mar 2022 2:17 pm



Tgt Ion: 43 Resp: 2931
 Ion Ratio Lower Upper
 43 100
 58 19.2 9.8 49.8
 42 0.6 0.0 27.4



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2495.D
 Acq On : 15 Mar 2022 7:28 pm
 Operator : F.NAEGLER
 Sample : R2202100-004|1.0
 Misc : VERINA 6646 T4
 ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:34:54 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

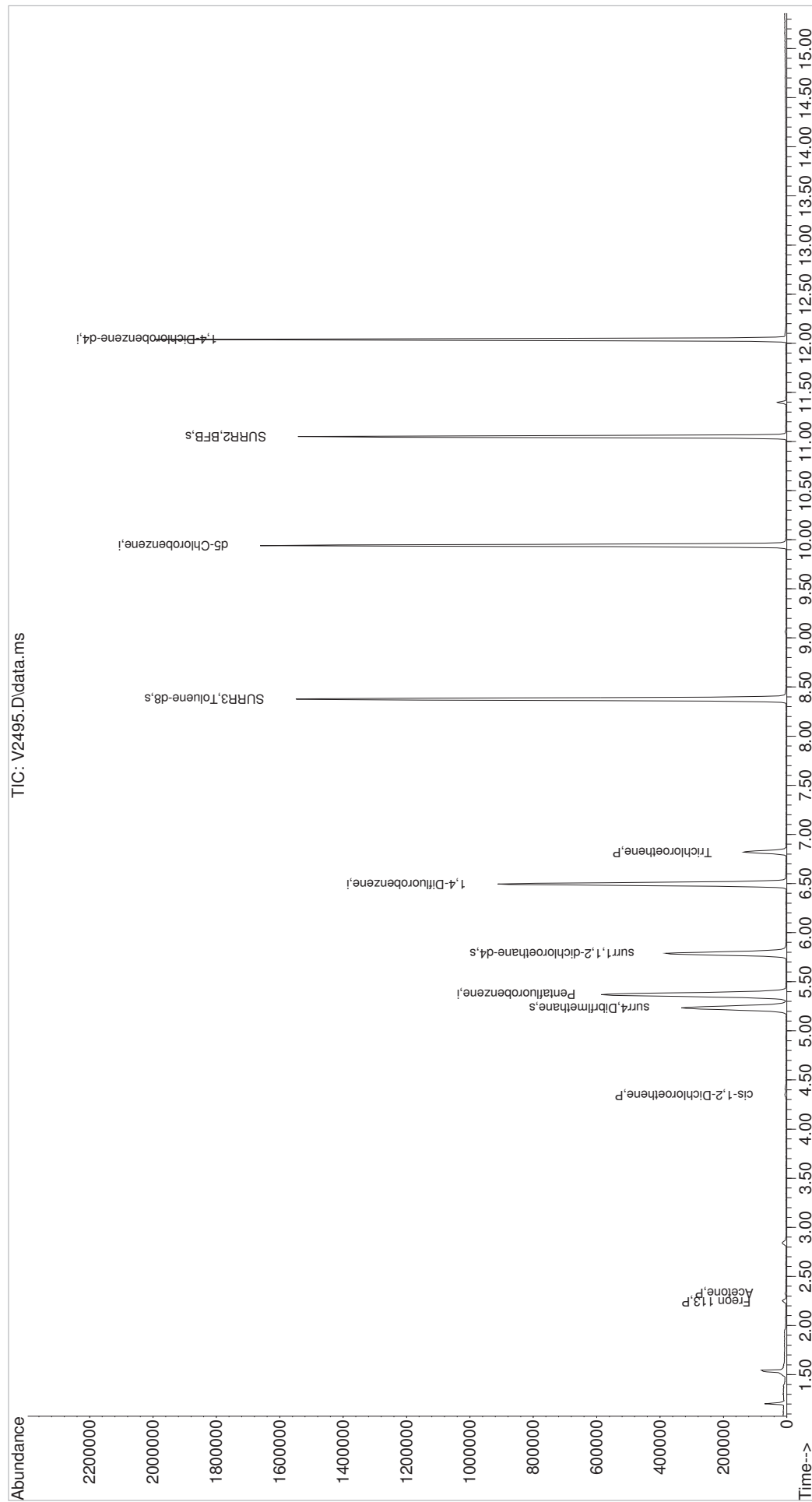
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

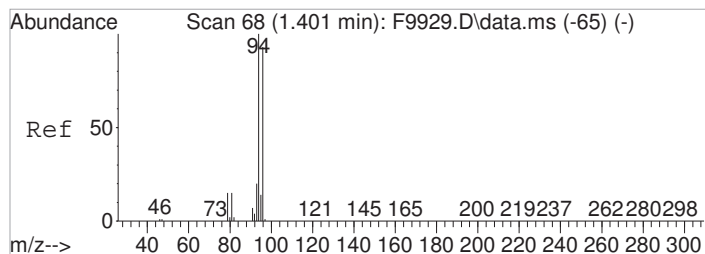
Internal Standards						
1) Pentafluorobenzene	5.374	168	569098	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	827066	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	741783	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	383845	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	269432	51.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	103.50%
47) surr1,1,2-dichloroetha...	5.789	65	341389	53.10	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	106.20%
64) SURR3,Toluene-d8	8.380	98	993501	50.54	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.08%
69) SURR2,BFB	11.050	95	380445	49.89	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	99.78%
Target Compounds						
5) Bromomethane	1.552	94	334	Below Cal	#	64
14) Freon 113	2.247	101	3875	0.82	ug/L	98
15) Acetone	2.332	43	2929	0.84	ug/L	89
33) cis-1,2-Dichloroethene	4.344	96	2252	0.38	ug/L	# 74
53) Trichloroethene	6.819	130	48624	8.78	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2495.D
 Acq On : 15 Mar 2022 7:28 pm
 Operator : F.NAEGLER
 Sample : R2202100-004|1.0
 Misc : VERINA 6646 T4
 ALS Vial : 23 Sample Multiplier: 1
 Inst : MSVOA14

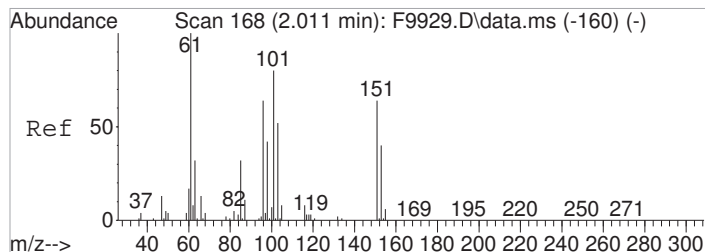
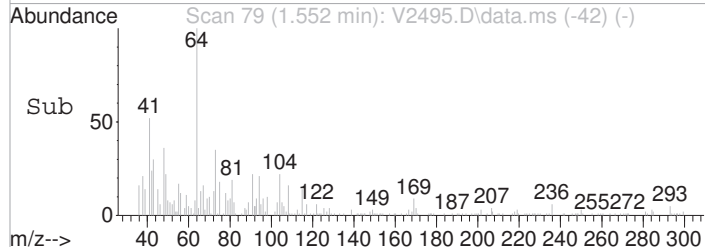
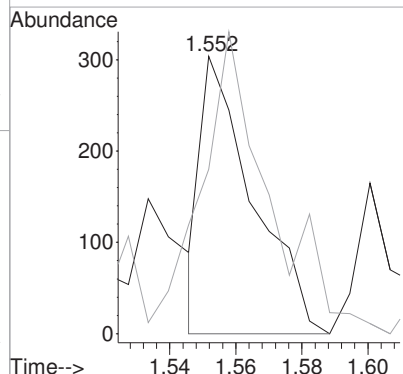
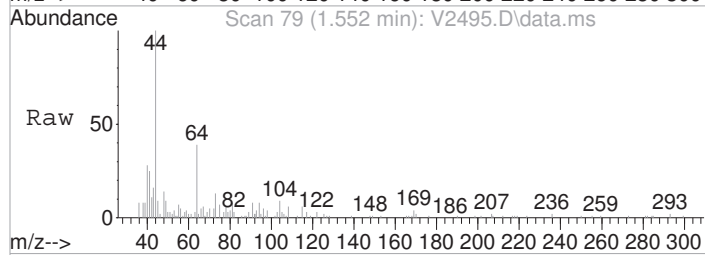
Quant Time: Mar 16 16:34:54 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration





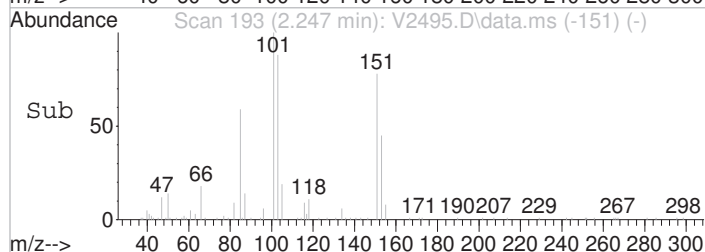
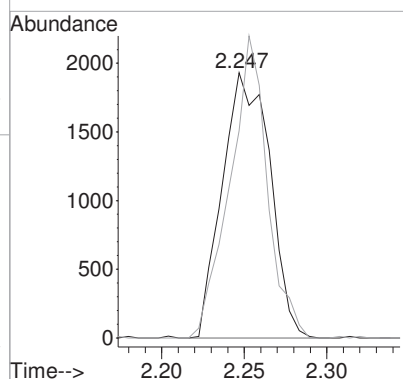
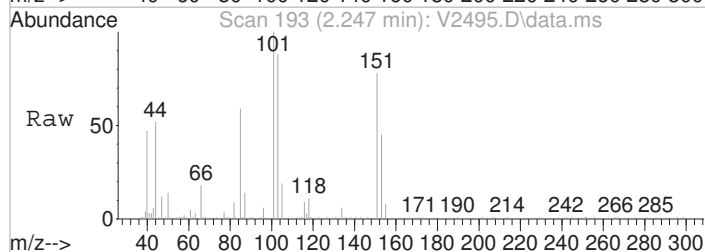
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.552 min Scan# 79
 Delta R.T. -0.002 min
 Lab File: V2495.D
 Acq: 15 Mar 2022 7:28 pm

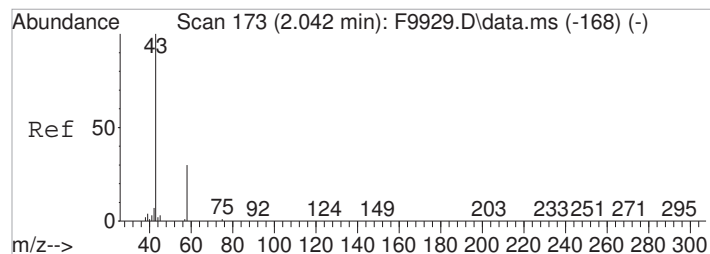
Tgt Ion: 94 Resp: 334
 Ion Ratio Lower Upper
 94 100
 96 59.2 73.5 113.5#



#14
 Freon 113
 Concen: 0.82 ug/L
 RT: 2.247 min Scan# 193
 Delta R.T. -0.002 min
 Lab File: V2495.D
 Acq: 15 Mar 2022 7:28 pm

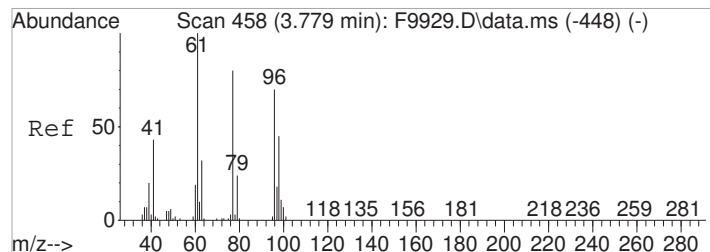
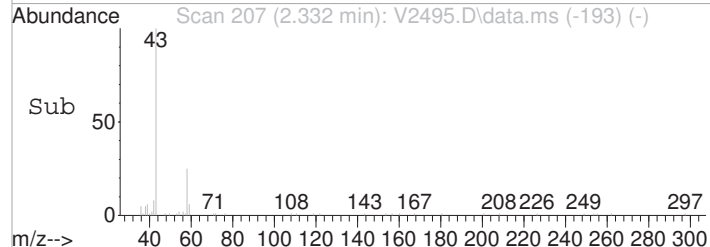
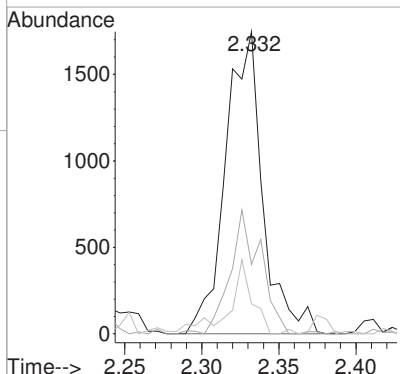
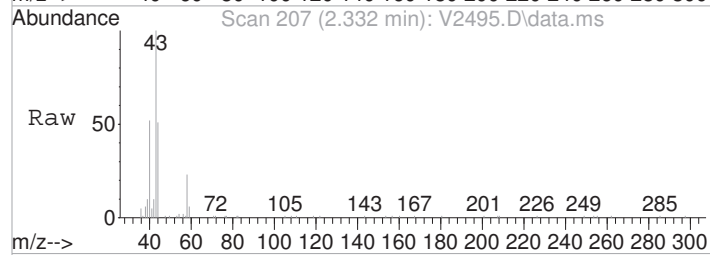
Tgt Ion: 101 Resp: 3875
 Ion Ratio Lower Upper
 101 100
 151 78.2 60.2 100.2





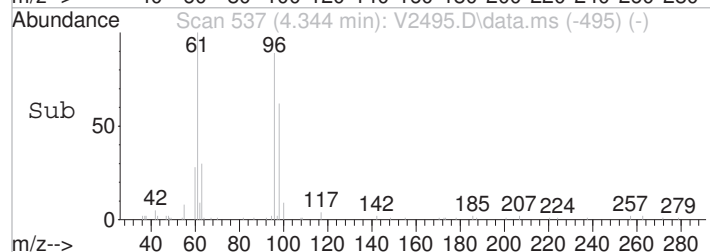
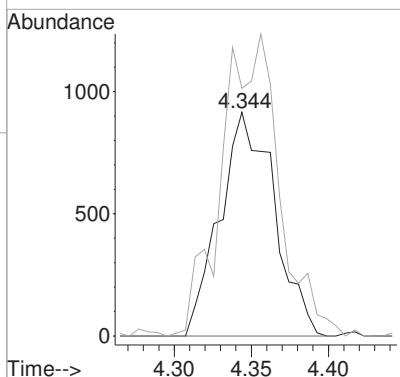
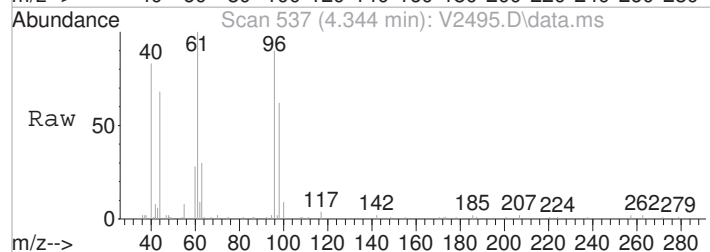
#15
 Acetone
 Concen: 0.84 ug/L
 RT: 2.332 min Scan# 207
 Delta R.T. 0.010 min
 Lab File: V2495.D
 Acq: 15 Mar 2022 7:28 pm

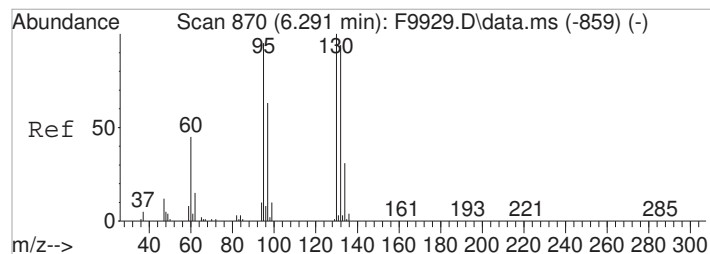
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	2929		
58	23.0	9.8	49.8	
42	9.8	0.0	27.4	



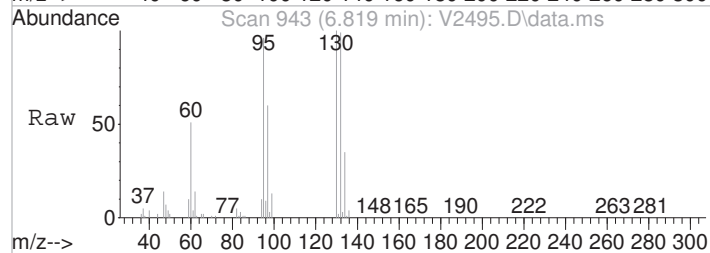
#33
 cis-1,2-Dichloroethene
 Concen: 0.38 ug/L
 RT: 4.344 min Scan# 537
 Delta R.T. -0.002 min
 Lab File: V2495.D
 Acq: 15 Mar 2022 7:28 pm

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	2252		
61	110.7	122.3	162.3	#

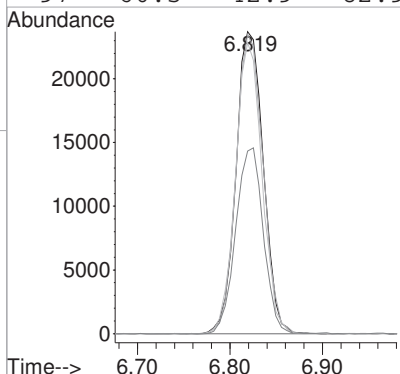
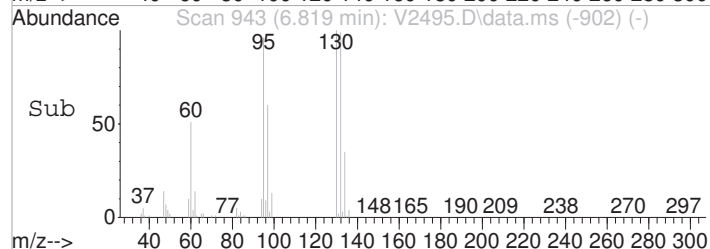




#53
 Trichloroethene
 Concen: 8.78 ug/L
 RT: 6.819 min Scan# 943
 Delta R.T. -0.002 min
 Lab File: V2495.D
 Acq: 15 Mar 2022 7:28 pm



Tgt Ion:	130	Resp:	48624
Ion Ratio	Lower	Upper	
130	100		
132	99.2	73.8	113.8
95	96.4	75.4	115.4
97	60.5	42.9	82.9



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2496.D
 Acq On : 15 Mar 2022 7:50 pm
 Operator : F.NAEGLER
 Sample : R2202100-006|1.0
 Misc : VERINA 6646 T4
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:36:46 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

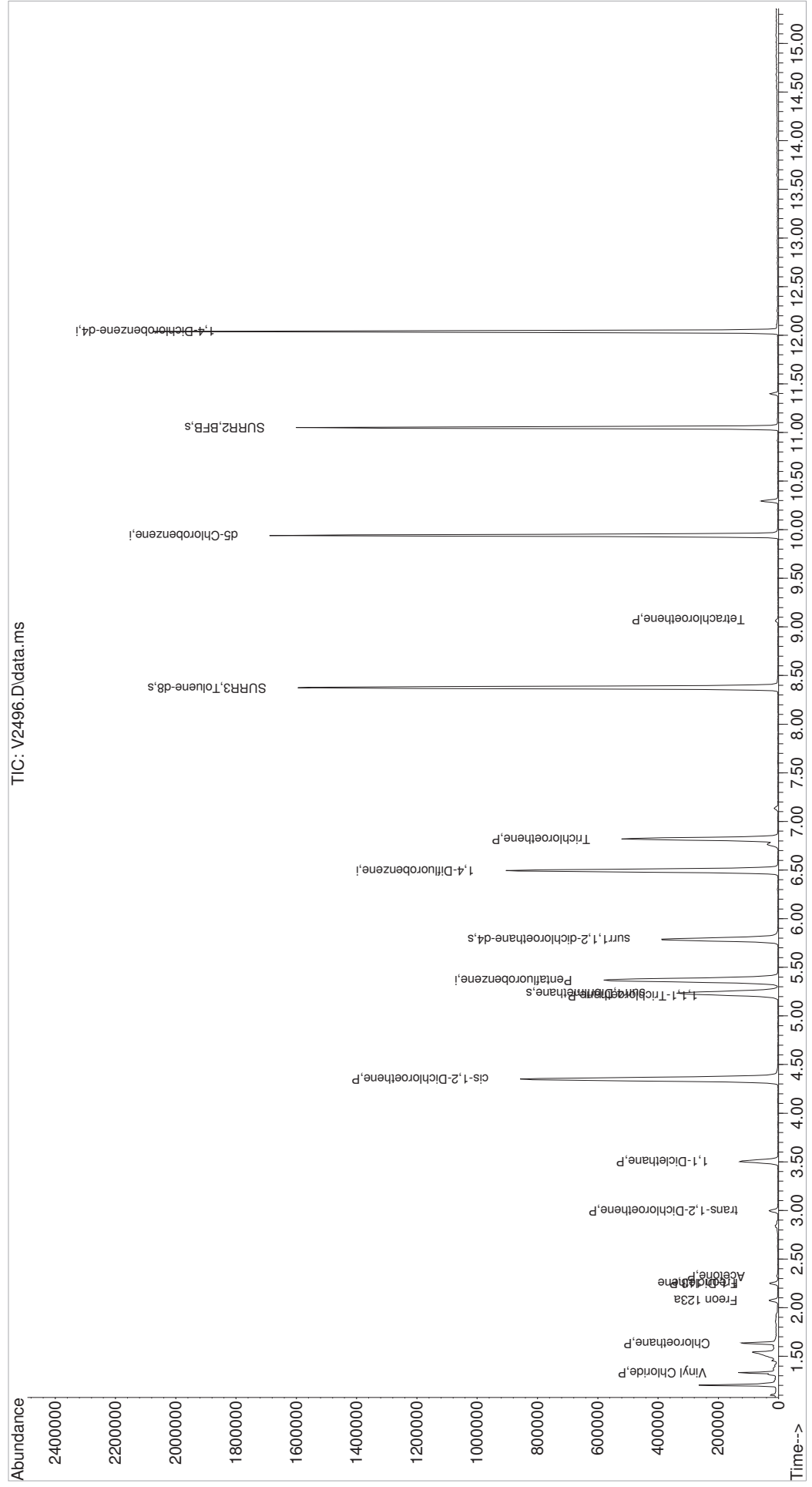
Compound		R.T.	QIon	Response	Conc	Units	Dev (Min)

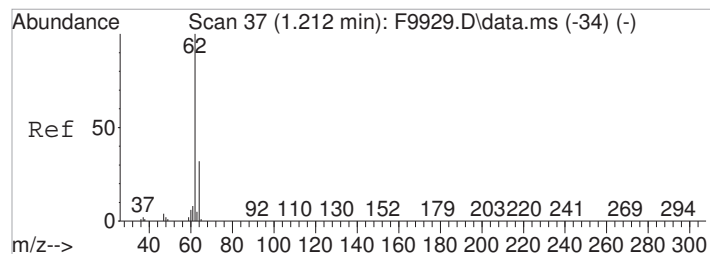
Internal Standards							
1) Pentafluorobenzene		5.368	168	569281	50.00	ug/L	0.00
42) 1,4-Difluorobenzene		6.496	114	815757	50.00	ug/L	0.00
70) d5-Chlorobenzene		9.941	117	744892	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4		12.038	152	395606	50.00	ug/L	0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane		5.234	113	270671	52.70	ug/L	0.00
Spiked Amount	50.000	Range 80	- 116	Recovery	=	105.40%	
47) surr1,1,2-dichloroetha...		5.789	65	349070	55.05	ug/L	0.00
Spiked Amount	50.000	Range 73	- 125	Recovery	=	110.10%	
64) SURR3,Toluene-d8		8.374	98	1004884	51.83	ug/L	0.00
Spiked Amount	50.000	Range 87	- 121	Recovery	=	103.66%	
69) SURR2,BFB		11.050	95	392980	52.25	ug/L	0.00
Spiked Amount	50.000	Range 85	- 122	Recovery	=	104.50%	
Target Compounds							
							Qvalue
4) Vinyl Chloride		1.332	62	65008	11.38	ug/L	100
5) Bromomethane		1.552	94	350	Below Cal	#	60
6) Chloroethane		1.637	64	68342	19.96	ug/L	98
10) Freon 123a		2.076	67	11169	1.96	ug/L	82
13) 1,1-Dicethene		2.253	96	7885	1.70	ug/L	87
14) Freon 113		2.253	101	982	0.21	ug/L	78
15) Acetone		2.326	43	3691	1.06	ug/L	96
26) trans-1,2-Dichloroethene		2.997	96	10663	2.10	ug/L	95
27) 1,1-Dicethane		3.503	63	129453	13.66	ug/L	97
33) cis-1,2-Dichloroethene		4.350	96	502574	85.68	ug/L	88
40) 1,1,1-Trichloroethane		5.210	97	10100	1.24	ug/L	98
53) Trichloroethene		6.819	130	190512	34.87	ug/L	96
71) Tetrachloroethene		9.075	164	1656	0.41	ug/L #	68

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

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2496.D
Acq On : 15 Mar 2022 7:50 pm
Operator : F.NAEGLER
Sample : R2202100-006|1.0
Misc : VERINA 6646 T4
ALS Vial : 24 Sample Multiplier: 1
Inst : MSVOA14

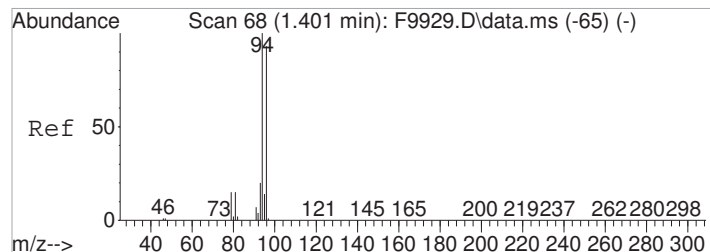
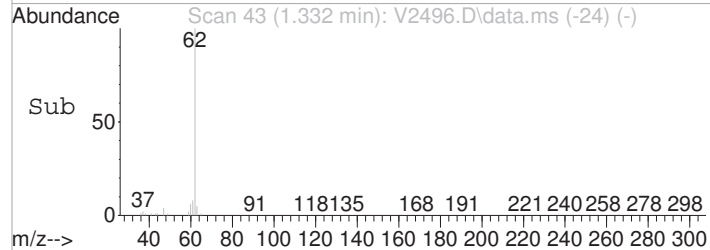
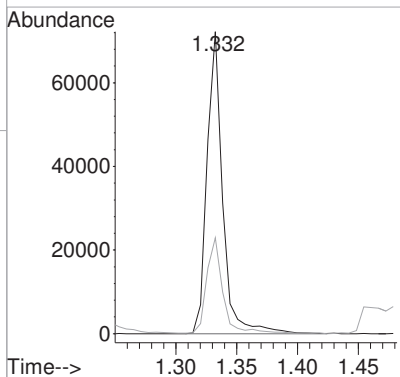
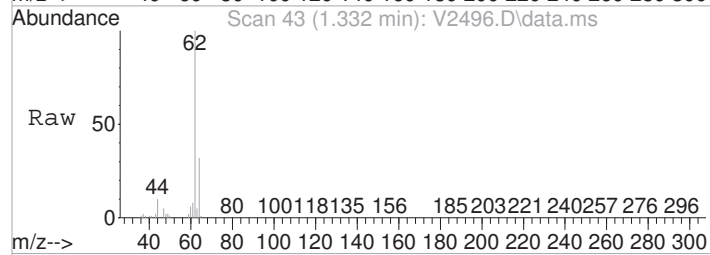
Quant Time: Mar 16 16:36:46 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration





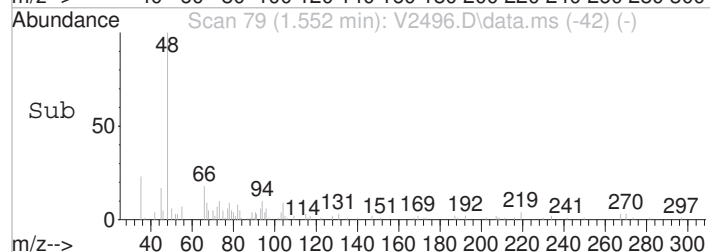
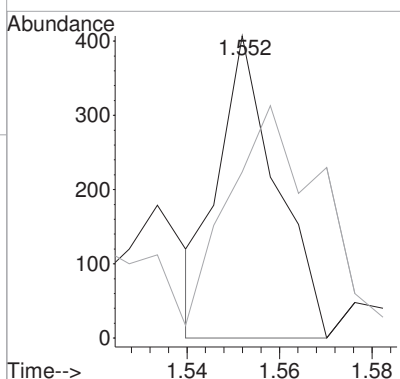
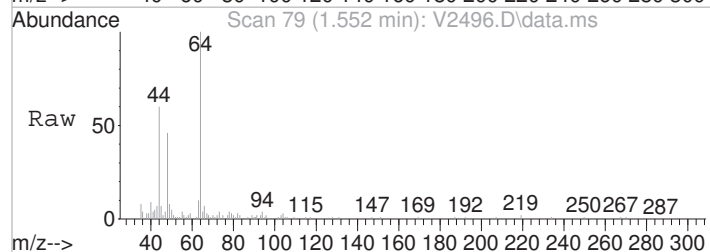
#4
 Vinyl Chloride
 Concen: 11.38 ug/L
 RT: 1.332 min Scan# 43
 Delta R.T. -0.002 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

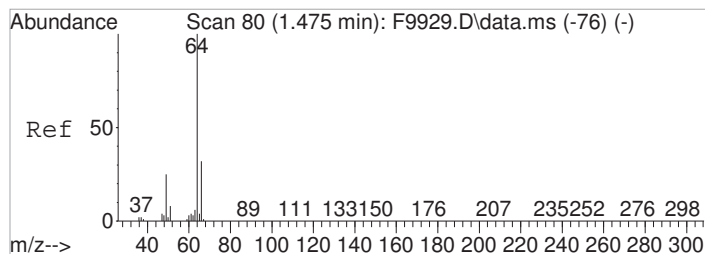
Tgt Ion: 62 Resp: 65008
 Ion Ratio Lower Upper
 62 100
 64 31.8 11.6 51.6



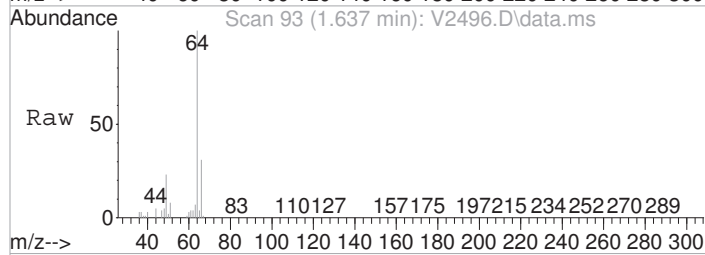
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.552 min Scan# 79
 Delta R.T. -0.002 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

Tgt Ion: 94 Resp: 350
 Ion Ratio Lower Upper
 94 100
 96 55.0 73.5 113.5#

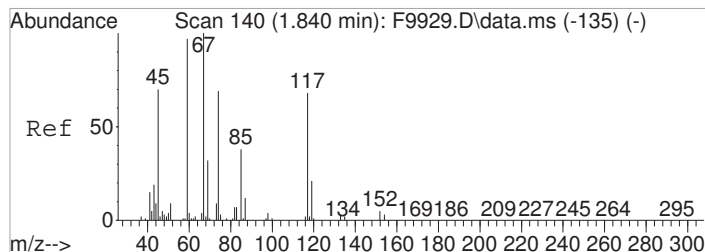
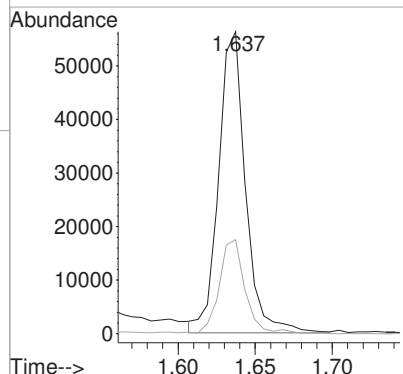
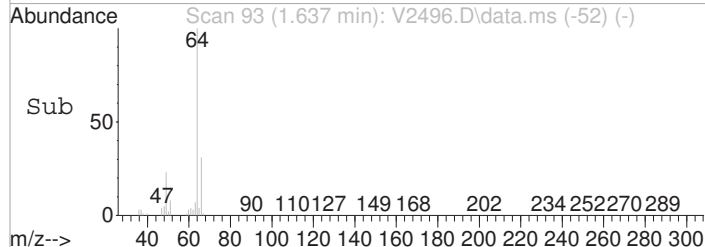




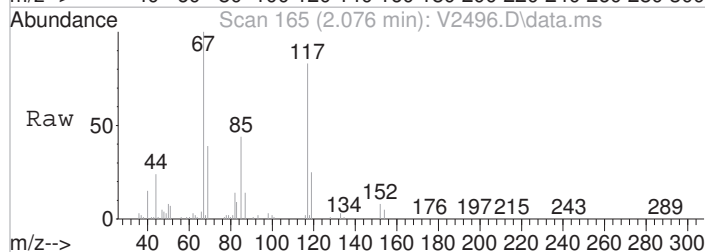
#6
 Chloroethane
 Concen: 19.96 ug/L
 RT: 1.637 min Scan# 93
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm



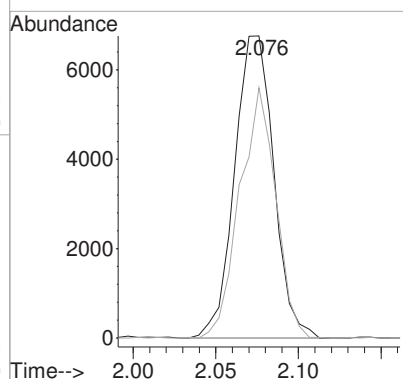
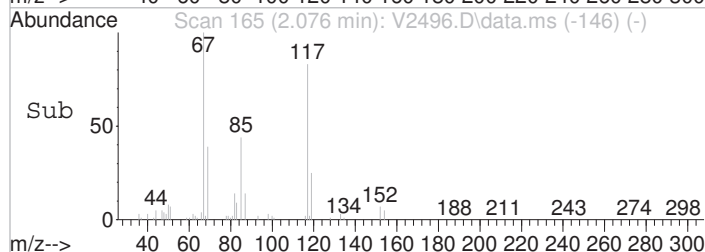
Tgt Ion: 64 Resp: 68342
 Ion Ratio Lower Upper
 64 100
 66 31.1 12.1 52.1

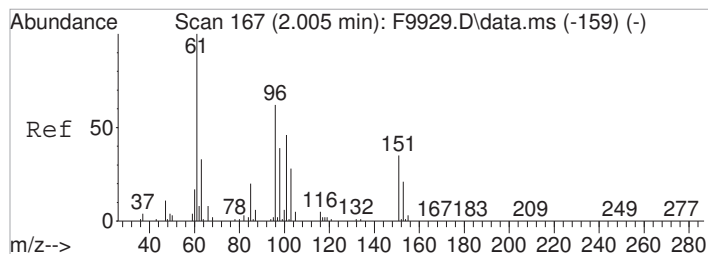


#10
 Freon 123a
 Concen: 1.96 ug/L
 RT: 2.076 min Scan# 165
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm



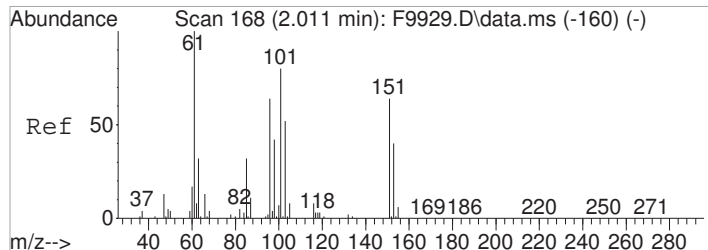
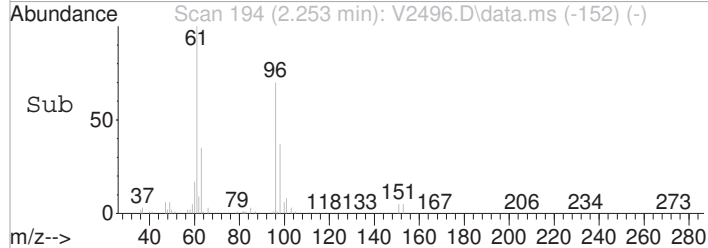
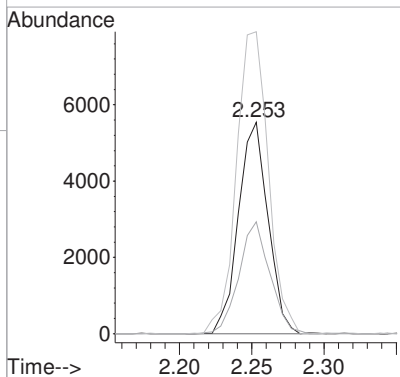
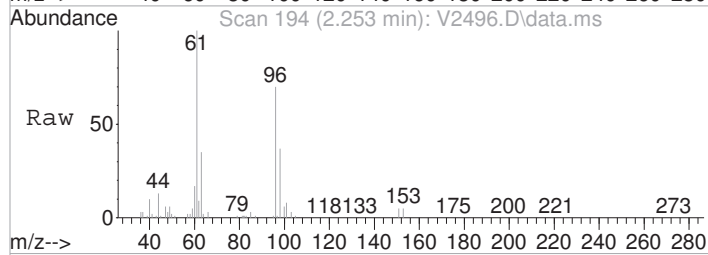
Tgt Ion: 67 Resp: 11169
 Ion Ratio Lower Upper
 67 100
 117 82.8 47.9 87.9





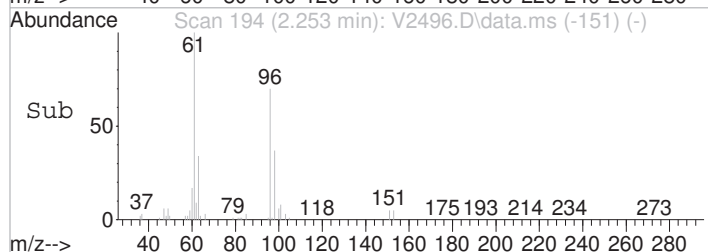
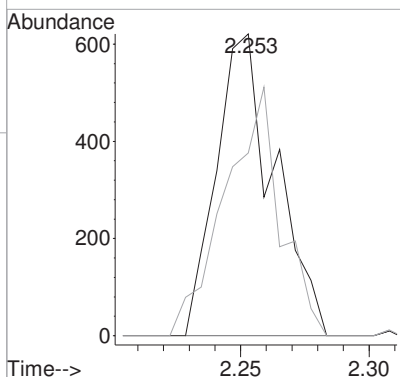
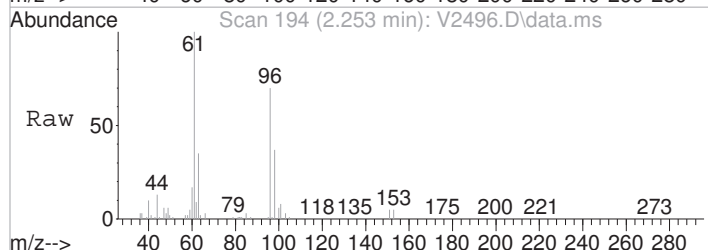
#13
 1,1-Dicloroethene
 Concen: 1.70 ug/L
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

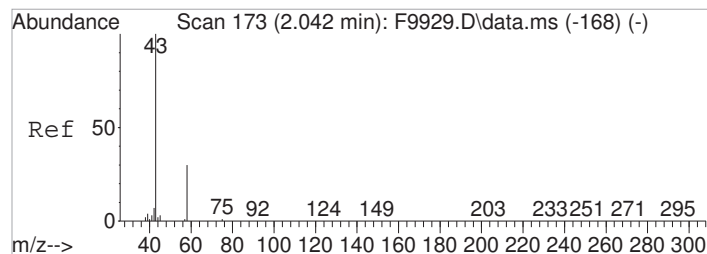
Tgt Ion	Ratio	Lower	Upper
96	100		
98	52.9	42.3	82.3
61	142.8	140.5	180.5



#14
 Freon 113
 Concen: 0.21 ug/L
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

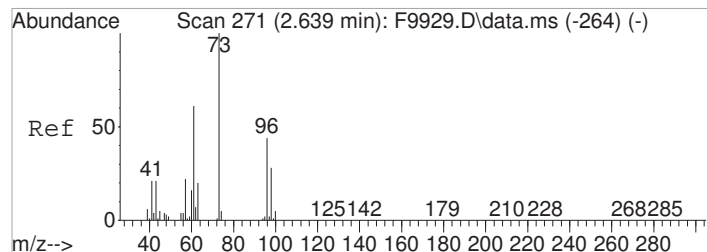
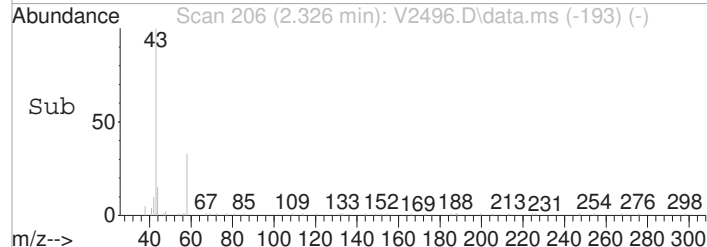
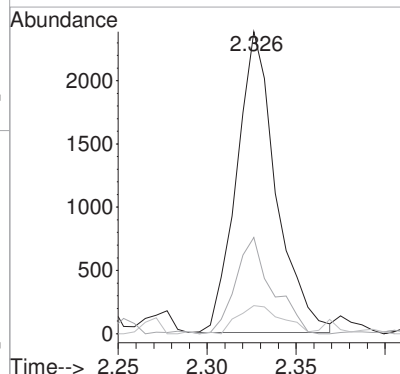
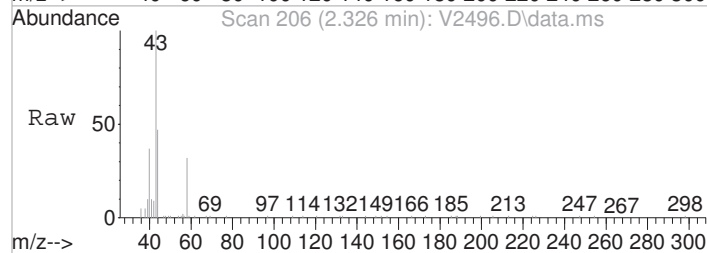
Tgt Ion	Ratio	Lower	Upper
101	100		
151	60.5	60.2	100.2





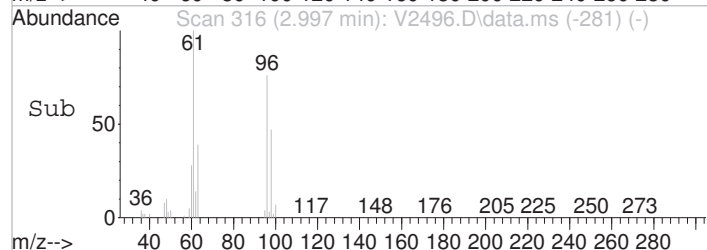
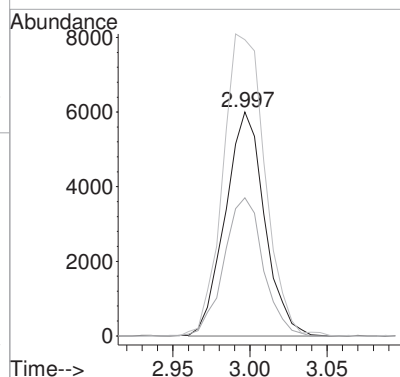
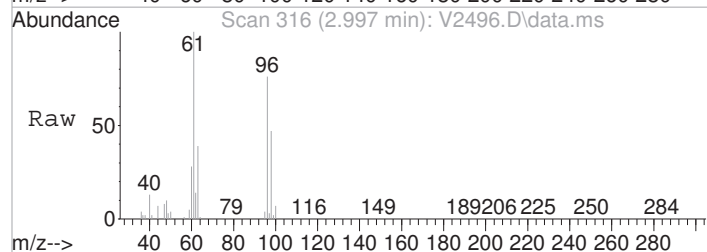
#15
 Acetone
 Concen: 1.06 ug/L
 RT: 2.326 min Scan# 206
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

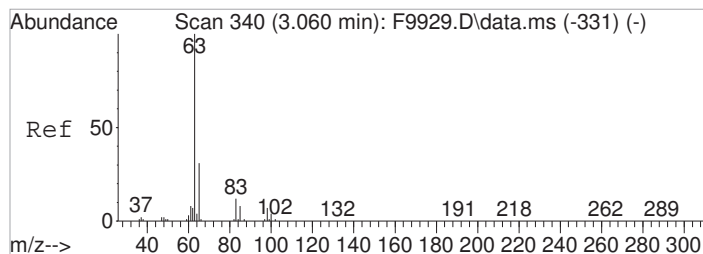
Tgt Ion	43	58	42	Ratio	3691	Lower	Upper
43	100						
58	31.8	9.8	49.8				
42	9.3	0.0	27.4				



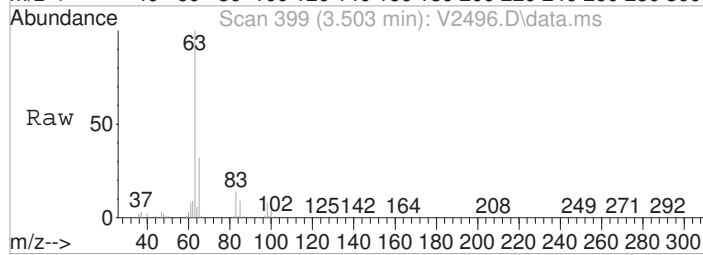
#26
 trans-1,2-Dichloroethene
 Concen: 2.10 ug/L
 RT: 2.997 min Scan# 316
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

Tgt Ion	96	98	61	Ratio	10663	Lower	Upper
96	100						
98	61.7	43.9	83.9				
61	132.3	119.3	159.3				

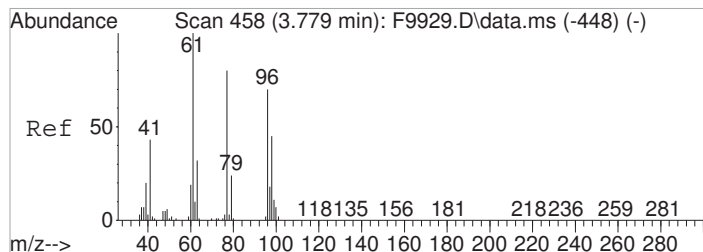
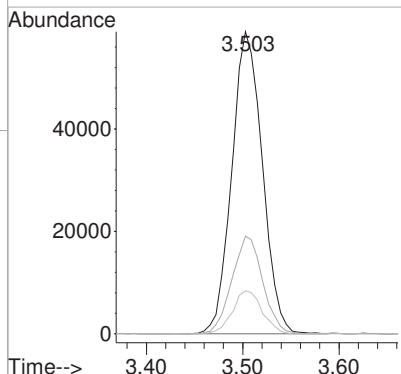
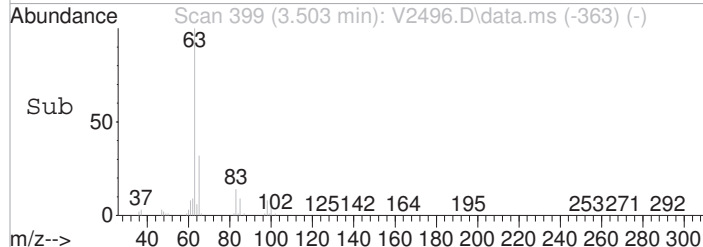




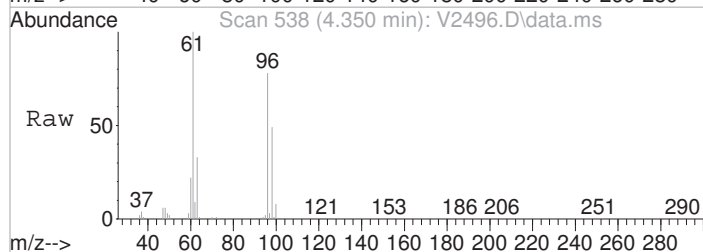
#27
 1,1-Dicethane
 Concen: 13.66 ug/L
 RT: 3.503 min Scan# 399
 Delta R.T. -0.002 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm



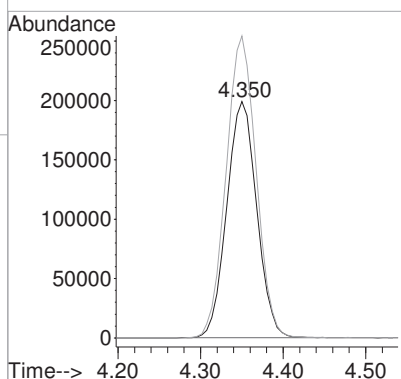
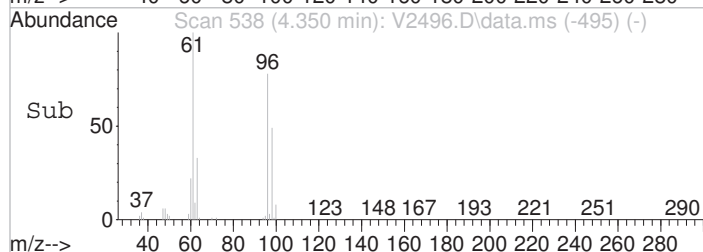
Tgt Ion: 63 Resp: 129453
 Ion Ratio Lower Upper
 63 100
 65 32.3 11.1 51.1
 83 14.2 0.0 32.5

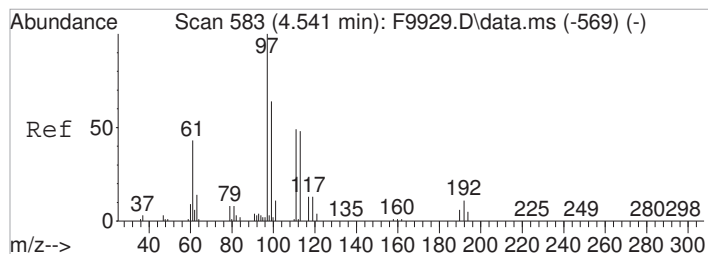


#33
 cis-1,2-Dichloroethene
 Concen: 85.68 ug/L
 RT: 4.350 min Scan# 538
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm



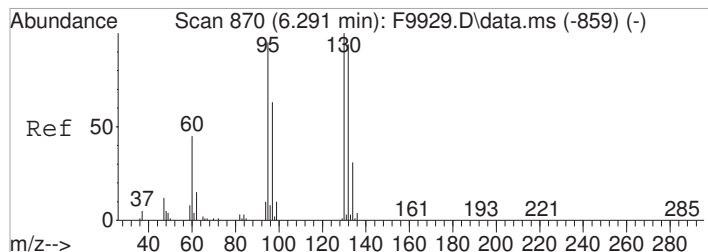
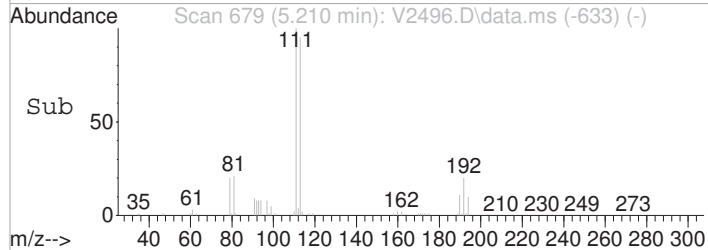
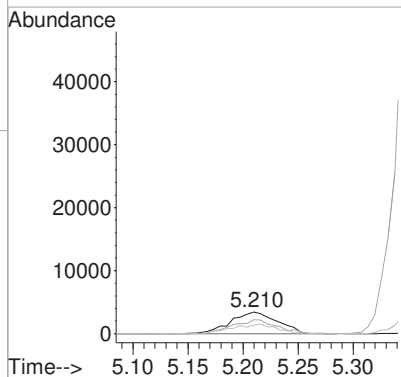
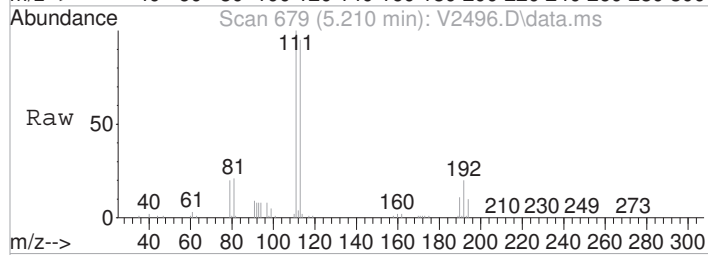
Tgt Ion: 96 Resp: 502574
 Ion Ratio Lower Upper
 96 100
 61 127.8 122.3 162.3





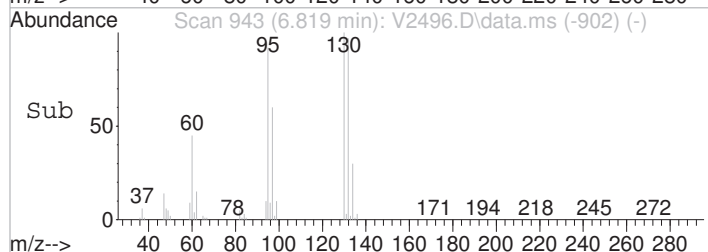
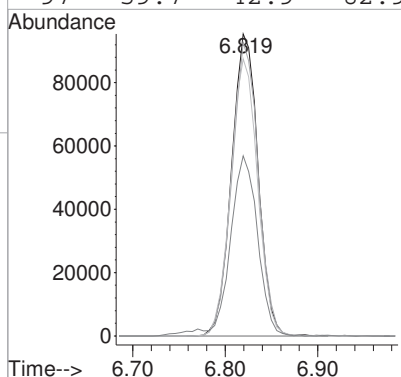
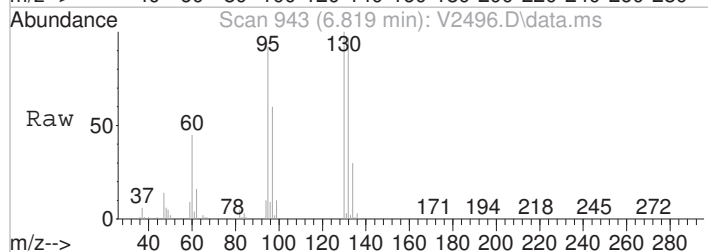
#40
 1,1,1-Trichloroethane
 Concen: 1.24 ug/L
 RT: 5.210 min Scan# 679
 Delta R.T. 0.004 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

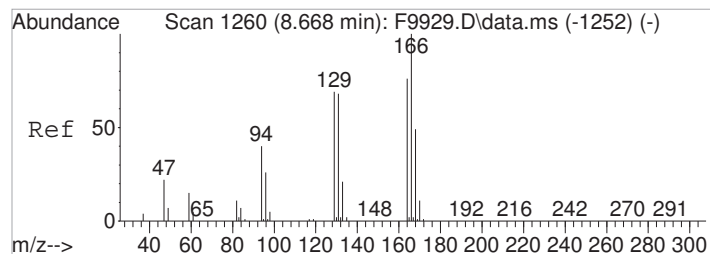
Tgt Ion	97	Resp	10100
Ion Ratio	Lower	Upper	
97	100		
99	64.4	43.6	83.6
61	40.3	23.0	63.0



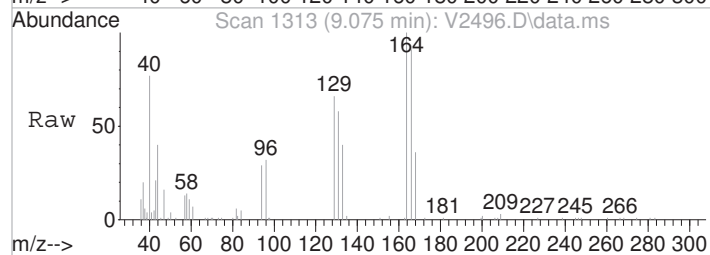
#53
 Trichloroethene
 Concen: 34.87 ug/L
 RT: 6.819 min Scan# 943
 Delta R.T. -0.002 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm

Tgt Ion	130	Resp	190512
Ion Ratio	Lower	Upper	
130	100		
132	97.2	73.8	113.8
95	91.8	75.4	115.4
97	59.7	42.9	82.9

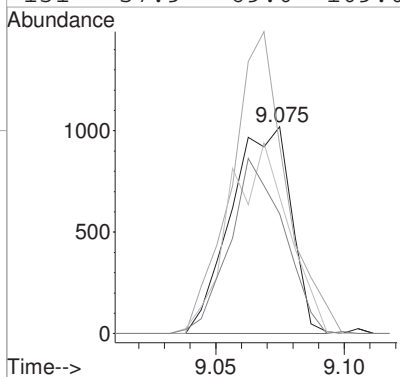
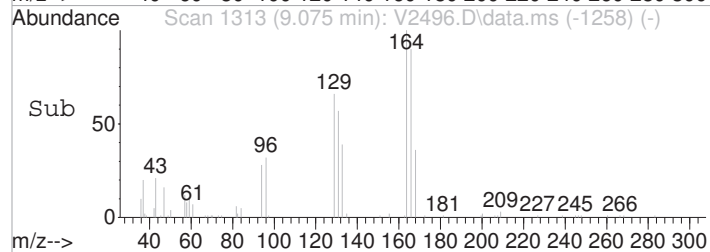




#71
 Tetrachloroethene
 Concen: 0.41 ug/L
 RT: 9.075 min Scan# 1313
 Delta R.T. 0.010 min
 Lab File: V2496.D
 Acq: 15 Mar 2022 7:50 pm



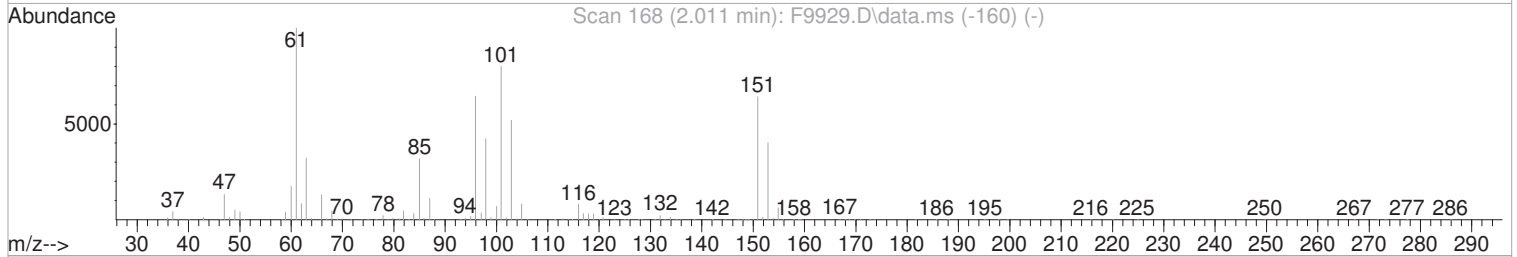
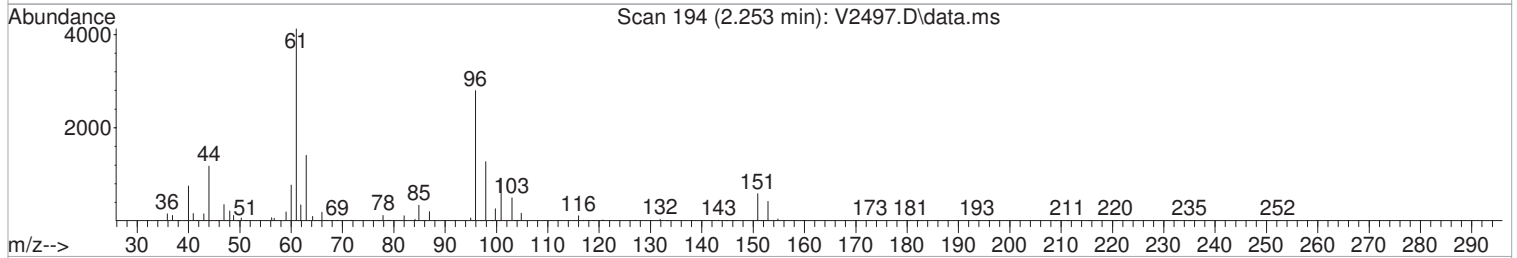
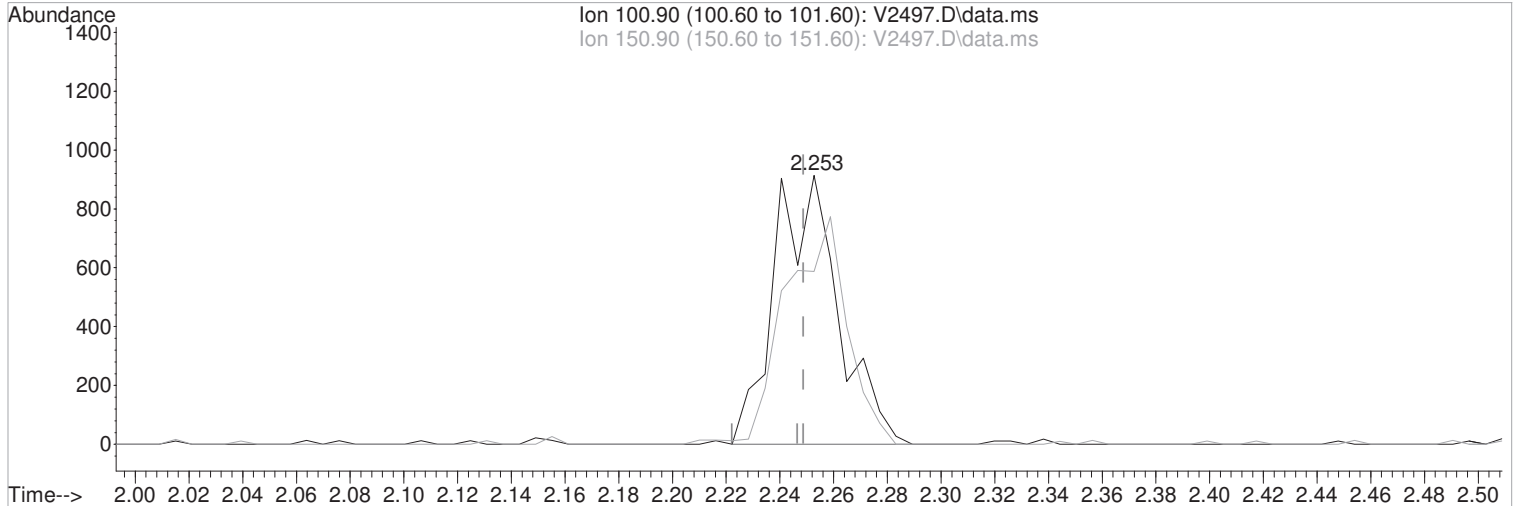
Tgt Ion:	164	Resp:	1656
Ion Ratio	Lower	Upper	
164	100		
166	91.1	111.5	151.5#
129	66.1	71.1	111.1#
131	57.9	69.0	109.0#



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2497.D
 Acq On : 15 Mar 2022 8:12 pm
 Operator : F.NAEGLER
 Sample : R2202100-007|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:18 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration



TIC: V2497.D\data.ms

(14) Freon 113 (P)

2.253min (+0.004) 0.31 ug/L m

response 1509

Ion	Exp%	Act%
100.90	100	100
150.90	80.20	64.22
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

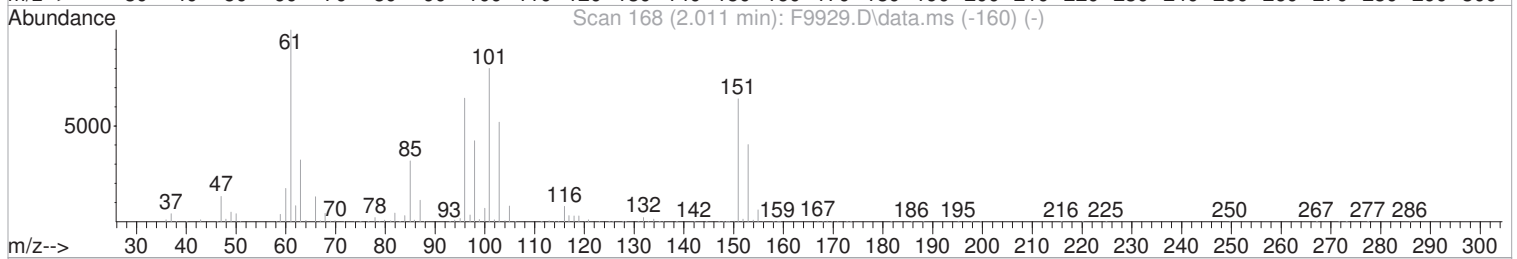
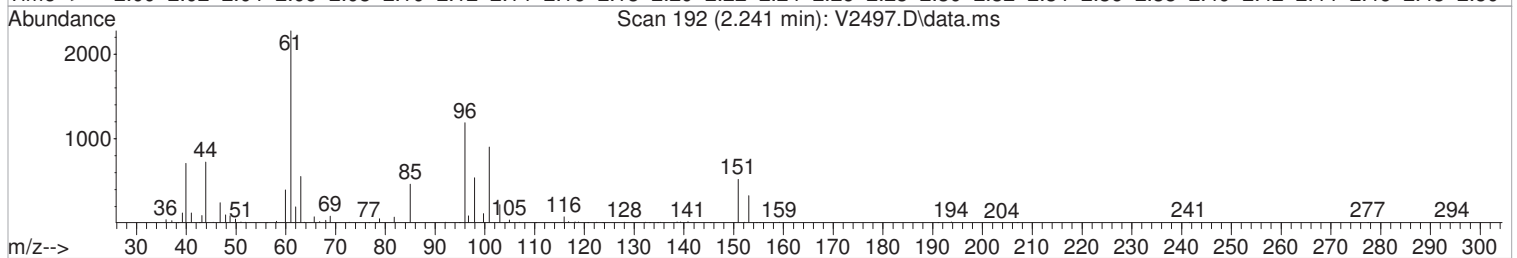
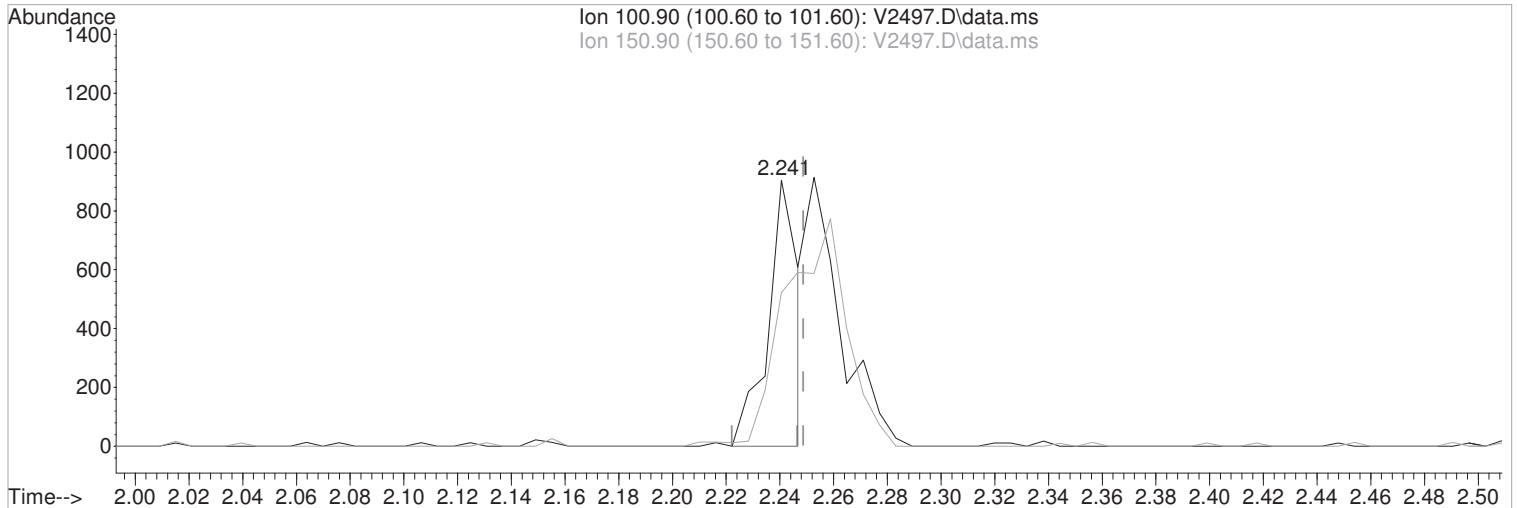
Poor integration.

03/16/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2497.D
Acq On : 15 Mar 2022 8:12 pm
Operator : F.NAEGLER
Sample : R2202100-007|5.0
Misc : VERINA 6646 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:18 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2497.D\data.ms

(14) Freon 113 (P)

Manual Integration:

2.241min (-0.008) 0.15 ug/L

Before

response 708

Ion	Exp%	Act%

03/16/22

100.90	100	100

150.90	80.20	57.74#

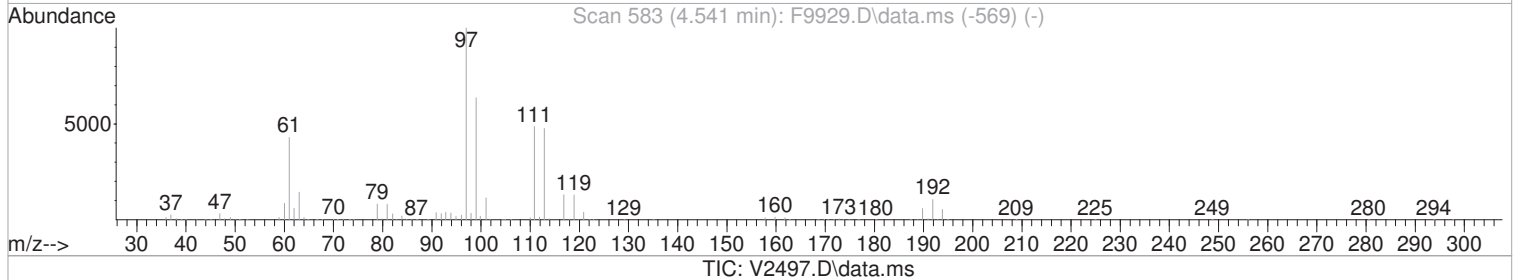
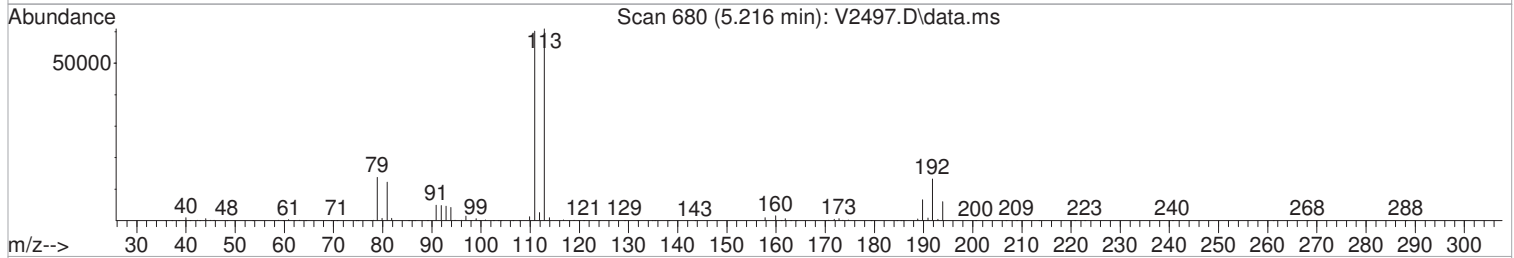
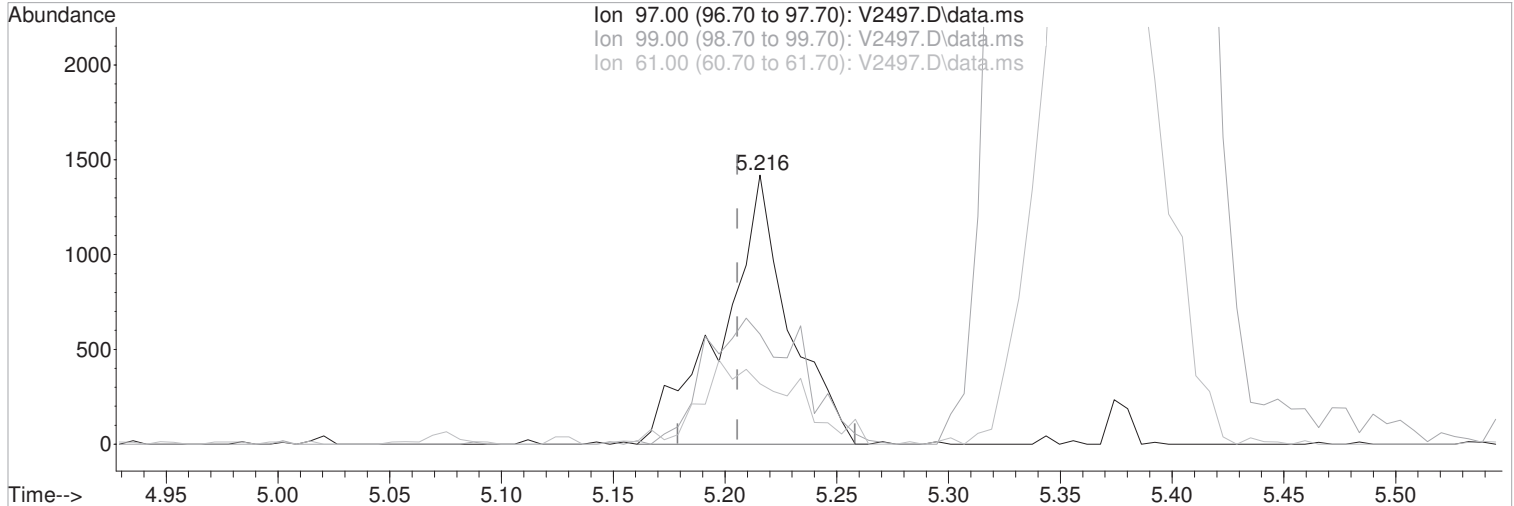
0.00	0.00	0.00

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2497.D
Acq On : 15 Mar 2022 8:12 pm
Operator : F.NAEGLER
Sample : R2202100-007|5.0
Misc : VERINA 6646 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:18 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



(40) 1,1,1-Trichloroethane (P)

5.216min (+0.010) 0.35 ug/L m

response 2930

Ion	Exp%	Act%
97.00	100	100
99.00	63.60	40.87#
61.00	43.00	22.48#
0.00	0.00	0.00

Manual Integration:

After

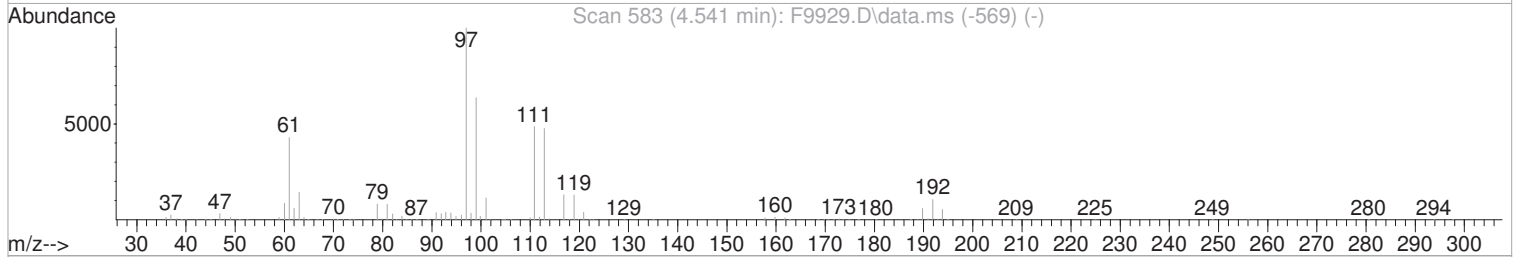
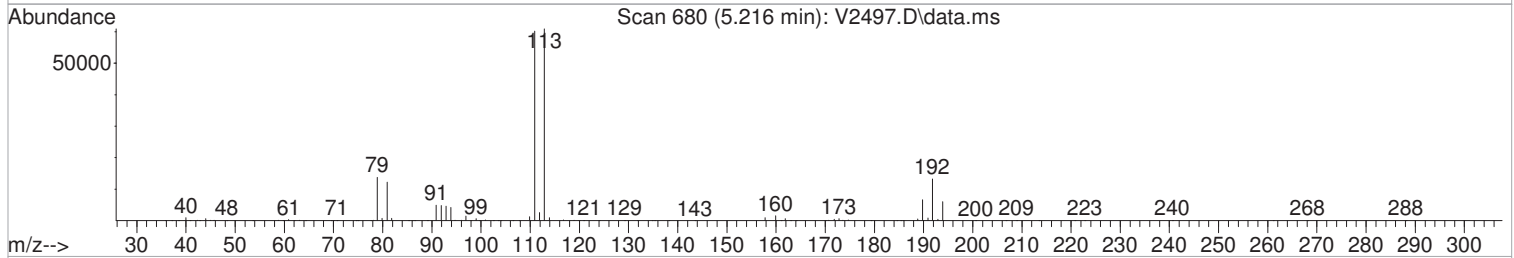
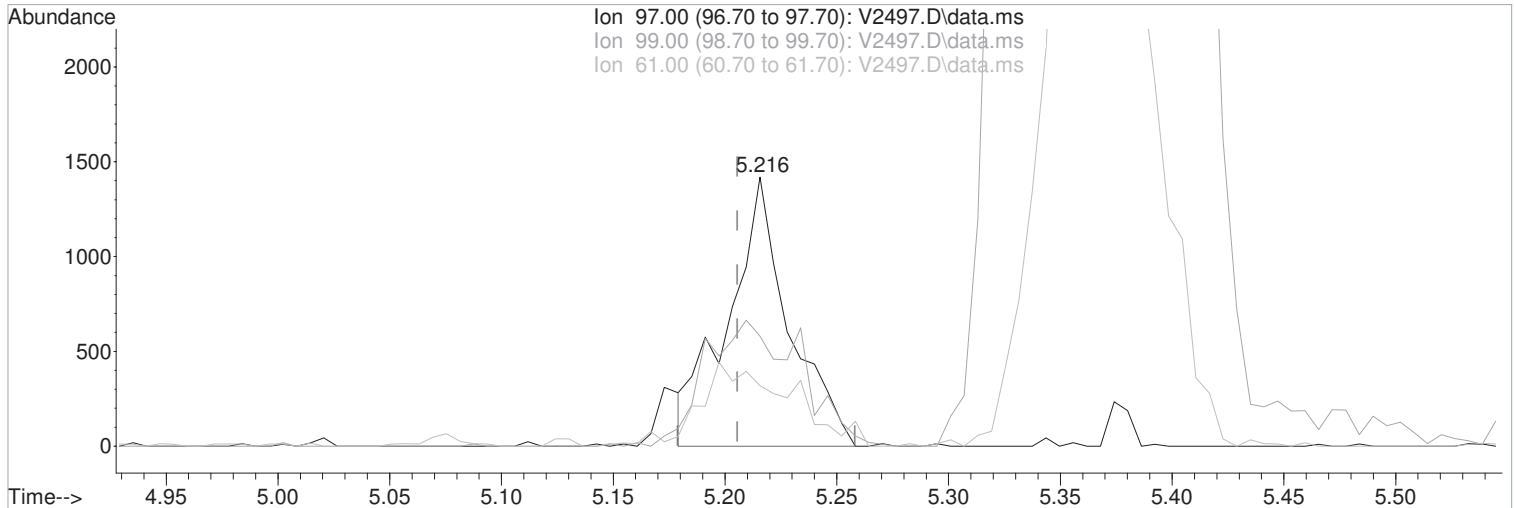
Poor integration.

03/16/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2497.D
Acq On : 15 Mar 2022 8:12 pm
Operator : F.NAEGLER
Sample : R2202100-007|5.0
Misc : VERINA 6646 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:18 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2497.D\data.ms

(40) 1,1,1-Trichloroethane (P)

Manual Integration:

5.216min (+0.010) 0.32 ug/L

Before

response 2690

Ion	Exp%	Act%

03/16/22

97.00	100	100

99.00	63.60	44.19

61.00	43.00	22.48#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2497.D
 Acq On : 15 Mar 2022 8:12 pm
 Operator : F.NAEGLER
 Sample : R2202100-007|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:38:42 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

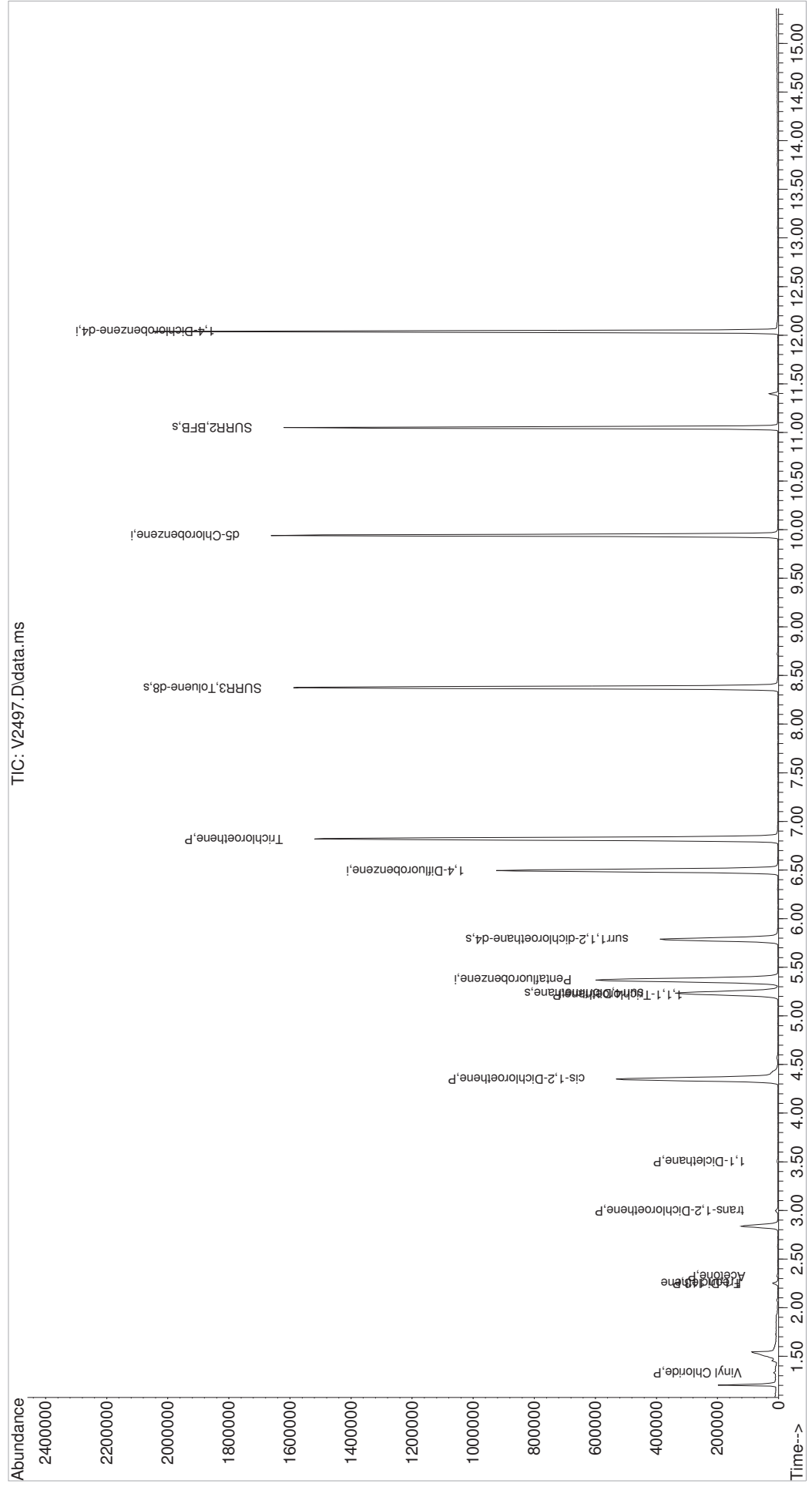
Internal Standards						
1) Pentafluorobenzene	5.374	168	583181	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	827214	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	755499	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.037	152	399119	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	274750	52.76	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	105.52%	
47) surr1,1,2-dichloroetha...	5.789	65	346951	53.96	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	107.92%	
64) SURR3,Toluene-d8	8.373	98	1006432	51.19	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	102.38%	
69) SURR2,BFB	11.050	95	390781	51.24	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	102.48%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.332	62	2961	0.51	ug/L	90
5) Bromomethane	1.533	94	259	Below	Cal	89
13) 1,1-Dicethene	2.253	96	3387	0.71	ug/L	87
14) Freon 113	2.253	101	1509m	0.31	ug/L	
15) Acetone	2.326	43	2656	0.75	ug/L	85
26) trans-1,2-Dichloroethene	2.996	96	3013	0.58	ug/L #	74
27) 1,1-Dicethane	3.502	63	2419	0.25	ug/L	83
33) cis-1,2-Dichloroethene	4.350	96	312827	52.06	ug/L	88
40) 1,1,1-Trichloroethane	5.216	97	2930m	0.35	ug/L	
53) Trichloroethene	6.819	130	556976	100.54	ug/L	98

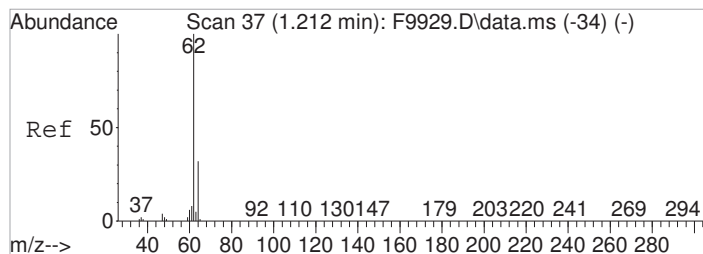
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2497.D
Acq On : 15 Mar 2022 8:12 pm
Operator : F.NAEGLER
Sample : R2202100-007|5.0
Misc : VERINA 6646 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA14

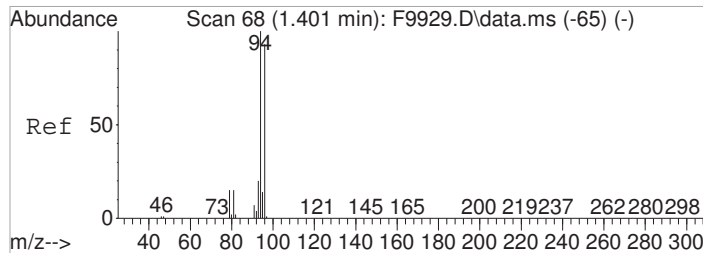
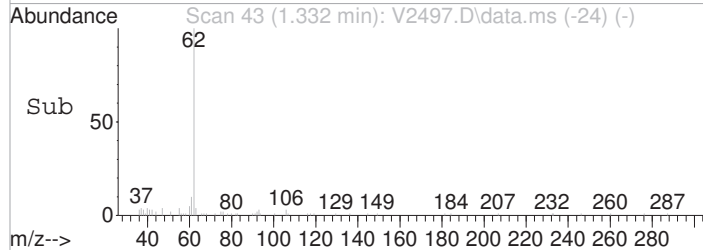
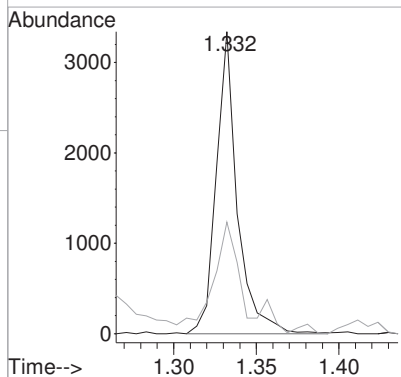
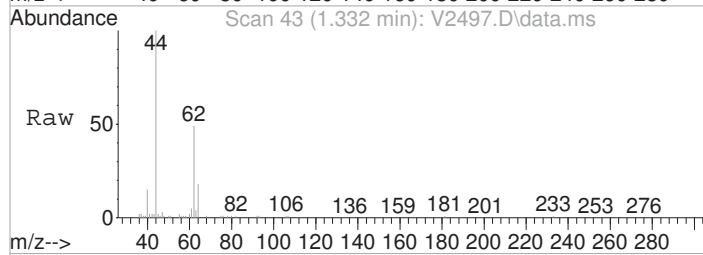
Quant Time: Mar 16 16:38:42 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration





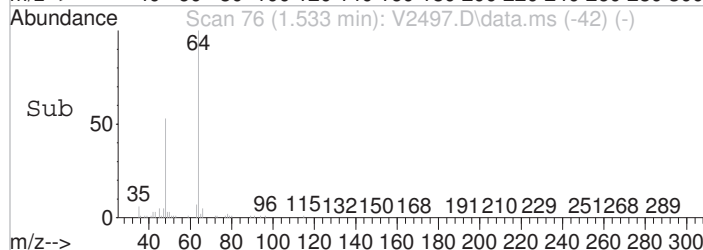
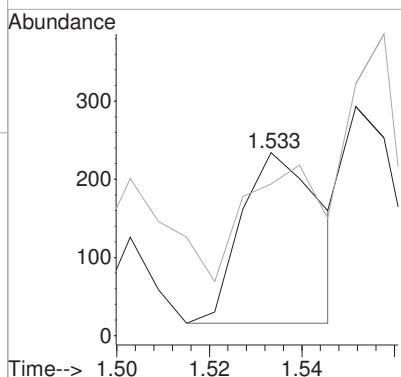
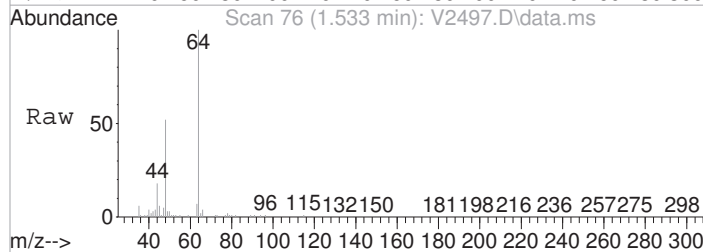
#4
 Vinyl Chloride
 Concen: 0.51 ug/L
 RT: 1.332 min Scan# 43
 Delta R.T. -0.002 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

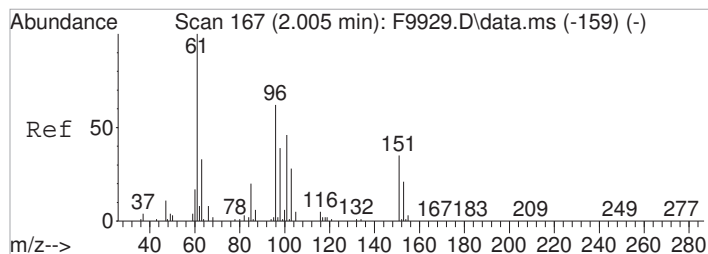
Tgt Ion: 62 Resp: 2961
 Ion Ratio Lower Upper
 62 100
 64 36.9 11.6 51.6



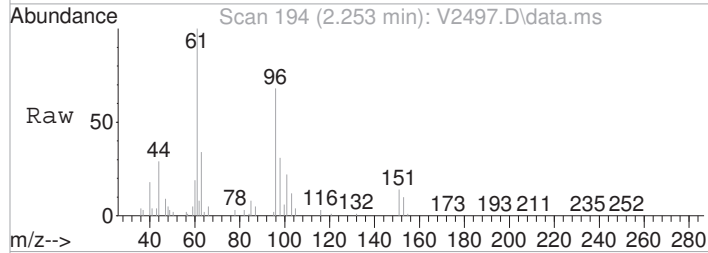
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.533 min Scan# 76
 Delta R.T. -0.021 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

Tgt Ion: 94 Resp: 259
 Ion Ratio Lower Upper
 94 100
 96 82.9 73.5 113.5

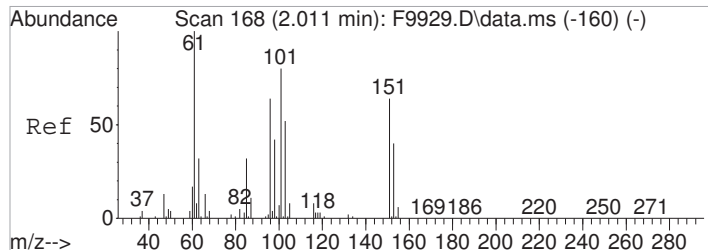
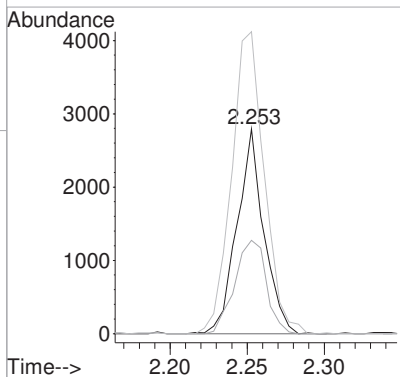
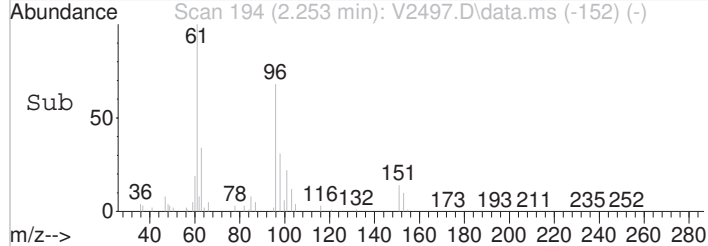




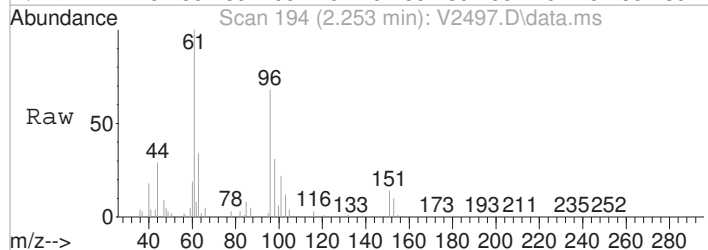
#13
 1,1-Dicloroethene
 Concen: 0.71 ug/L
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm



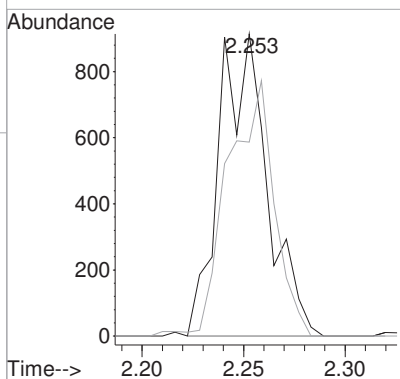
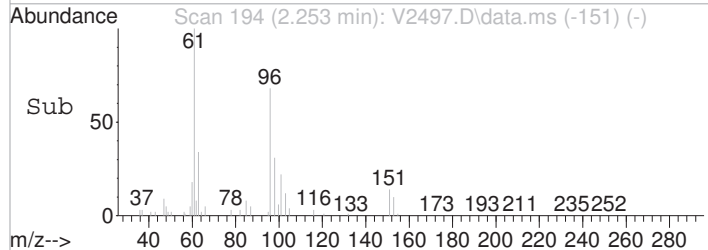
Tgt Ion: 96 Resp: 3387
 Ion Ratio Lower Upper
 96 100
 98 45.6 42.3 82.3
 61 147.5 140.5 180.5

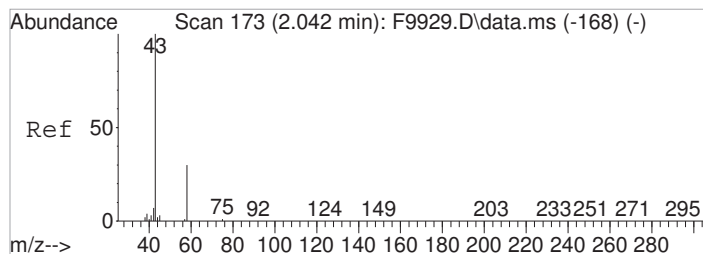


#14
 Freon 113
 Concen: 0.31 ug/L m
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm



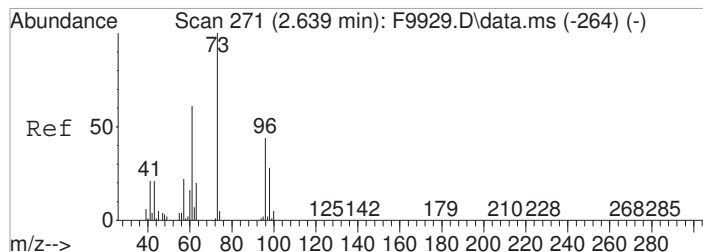
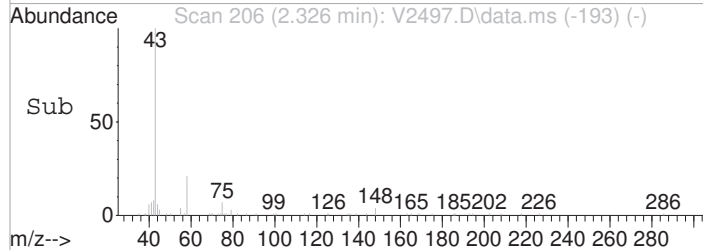
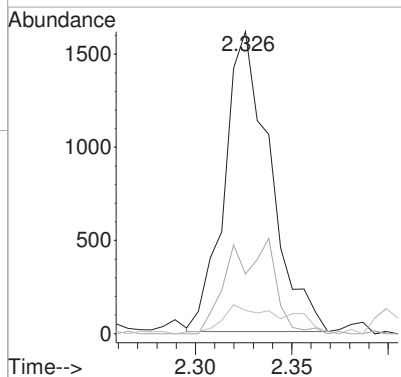
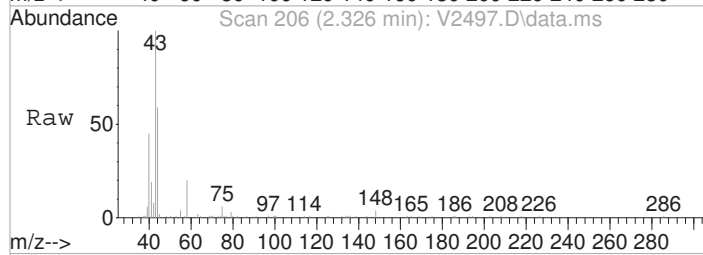
Tgt Ion: 101 Resp: 1509
 Ion Ratio Lower Upper
 101 100
 151 64.2 60.2 100.2





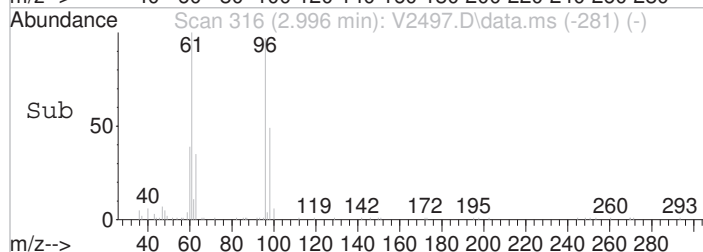
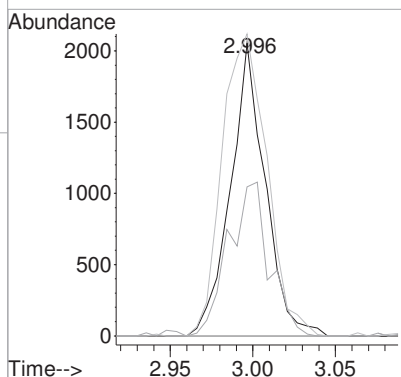
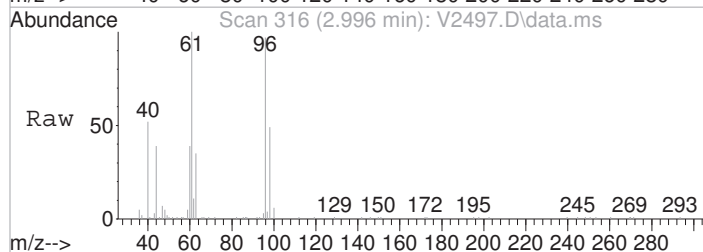
#15
 Acetone
 Concen: 0.75 ug/L
 RT: 2.326 min Scan# 206
 Delta R.T. 0.004 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

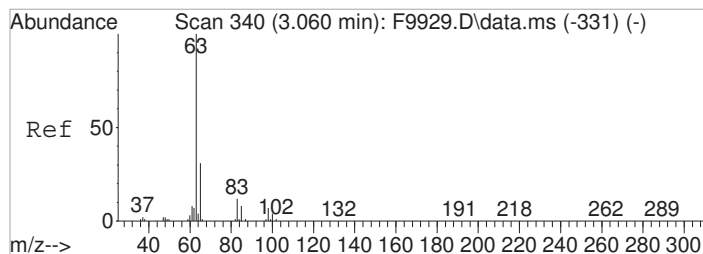
Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.7	9.8	49.8
42	7.7	0.0	27.4



#26
 trans-1,2-Dichloroethene
 Concen: 0.58 ug/L
 RT: 2.996 min Scan# 316
 Delta R.T. 0.004 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

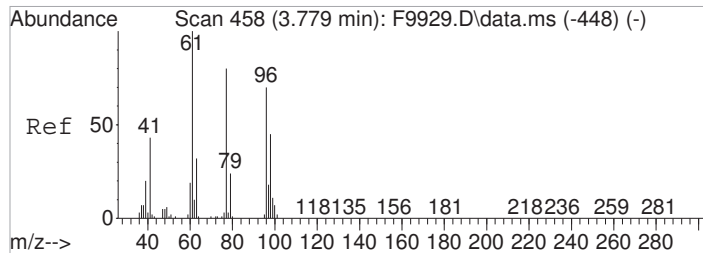
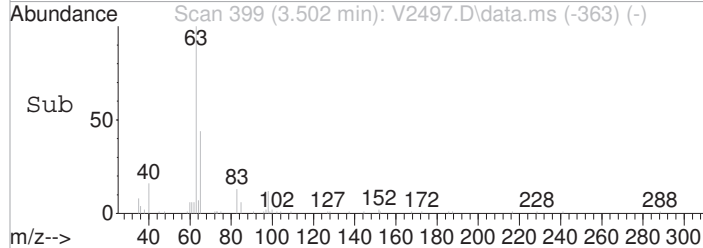
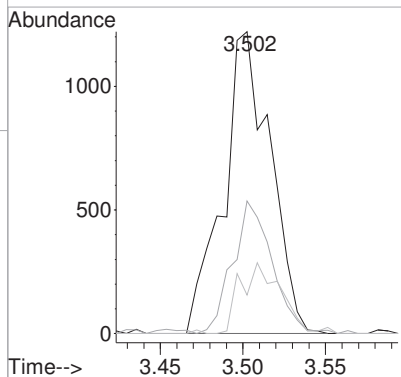
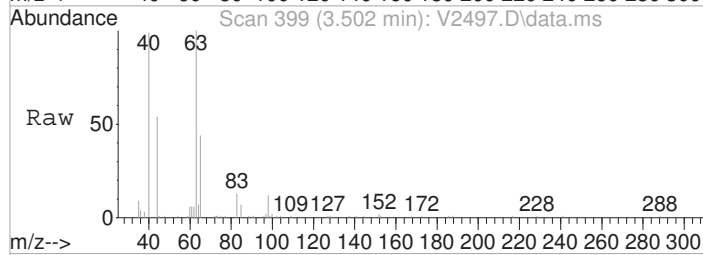
Tgt Ion	Ratio	Lower	Upper
96	100		
98	50.9	43.9	83.9
61	103.2	119.3	159.3#





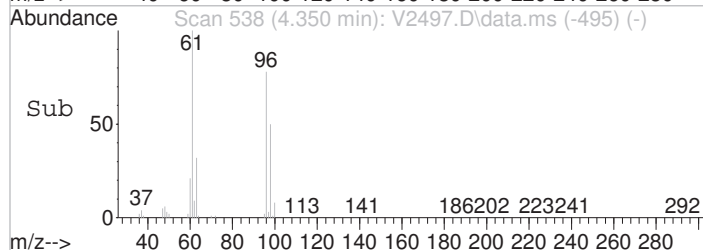
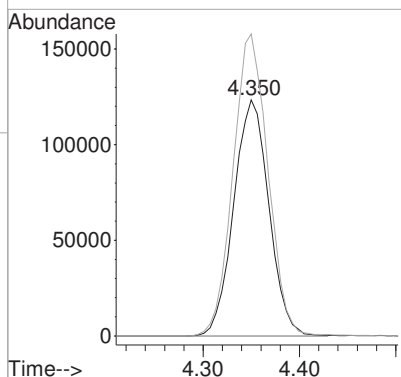
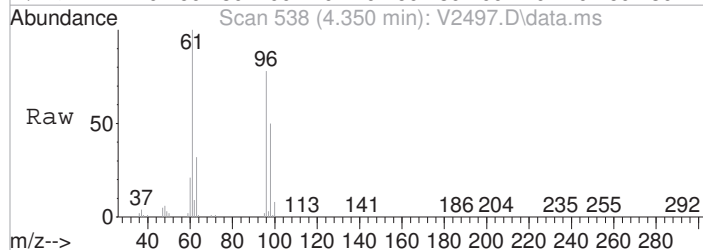
#27
 1,1-Dicloroethane
 Concen: 0.25 ug/L
 RT: 3.502 min Scan# 399
 Delta R.T. -0.002 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

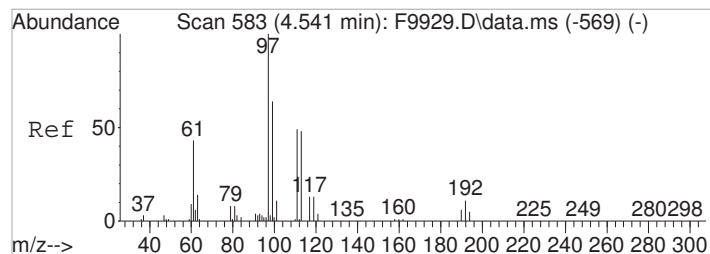
Tgt Ion	Ratio	Lower	Upper
63	100		
65	44.0	11.1	51.1
83	12.8	0.0	32.5



#33
 cis-1,2-Dichloroethene
 Concen: 52.06 ug/L
 RT: 4.350 min Scan# 538
 Delta R.T. 0.004 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

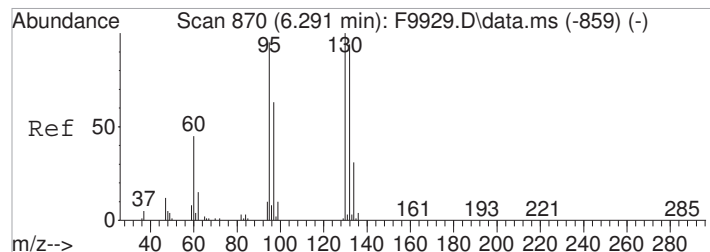
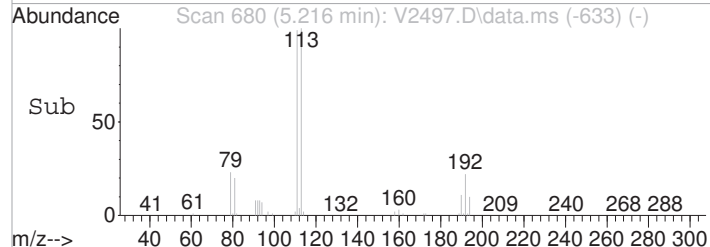
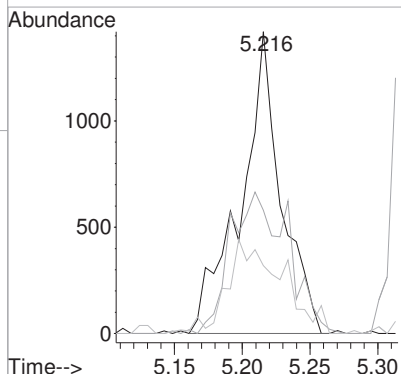
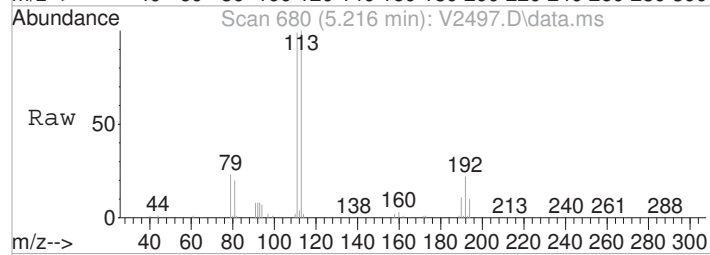
Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.9	122.3	162.3





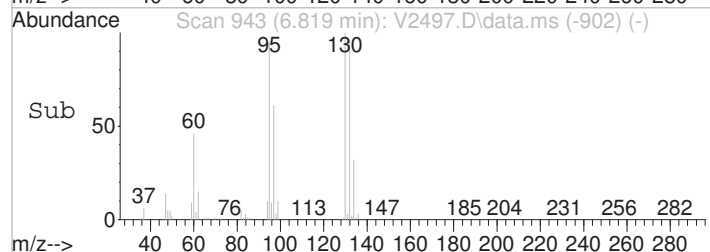
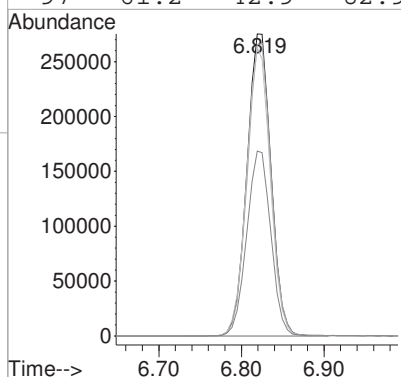
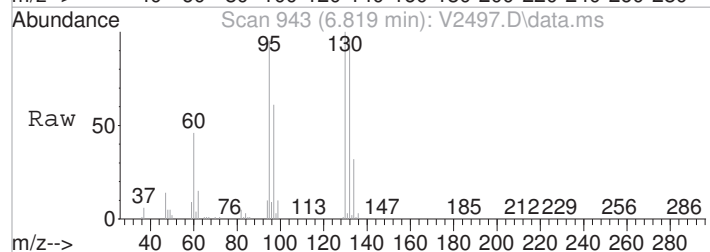
#40
 1,1,1-Trichloroethane
 Concen: 0.35 ug/L m
 RT: 5.216 min Scan# 680
 Delta R.T. 0.010 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

Tgt Ion	97	Resp	2930
Ion Ratio	Lower	Upper	
97	100		
99	40.9	43.6	83.6#
61	22.5	23.0	63.0#



#53
 Trichloroethene
 Concen: 100.54 ug/L
 RT: 6.819 min Scan# 943
 Delta R.T. -0.002 min
 Lab File: V2497.D
 Acq: 15 Mar 2022 8:12 pm

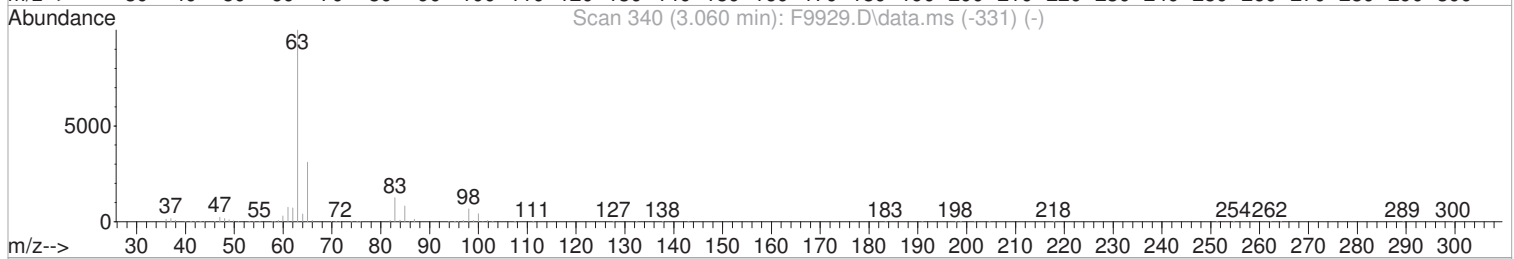
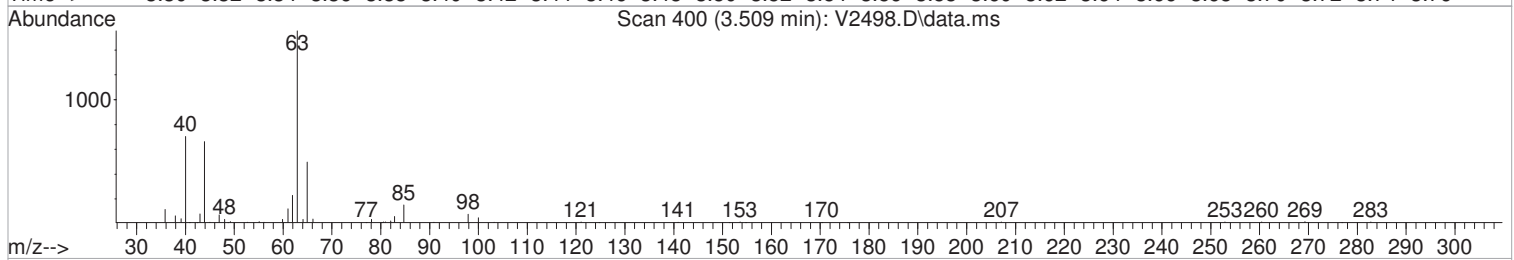
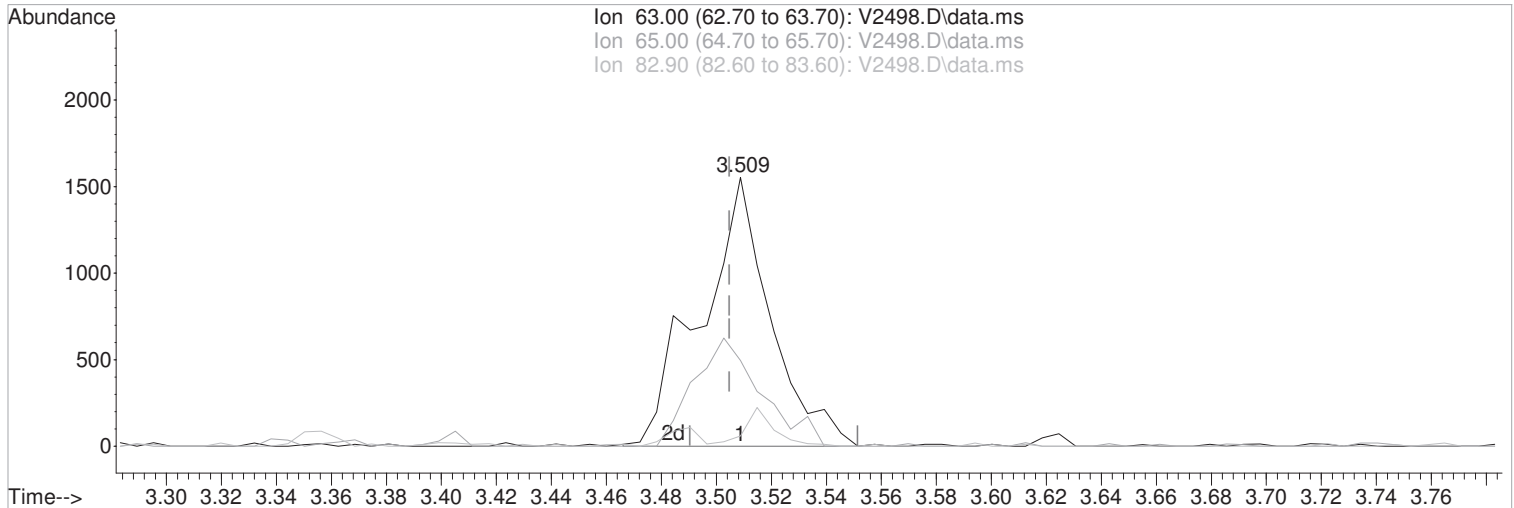
Tgt Ion	130	Resp	556976
Ion Ratio	Lower	Upper	
130	100		
132	96.5	73.8	113.8
95	95.4	75.4	115.4
97	61.2	42.9	82.9



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2498.D
Acq On : 15 Mar 2022 8:35 pm
Operator : F.NAEGLER
Sample : R2202100-008|5.0
Misc : VERINA 6646 T4
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:37 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2498.D\data.ms

(27) 1,1-Dicethane (P)

3.509min (+0.004) 0.28 ug/L m

response 2748

Ion	Exp%	Act%
63.00	100	100
65.00	31.10	31.92
82.90	12.50	3.80
0.00	0.00	0.00

Manual Integration:

After

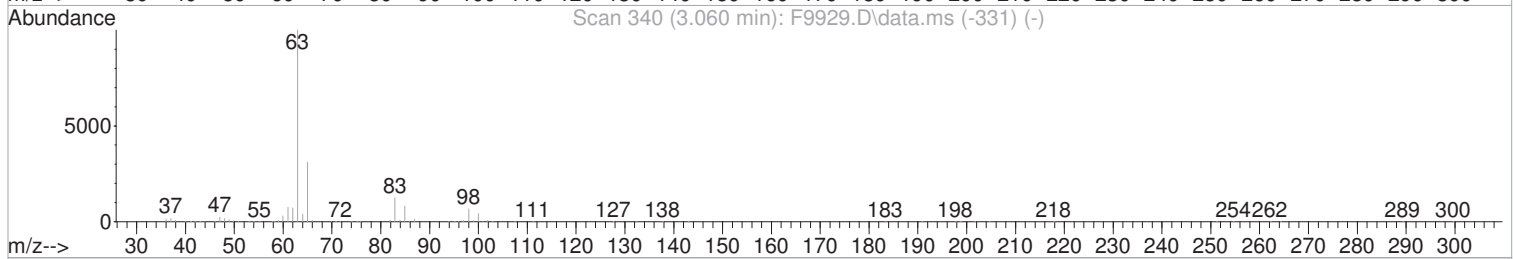
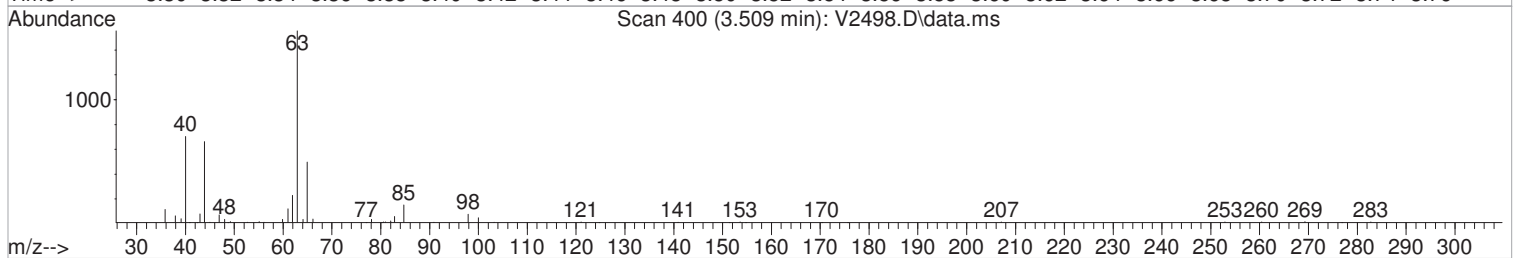
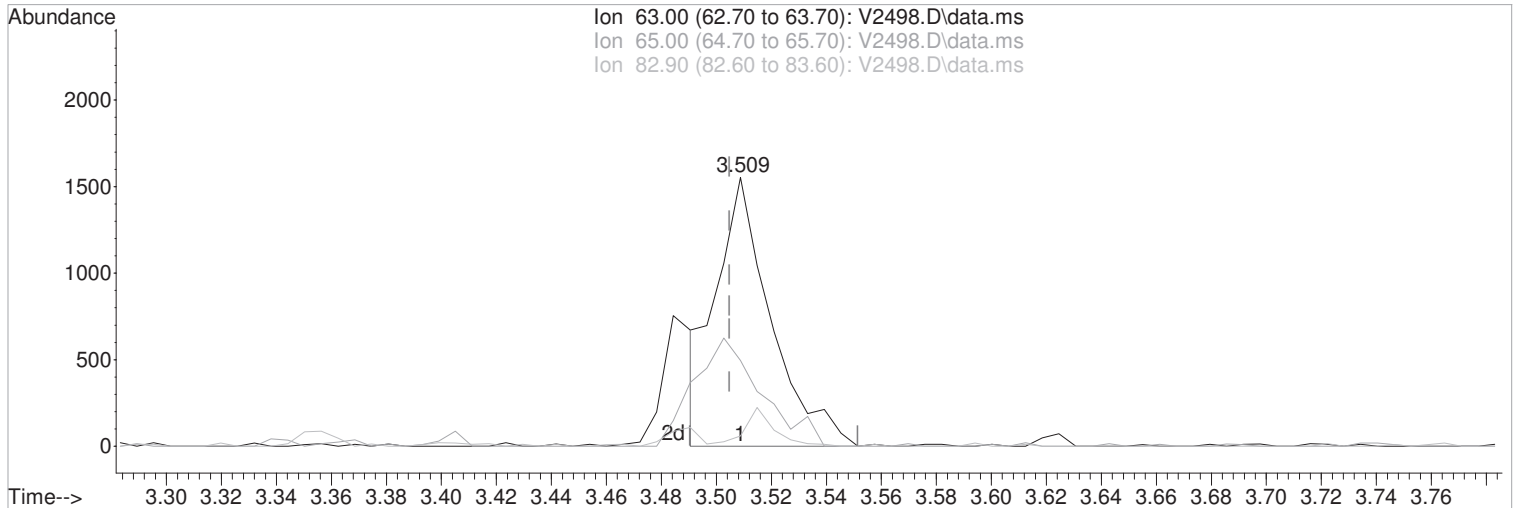
Poor integration.

03/16/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2498.D
Acq On : 15 Mar 2022 8:35 pm
Operator : F.NAEGLER
Sample : R2202100-008|5.0
Misc : VERINA 6646 T4
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:37 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2498.D\data.ms

(27) 1,1-Diclcethane (P)

Manual Integration:

3.509min (+0.004) 0.22 ug/L

Before

response 2144

Ion	Exp%	Act%
63.00	100	100
65.00	31.10	31.92
82.90	12.50	3.80
0.00	0.00	0.00

03/16/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2498.D
 Acq On : 15 Mar 2022 8:35 pm
 Operator : F.NAEGLER
 Sample : R2202100-008|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:39:56 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

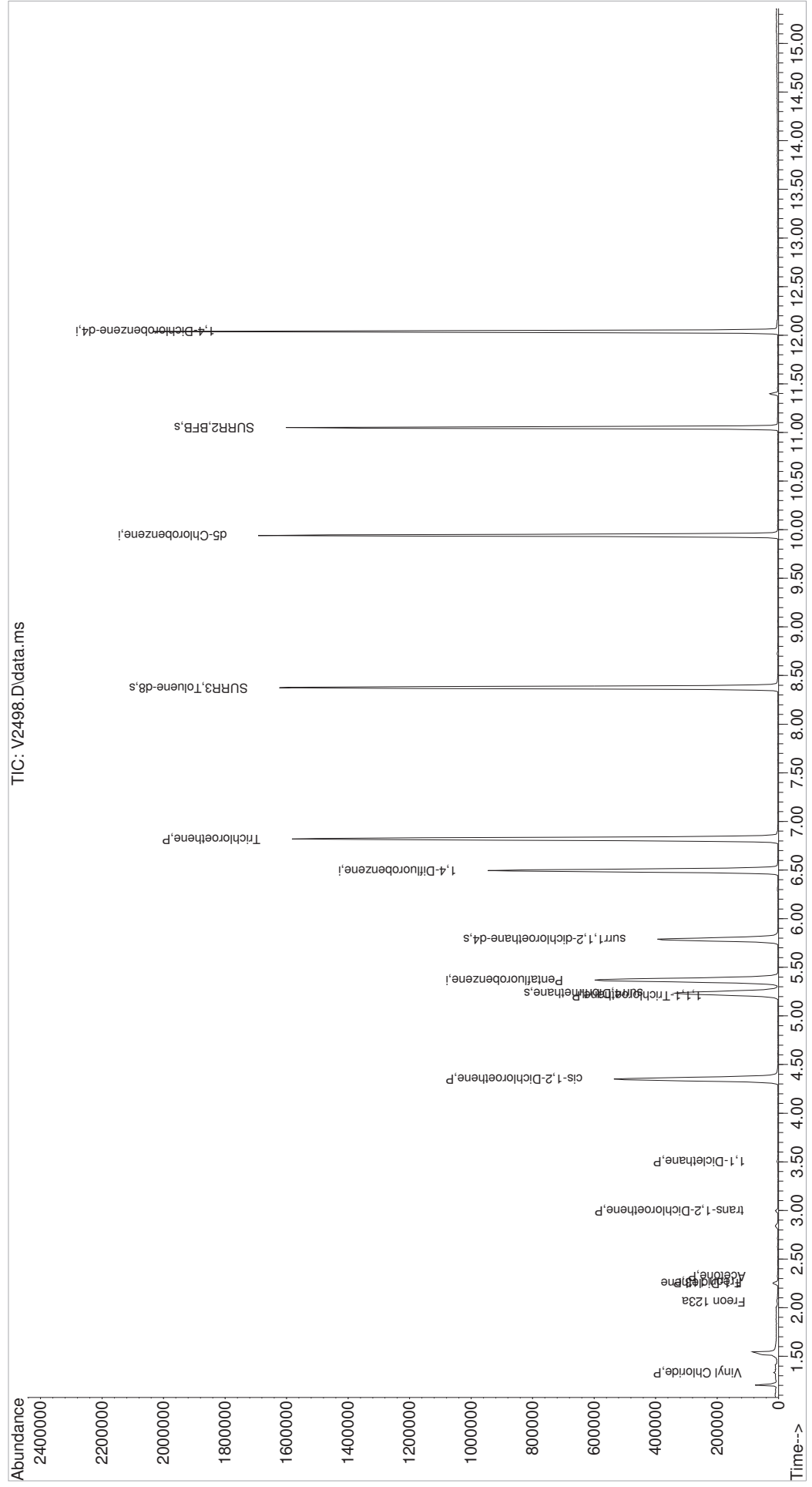
Internal Standards						
1) Pentafluorobenzene	5.368	168	586461	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	838722	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	757808	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	397875	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	274401	51.97	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	103.94%	
47) surr1,1,2-dichloroetha...	5.789	65	349333	53.58	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	107.16%	
64) SURR3,Toluene-d8	8.374	98	1012896	50.81	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.62%	
69) SURR2,BFB	11.050	95	396825	51.32	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	102.64%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.332	62	2595	0.44	ug/L	78
5) Bromomethane	1.552	94	390	Below Cal	#	53
10) Freon 123a	2.064	67	1246	0.21	ug/L	# 48
13) 1,1-Dicethene	2.253	96	3463	0.73	ug/L	90
14) Freon 113	2.259	101	1490	0.31	ug/L	84
15) Acetone	2.326	43	2079	0.58	ug/L	95
26) trans-1,2-Dichloroethene	2.997	96	3062	0.59	ug/L	# 82
27) 1,1-Dicethane	3.509	63	2748m	0.28	ug/L	
33) cis-1,2-Dichloroethene	4.350	96	310464	51.38	ug/L	90
40) 1,1,1-Trichloroethane	5.210	97	3243	0.39	ug/L	92
53) Trichloroethene	6.819	130	581844	103.58	ug/L	97

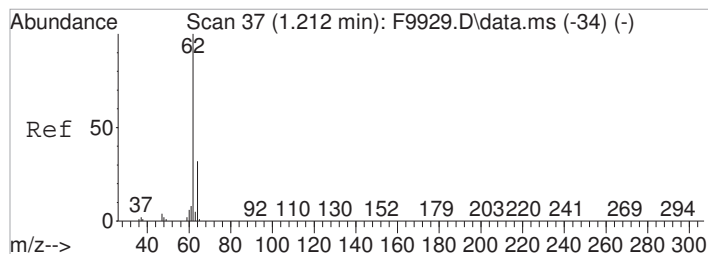
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2498.D
Acq On : 15 Mar 2022 8:35 pm
Operator : F.NAEGLER
Sample : R2202100-008|5.0
Misc : VERINA 6646 T4
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA14

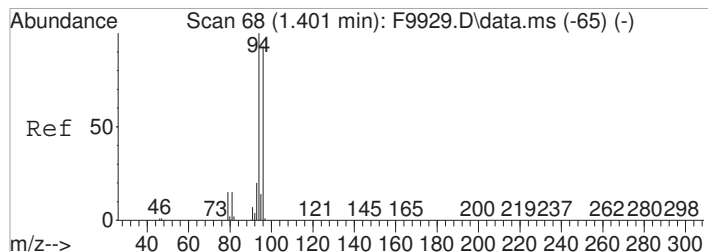
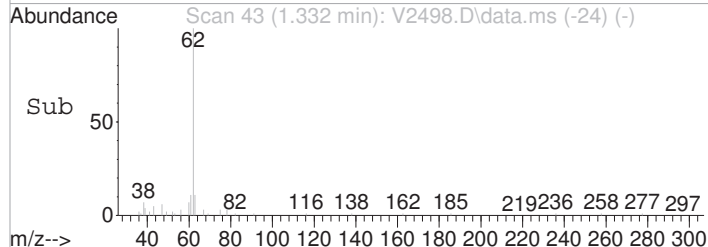
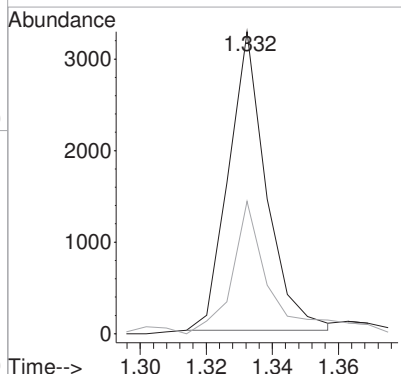
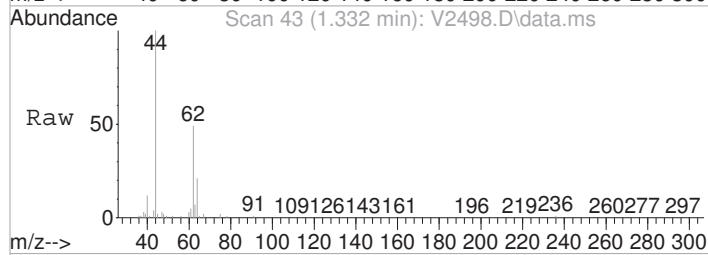
Quant Time: Mar 16 16:39:56 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration





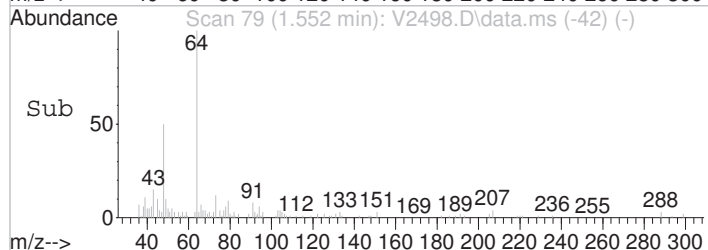
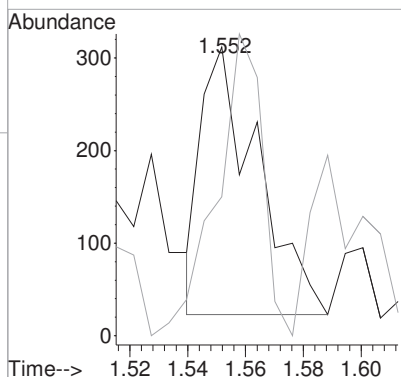
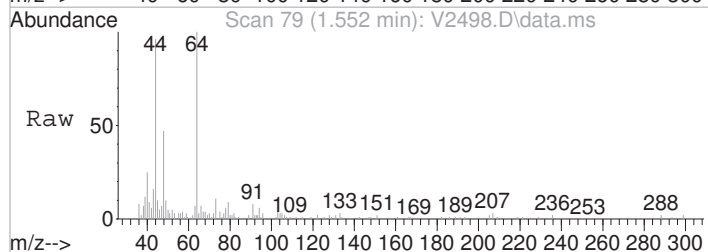
#4
 Vinyl Chloride
 Concen: 0.44 ug/L
 RT: 1.332 min Scan# 43
 Delta R.T. -0.002 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

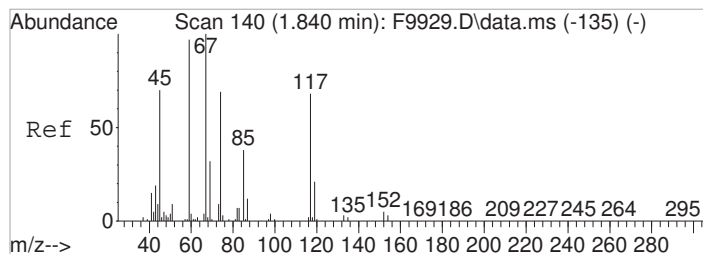
Tgt Ion: 62 Resp: 2595
 Ion Ratio Lower Upper
 62 100
 64 43.9 11.6 51.6



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.552 min Scan# 79
 Delta R.T. -0.002 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

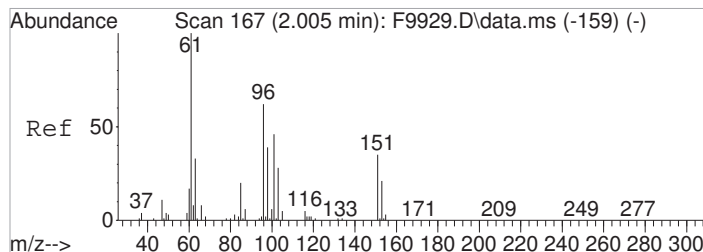
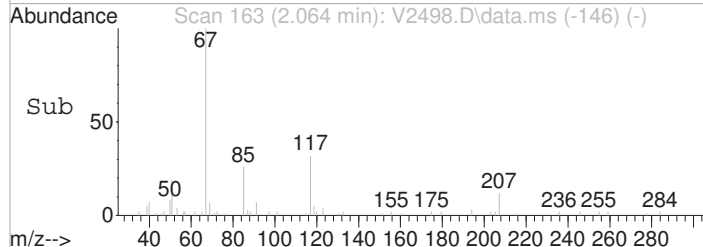
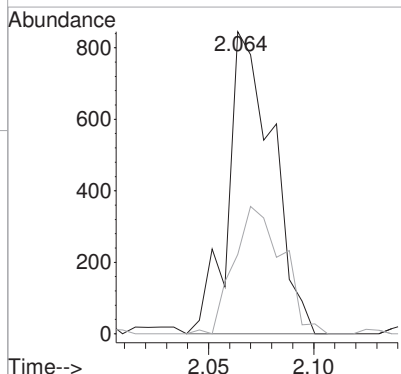
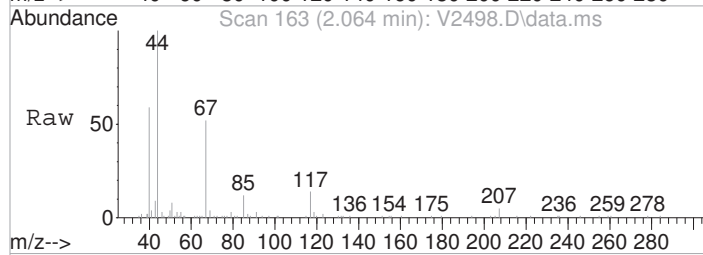
Tgt Ion: 94 Resp: 390
 Ion Ratio Lower Upper
 94 100
 96 48.1 73.5 113.5#





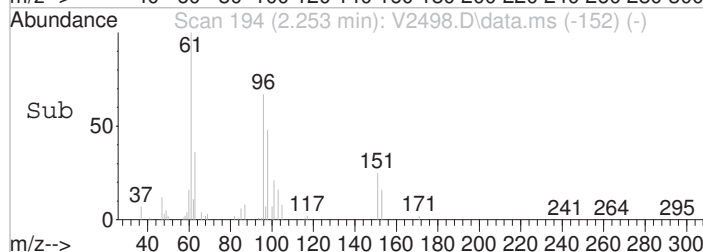
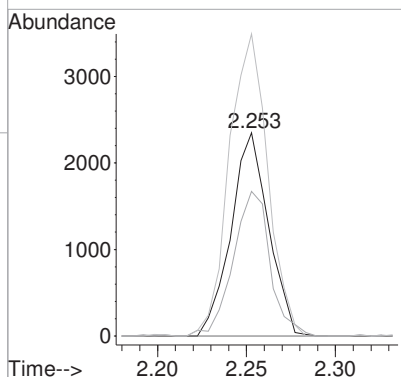
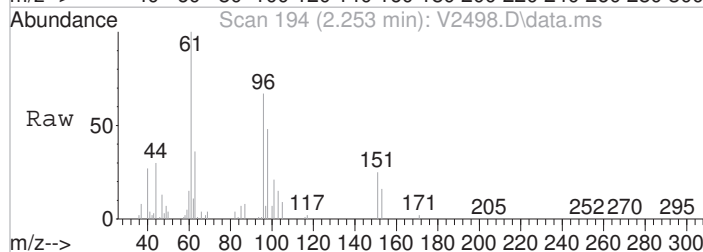
#10
 Freon 123a
 Concen: 0.21 ug/L
 RT: 2.064 min Scan# 163
 Delta R.T. -0.008 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

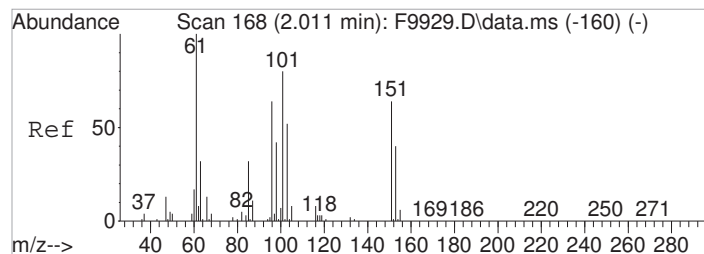
Tgt Ion: 67 Resp: 1246
 Ion Ratio Lower Upper
 67 100
 117 26.3 47.9 87.9#



#13
 1,1-Diclcethene
 Concen: 0.73 ug/L
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

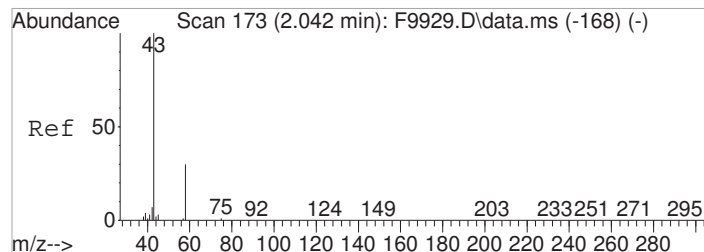
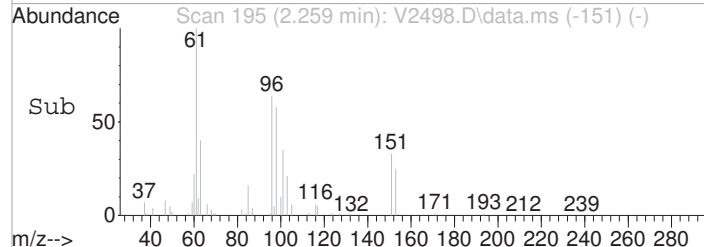
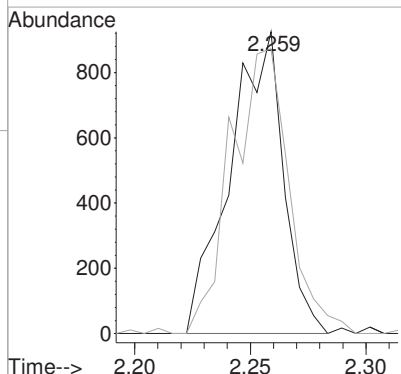
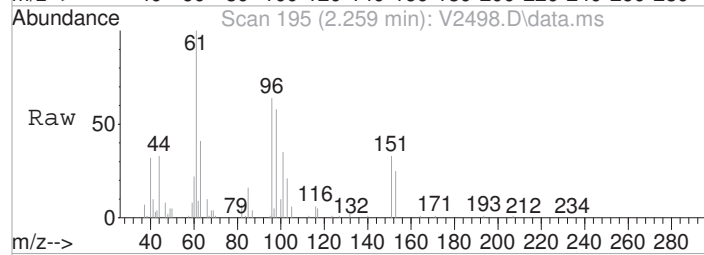
Tgt Ion: 96 Resp: 3463
 Ion Ratio Lower Upper
 96 100
 98 71.1 42.3 82.3
 61 148.6 140.5 180.5





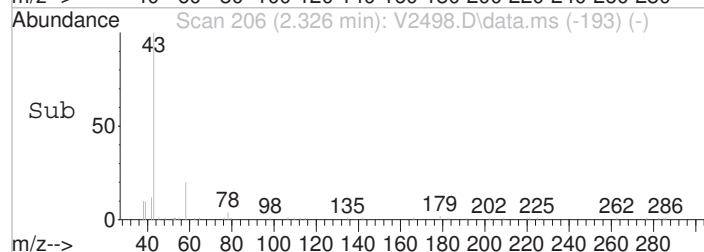
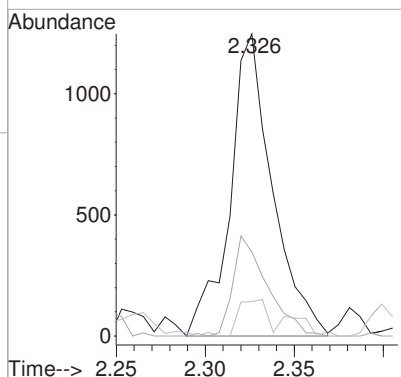
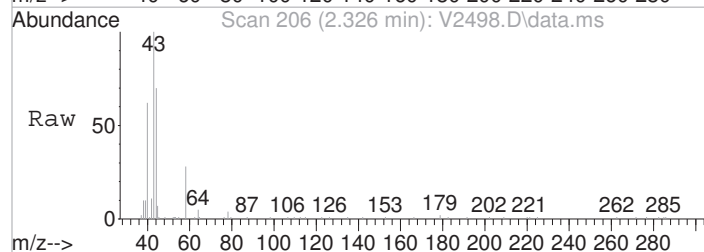
#14
 Freon 113
 Concen: 0.31 ug/L
 RT: 2.259 min Scan# 195
 Delta R.T. 0.010 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

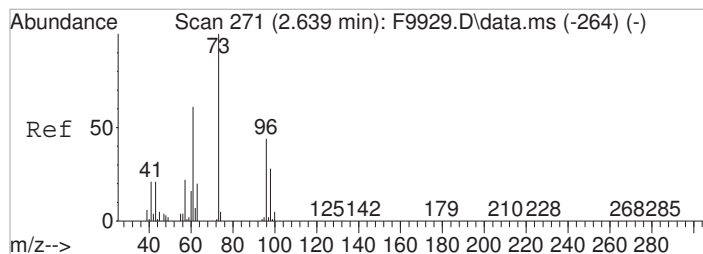
Tgt Ion: 101 Resp: 1490
 Ion Ratio Lower Upper
 101 100
 151 94.4 60.2 100.2



#15
 Acetone
 Concen: 0.58 ug/L
 RT: 2.326 min Scan# 206
 Delta R.T. 0.004 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

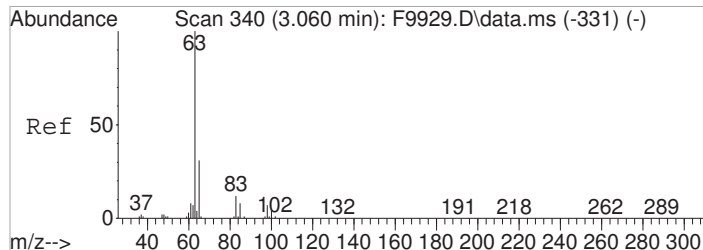
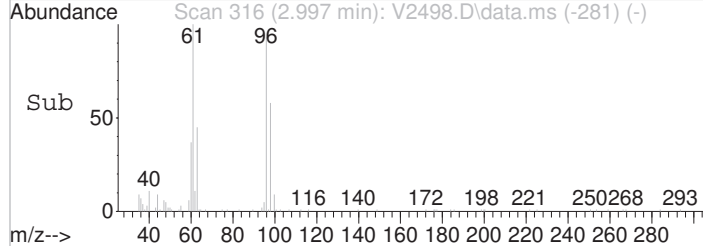
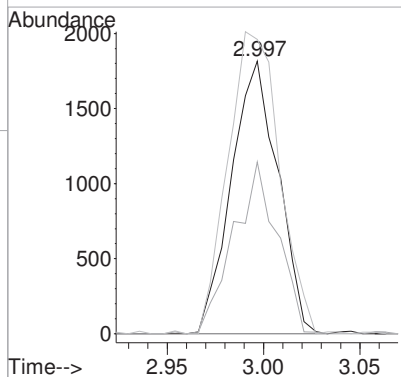
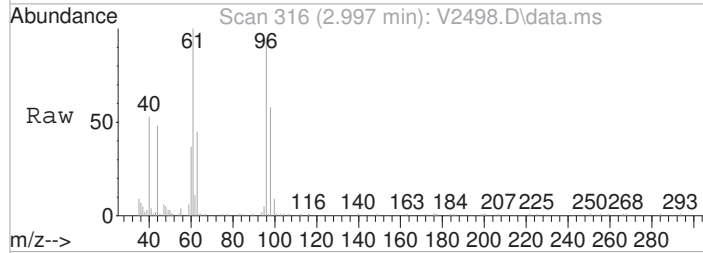
Tgt Ion: 43 Resp: 2079
 Ion Ratio Lower Upper
 43 100
 58 27.8 9.8 49.8
 42 11.5 0.0 27.4





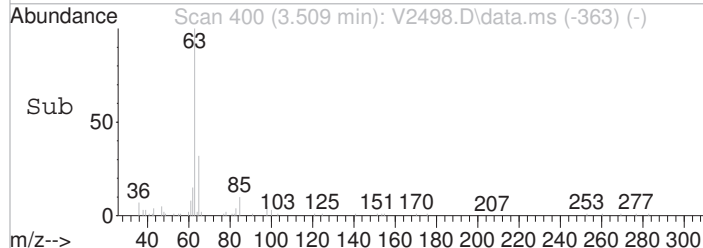
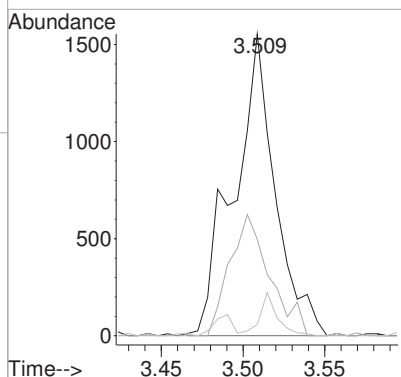
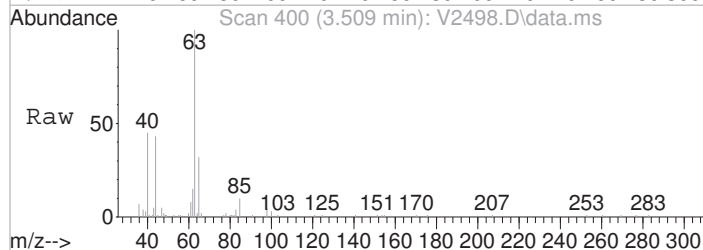
#26
 trans-1,2-Dichloroethene
 Concen: 0.59 ug/L
 RT: 2.997 min Scan# 316
 Delta R.T. 0.004 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

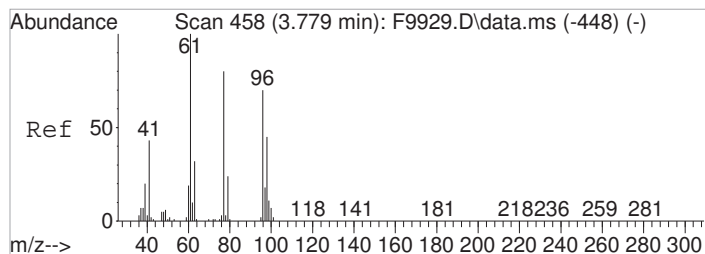
Tgt Ion	96	Resp	3062
Ion Ratio	Lower	Upper	
96	100		
98	63.0	43.9	83.9
61	107.9	119.3	159.3#



#27
 1,1-Dicethane
 Concen: 0.28 ug/L m
 RT: 3.509 min Scan# 400
 Delta R.T. 0.004 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

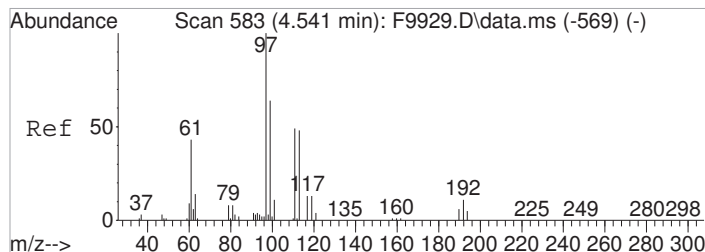
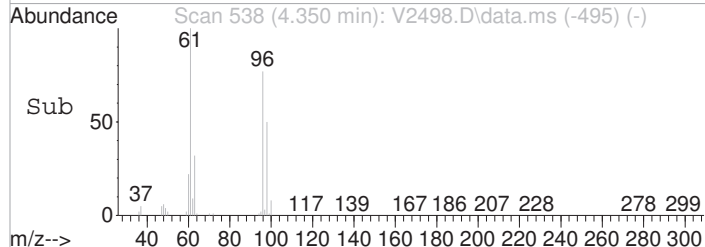
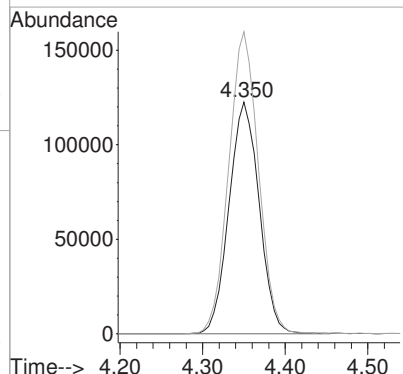
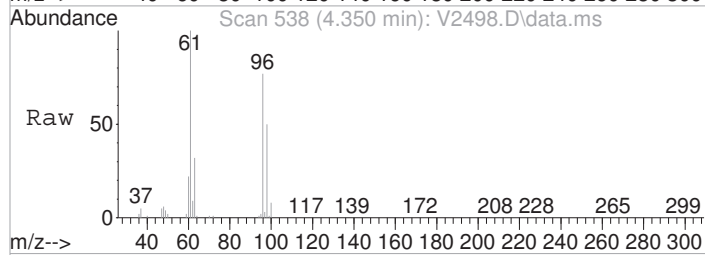
Tgt Ion	63	Resp	2748
Ion Ratio	Lower	Upper	
63	100		
65	31.9	11.1	51.1
83	3.8	0.0	32.5





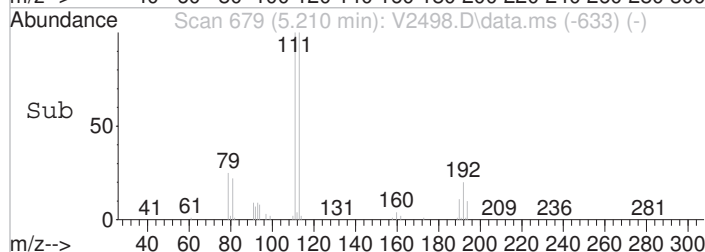
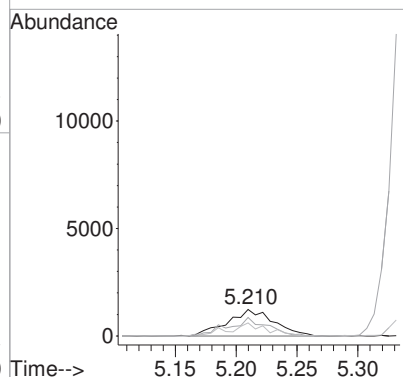
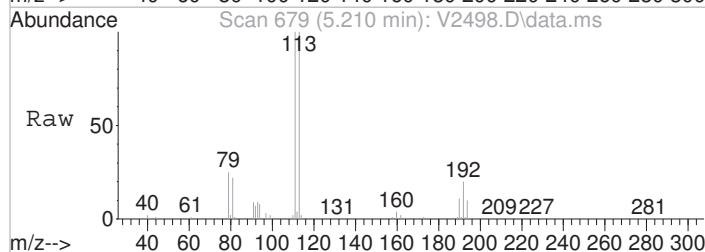
#33
 cis-1,2-Dichloroethene
 Concen: 51.38 ug/L
 RT: 4.350 min Scan# 538
 Delta R.T. 0.004 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

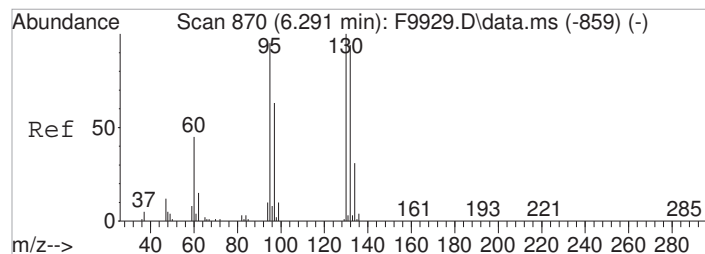
Tgt Ion: 96 Resp: 310464
 Ion Ratio Lower Upper
 96 100
 61 130.4 122.3 162.3



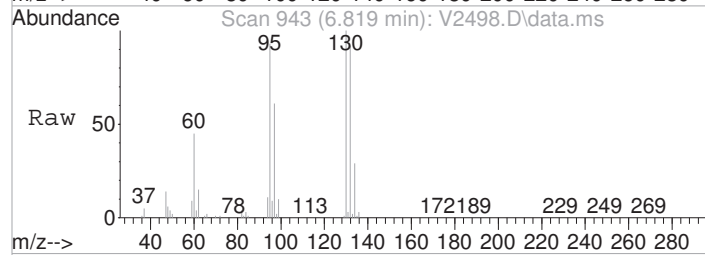
#40
 1,1,1-Trichloroethane
 Concen: 0.39 ug/L
 RT: 5.210 min Scan# 679
 Delta R.T. 0.004 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm

Tgt Ion: 97 Resp: 3243
 Ion Ratio Lower Upper
 97 100
 99 69.0 43.6 83.6
 61 49.3 23.0 63.0

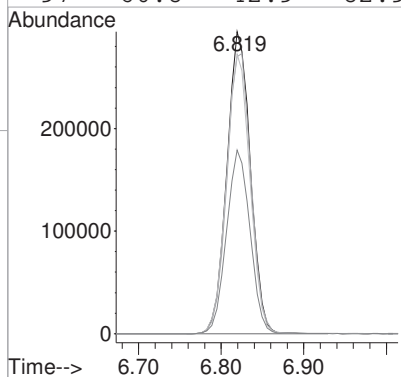
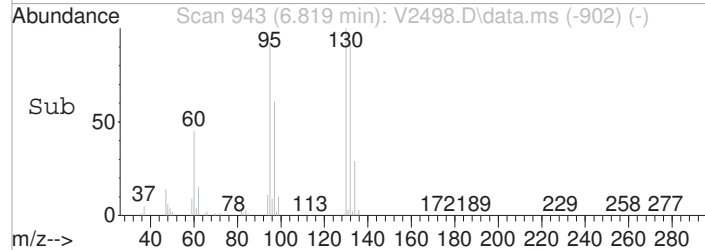




#53
 Trichloroethene
 Concen: 103.58 ug/L
 RT: 6.819 min Scan# 943
 Delta R.T. -0.002 min
 Lab File: V2498.D
 Acq: 15 Mar 2022 8:35 pm



Tgt Ion:	130	Resp:	581844
Ion Ratio	Lower	Upper	
130	100		
132	91.8	73.8	113.8
95	92.6	75.4	115.4
97	60.8	42.9	82.9



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2478.D
 Acq On : 15 Mar 2022 1:08 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:08:15 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

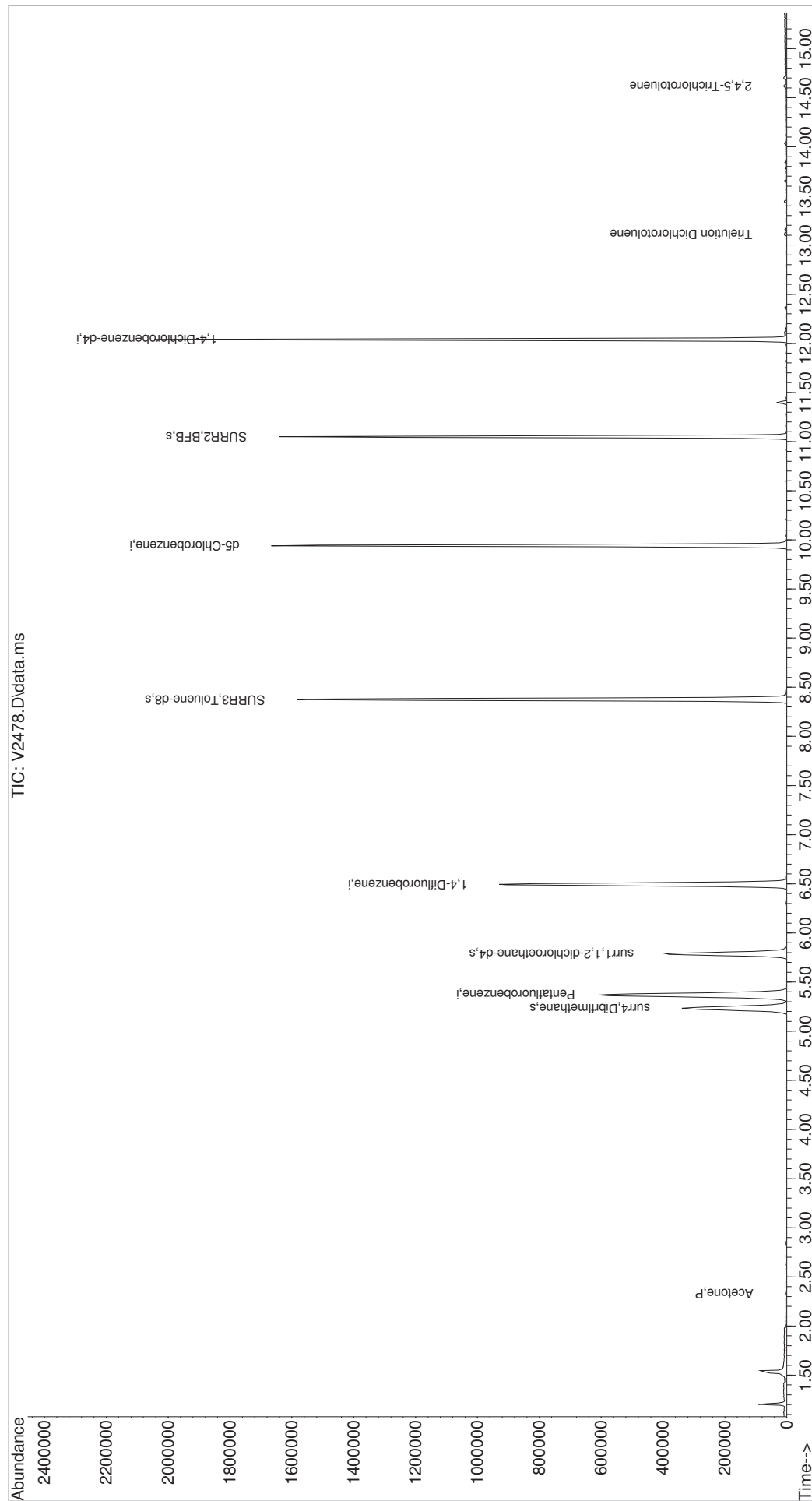
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

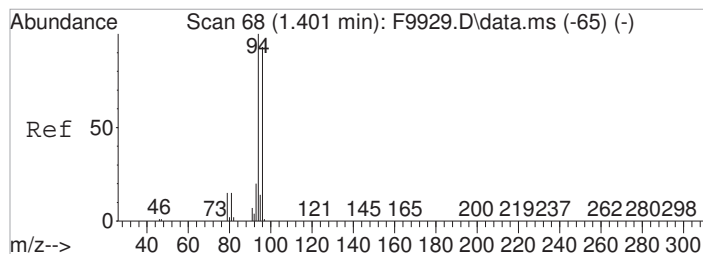
Internal Standards						
1) Pentafluorobenzene	5.374	168	592552	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	845780	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	770302	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	406169	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	273835	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	102.86%
47) surr1,1,2-dichloroetha...	5.789	65	349870	53.22	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	106.44%
64) SURR3,Toluene-d8	8.374	98	1009492	50.22	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	100.44%
69) SURR2,BFB	11.050	95	391325	50.18	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	100.36%
Target Compounds						
5) Bromomethane	1.552	94	260	Below Cal		87
15) Acetone	2.332	43	2382	0.66 ug/L		84
111) Trielution Dichlorotol...	13.110	125	2873	0.26 ug/L		87
118) 2,4,5-Trichlorotoluene	14.616	159	1408	0.22 ug/L #		75

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

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2478.D
 Acq On : 15 Mar 2022 1:08 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 Inst : MSVOA14

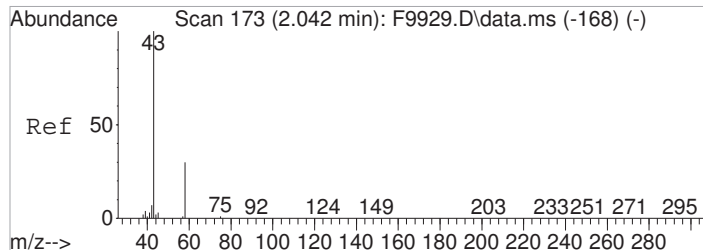
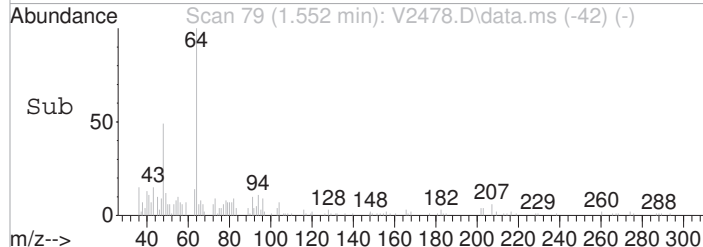
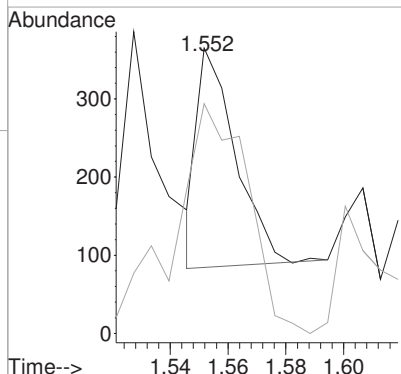
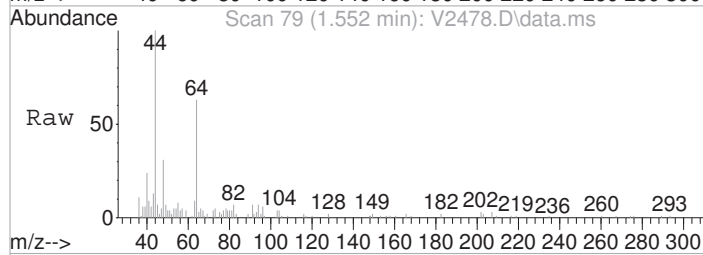
Quant Time: Mar 16 16:08:15 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration





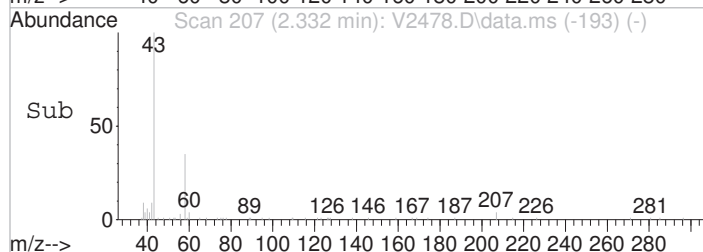
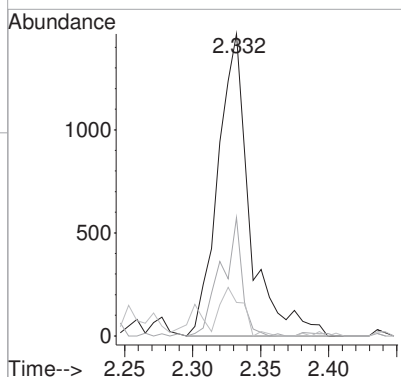
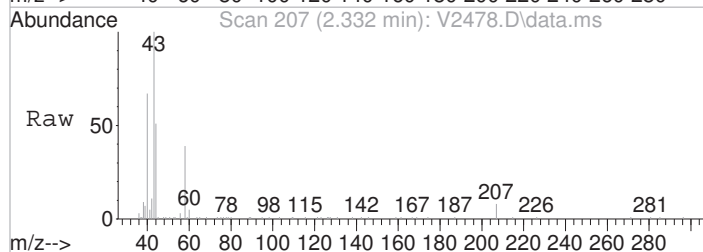
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.552 min Scan# 79
 Delta R.T. -0.002 min
 Lab File: V2478.D
 Acq: 15 Mar 2022 1:08 pm

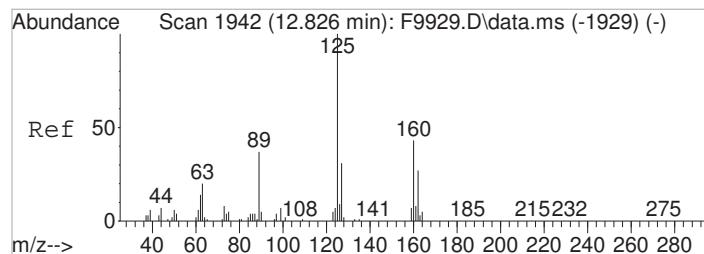
Tgt Ion: 94 Resp: 260
 Ion Ratio Lower Upper
 94 100
 96 80.5 73.5 113.5



#15
 Acetone
 Concen: 0.66 ug/L
 RT: 2.332 min Scan# 207
 Delta R.T. 0.010 min
 Lab File: V2478.D
 Acq: 15 Mar 2022 1:08 pm

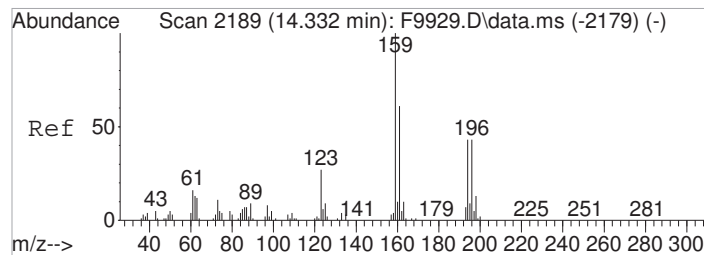
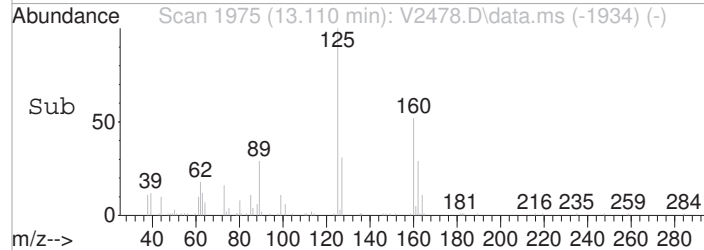
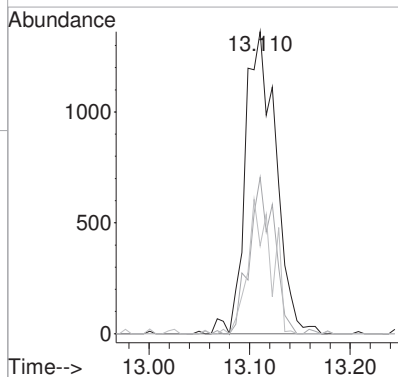
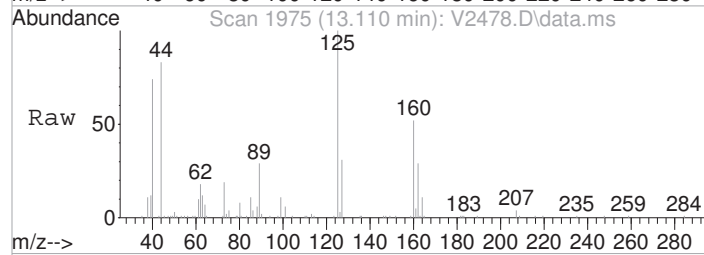
Tgt Ion: 43 Resp: 2382
 Ion Ratio Lower Upper
 43 100
 58 39.2 9.8 49.8
 42 11.1 0.0 27.4





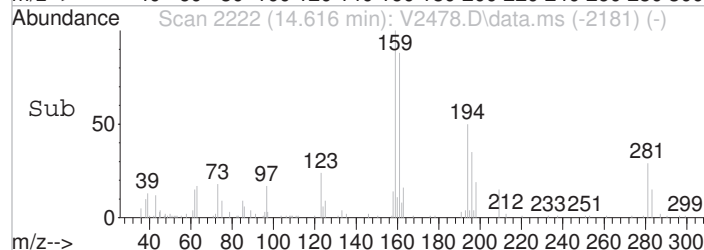
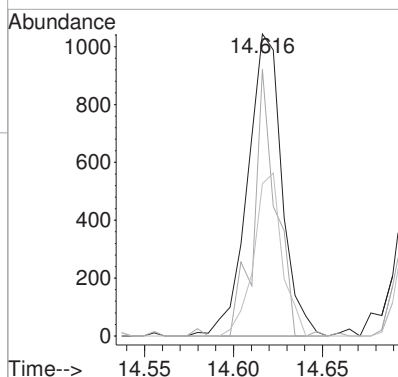
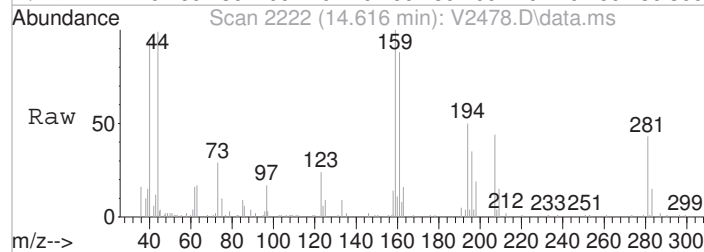
#111
 Trielution Dichlorotoluene
 Concen: 0.26 ug/L
 RT: 13.110 min Scan# 1975
 Delta R.T. -0.002 min
 Lab File: V2478.D
 Acq: 15 Mar 2022 1:08 pm

Tgt Ion	Ratio	Lower	Upper
125	100		
160	51.8	23.4	63.4
89	29.1	17.3	57.3



#118
 2,4,5-Trichlorotoluene
 Concen: 0.22 ug/L
 RT: 14.616 min Scan# 2222
 Delta R.T. -0.002 min
 Lab File: V2478.D
 Acq: 15 Mar 2022 1:08 pm

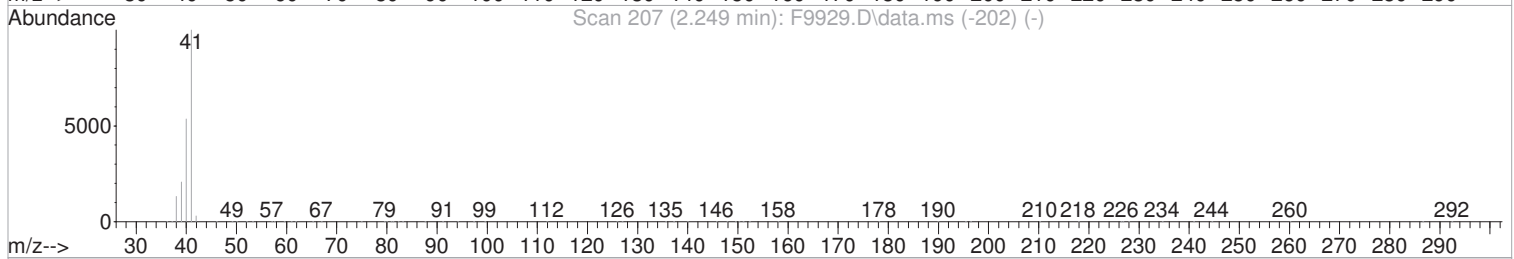
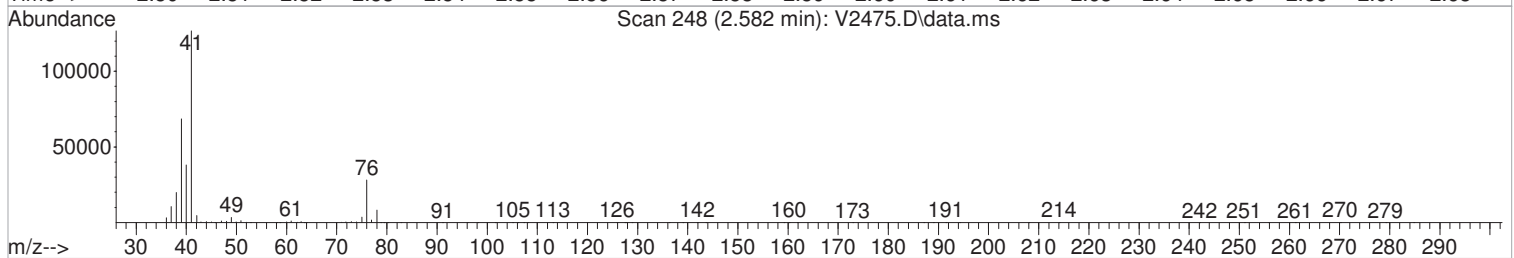
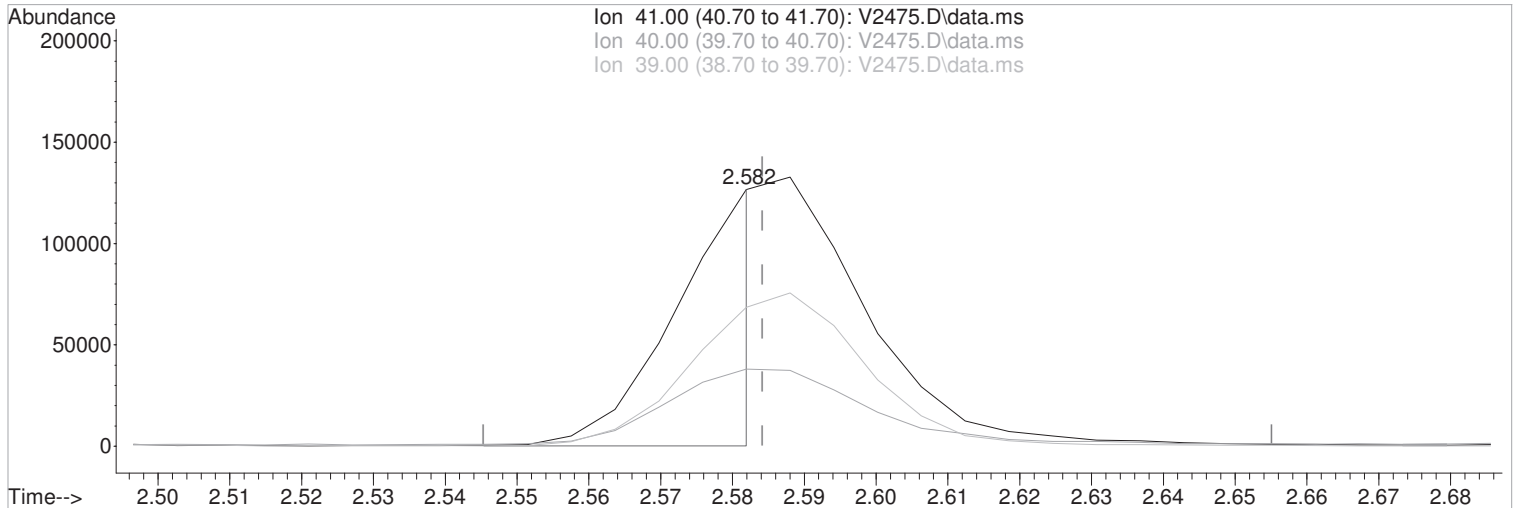
Tgt Ion	Ratio	Lower	Upper
159	100		
161	88.2	40.9	80.9#
194	50.4	23.4	63.4



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2475.D
Acq On : 15 Mar 2022 11:45 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 12:25:38 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2475.D\data.ms

(19) Acetonitrile

2.582min (-0.002) 100.09 ug/L m

response 107333

Ion	Exp%	Act%

41.00	100	100

40.00	53.60	30.03#

39.00	20.70	54.11#

0.00	0.00	0.00

Manual Integration:

After

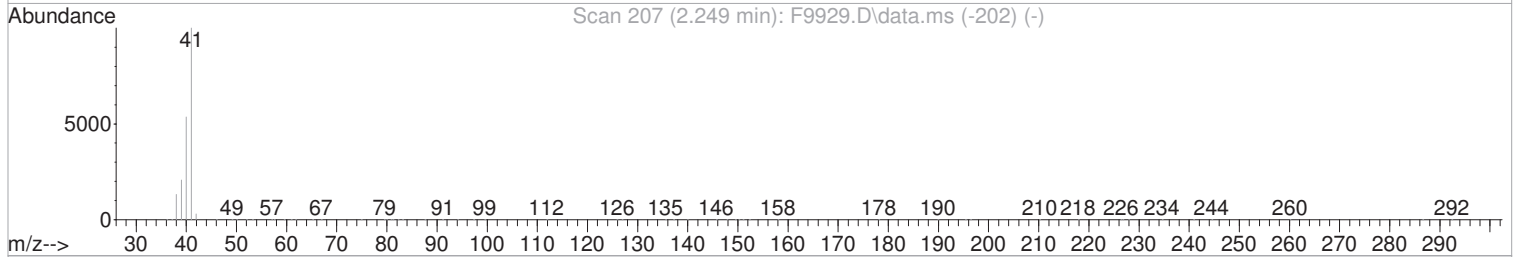
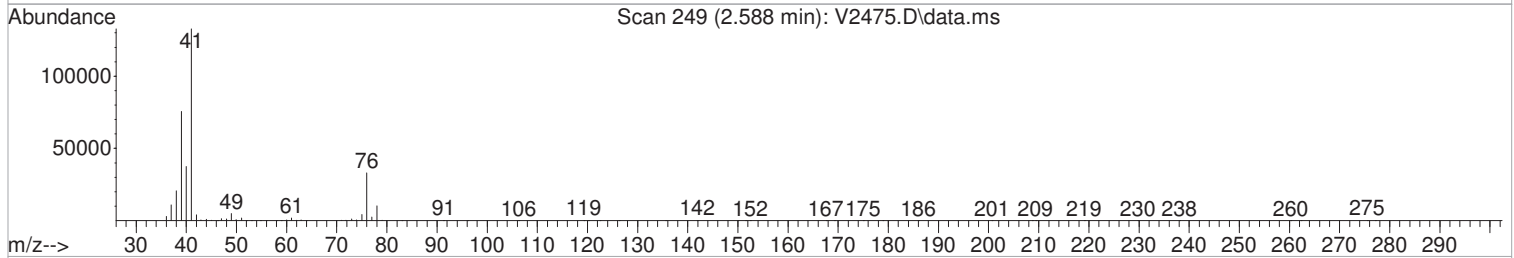
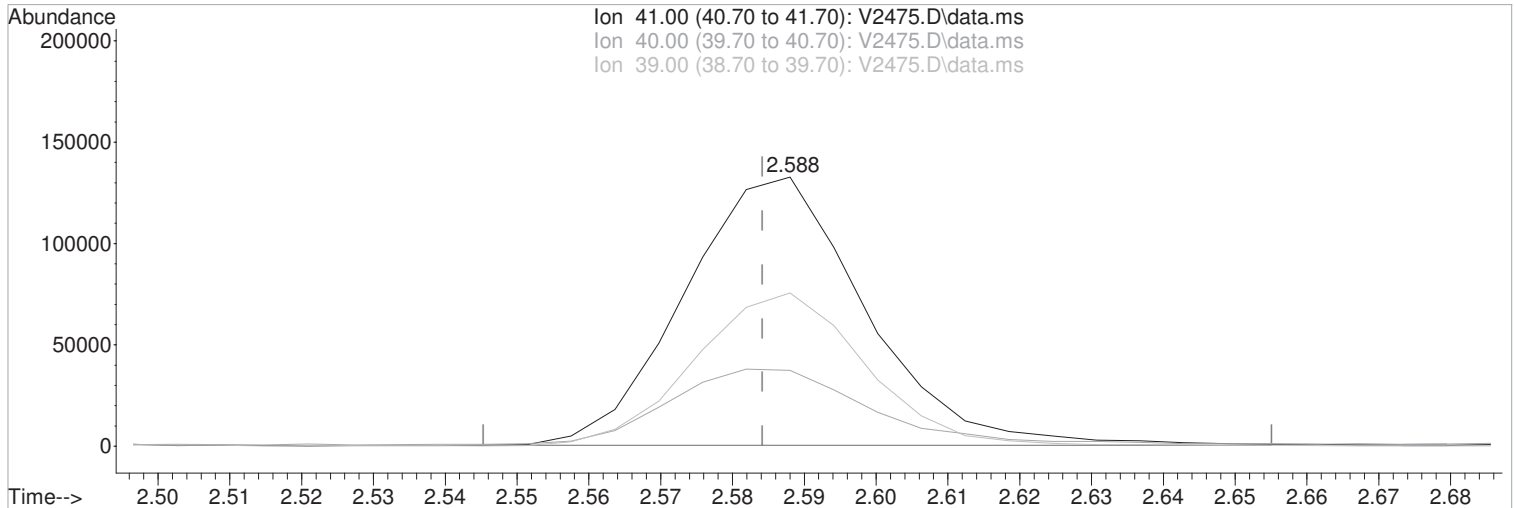
Poor integration.

03/15/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2475.D
Acq On : 15 Mar 2022 11:45 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 12:25:38 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2475.D\data.ms

(19) Acetonitrile

Manual Integration:

2.588min (+0.004) 217.39 ug/L

Before

response 233109

Ion	Exp%	Act%

03/15/22

41.00	100	100

40.00	53.60	28.15#

39.00	20.70	56.93#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2475.D
 Acq On : 15 Mar 2022 11:45 am
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 12:25:59 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.368	168	606590	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.490	114	866512	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	795366	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.037	152	431409	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	290087	53.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	106.36%
47) surr1,1,2-dichloroetha...	5.783	65	360275	53.49	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	106.98%
64) SURR3,Toluene-d8	8.373	98	1048357	50.91	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.82%
69) SURR2,BFB	11.050	95	417648	52.28	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	104.56%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	101962	15.49	ug/L	98
3) Chloromethane	1.271	50	107453	17.91	ug/L	99
4) Vinyl Chloride	1.332	62	112192	18.43	ug/L	99
5) Bromomethane	1.552	94	57451	12.05	ug/L	99
6) Chloroethane	1.637	64	77475	21.23	ug/L	97
7) Freon 21	1.789	67	167730	17.23	ug/L	100
8) Trichlorofluoromethane	1.826	101	162187	20.50	ug/L	98
9) Diethyl Ether	2.064	59	88842	16.74	ug/L	95
10) Freon 123a	2.070	67	110496	18.20	ug/L	90
11) Freon 123	2.125	83	120314	16.92	ug/L	89
12) Acrolein	2.180	56	55930	34.55	ug/L	98
13) 1,1-Dicethene	2.253	96	87521	17.74	ug/L	98
14) Freon 113	2.247	101	88878	17.74	ug/L	98
15) Acetone	2.320	43	52182	14.11	ug/L	99
16) 2-Propanol	2.460	45	236216	297.96	ug/L	94
17) Iodomethane	2.387	142	107434	14.58	ug/L	98
18) Carbon Disulfide	2.442	76	212936	16.13	ug/L	99
19) Acetonitrile	2.582	41	107333m	100.09	ug/L	
20) Allyl Chloride	2.588	76	51031	16.29	ug/L	# 1
21) Methyl Acetate	2.625	43	106677	11.49	ug/L	96
22) Methylene Chloride	2.710	84	101463	16.51	ug/L	97
23) TBA	2.868	59	409733	315.85	ug/L	99
24) Acrylonitrile	2.990	53	272570	78.32	ug/L	98
25) Methyl-t-Butyl Ether	3.009	73	339528	16.58	ug/L	99
26) trans-1,2-Dichloroethene	2.996	96	96055	17.80	ug/L	97
27) 1,1-Dicethane	3.502	63	171333	16.97	ug/L	96
28) Vinyl Acetate	3.600	86	23852	25.91	ug/L	# 53
29) DIPE	3.612	45	297094	16.03	ug/L	# 49
30) 2-Chloro-1,3-Butadiene	3.612	53	143948	18.06	ug/L	100
31) ETBE	4.136	59	284825	15.15	ug/L	97
32) 2,2-Dichloropropane	4.325	77	155219	17.55	ug/L	98
33) cis-1,2-Dichloroethene	4.350	96	112598	18.02	ug/L	90
34) 2-Butanone	4.441	43	70591	13.28	ug/L	92
35) Propionitrile	4.545	54	115611	78.71	ug/L	99
36) Bromochloromethane	4.746	130	75687	18.01	ug/L	88
37) Methacrylonitrile	4.795	67	58115	16.01	ug/L	86
38) Tetrahydrofuran	4.874	42	46935	14.97	ug/L	97
39) Chloroform	4.929	83	179485	17.45	ug/L	98
40) 1,1,1-Trichloroethane	5.209	97	164632	19.02	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2475.D
 Acq On : 15 Mar 2022 11:45 am
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 12:25:59 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	6.087	73	304452	16.52	ug/L	99
43) Cyclohexane	5.264	41	86510	17.12	ug/L	87
45) Carbontetrachloride	5.478	117	143664	20.82	ug/L	93
46) 1,1-Dichloropropene	5.502	75	131412	19.21	ug/L	98
48) Benzene	5.843	78	374021	17.56	ug/L	92
49) 1,2-Dichloroethane	5.904	62	154866	18.46	ug/L	98
50) Iso-Butyl Alcohol	5.923	43	156377	290.66	ug/L	97
51) n-Heptane	6.313	43	102664	15.32	ug/L	90
52) 1-Butanol	6.910	56	245166	762.57	ug/L	97
53) Trichloroethene	6.819	130	112657	19.41	ug/L	99
54) Methylcyclohexane	7.044	55	113507	16.61	ug/L	99
55) 1,2-Diclpropane	7.130	63	98763	16.69	ug/L	94
56) Dibromomethane	7.282	93	73666	18.86	ug/L	94
57) 1,4-Dioxane	7.368	88	46930	344.37	ug/L	95
58) Methyl Methacrylate	7.368	69	97002	17.65	ug/L	99
59) Bromodichloromethane	7.520	83	144417	19.13	ug/L	98
60) 2-Nitropropane	7.843	41	93700	44.35	ug/L	94
62) cis-1,3-Dichloropropene	8.081	75	168631	19.11	ug/L	98
63) 4-Methyl-2-pentanone	8.313	43	143219	15.88	ug/L	97
65) Toluene	8.453	91	412838	18.20	ug/L	98
66) trans-1,3-Dichloropropene	8.758	75	164157	19.62	ug/L	98
67) Ethyl Methacrylate	8.898	69	143211	15.26	ug/L	97
68) 1,1,2-Trichloroethane	8.953	97	104524	18.47	ug/L	98
71) Tetrachloroethene	9.068	164	87912	20.35	ug/L	93
72) 2-Hexanone	9.270	43	106212	15.19	ug/L	99
73) 1,3-Dichloropropane	9.129	76	176971	17.84	ug/L	95
74) Dibromochloromethane	9.367	129	115566	19.84	ug/L	99
75) N-Butyl Acetate	9.422	43	202081	15.19	ug/L	100
76) 1,2-Dibromoethane	9.465	107	114427	18.74	ug/L	98
77) 3-Chlorobenzotrifluoride	9.989	180	157587	19.19	ug/L	97
78) Chlorobenzene	9.971	112	287190	18.53	ug/L	98
79) 4-Chlorobenzotrifluoride	10.044	180	143633	19.39	ug/L	95
80) 1,1,1,2-Tetrachloroethane	10.062	131	112676	20.15	ug/L	99
81) Ethylbenzene	10.087	106	149985	19.20	ug/L	97
82) (m+p)Xylene	10.202	106	371532	37.98	ug/L	98
83) o-Xylene	10.574	106	179835	18.69	ug/L	97
84) Styrene	10.593	104	299797	18.19	ug/L	97
85) Bromoform	10.757	173	89307	20.03	ug/L	95
86) 2-Chlorobenzotrifluoride	10.836	180	155292	19.21	ug/L	99
87) Isopropylbenzene	10.916	105	454064	19.18	ug/L	99
88) Cyclohexanone	11.007	55	134072	91.58	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.251	53	42363	17.88	ug/L	95
91) 1,1,2,2-Tetrachloroethane	11.202	83	152226	16.91	ug/L	99
92) Bromobenzene	11.172	156	130575	19.18	ug/L	96
93) 1,2,3-Trichloropropane	11.233	110	54261	17.34	ug/L	97
94) n-Propylbenzene	11.281	91	541450	18.88	ug/L	99
95) 2-Chlorotoluene	11.342	91	323129	17.70	ug/L	97
96) 3-Chlorotoluene	11.403	91	327711	17.44	ug/L	100
97) 4-Chlorotoluene	11.440	91	384136	18.11	ug/L	96
98) 1,3,5-Trimethylbenzene	11.434	105	394199	17.80	ug/L	98
99) tert-Butylbenzene	11.714	119	337059	18.16	ug/L	99
100) 1,2,4-Trimethylbenzene	11.751	105	396658	17.87	ug/L	93
101) 3,4-Dichlorobenzotrifl...	11.818	214	125401	18.49	ug/L	100
102) sec-Butylbenzene	11.897	105	472135	17.94	ug/L	99
103) p-Isopropyltoluene	12.019	119	408987	17.67	ug/L	98
104) 1,3-Dclbenz	11.983	146	244410	19.06	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2475.D
 Acq On : 15 Mar 2022 11:45 am
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 12:25:59 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
105)	1,4-Dclbenz	12.056	146	244728	18.13	ug/L	99
106)	2,4-Dichlorobenzotrifl...	12.111	214	114995	18.49	ug/L	95
107)	2,5-Dichlorobenzotrifl...	12.153	214	127549	18.08	ug/L	98
108)	n-Butylbenzene	12.354	91	356544	17.25	ug/L	99
109)	1,2-Dclbenz	12.367	146	238290	18.44	ug/L	98
110)	1,2-Dibromo-3-chloropr...	13.007	157	43437	17.90	ug/L	89
111)	Trielution Dichlorotol...	13.116	125	587559	50.85	ug/L	99
112)	1,3,5-Trichlorobenzene	13.159	180	170272	17.52	ug/L	97
113)	Coelution Dichlorotoluene	13.446	125	442922	34.63	ug/L	97
114)	1,2,4-Tcbenzene	13.653	180	178117	19.12	ug/L	93
115)	Hexachlorobt	13.781	225	79056	18.70	ug/L	96
116)	Naphthalen	13.848	128	520751	16.19	ug/L	99
117)	1,2,3-Tclbenzene	14.037	180	177196	18.91	ug/L	98
118)	2,4,5-Trichlorotoluene	14.616	159	115761	16.72	ug/L	99
119)	2,3,6-Trichlorotoluene	14.702	159	106614	16.90	ug/L	97

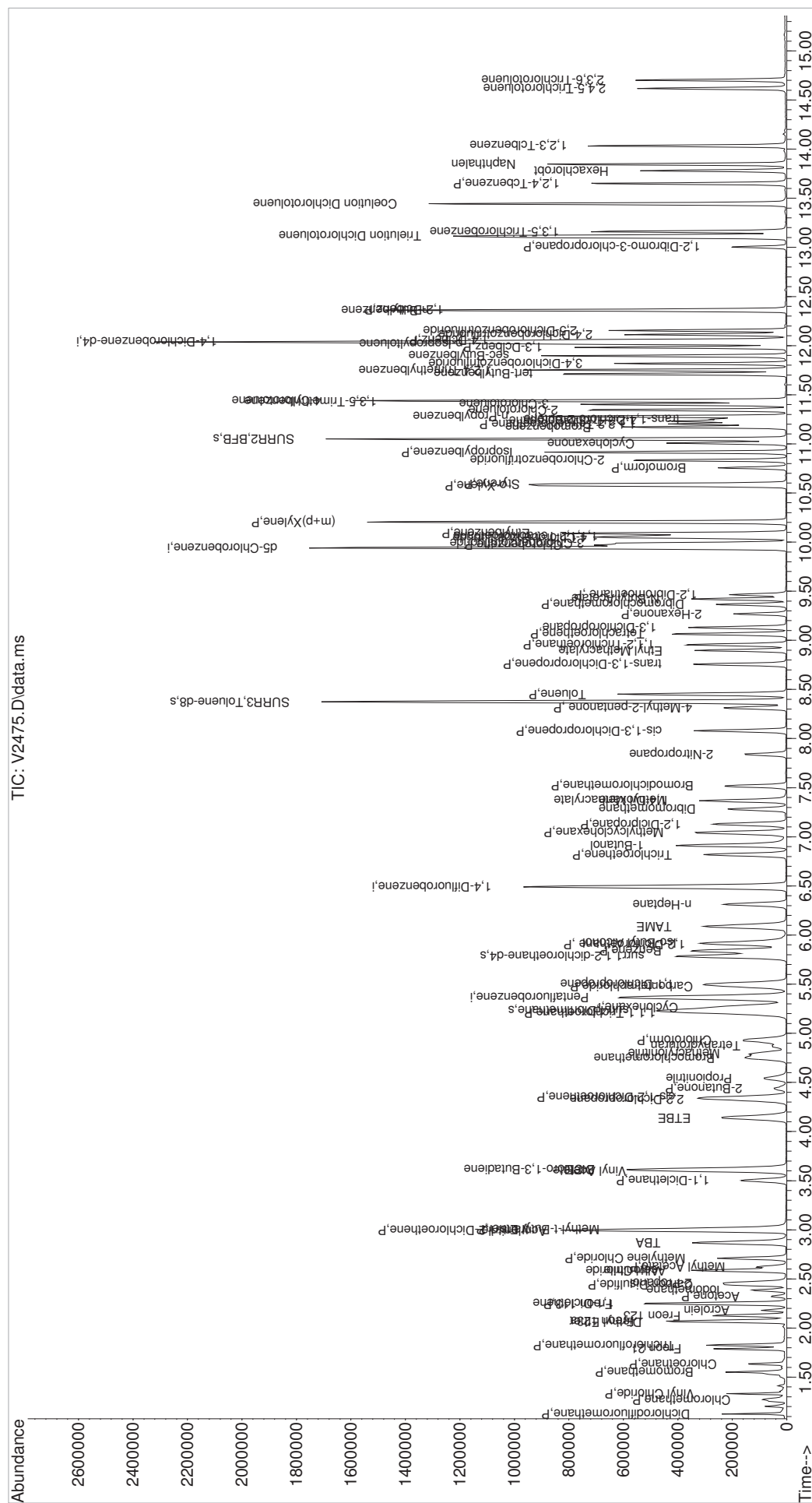
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2475.D
Acq On : 15 Mar 2022 11:45 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1
```

Inst : MSVOA14

ALS Vial : 3 Sample Multiplier: 1

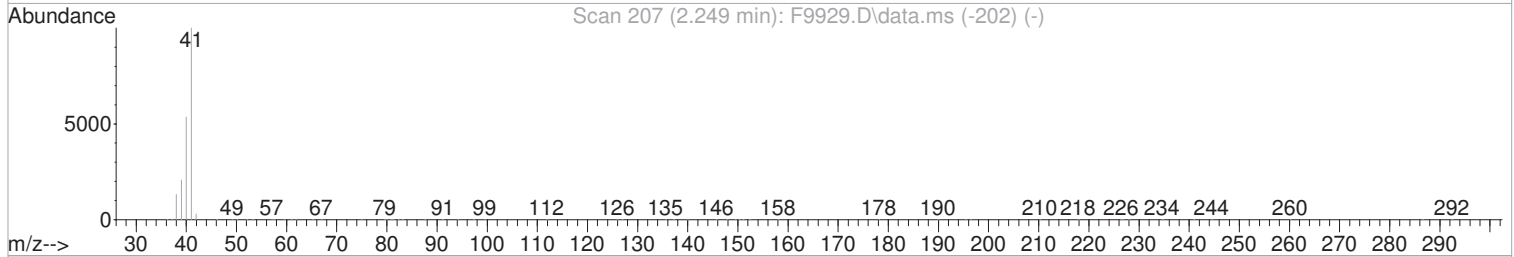
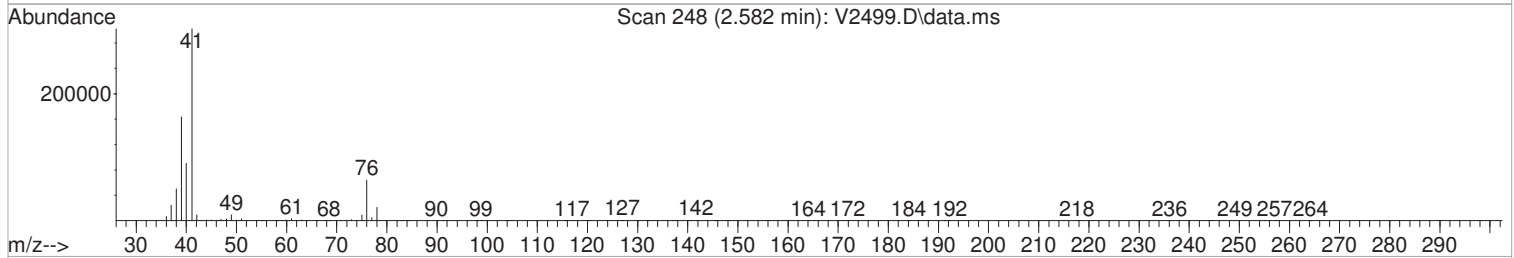
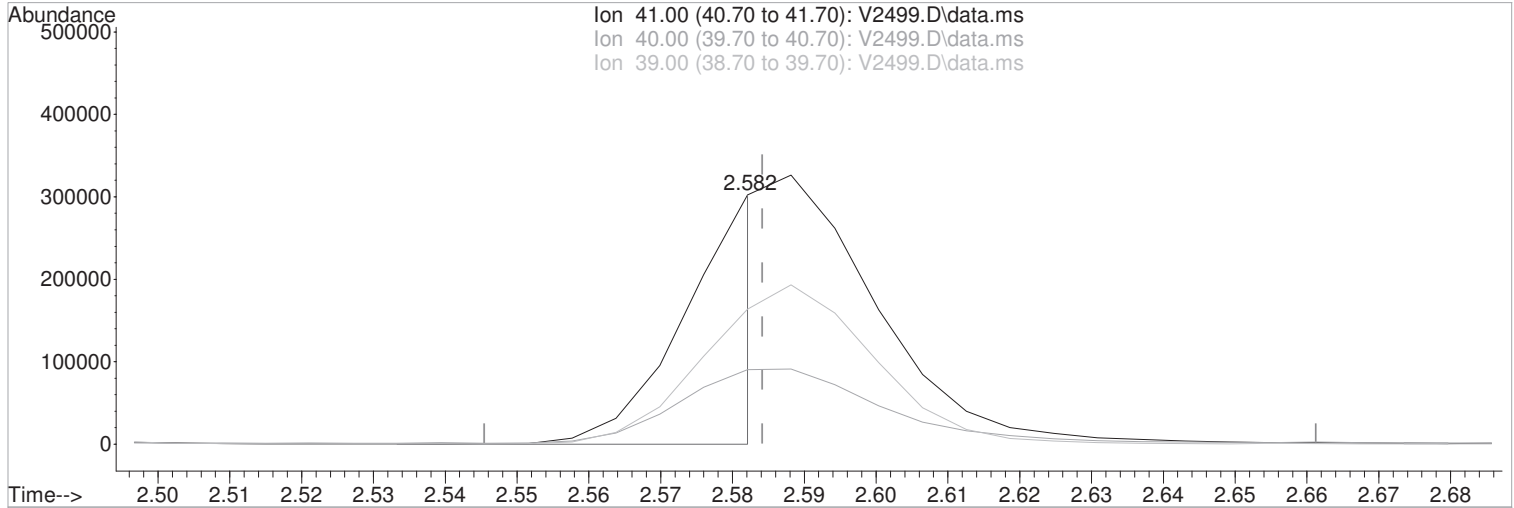
Quant Time: Mar 15 12:25:59 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2499.D
Acq On : 15 Mar 2022 8:57 pm
Operator : F.NAEGLER
Sample : R2202100-008MS|5.0
Misc : VERINA 6646 T4
ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:52 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2499.D\data.ms

(19) Acetonitrile

2.582min (-0.002) 223.42 ug/L m

response 235014

Ion	Exp%	Act%
41.00	100	100
40.00	53.60	29.97#
39.00	20.70	54.16#
0.00	0.00	0.00

Manual Integration:

After

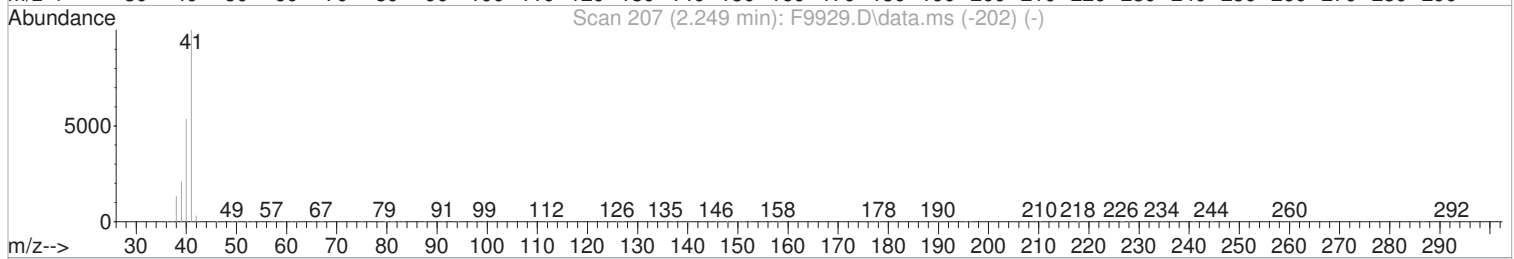
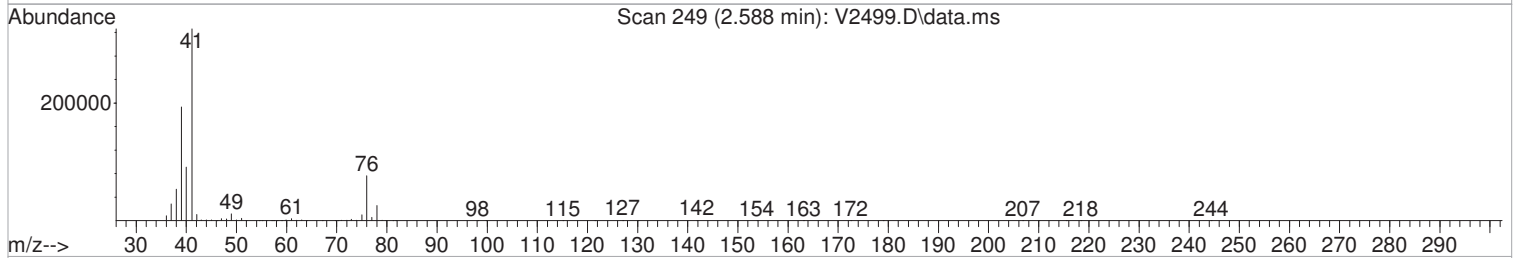
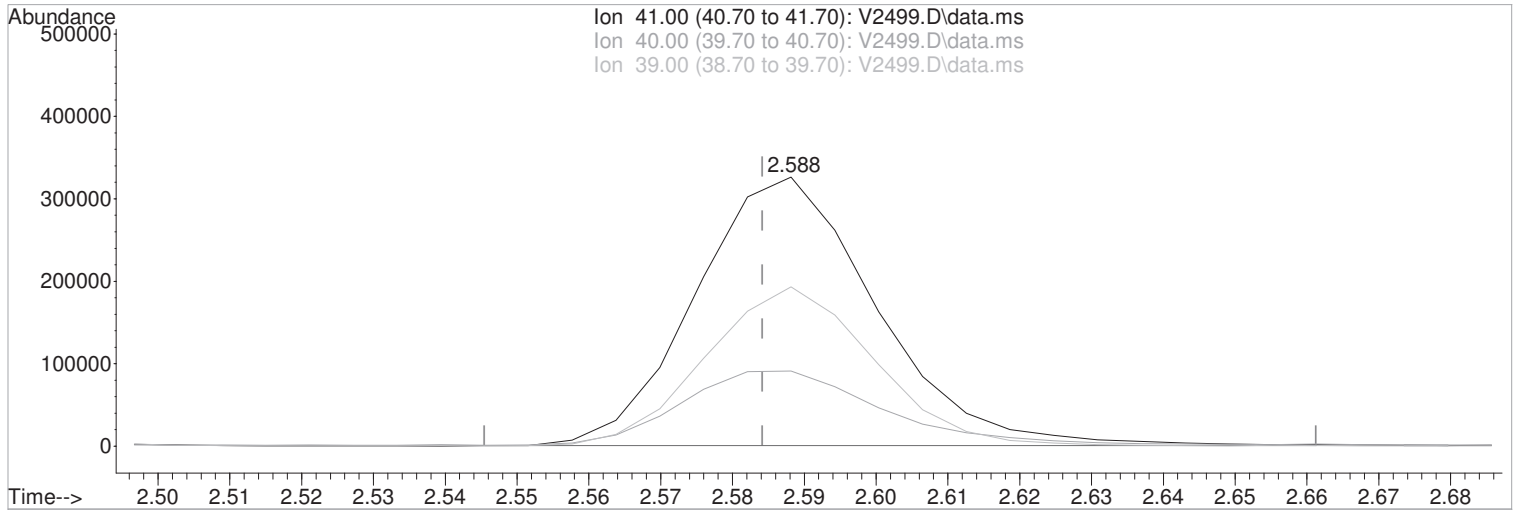
Poor integration.

03/16/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2499.D
Acq On : 15 Mar 2022 8:57 pm
Operator : F.NAEGLER
Sample : R2202100-008MS|5.0
Misc : VERINA 6646 T4
ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:12:52 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2499.D\data.ms

(19) Acetonitrile

Manual Integration:

2.588min (+0.004) 543.91 ug/L

Before

response 572127

Ion	Exp%	Act%

03/16/22

41.00	100	100
40.00	53.60	27.91#
39.00	20.70	59.27#
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2499.D
 Acq On : 15 Mar 2022 8:57 pm
 Operator : F.NAEGLER
 Sample : R2202100-008MS|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:41:04 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.368	168	595018	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	849173	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	779434	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	421374	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	282132	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	105.54%
47) surr1,1,2-dichloroetha...	5.789	65	357452	54.16	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	108.32%
64) SURR3,Toluene-d8	8.380	98	1039673	51.52	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	103.04%
69) SURR2,BFB	11.050	95	412134	52.64	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	105.28%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	290179	44.94	ug/L	98
3) Chloromethane	1.271	50	267267	45.40	ug/L	100
4) Vinyl Chloride	1.332	62	289290	48.44	ug/L	97
5) Bromomethane	1.552	94	145980	35.42	ug/L	100
6) Chloroethane	1.631	64	194690	54.39	ug/L	99
7) Freon 21	1.790	67	448654	46.98	ug/L	100
8) Trichlorofluoromethane	1.826	101	418516	53.92	ug/L	98
9) Diethyl Ether	2.064	59	208786	40.12	ug/L	97
10) Freon 123a	2.076	67	296924	49.86	ug/L	89
11) Freon 123	2.131	83	321455	46.09	ug/L	95
12) Acrolein	2.180	56	125142	78.82	ug/L	95
13) 1,1-Dicethene	2.253	96	226538	46.81	ug/L	99
14) Freon 113	2.253	101	224078	45.60	ug/L	97
15) Acetone	2.320	43	131703	36.29	ug/L	96
16) 2-Propanol	2.466	45	586244	753.87	ug/L	93
17) Iodomethane	2.387	142	316108	43.75	ug/L	92
18) Carbon Disulfide	2.442	76	535830	41.38	ug/L	100
19) Acetonitrile	2.582	41	235014m	223.42	ug/L	
20) Allyl Chloride	2.588	76	125252	40.76	ug/L	# 1
21) Methyl Acetate	2.625	43	264644	29.06	ug/L	97
22) Methylene Chloride	2.710	84	242158	40.16	ug/L	98
23) TBA	2.869	59	1009072	792.98	ug/L	97
24) Acrylonitrile	2.997	53	661705	193.82	ug/L	99
25) Methyl-t-Butyl Ether	3.009	73	797404	39.70	ug/L	100
26) trans-1,2-Dichloroethene	2.997	96	245906	46.44	ug/L	99
27) 1,1-Dicethane	3.503	63	438181	44.23	ug/L	99
28) Vinyl Acetate	3.600	86	52990	56.14	ug/L	# 12
29) DIPE	3.612	45	756730	41.63	ug/L	# 46
30) 2-Chloro-1,3-Butadiene	3.618	53	368574	47.14	ug/L	99
31) ETBE	4.143	59	715911	38.82	ug/L	98
32) 2,2-Dichloropropane	4.332	77	355421	40.97	ug/L	98
33) cis-1,2-Dichloroethene	4.350	96	600711	97.98	ug/L	91
34) 2-Butanone	4.435	43	169939	32.60	ug/L	99
35) Propionitrile	4.545	54	278915	193.58	ug/L	98
36) Bromochloromethane	4.752	130	182901	44.38	ug/L	# 86
37) Methacrylonitrile	4.795	67	138732	38.95	ug/L	94
38) Tetrahydrofuran	4.862	42	112977	36.73	ug/L	98
39) Chloroform	4.935	83	446239	44.23	ug/L	99
40) 1,1,1-Trichloroethane	5.216	97	419271	49.39	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2499.D
 Acq On : 15 Mar 2022 8:57 pm
 Operator : F.NAEGLER
 Sample : R2202100-008MS|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:41:04 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	6.087	73	771175	42.65	ug/L	100
43) Cyclohexane	5.271	41	227895	46.01	ug/L	89
45) Carbontetrachloride	5.484	117	367832	54.39	ug/L	99
46) 1,1-Dichloropropene	5.502	75	336043	50.14	ug/L	98
48) Benzene	5.844	78	932701	44.69	ug/L	89
49) 1,2-Dichloroethane	5.911	62	375994	45.74	ug/L	99
50) Iso-Butyl Alcohol	5.929	43	396475	751.97	ug/L	99
51) n-Heptane	6.319	43	221194	33.68	ug/L	94
52) 1-Butanol	6.917	56	656198	2082.74	ug/L	98
53) Trichloroethene	6.819	130	882160	155.12	ug/L	97
54) Methylcyclohexane	7.045	55	291266	43.50	ug/L	95
55) 1,2-Diclpropane	7.130	63	242243	41.77	ug/L	97
56) Dibromomethane	7.282	93	180783	47.22	ug/L	91
57) 1,4-Dioxane	7.362	88	112193	840.07	ug/L	96
58) Methyl Methacrylate	7.368	69	235562	43.73	ug/L	100
59) Bromodichloromethane	7.520	83	356100	48.13	ug/L	99
60) 2-Nitropropane	7.843	41	224355	108.37	ug/L	98
61) 2-Chloroethylvinyl Ether	7.880	63	699	0.53	ug/L #	54
62) cis-1,3-Dichloropropene	8.081	75	407587	47.12	ug/L	99
63) 4-Methyl-2-pentanone	8.313	43	348850	39.48	ug/L	98
65) Toluene	8.453	91	1035889	46.60	ug/L	96
66) trans-1,3-Dichloropropene	8.758	75	392182	47.83	ug/L	98
67) Ethyl Methacrylate	8.898	69	354970	38.60	ug/L	98
68) 1,1,2-Trichloroethane	8.959	97	248505	44.81	ug/L	99
71) Tetrachloroethene	9.069	164	218952	51.71	ug/L	98
72) 2-Hexanone	9.270	43	263911	38.53	ug/L	96
73) 1,3-Dichloropropane	9.130	76	417084	42.91	ug/L	97
74) Dibromochloromethane	9.367	129	286684	50.22	ug/L	97
75) N-Butyl Acetate	9.422	43	512809	39.34	ug/L	99
76) 1,2-Dibromoethane	9.465	107	277231	46.34	ug/L	97
77) 3-Chlorobenzotrifluoride	9.989	180	396654	49.29	ug/L	97
78) Chlorobenzene	9.971	112	701548	46.19	ug/L	97
79) 4-Chlorobenzotrifluoride	10.050	180	351077	48.36	ug/L	95
80) 1,1,1,2-Tetrachloroethane	10.062	131	274336	50.07	ug/L	99
81) Ethylbenzene	10.093	106	374505	48.91	ug/L	94
82) (m+p)Xylene	10.209	106	923826	96.37	ug/L	97
83) o-Xylene	10.574	106	447191	47.42	ug/L	100
84) Styrene	10.593	104	749701	46.42	ug/L	99
85) Bromoform	10.757	173	215744	49.37	ug/L	95
86) 2-Chlorobenzotrifluoride	10.837	180	395604	49.93	ug/L	97
87) Isopropylbenzene	10.916	105	1135968	48.96	ug/L	100
88) Cyclohexanone	11.007	55	328314	228.84	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.251	53	103302	44.49	ug/L	98
91) 1,1,2,2-Tetrachloroethane	11.202	83	381429	43.37	ug/L	98
92) Bromobenzene	11.172	156	311883	46.91	ug/L	96
93) 1,2,3-Trichloropropane	11.233	110	132063	43.21	ug/L	95
94) n-Propylbenzene	11.282	91	1332728	47.58	ug/L	99
95) 2-Chlorotoluene	11.349	91	787352	44.15	ug/L	97
96) 3-Chlorotoluene	11.404	91	835494	45.53	ug/L	98
97) 4-Chlorotoluene	11.440	91	920145	44.41	ug/L	97
98) 1,3,5-Trimethylbenzene	11.434	105	973576	45.01	ug/L	98
99) tert-Butylbenzene	11.714	119	827516	45.65	ug/L	99
100) 1,2,4-Trimethylbenzene	11.751	105	951472	43.88	ug/L	94
101) 3,4-Dichlorobenzotrifl...	11.818	214	294133	44.39	ug/L	98
102) sec-Butylbenzene	11.897	105	1156759	45.01	ug/L	99
103) p-Isopropyltoluene	12.019	119	1000866	44.26	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2499.D
 Acq On : 15 Mar 2022 8:57 pm
 Operator : F.NAEGLER
 Sample : R2202100-008MS|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:41:04 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) 1,3-Dclbenz	11.983	146	564958	45.10	ug/L	97
105) 1,4-Dclbenz	12.056	146	579759	43.98	ug/L	99
106) 2,4-Dichlorobenzotrifl...	12.111	214	273934	45.10	ug/L	98
107) 2,5-Dichlorobenzotrifl...	12.153	214	304837	44.25	ug/L	99
108) n-Butylbenzene	12.355	91	859449	42.56	ug/L	99
109) 1,2-Dclbenz	12.367	146	569820	45.16	ug/L	97
110) 1,2-Dibromo-3-chloropr...	13.007	157	106094	44.75	ug/L	90
111) Trielution Dichlorotol...	13.117	125	1469101	130.18	ug/L	99
112) 1,3,5-Trichlorobenzene	13.159	180	420475	44.29	ug/L	98
113) Coelution Dichlorotoluene	13.446	125	1086527	86.97	ug/L	97
114) 1,2,4-Tcbenzene	13.653	180	409976	45.07	ug/L	98
115) Hexachlorobt	13.781	225	182958	44.30	ug/L	98
116) Naphthalen	13.848	128	1270920	40.45	ug/L	99
117) 1,2,3-Tclbenzene	14.031	180	404865	44.24	ug/L	97
118) 2,4,5-Trichlorotoluene	14.616	159	265319	39.23	ug/L	97
119) 2,3,6-Trichlorotoluene	14.702	159	248896	40.40	ug/L	96

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

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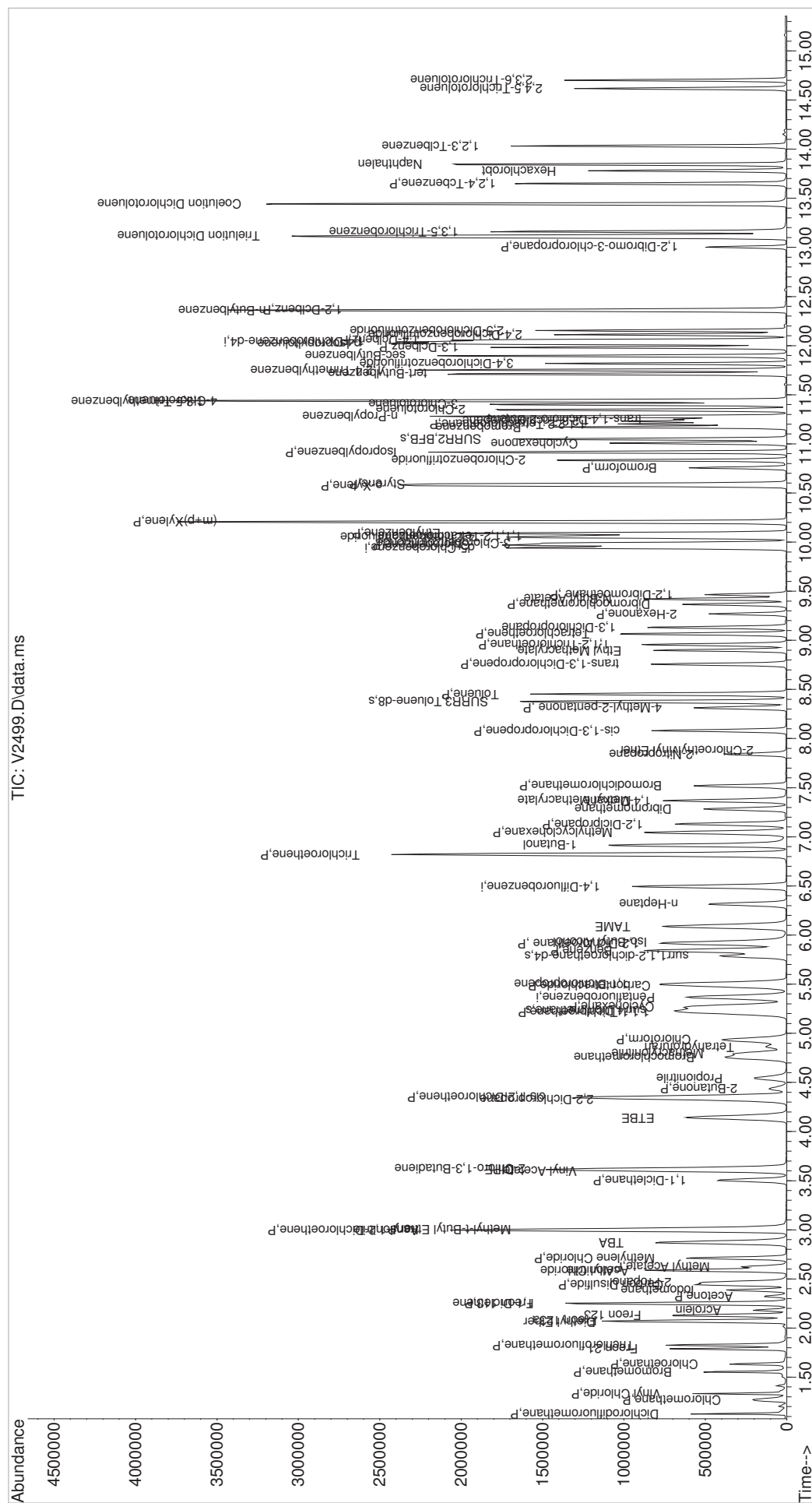
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Acq On : 15 Mar 2022 8:57 pm
Operator : F.NAEGLER
Sample : R220100-008MS|5.0
Misc : VERINA 6646 T4
ALS Vial : 27 Sample Multiplier: 1

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Inst : MSVOA14

ALS Vial : 27 Sample Multiplier: 1

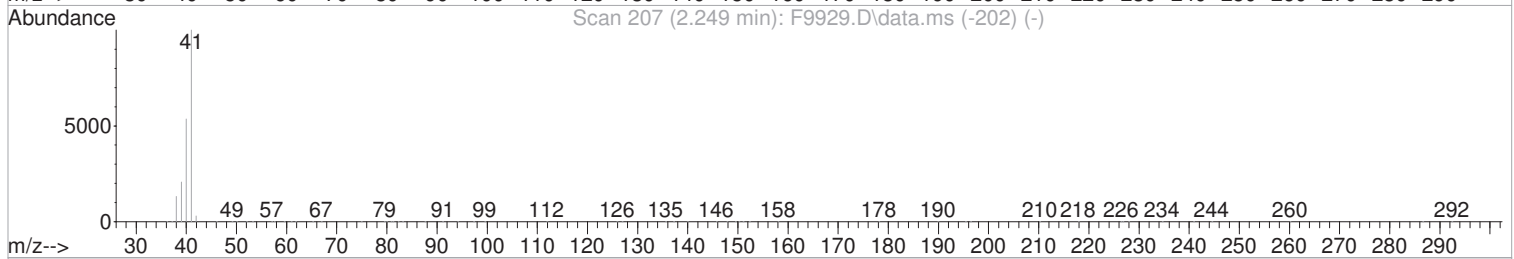
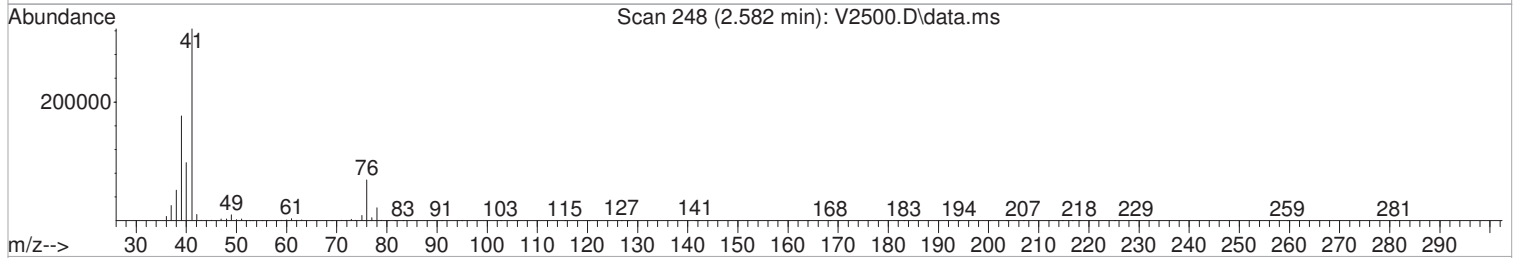
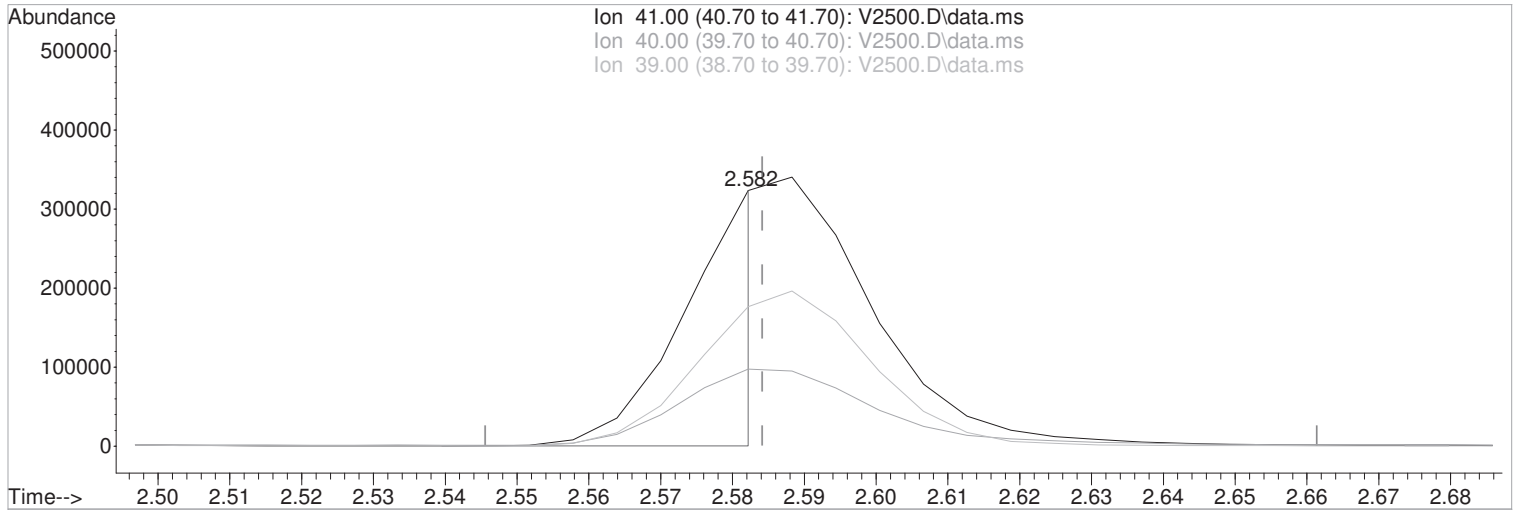
Quant Time: Mar 16 16:41:04 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2500.D
Acq On : 15 Mar 2022 9:19 pm
Operator : F.NAEGLER
Sample : R2202100-008DMS|5.0
Misc : VERINA 6646 T4
ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:13:06 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2500.D\data.ms

(19) Acetonitrile

2.582min (-0.002) 241.85 ug/L m

response 254892

Ion	Exp%	Act%

41.00	100	100

40.00	53.60	30.21#

39.00	20.70	54.55#

0.00	0.00	0.00

Manual Integration:

After

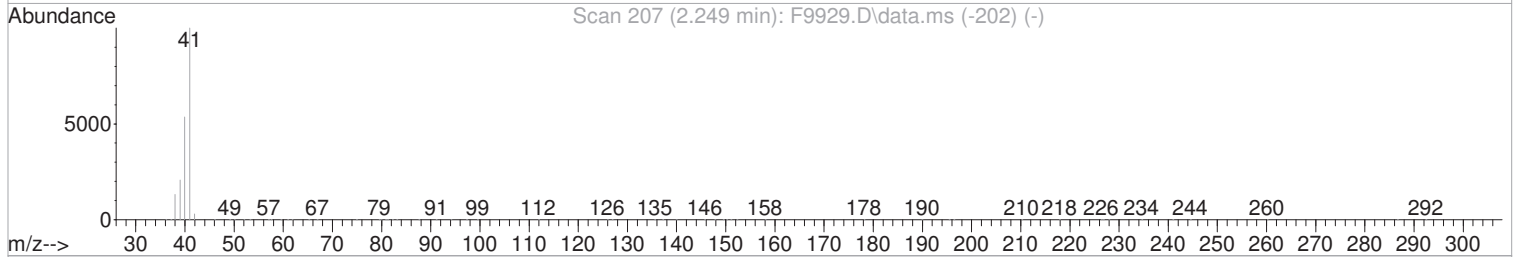
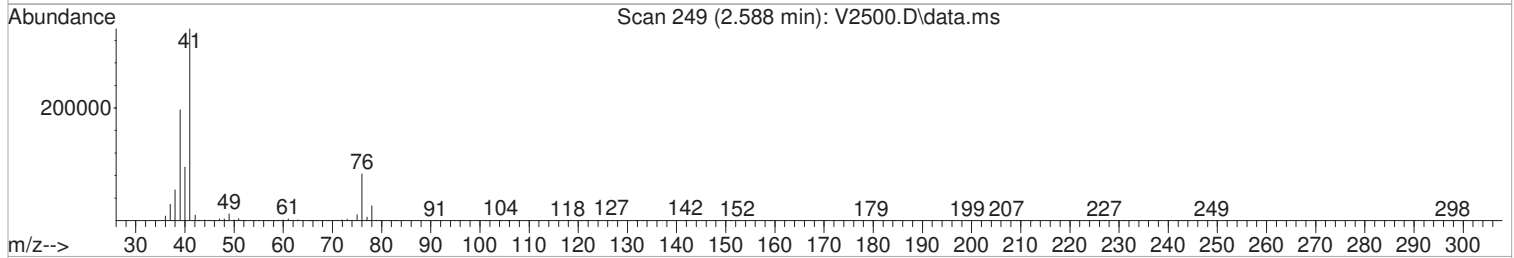
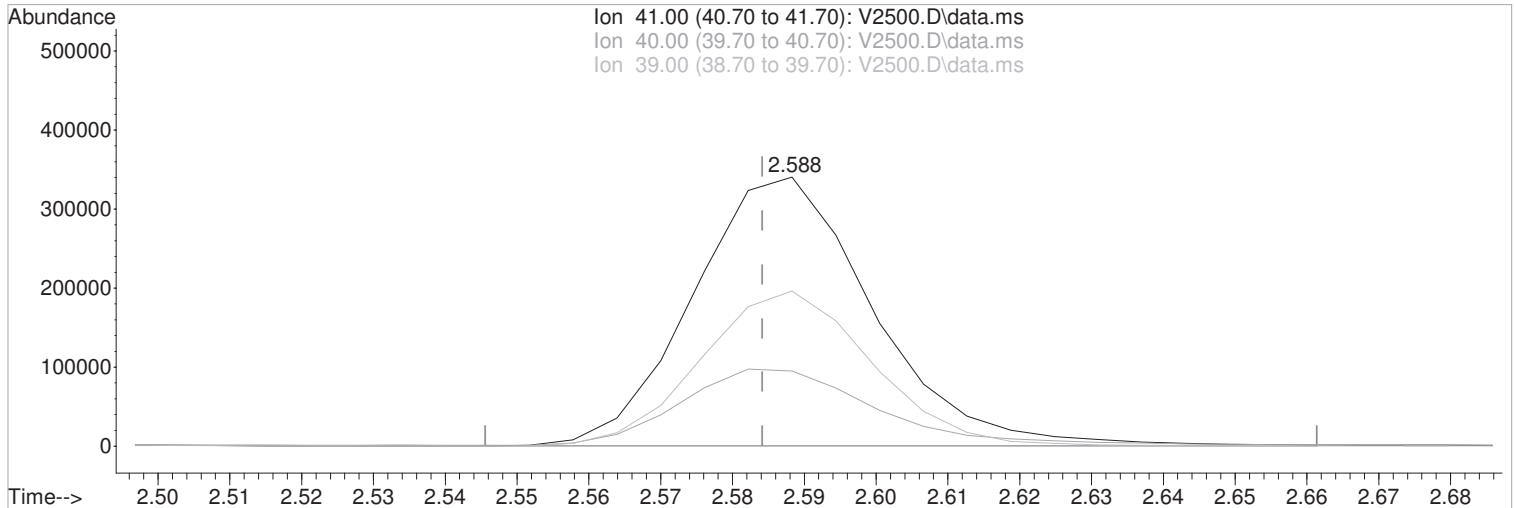
Poor integration.

03/16/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2500.D
Acq On : 15 Mar 2022 9:19 pm
Operator : F.NAEGLER
Sample : R2202100-008DMS|5.0
Misc : VERINA 6646 T4
ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 09:13:06 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2500.D\data.ms

(19) Acetonitrile

Manual Integration:

2.588min (+0.004) 564.77 ug/L

Before

response 595228

Ion	Exp%	Act%

03/16/22

41.00	100	100
40.00	53.60	27.92#
39.00	20.70	57.69#
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2500.D
 Acq On : 15 Mar 2022 9:19 pm
 Operator : F.NAEGLER
 Sample : R2202100-008DMS|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:42:09 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.368	168	596176	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	847540	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.941	117	777514	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	421817	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	285090	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	106.86%
47) surr1,1,2-dichloroetha...	5.789	65	356899	54.18	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	108.36%
64) SURR3,Toluene-d8	8.380	98	1037364	51.50	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	103.00%
69) SURR2,BFB	11.050	95	408201	52.24	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	104.48%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	299614	46.31	ug/L	97
3) Chloromethane	1.271	50	284460	48.23	ug/L	99
4) Vinyl Chloride	1.332	62	308088	51.49	ug/L	98
5) Bromomethane	1.552	94	153517	37.60	ug/L	100
6) Chloroethane	1.631	64	200799	55.99	ug/L	100
7) Freon 21	1.790	67	444325	46.44	ug/L	98
8) Trichlorofluoromethane	1.826	101	431562	55.49	ug/L	98
9) Diethyl Ether	2.064	59	218942	41.99	ug/L	97
10) Freon 123a	2.076	67	299124	50.13	ug/L	92
11) Freon 123	2.125	83	321439	46.00	ug/L	91
12) Acrolein	2.180	56	118004	74.18	ug/L	99
13) 1,1-Dicethene	2.253	96	235629	48.60	ug/L	100
14) Freon 113	2.247	101	231932	47.11	ug/L	99
15) Acetone	2.320	43	122129	33.59	ug/L	97
16) 2-Propanol	2.460	45	583761	749.22	ug/L	93
17) Iodomethane	2.387	142	309142	42.70	ug/L	95
18) Carbon Disulfide	2.442	76	506303	39.03	ug/L	99
19) Acetonitrile	2.582	41	254892m	241.85	ug/L	
20) Allyl Chloride	2.588	76	130146	42.27	ug/L #	1
21) Methyl Acetate	2.625	43	265329	29.07	ug/L	97
22) Methylene Chloride	2.710	84	254040	42.05	ug/L	97
23) TBA	2.869	59	1026101	804.80	ug/L	100
24) Acrylonitrile	2.997	53	679350	198.60	ug/L	99
25) Methyl-t-Butyl Ether	3.009	73	835154	41.49	ug/L	99
26) trans-1,2-Dichloroethene	2.997	96	254306	47.94	ug/L	98
27) 1,1-Dicethane	3.503	63	450248	45.36	ug/L	96
28) Vinyl Acetate	3.600	86	50933	54.01	ug/L #	21
29) DIPE	3.612	45	798973	43.87	ug/L #	53
30) 2-Chloro-1,3-Butadiene	3.619	53	347453	44.35	ug/L	96
31) ETBE	4.143	59	754478	40.83	ug/L	98
32) 2,2-Dichloropropane	4.332	77	368494	42.40	ug/L	98
33) cis-1,2-Dichloroethene	4.350	96	617183	100.47	ug/L	88
34) 2-Butanone	4.442	43	156188	29.90	ug/L	95
35) Propionitrile	4.545	54	287305	199.02	ug/L	98
36) Bromochloromethane	4.753	130	188784	45.72	ug/L	91
37) Methacrylonitrile	4.795	67	143298	40.16	ug/L	97
38) Tetrahydrofuran	4.862	42	114132	37.03	ug/L	97
39) Chloroform	4.935	83	467452	46.24	ug/L	98
40) 1,1,1-Trichloroethane	5.210	97	439177	51.64	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2500.D
 Acq On : 15 Mar 2022 9:19 pm
 Operator : F.NAEGLER
 Sample : R2202100-008DMS|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:42:09 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	6.088	73	808986	44.66	ug/L	99
43) Cyclohexane	5.271	41	224320	45.38	ug/L	87
45) Carbontetrachloride	5.484	117	381132	56.46	ug/L	99
46) 1,1-Dichloropropene	5.508	75	348855	52.15	ug/L	98
48) Benzene	5.844	78	973972	46.76	ug/L	90
49) 1,2-Dichloroethane	5.911	62	389798	47.51	ug/L	98
50) Iso-Butyl Alcohol	5.923	43	402763	765.37	ug/L	95
51) n-Heptane	6.313	43	227012	34.64	ug/L	96
52) 1-Butanol	6.911	56	674289	2144.28	ug/L	97
53) Trichloroethene	6.819	130	896822	158.00	ug/L	99
54) Methylcyclohexane	7.039	55	290844	43.52	ug/L	96
55) 1,2-Diclpropane	7.130	63	253686	43.83	ug/L	100
56) Dibromomethane	7.282	93	188455	49.32	ug/L	91
57) 1,4-Dioxane	7.362	88	113969	855.02	ug/L	98
58) Methyl Methacrylate	7.368	69	243937	45.37	ug/L	99
59) Bromodichloromethane	7.520	83	369536	50.04	ug/L	98
60) 2-Nitropropane	7.843	41	230788	111.69	ug/L	98
61) 2-Chloroethylvinyl Ether	7.886	63	414	0.47	ug/L #	47
62) cis-1,3-Dichloropropene	8.081	75	426424	49.39	ug/L	98
63) 4-Methyl-2-pentanone	8.313	43	325657	36.92	ug/L	98
65) Toluene	8.453	91	1074387	48.42	ug/L	96
66) trans-1,3-Dichloropropene	8.758	75	410302	50.14	ug/L	99
67) Ethyl Methacrylate	8.898	69	361341	39.37	ug/L	99
68) 1,1,2-Trichloroethane	8.959	97	257206	46.47	ug/L	96
71) Tetrachloroethene	9.069	164	228068	54.00	ug/L	96
72) 2-Hexanone	9.270	43	249120	36.46	ug/L	98
73) 1,3-Dichloropropane	9.136	76	436397	45.01	ug/L	97
74) Dibromochloromethane	9.367	129	296429	52.06	ug/L	99
75) N-Butyl Acetate	9.422	43	514096	39.54	ug/L	98
76) 1,2-Dibromoethane	9.465	107	286008	47.93	ug/L	97
77) 3-Chlorobenzotrifluoride	9.989	180	411739	51.29	ug/L	97
78) Chlorobenzene	9.971	112	736187	48.59	ug/L	97
79) 4-Chlorobenzotrifluoride	10.050	180	368686	50.91	ug/L	96
80) 1,1,1,2-Tetrachloroethane	10.062	131	289751	53.01	ug/L	98
81) Ethylbenzene	10.087	106	385617	50.49	ug/L	99
82) (m+p)Xylene	10.209	106	950677	99.42	ug/L	97
83) o-Xylene	10.575	106	465219	49.45	ug/L	100
84) Styrene	10.593	104	784338	48.69	ug/L	99
85) Bromoform	10.757	173	226168	51.88	ug/L	96
86) 2-Chlorobenzotrifluoride	10.837	180	410139	51.90	ug/L	99
87) Isopropylbenzene	10.916	105	1183256	51.13	ug/L	100
88) Cyclohexanone	11.007	55	336843	235.37	ug/L	95
89) trans-1,4-Dichloro-2-B...	11.251	53	108555	46.86	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.202	83	387589	44.03	ug/L	98
92) Bromobenzene	11.172	156	330186	49.61	ug/L	96
93) 1,2,3-Trichloropropane	11.233	110	134752	44.04	ug/L	95
94) n-Propylbenzene	11.282	91	1407474	50.19	ug/L	99
95) 2-Chlorotoluene	11.349	91	818513	45.85	ug/L	97
96) 3-Chlorotoluene	11.404	91	877348	47.76	ug/L	99
97) 4-Chlorotoluene	11.440	91	966885	46.62	ug/L	97
98) 1,3,5-Trimethylbenzene	11.434	105	1014957	46.87	ug/L	99
99) tert-Butylbenzene	11.715	119	867408	47.80	ug/L	99
100) 1,2,4-Trimethylbenzene	11.751	105	1004506	46.28	ug/L	93
101) 3,4-Dichlorobenzotrifl...	11.818	214	311368	46.95	ug/L	98
102) sec-Butylbenzene	11.897	105	1223743	47.56	ug/L	99
103) p-Isopropyltoluene	12.019	119	1054832	46.60	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2500.D
 Acq On : 15 Mar 2022 9:19 pm
 Operator : F.NAEGLER
 Sample : R2202100-008DMS|5.0
 Misc : VERINA 6646 T4
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:42:09 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) 1,3-Dclbenz	11.983	146	596518	47.57	ug/L	97
105) 1,4-Dclbenz	12.056	146	603076	45.71	ug/L	99
106) 2,4-Dichlorobenzotrifl...	12.117	214	288184	47.40	ug/L	97
107) 2,5-Dichlorobenzotrifl...	12.153	214	325747	47.23	ug/L	98
108) n-Butylbenzene	12.355	91	902894	44.67	ug/L	99
109) 1,2-Dclbenz	12.367	146	592546	46.91	ug/L	97
110) 1,2-Dibromo-3-chloropr...	13.007	157	110550	46.58	ug/L	90
111) Trielution Dichlorotol...	13.117	125	1558500	137.95	ug/L	98
112) 1,3,5-Trichlorobenzene	13.159	180	445688	46.90	ug/L	96
113) Coelution Dichlorotoluene	13.446	125	1144130	91.48	ug/L	98
114) 1,2,4-Tcbenzene	13.653	180	430100	47.23	ug/L	98
115) Hexachlorobt	13.781	225	191859	46.41	ug/L	98
116) Naphthalen	13.848	128	1332064	42.35	ug/L	100
117) 1,2,3-Tclbenzene	14.037	180	431282	47.08	ug/L	96
118) 2,4,5-Trichlorotoluene	14.616	159	290796	42.95	ug/L	99
119) 2,3,6-Trichlorotoluene	14.702	159	264365	42.87	ug/L	96

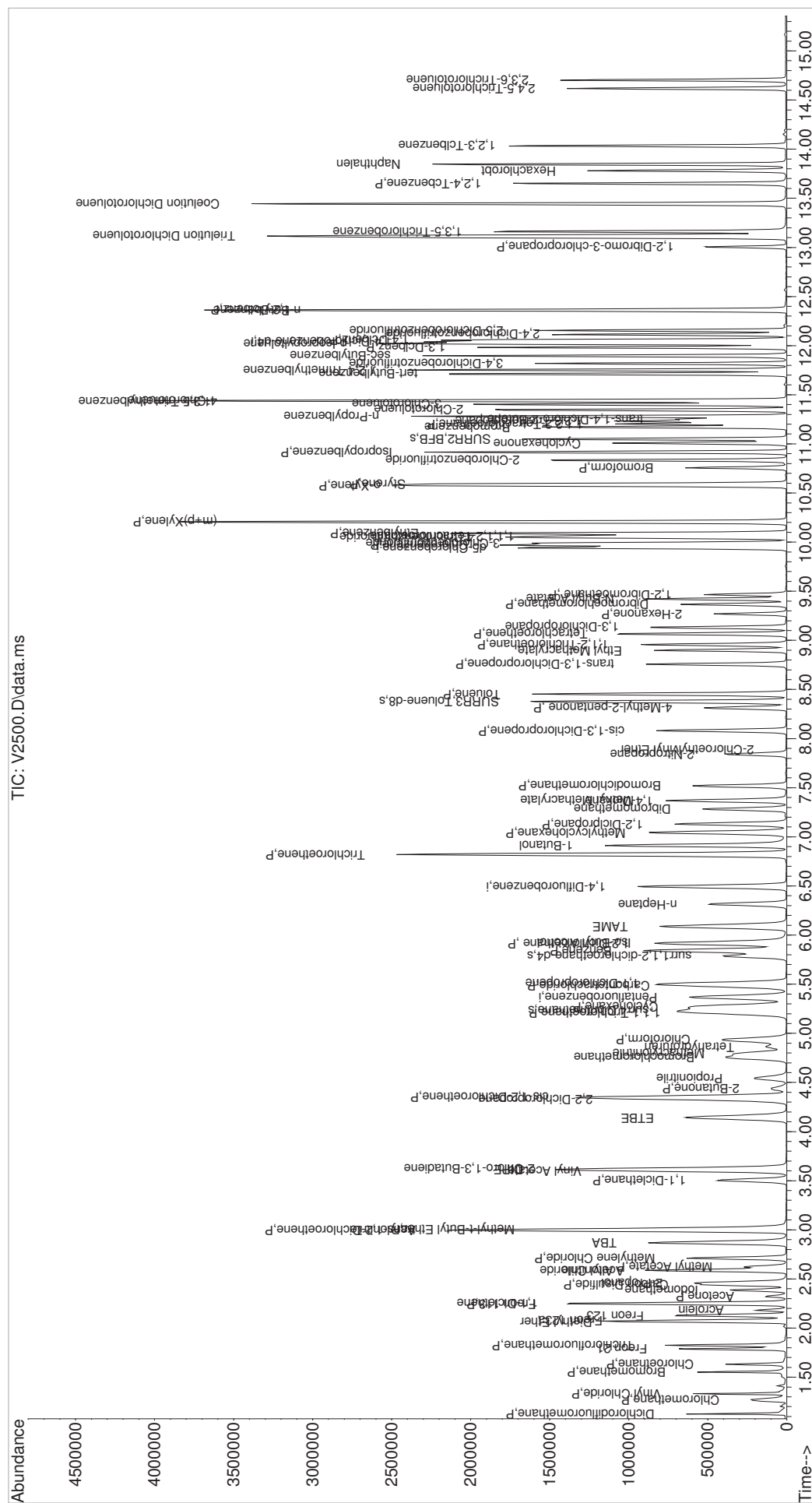
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2500.D
Acq On : 15 Mar 2022 9:19 pm
Operator : F.NAEGLER
Sample : R2202100-008DMS|5.0
Misc : VERINA 6646 T4
ALS Vial : 28 Sample Multiplier: 1
```

Inst : MSVOA14

ALS Vial : 28 Sample Multiplier: 1

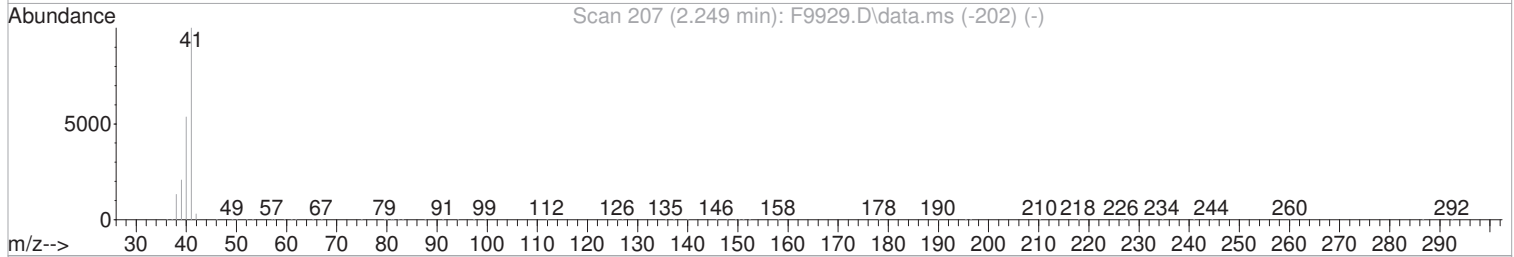
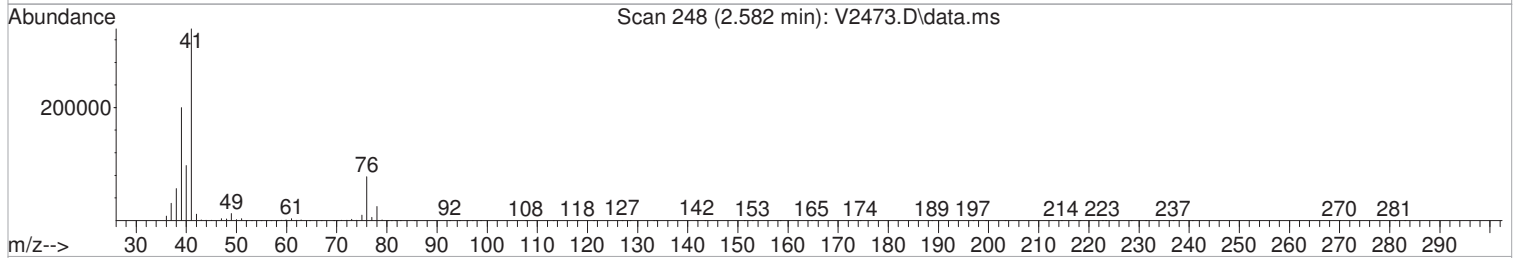
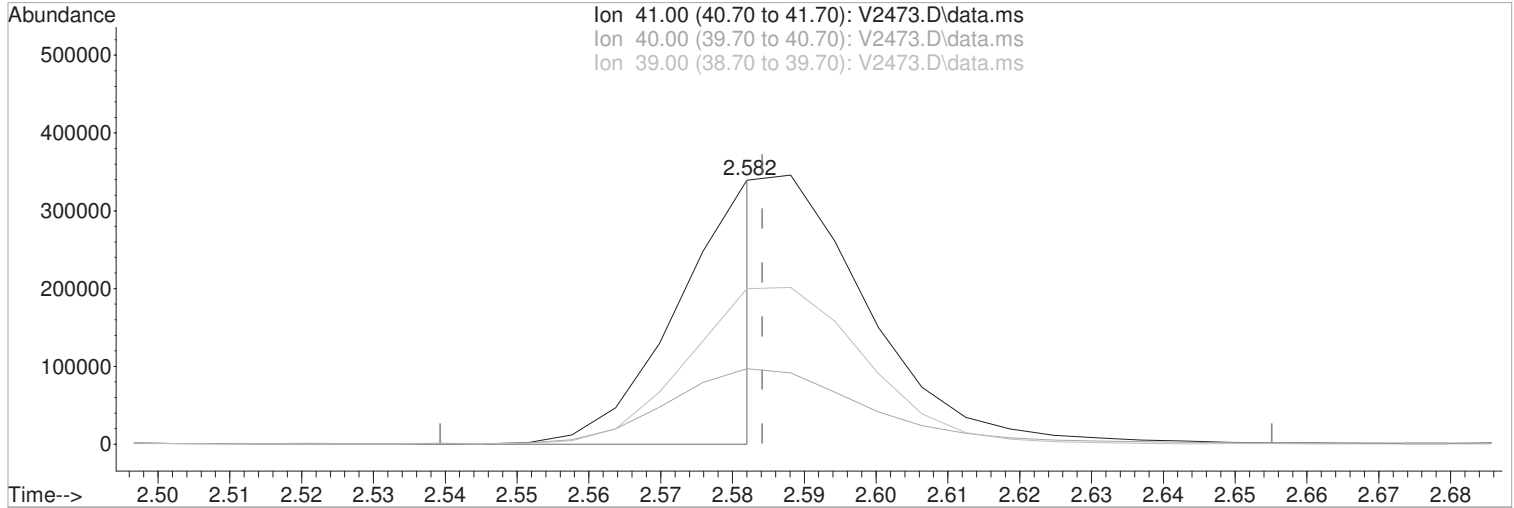
Quant Time: Mar 16 16:42:09 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2473.D
Acq On : 15 Mar 2022 10:35 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 10:52:54 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2473.D\data.ms

(19) Acetonitrile

2.582min (-0.002) 266.63 ug/L m

response 283999

Ion	Exp%	Act%

41.00	100	100

40.00	53.60	28.66#

39.00	20.70	58.89#

0.00	0.00	0.00

Manual Integration:

After

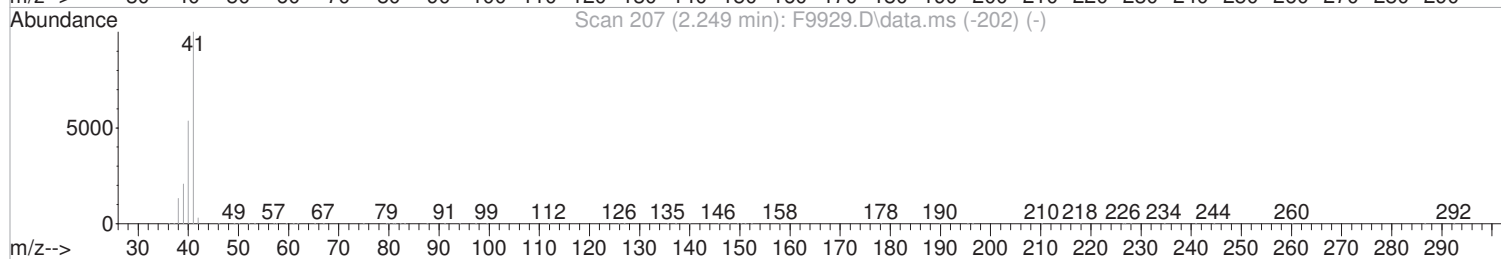
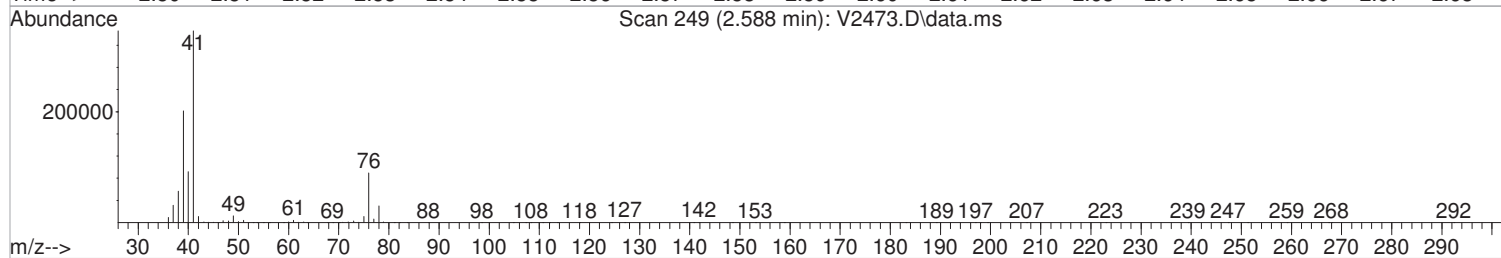
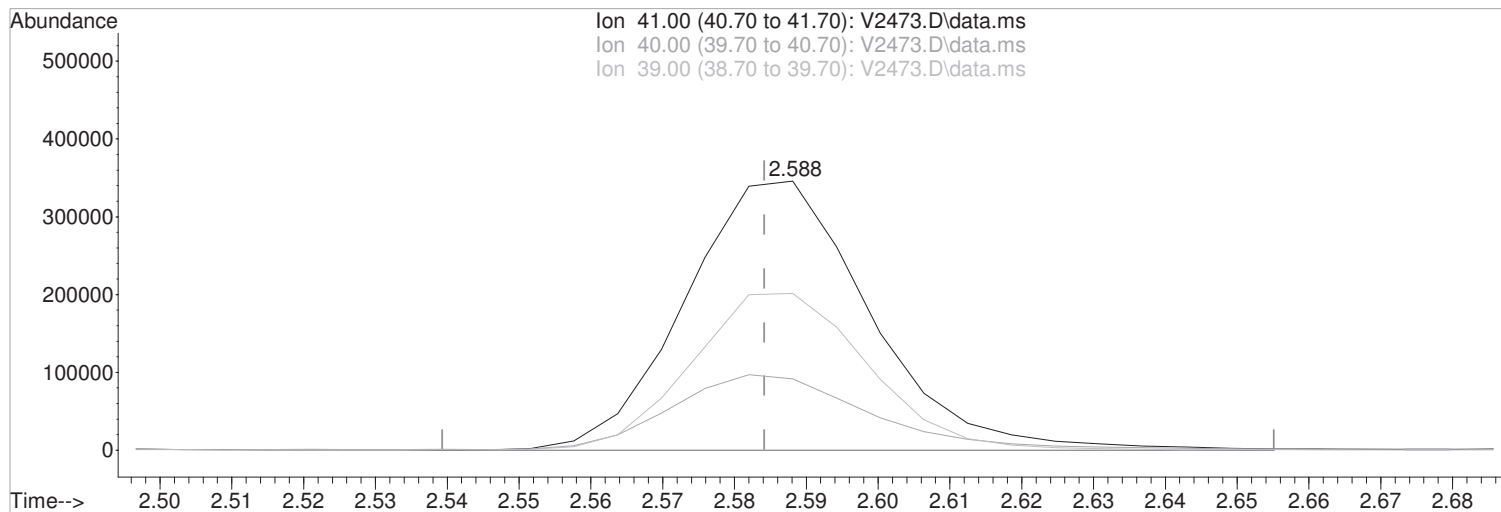
Poor integration.

03/15/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2473.D
Acq On : 15 Mar 2022 10:35 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 10:52:54 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2473.D\data.ms

(19) Acetonitrile

Manual Integration:

2.588min (+0.004) 581.76 ug/L

Before

response 619666

Ion	Exp%	Act%
41.00	100	100
40.00	53.60	26.56#
39.00	20.70	58.26#
0.00	0.00	0.00

03/15/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	106	0.00
2 P	Dichlorodifluoromethane	50.000	45.648	8.7	88	0.00
3 P	Chloromethane	50.000	37.154	25.7#	79	0.02
4 P	Vinyl Chloride	50.000	41.505	17.0	84	0.00
5 P	Bromomethane	50.000	34.766	30.5#	77	0.00
6 P	Chloroethane	50.000	46.883	6.2	94	0.00
7	Freon 21	50.000	34.275	31.4#	68	0.00
8 P	Trichlorofluoromethane	50.000	51.880	-3.8	105	0.00
9	Diethyl Ether	50.000	41.479	17.0	88	0.00
10	Freon 123a	50.000	31.548	36.9#	64	0.00
11	Freon 123	50.000	32.427	35.1#	62	0.00
12	Acrolein	250.000	214.213	14.3	91	0.00
13	1,1-Dicethene	50.000	44.784	10.4	91	0.00
14 P	Freon 113	50.000	46.141	7.7	95	0.00
15 P	Acetone	50.000	43.243	13.5	93	0.00
16	2-Propanol	1000.000	714.096	28.6#	75	0.00
17	Iodomethane	50.000	49.154	1.7	90	0.00
18 P	Carbon Disulfide	50.000	50.252	-0.5	97	0.00
19	Acetonitrile	250.000	266.625	-6.7	109	0.00
20	Allyl Chloride	50.000	44.444	11.1	91	0.00
21 P	Methyl Acetate	50.000	32.053	35.9#	67	0.00
22 P	Methylene Chloride	50.000	41.325	17.3	90	0.00
23	TBA	1000.000	786.590	21.3#	82	0.00
24	Acrylonitrile	250.000	199.579	20.2#	81	0.00
25 P	Methyl-t-Butyl Ether	50.000	42.309	15.4	88	0.00
26 P	trans-1,2-Dichloroethene	50.000	45.320	9.4	93	0.00
27 P	1,1-Dicethane	50.000	42.705	14.6	87	0.00
28	Vinyl Acetate	50.000	72.390	-44.8#	155	0.00
29	DIPE	50.000	39.749	20.5#	81	0.00
30	2-Chloro-1,3-Butadiene	50.000	53.168	-6.3	103	0.00
31	ETBE	50.000	41.037	17.9	84	0.00
32	2,2-Dichloropropane	50.000	45.262	9.5	95	0.00
33 P	cis-1,2-Dichloroethene	50.000	44.632	10.7	92	0.00
34 P	2-Butanone	50.000	37.933	24.1#	81	0.00
35	Propionitrile	250.000	197.365	21.1#	78	0.00
36	Bromochloromethane	50.000	46.829	6.3	99	0.00
37	Methacrylonitrile	50.000	40.675	18.7	83	0.00
38	Tetrahydrofuran	50.000	36.401	27.2#	80	0.00
39 P	Chloroform	50.000	46.164	7.7	95	0.00
40 P	1,1,1-Trichloroethane	50.000	46.755	6.5	98	0.00
41	TAME	50.000	43.221	13.6	89	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
43 P	Cyclohexane	50.000	32.228	35.5#	63	0.00
44 s	surr4,Dibrflmethane	50.000	53.463	-6.9	107	0.00
45 P	Carbontetrachloride	50.000	52.445	-4.9	100	0.00
46	1,1-Dichloropropene	50.000	46.279	7.4	90	0.00
47 s	surr1,1,2-dichloroethane-d4	50.000	53.648	-7.3	108	0.00
48 P	Benzene	50.000	45.097	9.8	89	0.00
49 P	1,2-Dichloroethane	50.000	48.364	3.3	96	0.00
50	Iso-Butyl Alcohol	1000.000	751.812	24.8#	75	0.00
51	n-Heptane	50.000	40.073	19.9	79	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	1-Butanol	2500.000	2257.093	9.7	83	0.00
53 P	Trichloroethene	50.000	48.444	3.1	95	0.00
54 P	Methylcyclohexane	50.000	32.188	35.6#	63	0.00
55 P	1,2-Dichloropropane	50.000	42.611	14.8	86	0.00
56	Dibromomethane	50.000	49.991	0.0	97	0.00
57	1,4-Dioxane	1000.000	865.190	13.5	89	0.00
58	Methyl Methacrylate	50.000	44.190	11.6	84	0.00
59 P	Bromodichloromethane	50.000	49.787	0.4	97	0.00
60	2-Nitropropane	100.000	116.957	-17.0	109	0.00
61	2-Chloroethylvinyl Ether	50.000	37.681	24.6#	75	0.00
62 P	cis-1,3-Dichloropropene	50.000	48.133	3.7	91	0.00
63 P	4-Methyl-2-pentanone	50.000	41.738	16.5	83	0.00
64 s	SURR3,Toluene-d8	50.000	51.355	-2.7	104	0.00
65 P	Toluene	50.000	45.564	8.9	89	0.00
66 P	trans-1,3-Dichloropropene	50.000	50.594	-1.2	95	0.00
67	Ethyl Methacrylate	50.000	45.757	8.5	87	0.00
68 P	1,1,2-Trichloroethane	50.000	45.833	8.3	91	0.00
69 s	SURR2,BFB	50.000	53.496	-7.0	109	0.00
70 i	d5-Chlorobenzene	50.000	50.000	0.0	104	0.00
71 P	Tetrachloroethene	50.000	49.326	1.3	98	0.00
72 P	2-Hexanone	50.000	39.847	20.3#	81	0.00
73	1,3-Dichloropropane	50.000	45.030	9.9	90	0.00
74 P	Dibromochloromethane	50.000	52.436	-4.9	103	0.00
75	N-Butyl Acetate	50.000	37.620	24.8#	74	0.00
76 P	1,2-Dibromoethane	50.000	47.766	4.5	95	0.00
77	3-Chlorobenzotrifluoride	50.000	51.716	-3.4	100	0.00
78 P	Chlorobenzene	50.000	45.500	9.0	93	0.00
79	4-Chlorobenzotrifluoride	50.000	51.953	-3.9	101	0.00
80	1,1,1,2-Tetrachloroethane	50.000	49.302	1.4	99	0.00
81 P	Ethylbenzene	50.000	45.829	8.3	90	0.00
82 P	(m+p)Xylene	100.000	91.874	8.1	92	0.00
83 P	o-Xylene	50.000	45.397	9.2	91	0.00
84 P	Styrene	50.000	46.043	7.9	91	0.00
85 P	Bromoform	50.000	53.635	-7.3	105	0.00
86	2-Chlorobenzotrifluoride	50.000	51.289	-2.6	100	0.00
87 P	Isopropylbenzene	50.000	44.950	10.1	91	0.00
88	Cyclohexanone	1000.000	787.941	21.2#	79	0.00
89	trans-1,4-Dichloro-2-Butene	50.000	52.234	-4.5	100	0.00
90 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
91 P	1,1,2,2-Tetrachloroethane	50.000	42.911	14.2	91	0.00
92	Bromobenzene	50.000	46.440	7.1	99	0.00
93	1,2,3-Trichloropropane	50.000	43.551	12.9	94	0.00
94	n-Propylbenzene	50.000	44.622	10.8	94	0.00
95	2-Chlorotoluene	50.000	43.337	13.3	93	0.00
96	3-Chlorotoluene	50.000	46.740	6.5	99	0.00
97	4-Chlorotoluene	50.000	42.202	15.6	91	0.00
98	1,3,5-Trimethylbenzene	50.000	43.381	13.2	91	0.00
99	tert-Butylbenzene	50.000	42.428	15.1	90	0.00
100	1,2,4-Trimethylbenzene	50.000	43.313	13.4	92	0.00
101	3,4-Dichlorobenzotrifluorid	50.000	50.172	-0.3	103	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	sec-Butylbenzene	50.000	42.186	15.6	88	0.00
103	p-Isopropyltoluene	50.000	43.586	12.8	89	0.00
104 P	1,3-Dclbenz	50.000	45.377	9.2	96	0.00
105 P	1,4-Dclbenz	50.000	45.082	9.8	98	0.00
106	2,4-Dichlorobenzotrifluorid	50.000	49.627	0.7	102	0.00
107	2,5-Dichlorobenzotrifluorid	50.000	49.396	1.2	102	0.00
108	n-Butylbenzene	50.000	42.836	14.3	87	0.00
109 P	1,2-Dclbenz	50.000	44.752	10.5	95	0.00
110 P	1,2-Dibromo-3-chloropropane	50.000	45.805	8.4	95	0.00
111	Trielution Dichlorotoluene	150.000	140.649	6.2	96	0.00
112	1,3,5-Trichlorobenzene	50.000	48.180	3.6	101	0.00
113	Coelution Dichlorotoluene	100.000	93.983	6.0	97	0.00
114 P	1,2,4-Tcbenzene	50.000	45.500	9.0	95	0.00
115	Hexachlorobt	50.000	46.543	6.9	95	0.00
116	Naphthalen	50.000	42.013	16.0	87	0.00
117	1,2,3-Tclbenzene	50.000	44.953	10.1	93	0.00
118	2,4,5-Trichlorotoluene	50.000	45.864	8.3	90	0.00
119	2,3,6-Trichlorotoluene	50.000	46.320	7.4	93	0.00

(#) = Out of Range

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

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.368	168	602534	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.490	114	858468	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	803721	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.037	152	444554	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.228	113	288940	53.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	106.92%
47) surr1,1,2-dichloroetha...	5.783	65	357979	53.65	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	107.30%
64) SURR3,Toluene-d8	8.374	98	1047780	51.36	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.72%
69) SURR2,BFB	11.050	95	423418	53.50	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	107.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	298504	45.65	ug/L	97
3) Chloromethane	1.277	50	221467	37.15	ug/L	97
4) Vinyl Chloride	1.332	62	250995	41.50	ug/L	99
5) Bromomethane	1.552	94	145578	34.77	ug/L	98
6) Chloroethane	1.631	64	169924	46.88	ug/L	98
7) Freon 21	1.789	67	331424	34.27	ug/L	99
8) Trichlorofluoromethane	1.826	101	407803	51.88	ug/L	98
9) Diethyl Ether	2.064	59	218603	41.48	ug/L	95
10) Freon 123a	2.070	67	190256	31.55	ug/L	93
11) Freon 123	2.125	83	229030	32.43	ug/L	90
12) Acrolein	2.180	56	344415	214.21	ug/L	98
13) 1,1-Dicethene	2.253	96	219463	44.78	ug/L	98
14) Freon 113	2.253	101	229606	46.14	ug/L	95
15) Acetone	2.320	43	158904	43.24	ug/L	96
16) 2-Propanol	2.460	45	562326	714.10	ug/L	93
17) Iodomethane	2.387	142	359665	49.15	ug/L	96
18) Carbon Disulfide	2.442	76	658860	50.25	ug/L	99
19) Acetonitrile	2.582	41	283999m	266.63	ug/L	
20) Allyl Chloride	2.588	76	138307	44.44	ug/L	# 1
21) Methyl Acetate	2.619	43	295636	32.05	ug/L	99
22) Methylene Chloride	2.710	84	252328	41.32	ug/L	97
23) TBA	2.869	59	1013580	786.59	ug/L	99
24) Acrylonitrile	2.990	53	689973	199.58	ug/L	99
25) Methyl-t-Butyl Ether	3.009	73	860630	42.31	ug/L	99
26) trans-1,2-Dichloroethene	2.990	96	242990	45.32	ug/L	98
27) 1,1-Dicethane	3.503	63	428384	42.70	ug/L	98
28) Vinyl Acetate	3.600	86	70598	72.39	ug/L	# 46
29) DIPE	3.612	45	731663	39.75	ug/L	# 41
30) 2-Chloro-1,3-Butadiene	3.612	53	420959	53.17	ug/L	96
31) ETBE	4.137	59	766334	41.04	ug/L	98
32) 2,2-Dichloropropane	4.332	77	397585	45.26	ug/L	97
33) cis-1,2-Dichloroethene	4.344	96	277094	44.63	ug/L	97
34) 2-Butanone	4.429	43	200235	37.93	ug/L	99
35) Propionitrile	4.539	54	287957	197.37	ug/L	97
36) Bromochloromethane	4.746	130	195432	46.83	ug/L	91
37) Methacrylonitrile	4.789	67	146689	40.67	ug/L	98
38) Tetrahydrofuran	4.862	42	113383	36.40	ug/L	95
39) Chloroform	4.929	83	471650	46.16	ug/L	99
40) 1,1,1-Trichloroethane	5.203	97	401892	46.76	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	6.087	73	791326	43.22	ug/L	98
43) Cyclohexane	5.264	41	161367	32.23	ug/L	86
45) Carbontetrachloride	5.478	117	358567	52.45	ug/L	99
46) 1,1-Dichloropropene	5.508	75	313570	46.28	ug/L	99
48) Benzene	5.837	78	951472	45.10	ug/L	89
49) 1,2-Dichloroethane	5.905	62	401927	48.36	ug/L	98
50) Iso-Butyl Alcohol	5.917	43	400731	751.81	ug/L	98
51) n-Heptane	6.313	43	266020	40.07	ug/L	97
52) 1-Butanol	6.910	56	718916	2257.09	ug/L	99
53) Trichloroethene	6.819	130	278520	48.44	ug/L	97
54) Methylcyclohexane	7.038	55	217895	32.19	ug/L	98
55) 1,2-Diclpropane	7.130	63	249810	42.61	ug/L	99
56) Dibromomethane	7.282	93	193476	49.99	ug/L	91
57) 1,4-Dioxane	7.355	88	116812	865.19	ug/L	99
58) Methyl Methacrylate	7.368	69	240647	44.19	ug/L	98
59) Bromodichloromethane	7.520	83	372421	49.79	ug/L	100
60) 2-Nitropropane	7.837	41	244794	116.96	ug/L	97
61) 2-Chloroethylvinyl Ether	7.947	63	174273	37.68	ug/L	93
62) cis-1,3-Dichloropropene	8.081	75	420892	48.13	ug/L	99
63) 4-Methyl-2-pentanone	8.313	43	372855	41.74	ug/L	98
65) Toluene	8.453	91	1024052	45.56	ug/L	97
66) trans-1,3-Dichloropropene	8.752	75	419364	50.59	ug/L	99
67) Ethyl Methacrylate	8.898	69	425417	45.76	ug/L	99
68) 1,1,2-Trichloroethane	8.959	97	256961	45.83	ug/L	97
71) Tetrachloroethene	9.062	164	215364	49.33	ug/L	98
72) 2-Hexanone	9.270	43	281470	39.85	ug/L	98
73) 1,3-Dichloropropane	9.130	76	451358	45.03	ug/L	95
74) Dibromochloromethane	9.367	129	308653	52.44	ug/L	99
75) N-Butyl Acetate	9.422	43	505624	37.62	ug/L	99
76) 1,2-Dibromoethane	9.465	107	294660	47.77	ug/L	99
77) 3-Chlorobenzotrifluoride	9.989	180	429134	51.72	ug/L	99
78) Chlorobenzene	9.971	112	712567	45.50	ug/L	99
79) 4-Chlorobenzotrifluoride	10.050	180	388940	51.95	ug/L	97
80) 1,1,1,2-Tetrachloroethane	10.062	131	278545	49.30	ug/L	99
81) Ethylbenzene	10.093	106	361810	45.83	ug/L	95
82) (m+p)Xylene	10.202	106	908159	91.87	ug/L	98
83) o-Xylene	10.574	106	441501	45.40	ug/L	99
84) Styrene	10.593	104	766746	46.04	ug/L	98
85) Bromoform	10.757	173	241692	53.63	ug/L	99
86) 2-Chlorobenzotrifluoride	10.836	180	418991	51.29	ug/L	99
87) Isopropylbenzene	10.916	105	1075383	44.95	ug/L	99
88) Cyclohexanone	11.007	55	1165648	787.94	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.251	53	125073	52.23	ug/L	95
91) 1,1,2,2-Tetrachloroethane	11.202	83	398136	42.91	ug/L	97
92) Bromobenzene	11.172	156	325722	46.44	ug/L	95
93) 1,2,3-Trichloropropane	11.233	110	140433	43.55	ug/L	94
94) n-Propylbenzene	11.282	91	1318659	44.62	ug/L	98
95) 2-Chlorotoluene	11.342	91	815302	43.34	ug/L	99
96) 3-Chlorotoluene	11.403	91	904967	46.74	ug/L	100
97) 4-Chlorotoluene	11.440	91	922456	42.20	ug/L	99
98) 1,3,5-Trimethylbenzene	11.434	105	990045	43.38	ug/L	99
99) tert-Butylbenzene	11.714	119	811398	42.43	ug/L	99
100) 1,2,4-Trimethylbenzene	11.751	105	990854	43.31	ug/L	94
101) 3,4-Dichlorobenzotrifl...	11.818	214	350709	50.17	ug/L	98
102) sec-Butylbenzene	11.897	105	1143951	42.19	ug/L	99
103) p-Isopropyltoluene	12.019	119	1039813	43.59	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.983	146	599697	45.38	ug/L	98
105)	1,4-Dclbenz	12.056	146	626913	45.08	ug/L	100
106)	2,4-Dichlorobenzotrifl...	12.117	214	318007	49.63	ug/L	96
107)	2,5-Dichlorobenzotrifl...	12.153	214	359017	49.40	ug/L	97
108)	n-Butylbenzene	12.354	91	912547	42.84	ug/L	99
109)	1,2-Dclbenz	12.367	146	595788	44.75	ug/L	97
110)	1,2-Dibromo-3-chloropr...	13.007	157	114566	45.81	ug/L	88
111)	Trielution Dichlorotol...	13.117	125	1674617	140.65	ug/L	99
112)	1,3,5-Trichlorobenzene	13.159	180	482519	48.18	ug/L	97
113)	Coelution Dichlorotoluene	13.446	125	1238790	93.98	ug/L	98
114)	1,2,4-Tcbenzene	13.653	180	436682	45.50	ug/L	97
115)	Hexachlorobt	13.781	225	202779	46.54	ug/L	99
116)	Naphthalen	13.848	128	1392749	42.01	ug/L	100
117)	1,2,3-Tclbenzene	14.037	180	434009	44.95	ug/L	99
118)	2,4,5-Trichlorotoluene	14.616	159	327262	45.86	ug/L	98
119)	2,3,6-Trichlorotoluene	14.702	159	301068	46.32	ug/L	97

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

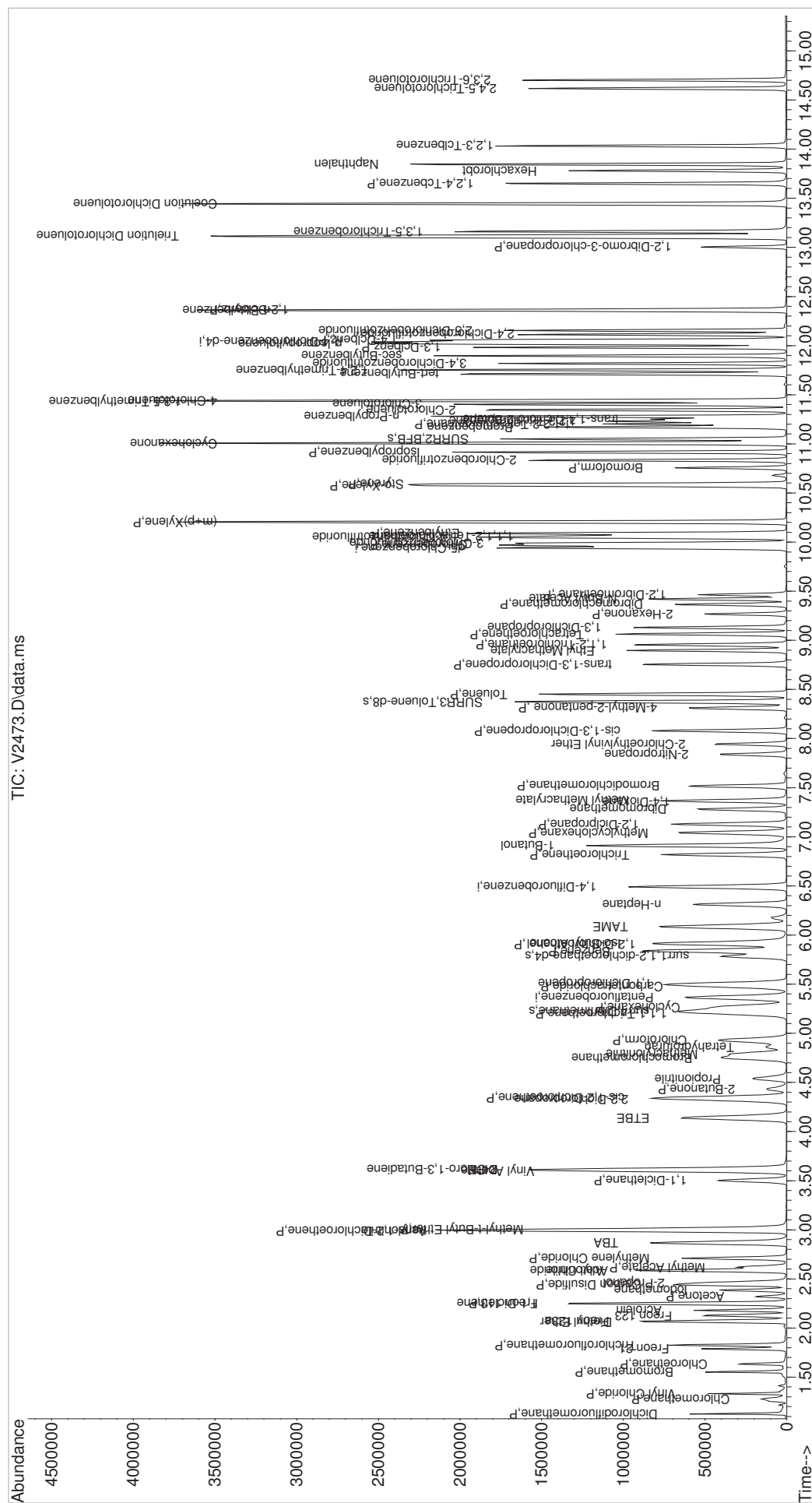
Quantitation Report (QT Reviewed)

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Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2473.D
Acq On : 15 Mar 2022 10:35 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1
```

Inst : MSVOA14

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 11:26:10 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration

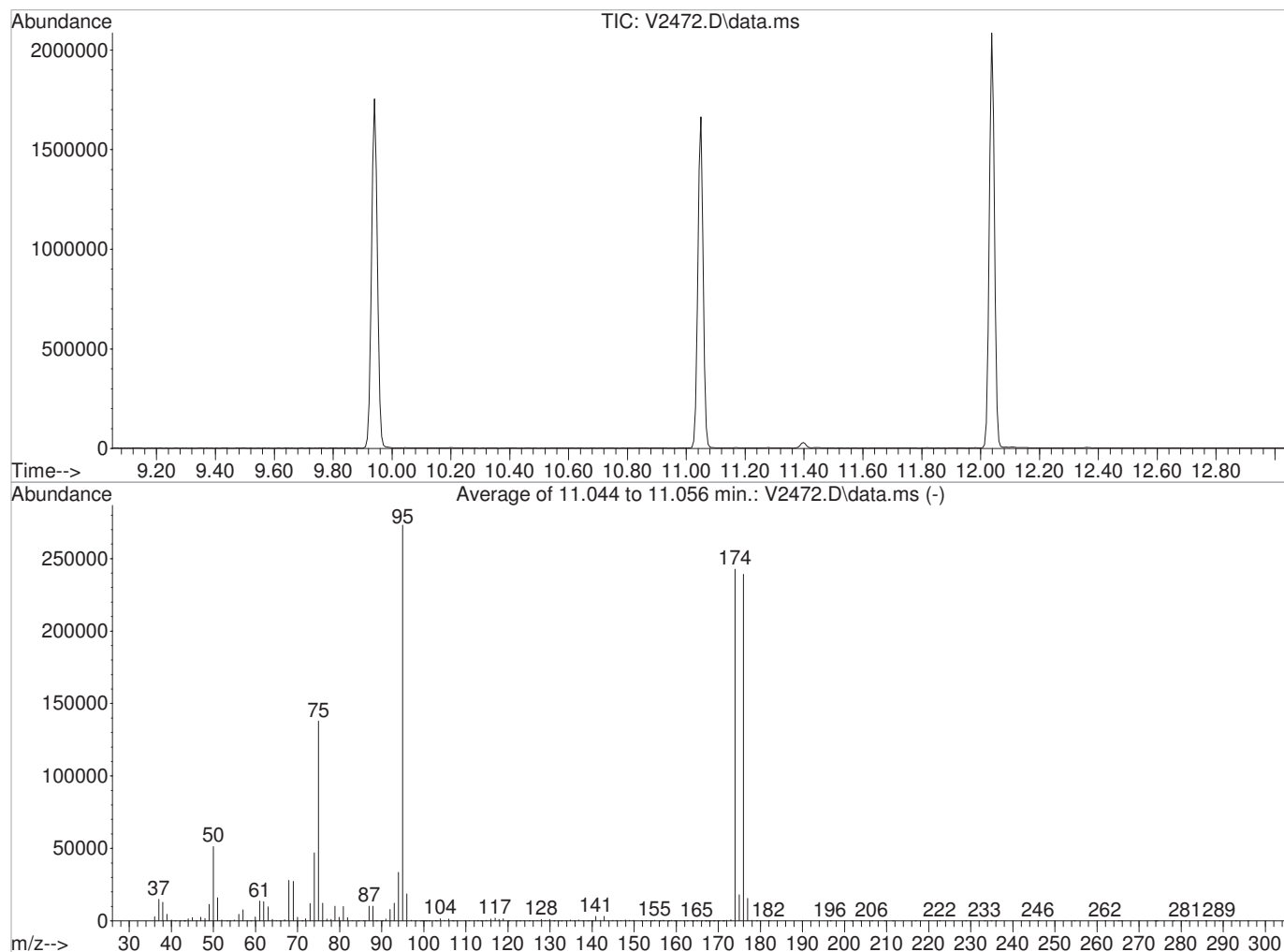


Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2472.D
 Acq On : 15 Mar 2022 10:01 am
 Operator : F.NAEGLER
 Sample : TUNE
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Title : MS#14 - 8260 WATERS 5mL Purge
 Last Update : Mon Nov 15 14:52:28 2021



AutoFind: Scans 1636, 1637, 1638; Background Corrected with Scan 1630

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	51384	PASS
75	95	30	60	50.5	137805	PASS
95	95	100	100	100.0	273067	PASS
96	95	5	9	6.8	18546	PASS
173	174	0.00	2	0.3	845	PASS
174	95	50	120	88.9	242795	PASS
175	174	5	9	7.4	17934	PASS
176	174	95	101	98.5	239232	PASS
177	176	5	9	6.5	15455	PASS

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9936.D
 Acq On : 12 Nov 2021 7:09 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 15:26:08 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.681	168	569324	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	844020	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.571	117	760534	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	396694	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	270284	50.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	101.74%
47) surr1,1,2-dichloroetha...	5.108	65	333516	50.84	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	101.68%
64) SURR3,Toluene-d8	7.943	98	1027252	51.21	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.42%
69) SURR2,BFB	10.723	95	392502	50.44	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	100.88%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	344742	55.79	ug/L	100
3) Chloromethane	1.151	50	339175	60.22	ug/L	100
4) Vinyl Chloride	1.219	62	325129	56.90	ug/L	98
5) Bromomethane	1.401	94	148851	38.32	ug/L	99
6) Chloroethane	1.475	64	199421	58.23	ug/L	100
7) Freon 21	1.603	67	430342	47.10	ug/L	100
8) Trichlorofluoromethane	1.645	101	376594	50.70	ug/L	98
9) Diethyl Ether	1.846	59	237604	47.71	ug/L	98
10) Freon 123a	1.846	67	293797	51.56	ug/L	94
11) Freon 123	1.889	83	336814	50.47	ug/L	99
12) Acrolein	1.926	56	118253	77.84	ug/L	98
13) 1,1-Dicethene	2.005	96	229967	49.67	ug/L	99
14) Freon 113	2.011	101	228456	48.59	ug/L	98
15) Acetone	2.042	43	156743	45.14	ug/L	99
16) 2-Propanol	2.157	45	713123	958.42	ug/L	99
17) Iodomethane	2.115	142	345956	50.04	ug/L	100
18) Carbon Disulfide	2.170	76	712294	57.50	ug/L	100
19) Acetonitrile	2.249	41	280495	278.70	ug/L	99
20) Allyl Chloride	2.285	76	134912	45.88	ug/L	97
21) Methyl Acetate	2.310	43	407861	46.80	ug/L	99
22) Methylene Chloride	2.383	84	261477	45.32	ug/L	98
23) TBA	2.505	59	1155807	949.29	ug/L	99
24) Acrylonitrile	2.596	53	810642	248.16	ug/L	99
25) Methyl-t-Butyl Ether	2.651	73	884713	46.03	ug/L	98
26) trans-1,2-Dichloroethene	2.639	96	249149	49.18	ug/L	98
27) 1,1-Dicethane	3.060	63	465698	49.13	ug/L	99
28) Vinyl Acetate	3.139	86	37430	42.23	ug/L	99
29) DIPE	3.175	45	908561	52.24	ug/L	100
30) 2-Chloro-1,3-Butadiene	3.169	53	419706	56.10	ug/L	98
31) ETBE	3.627	59	843239	47.79	ug/L	98
32) 2,2-Dichloropropane	3.773	77	380380	45.83	ug/L	98
33) cis-1,2-Dichloroethene	3.779	96	288373	49.16	ug/L	98
34) 2-Butanone	3.816	43	239018	47.92	ug/L	97
35) Propionitrile	3.883	54	340831	247.23	ug/L	100
36) Bromochloromethane	4.114	130	186767	47.36	ug/L	98
37) Methacrylonitrile	4.114	67	168101	49.33	ug/L	97
38) Tetrahydrofuran	4.200	42	137268	46.64	ug/L	99
39) Chloroform	4.267	83	454167	47.05	ug/L	100
40) 1,1,1-Trichloroethane	4.541	97	401087	49.38	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9936.D
 Acq On : 12 Nov 2021 7:09 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 15:26:08 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.498	73	887045	51.27	ug/L	98
43) Cyclohexane	4.633	41	249273	50.64	ug/L	97
45) Carbontetrachloride	4.834	117	342853	51.01	ug/L	99
46) 1,1-Dichloropropene	4.846	75	348271	52.28	ug/L	98
48) Benzene	5.212	78	1008755	48.63	ug/L	99
49) 1,2-Dichloroethane	5.248	62	388034	47.49	ug/L	99
50) Iso-Butyl Alcohol	5.248	43	496568	947.56	ug/L	97
51) n-Heptane	5.791	43	303905	46.56	ug/L	96
52) 1-Butanol	6.364	56	818518	2613.79	ug/L	99
53) Trichloroethene	6.291	130	282133	49.91	ug/L	98
54) Methylcyclohexane	6.559	55	336634	50.58	ug/L	99
55) 1,2-Diclpropane	6.602	63	278675	48.35	ug/L	99
56) Dibromomethane	6.754	93	186573	49.03	ug/L	98
57) 1,4-Dioxane	6.833	88	125923	948.64	ug/L	99
58) Methyl Methacrylate	6.882	69	270237	50.47	ug/L	100
59) Bromodichloromethane	7.016	83	358184	48.70	ug/L	99
60) 2-Nitropropane	7.327	41	210481	102.28	ug/L	95
61) 2-Chloroethylvinyl Ether	7.480	63	230017	50.46	ug/L	99
62) cis-1,3-Dichloropropene	7.620	75	448776	52.20	ug/L	99
63) 4-Methyl-2-pentanone	7.857	43	439609	50.05	ug/L	97
65) Toluene	8.022	91	1086007	49.15	ug/L	96
66) trans-1,3-Dichloropropene	8.321	75	424813	52.13	ug/L	98
67) Ethyl Methacrylate	8.498	69	411661	45.04	ug/L	98
68) 1,1,2-Trichloroethane	8.522	97	267887	48.60	ug/L	99
71) Tetrachloroethene	8.668	164	210407	50.93	ug/L	98
72) 2-Hexanone	8.857	43	338225	50.60	ug/L	100
73) 1,3-Dichloropropane	8.705	76	466316	49.16	ug/L	98
74) Dibromochloromethane	8.955	129	278063	49.92	ug/L	99
75) N-Butyl Acetate	9.046	43	619348	48.70	ug/L	100
76) 1,2-Dibromoethane	9.052	107	289183	49.54	ug/L	99
77) 3-Chlorobenzotrifluoride	9.644	180	389669	49.63	ug/L	99
78) Chlorobenzene	9.601	112	712513	48.08	ug/L	98
79) 4-Chlorobenzotrifluoride	9.705	180	351085	49.56	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.699	131	273393	51.14	ug/L	98
81) Ethylbenzene	9.741	106	378443	50.66	ug/L	99
82) (m+p)Xylene	9.863	106	930026	99.43	ug/L	100
83) o-Xylene	10.241	106	458368	49.81	ug/L	98
84) Styrene	10.259	104	794437	50.42	ug/L	99
85) Bromoform	10.406	173	214064	50.20	ug/L	96
86) 2-Chlorobenzotrifluoride	10.509	180	384985	49.80	ug/L	99
87) Isopropylbenzene	10.601	105	1154488	51.00	ug/L	99
88) Cyclohexanone	10.650	55	1398988	999.37	ug/L	98
89) trans-1,4-Dichloro-2-B...	10.930	53	109919	48.51	ug/L	93
91) 1,1,2,2-Tetrachloroethane	10.875	83	395602	47.78	ug/L	99
92) Bromobenzene	10.845	156	311753	49.81	ug/L	98
93) 1,2,3-Trichloropropane	10.900	110	135796	47.19	ug/L	97
94) n-Propylbenzene	10.973	91	1352562	51.29	ug/L	100
95) 2-Chlorotoluene	11.028	91	801801	47.76	ug/L	99
96) 3-Chlorotoluene	11.089	91	858750	49.70	ug/L	100
97) 4-Chlorotoluene	11.131	91	956000	49.01	ug/L	99
98) 1,3,5-Trimethylbenzene	11.137	105	999061	49.06	ug/L	100
99) tert-Butylbenzene	11.418	119	868335	50.88	ug/L	100
100) 1,2,4-Trimethylbenzene	11.454	105	1008210	49.39	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.528	214	305654	49.00	ug/L	99
102) sec-Butylbenzene	11.601	105	1232716	50.94	ug/L	98
103) p-Isopropyltoluene	11.735	119	1059355	49.76	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9936.D
 Acq On : 12 Nov 2021 7:09 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 15:26:08 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.674	146	572640	48.56	ug/L	99
105)	1,4-Dclbenz	11.753	146	578859	46.65	ug/L	100
106)	2,4-Dichlorobenzotrifl...	11.820	214	283148	49.52	ug/L	100
107)	2,5-Dichlorobenzotrifl...	11.863	214	322062	49.66	ug/L	98
108)	n-Butylbenzene	12.070	91	946352	49.78	ug/L	97
109)	1,2-Dclbenz	12.058	146	575253	48.42	ug/L	98
110)	1,2-Dibromo-3-chloropr...	12.692	157	111853	50.12	ug/L	97
111)	Trielution Dichlorotol...	12.826	125	1625574	153.00	ug/L	99
112)	1,3,5-Trichlorobenzene	12.875	180	445377	49.84	ug/L	99
113)	Coelution Dichlorotoluene	13.149	125	1206470	102.57	ug/L	99
114)	1,2,4-Tcbenzene	13.356	180	432237	50.47	ug/L	99
115)	Hexachlorobt	13.509	225	200398	51.55	ug/L	99
116)	Naphthalen	13.545	128	1442875	48.78	ug/L	99
117)	1,2,3-Tclbenzene	13.741	180	429630	49.87	ug/L	96
118)	2,4,5-Trichlorotoluene	14.332	159	335912	52.76	ug/L	97
119)	2,3,6-Trichlorotoluene	14.411	159	307390	53.00	ug/L	96

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

(QT Reviewed)

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Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9936.D
Acq On : 12 Nov 2021 7:09 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

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Inst : MSVOA14

ALS Vial : 14 Sample Multiplier: 1

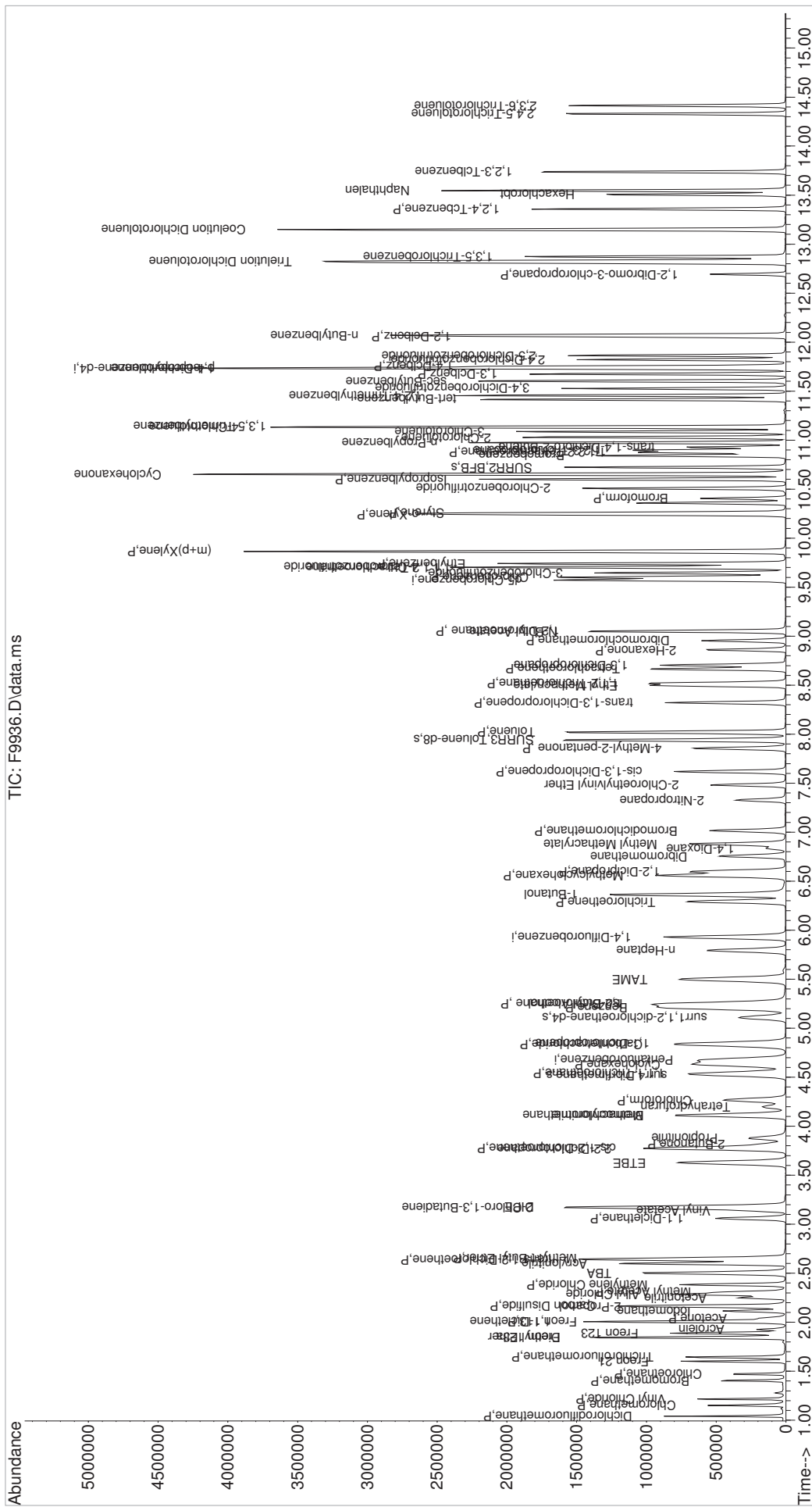
Quant Time: Nov 15 15:26:08 2021

Quant Method : I:\ACQDATA\MSVOA14\Methods\W111221.m

Quant Title : MS#14 - 8260 WATERS 5mL Purge

QLast Update : Mon Nov 15 14:52:28 2021

Response via : Initial Calibration

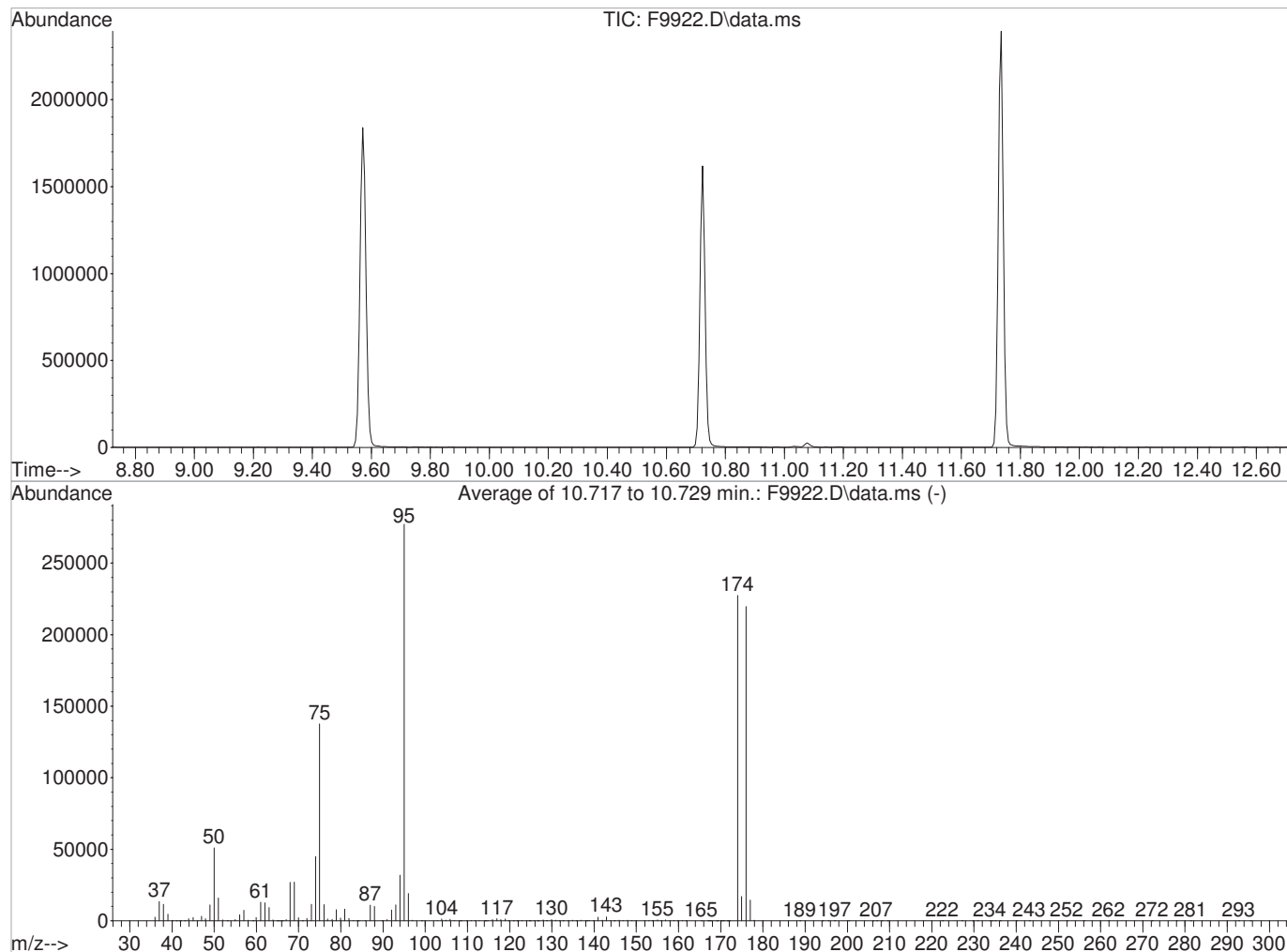


Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9922.D
Acq On : 12 Nov 2021 1:40 pm
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Title : MS#14 - 8260 WATERS 5mL Purge
Last Update : Thu Aug 12 17:36:14 2021



AutoFind: Scans 1596, 1597, 1598; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	51028	PASS
75	95	30	60	49.7	137603	PASS
95	95	100	100	100.0	277088	PASS
96	95	5	9	6.9	19069	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	82.1	227456	PASS
175	174	5	9	7.5	17094	PASS
176	174	95	101	96.6	219669	PASS
177	176	5	9	6.6	14401	PASS

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9923.D
 Acq On : 12 Nov 2021 2:18 pm
 Operator : F.NAEGLER
 Sample : ICALBLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 15:51:56 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

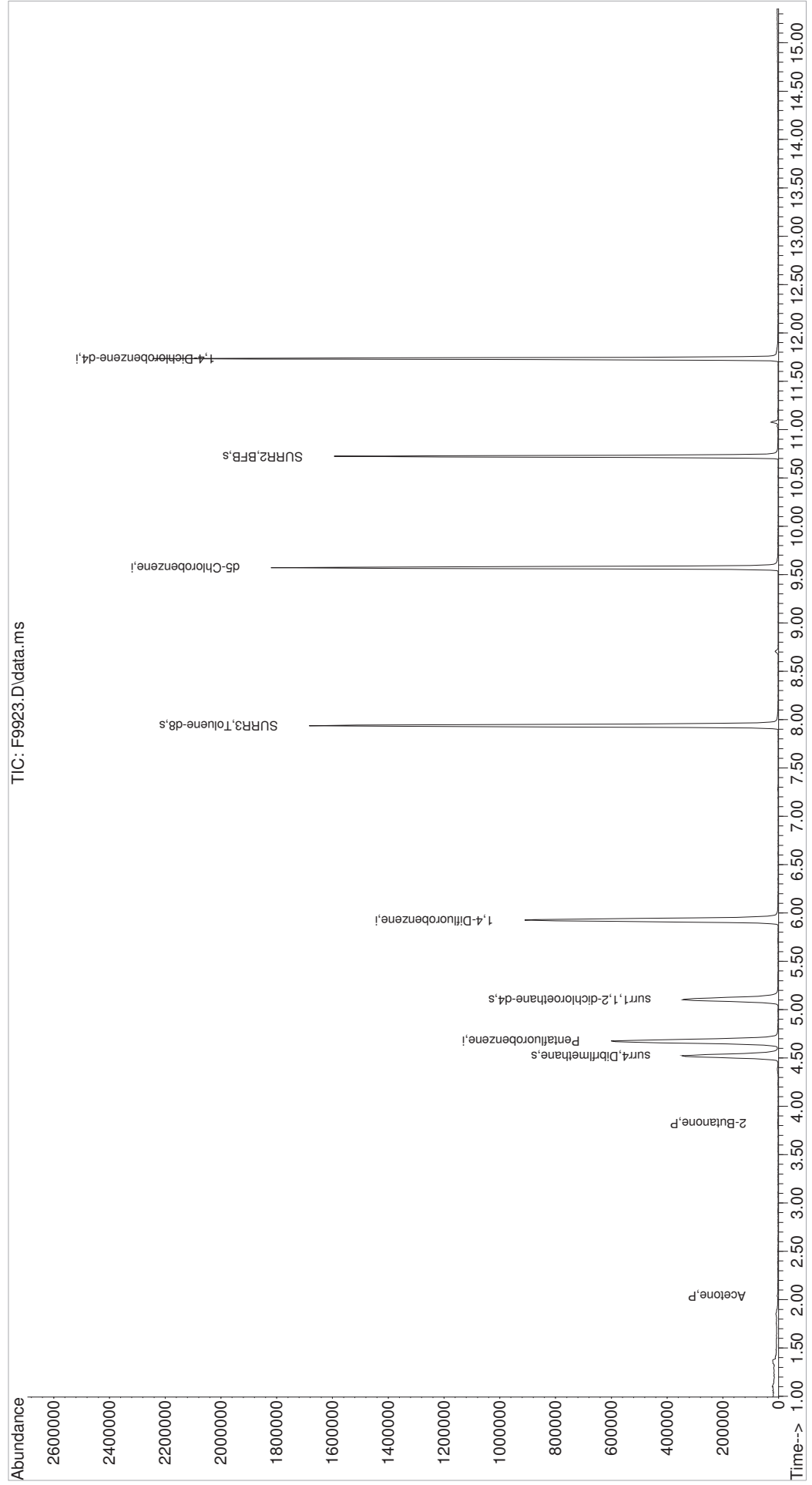
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

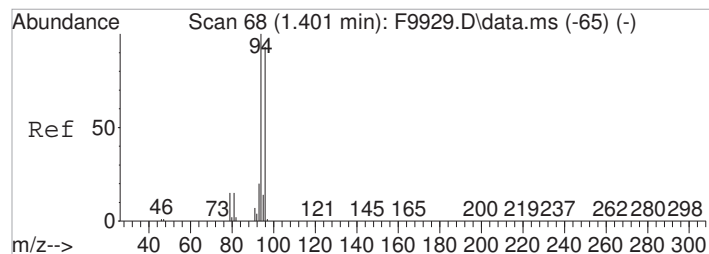
Internal Standards						
1) Pentafluorobenzene	4.675	168	592892	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.925	114	895201	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.571	117	818441	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	436442	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	277145	49.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	98.36%
47) surr1,1,2-dichloroetha...	5.102	65	346757	49.83	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	99.66%
64) SURR3,Toluene-d8	7.937	98	1058935	49.77	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	99.54%
69) SURR2,BFB	10.723	95	411165	49.82	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	99.64%
Target Compounds						
5) Bromomethane	1.408	94	747	Below Cal	#	69
15) Acetone	2.042	43	2597	0.72	ug/L	88
34) 2-Butanone	3.828	43	2262	0.44	ug/L	91

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

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9923.D
 Acq On : 12 Nov 2021 2:18 pm
 Operator : F.NAEGLER
 Sample : ICALBLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 Inst : MSVOA14

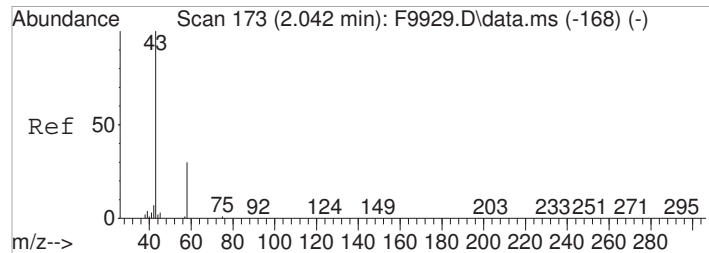
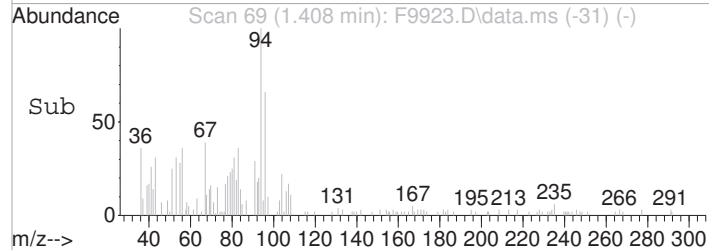
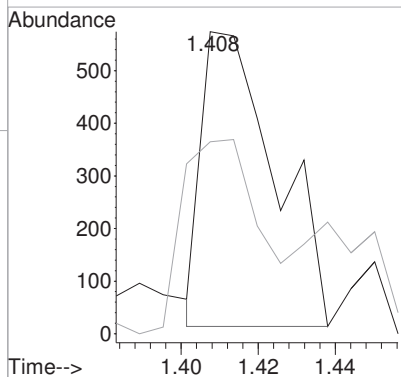
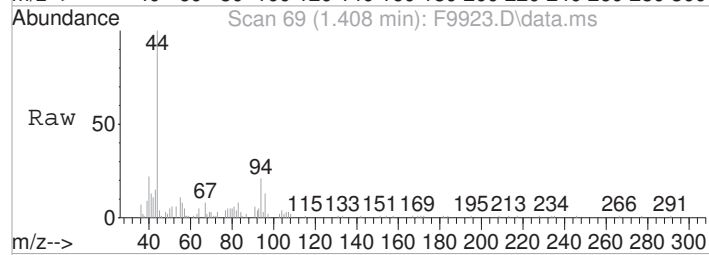
Quant Time: Nov 15 15:51:56 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration





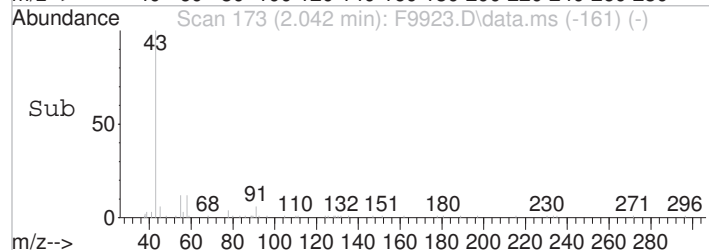
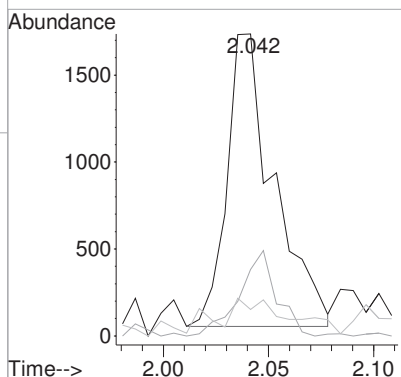
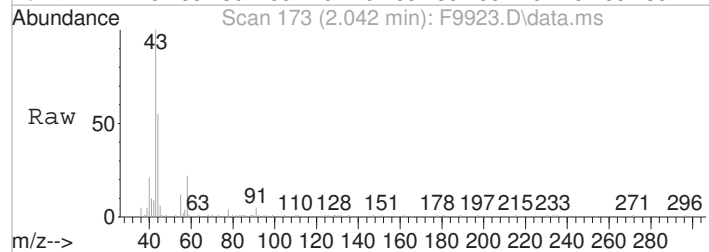
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.408 min Scan# 69
 Delta R.T. 0.006 min
 Lab File: F9923.D
 Acq: 12 Nov 2021 2:18 pm

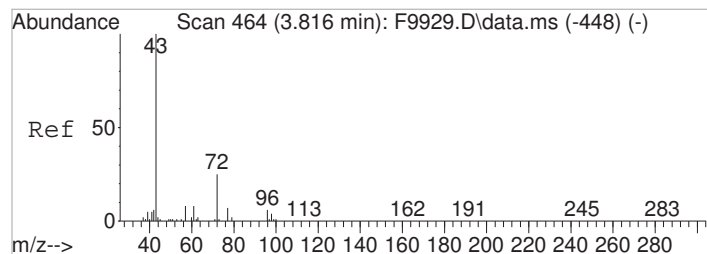
Tgt Ion: 94 Resp: 747
 Ion Ratio Lower Upper
 94 100
 96 63.6 73.4 113.4#



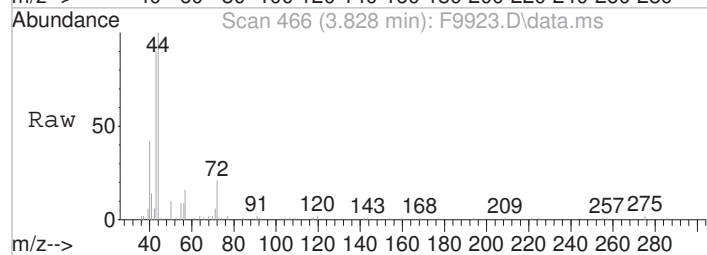
#15
 Acetone
 Concen: 0.72 ug/L
 RT: 2.042 min Scan# 173
 Delta R.T. -0.000 min
 Lab File: F9923.D
 Acq: 12 Nov 2021 2:18 pm

Tgt Ion: 43 Resp: 2597
 Ion Ratio Lower Upper
 43 100
 58 22.0 9.6 49.6
 42 8.8 0.0 27.3

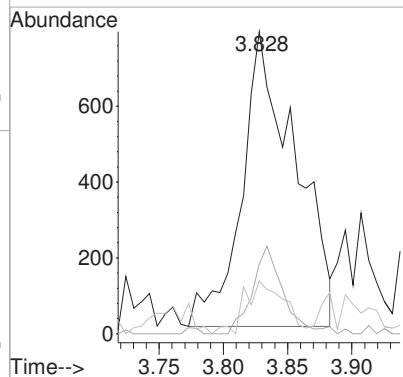
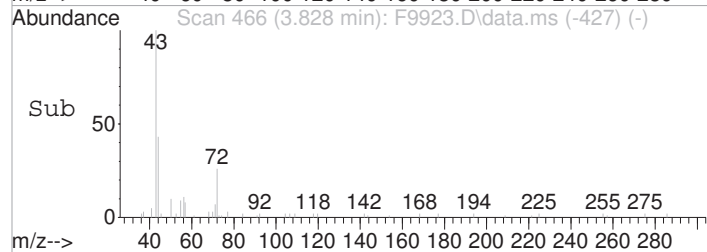




#34
 2-Butanone
 Concen: 0.44 ug/L
 RT: 3.828 min Scan# 466
 Delta R.T. 0.012 min
 Lab File: F9923.D
 Acq: 12 Nov 2021 2:18 pm



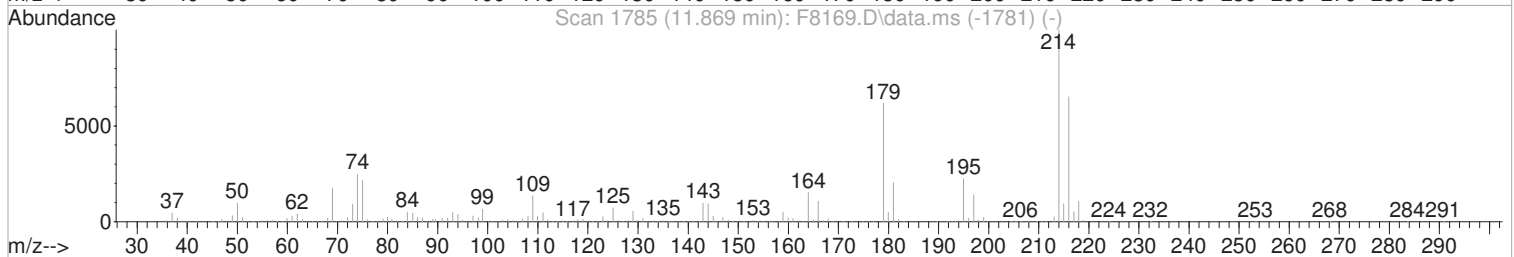
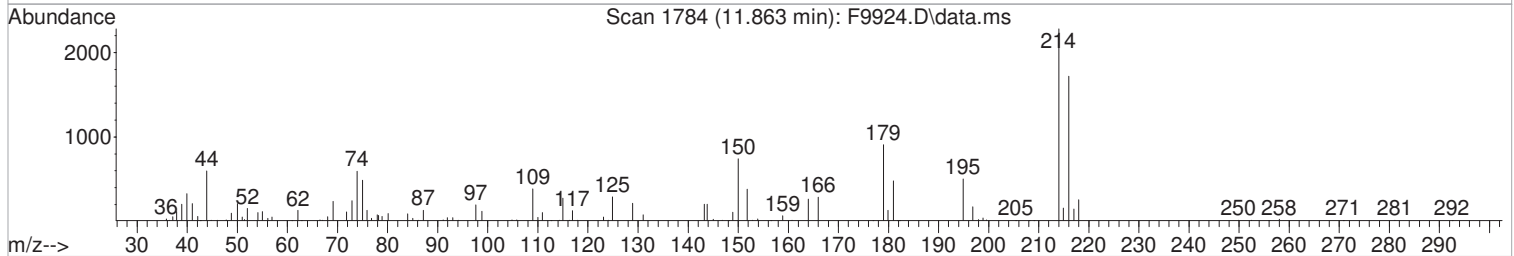
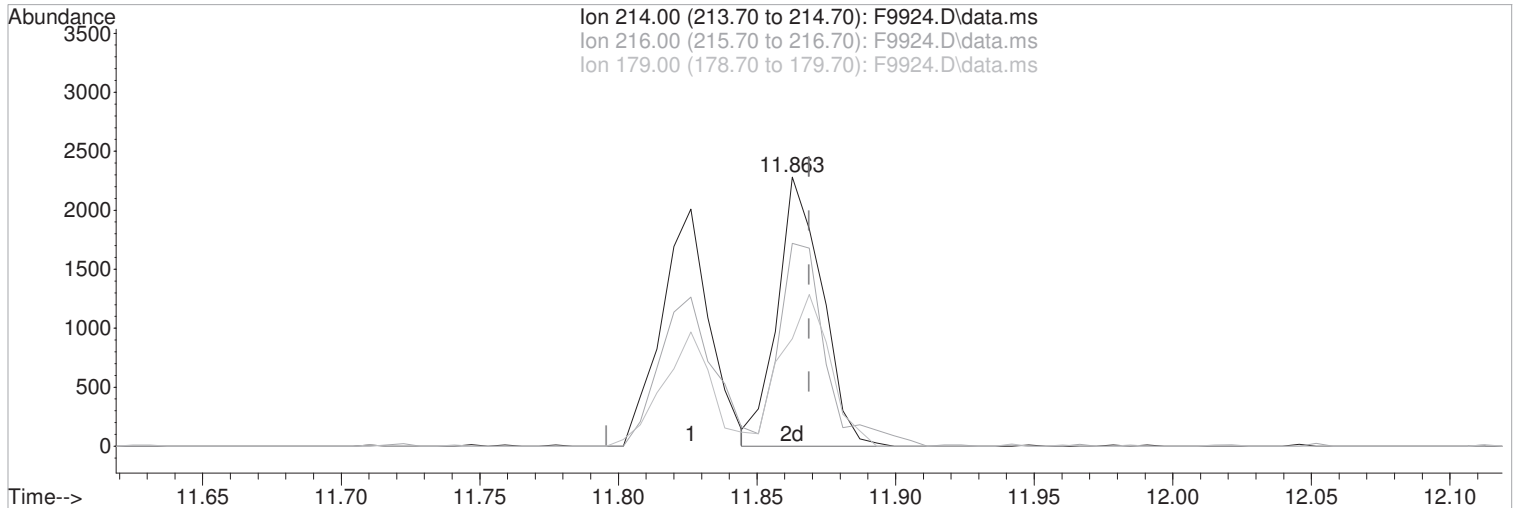
Tgt Ion: 43 Resp: 2262
 Ion Ratio Lower Upper
 43 100
 72 23.1 4.7 44.7
 57 17.4 0.0 27.7



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(107) 2,5-Dichlorobenzotrifluoride

11.863min (-0.006) 0.45 ug/L m

response 2560

Ion	Exp%	Act%
214.00	100	100
216.00	65.00	75.39
179.00	61.30	39.91#
0.00	0.00	0.00

Manual Integration:

After

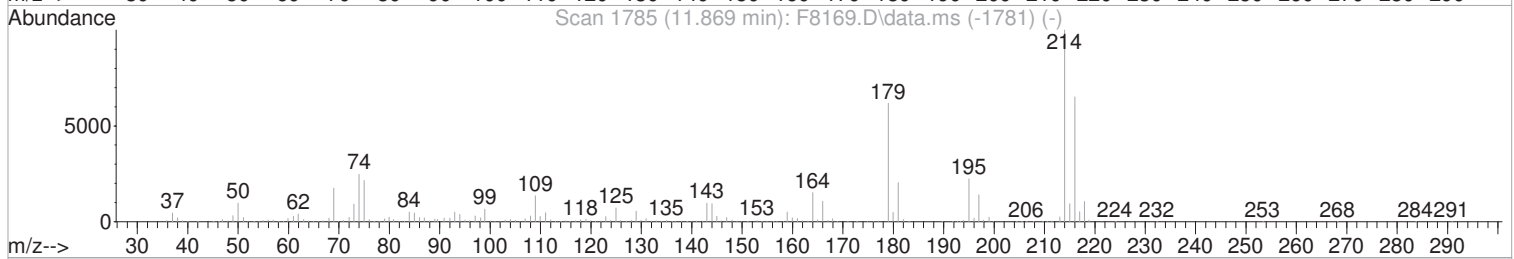
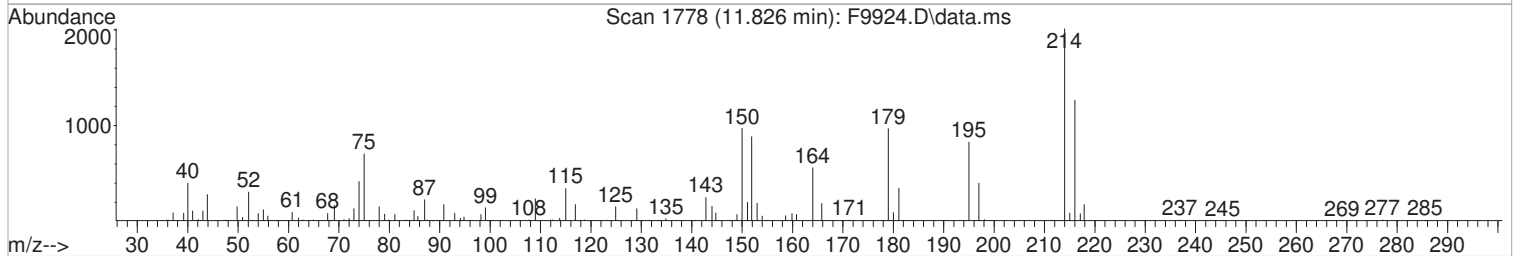
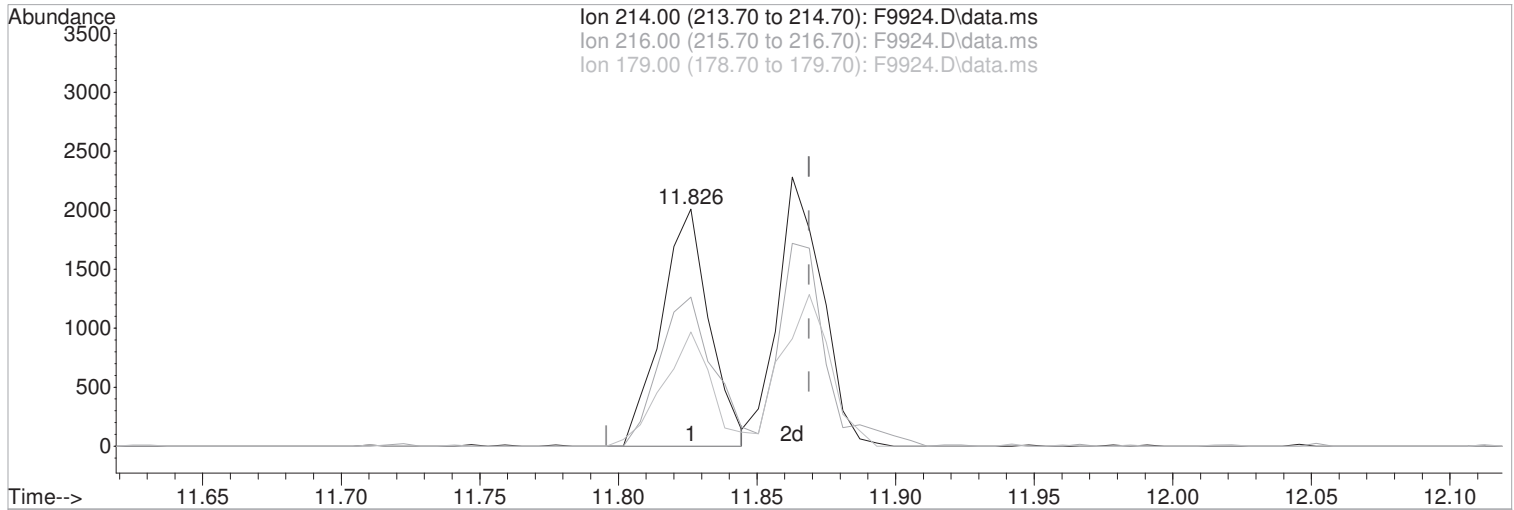
Wrong peak selected.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(107) 2,5-Dichlorobenzotrifluoride

Manual Integration:

11.826min (-0.043) 0.43 ug/L

Before

response 2434

Ion	Exp%	Act%

11/12/21

214.00	100	100

216.00	65.00	62.97

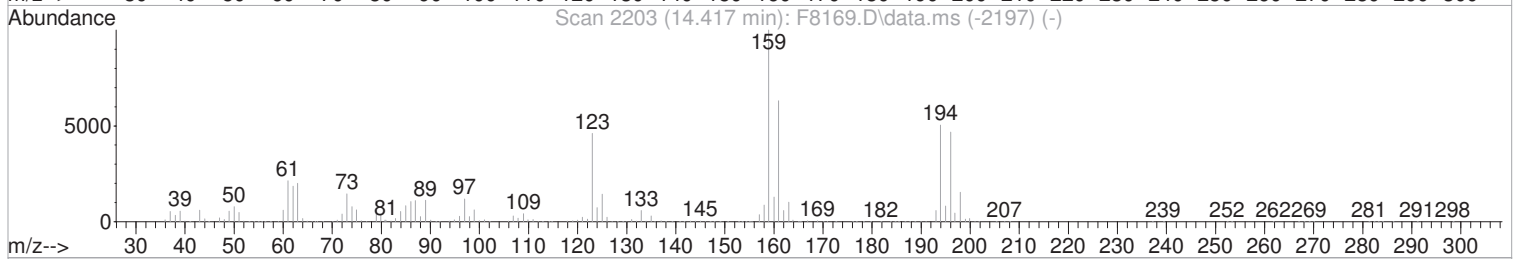
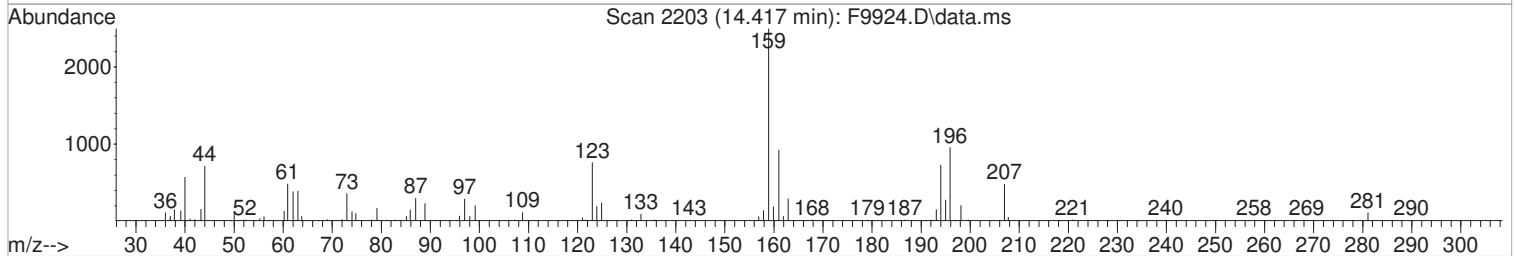
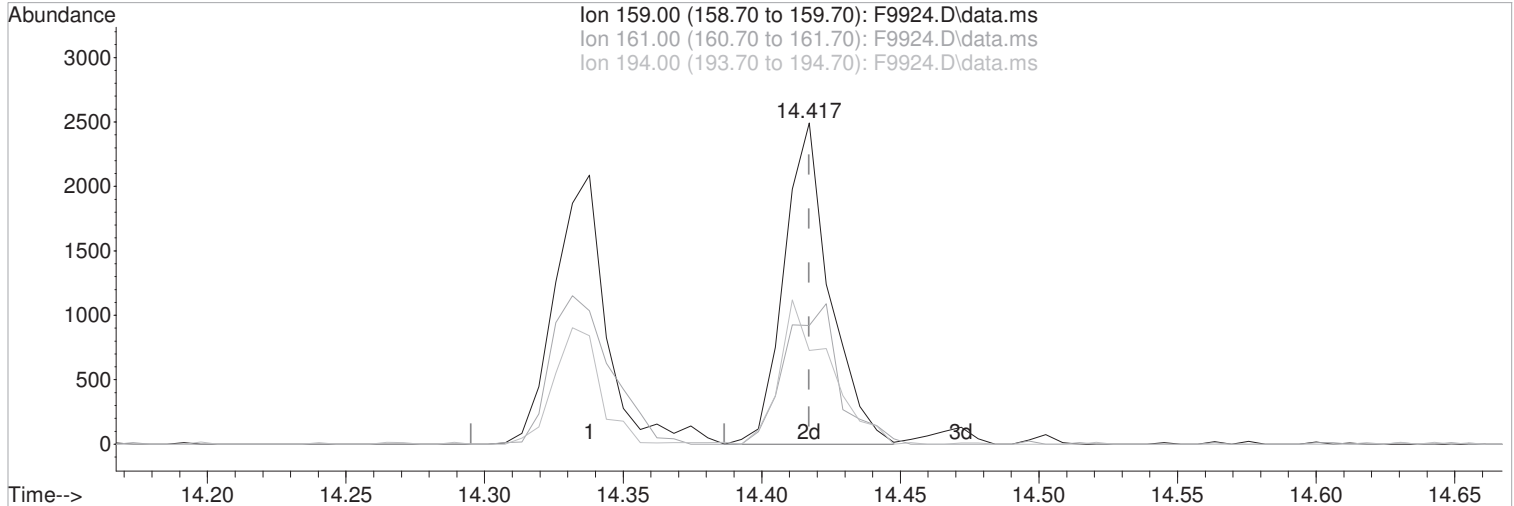
179.00	61.30	48.23

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.417min (+0.000) 0.60 ug/L m

response 2853

Ion	Exp%	Act%

159.00	100	100

161.00	63.20	36.92#

194.00	50.40	29.13#

0.00	0.00	0.00

Manual Integration:

After

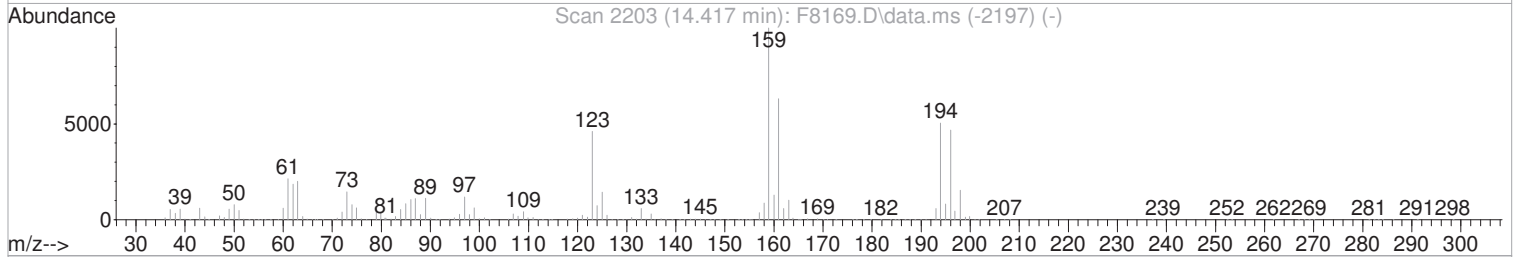
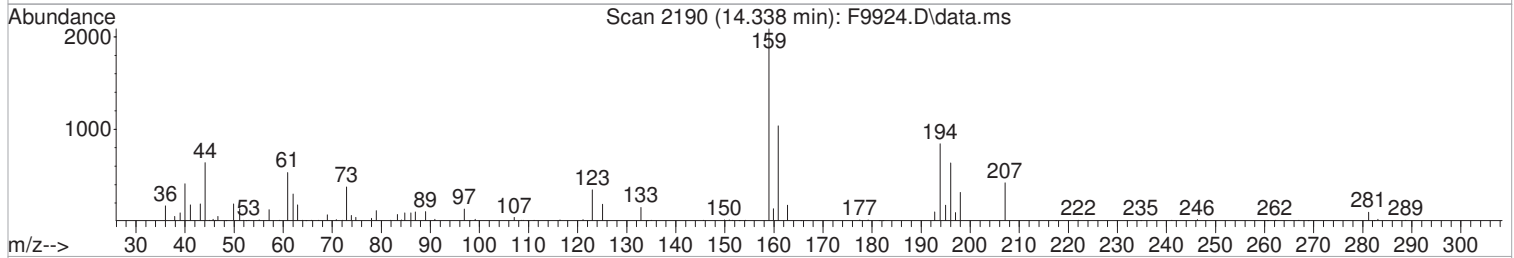
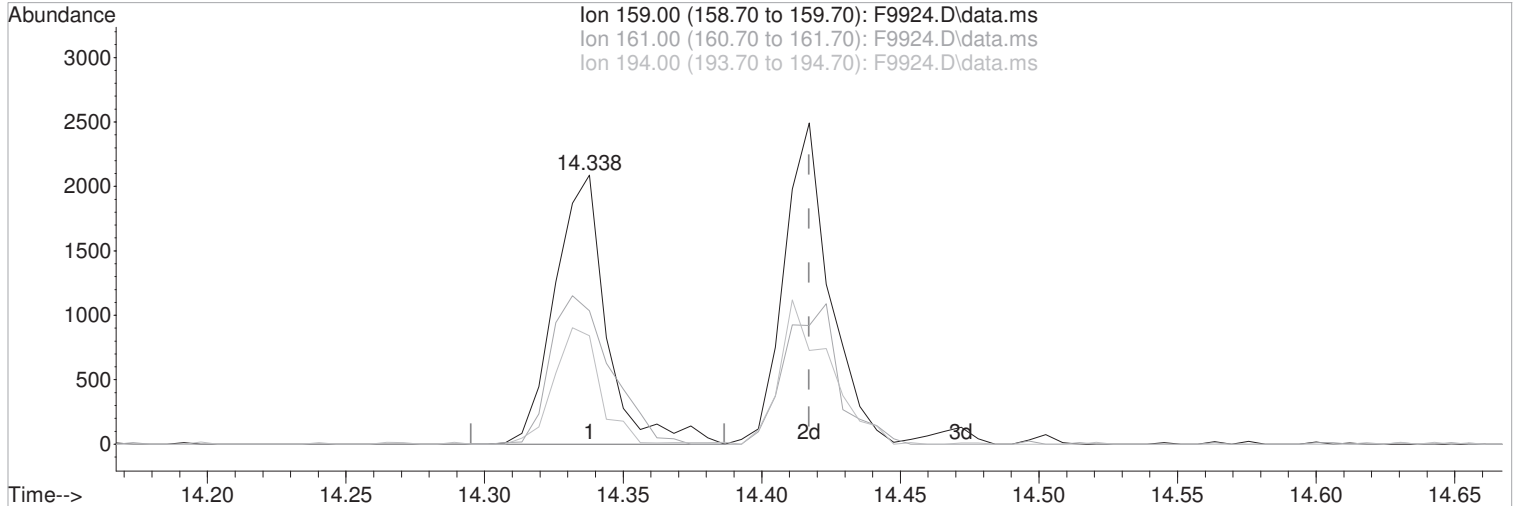
Wrong peak selected.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(119) 2,3,6-Trichlorotoluene

Manual Integration:

14.338min (-0.079) 0.57 ug/L

Before

response 2708

Ion	Exp%	Act%

11/12/21

159.00	100	100

161.00	63.20	49.59

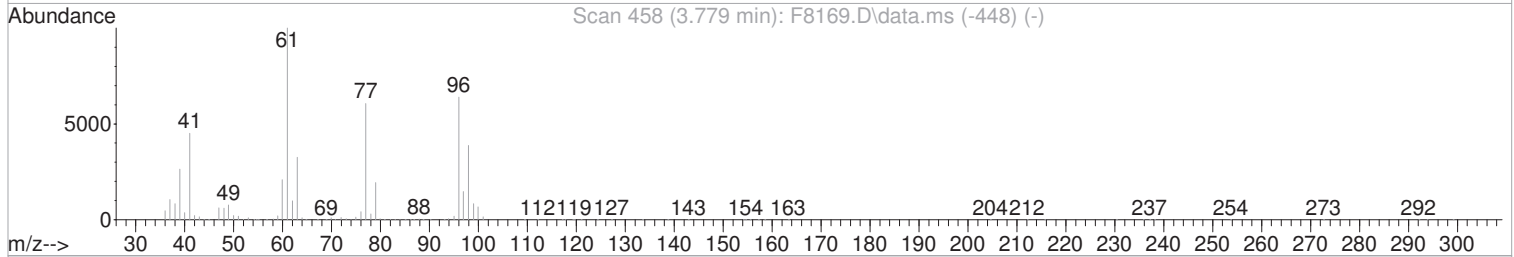
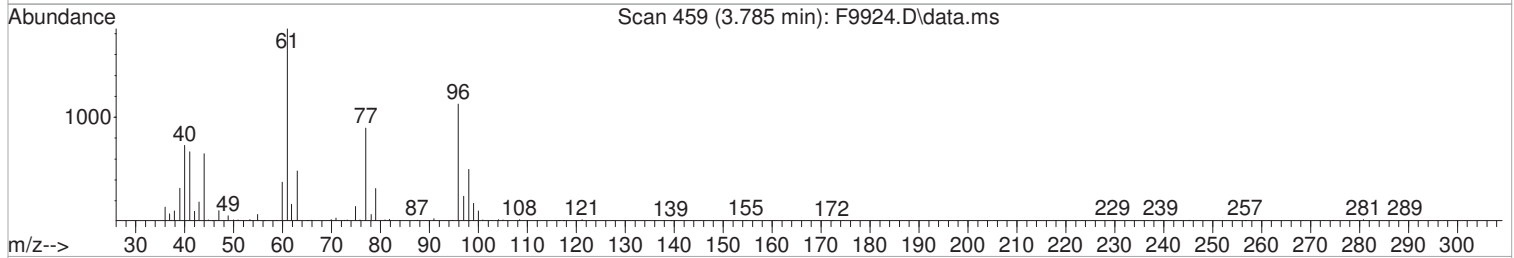
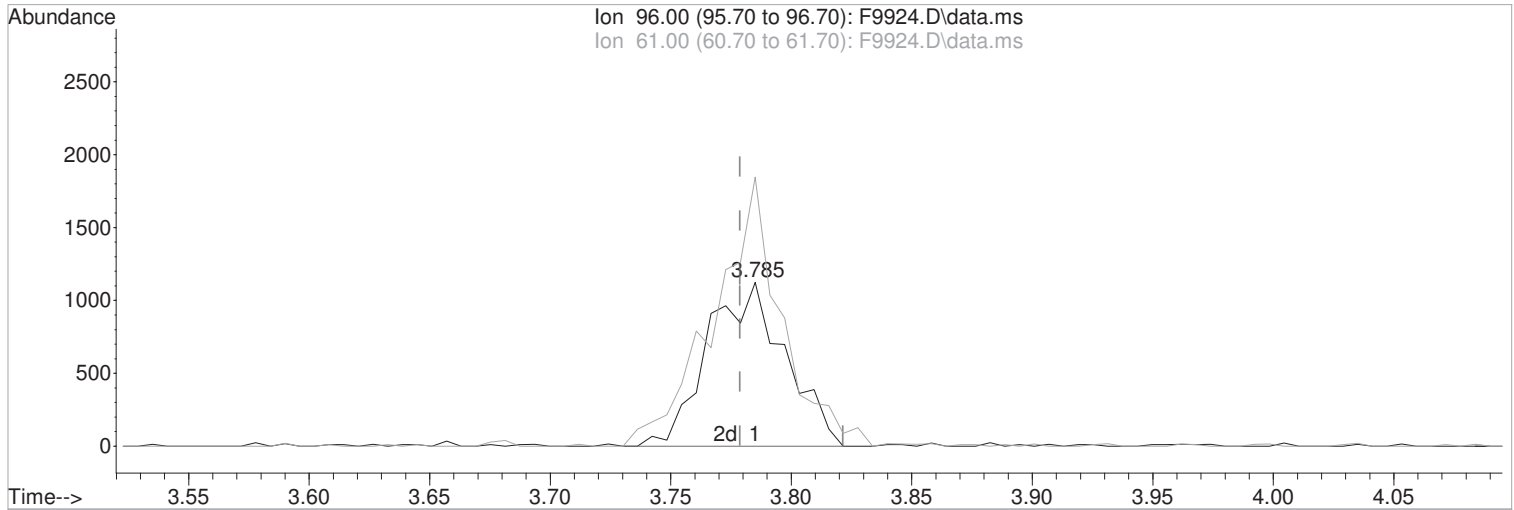
194.00	50.40	40.34

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

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

3.785min (+0.006) 0.40 ug/L m

response 2515

Ion	Exp%	Act%
96.00	100	100
61.00	156.40	164.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

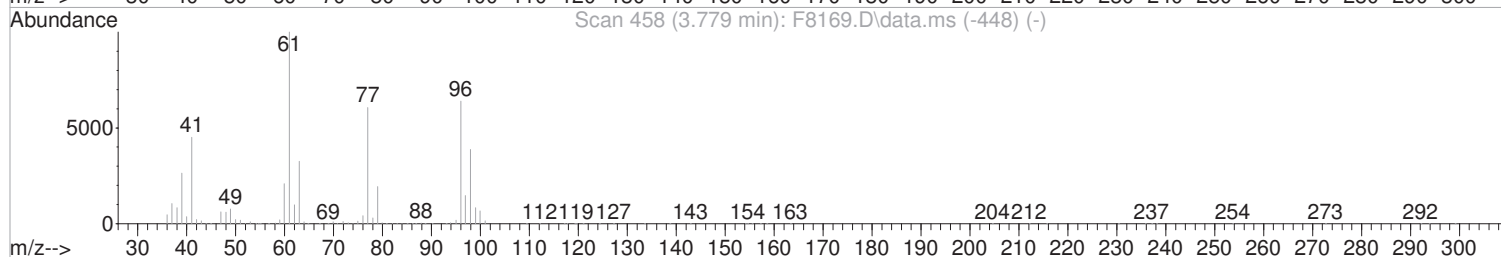
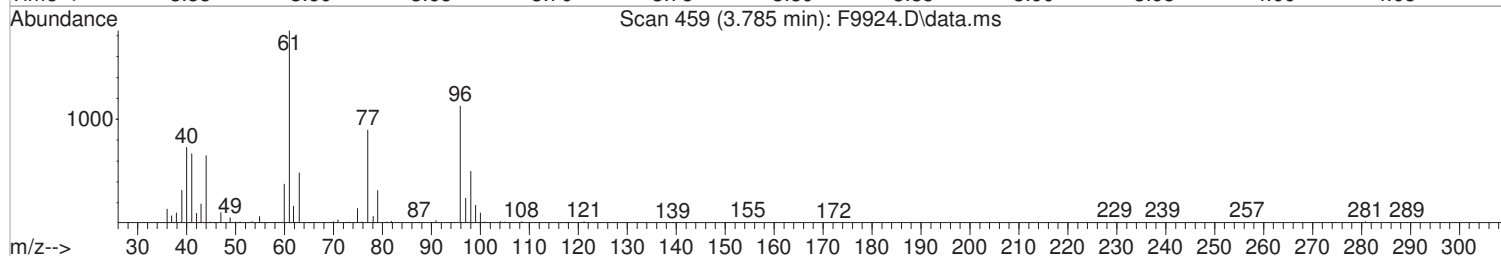
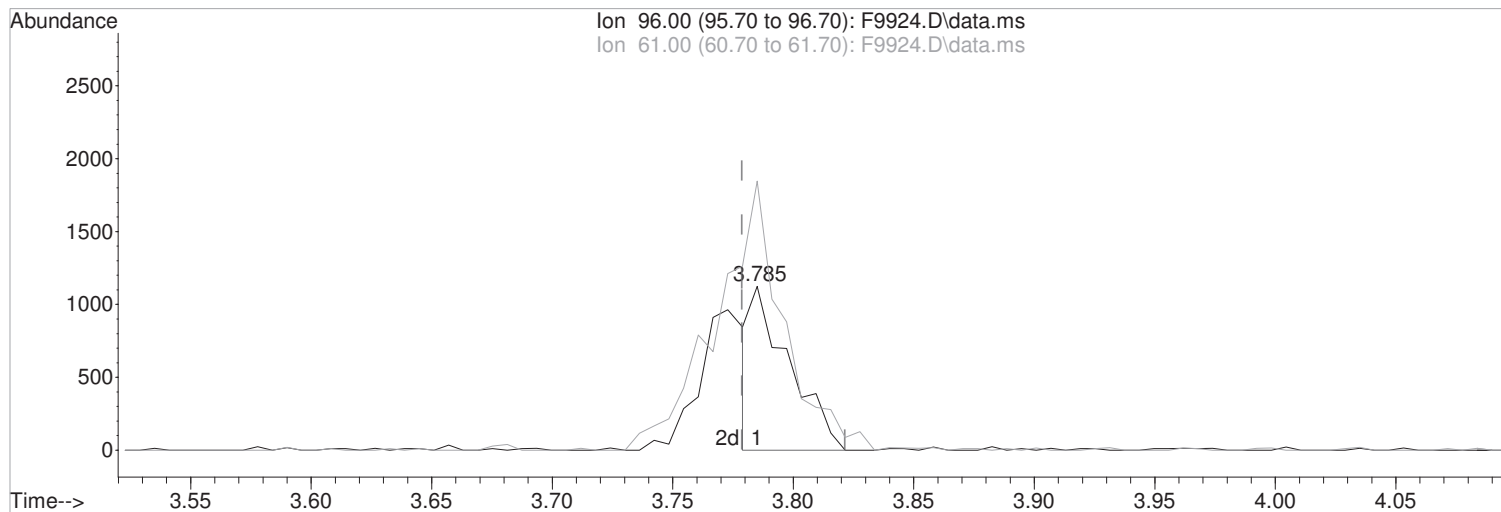
Poor integration.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

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

Manual Integration:

3.785min (+0.006) 0.20 ug/L

Before

response 1243

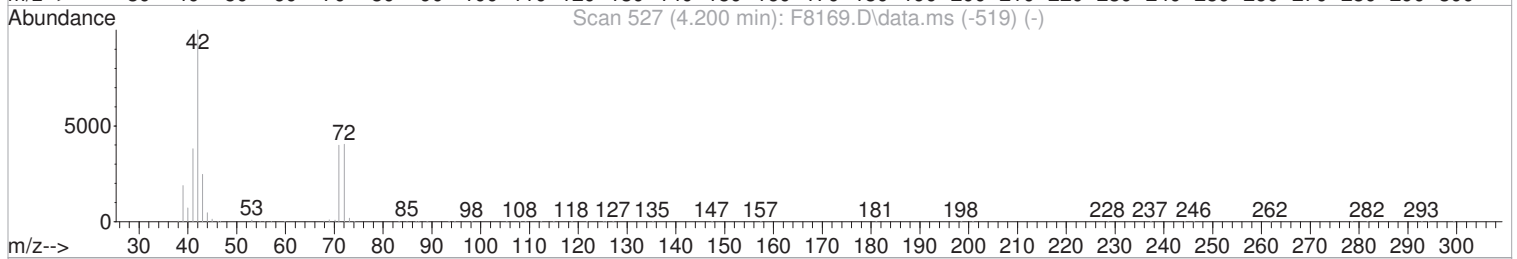
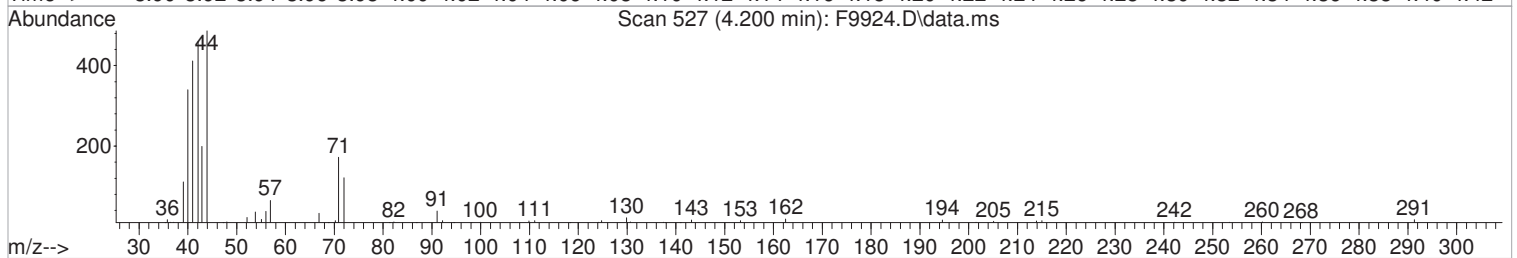
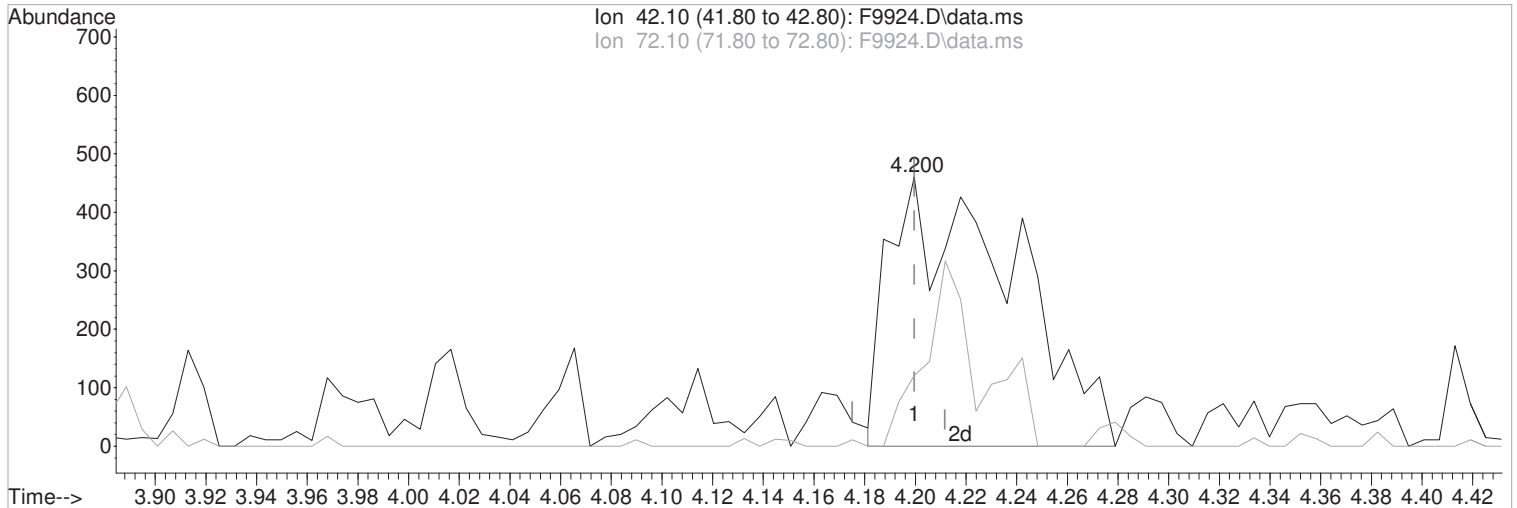
Ion	Exp%	Act%
96.00	100	100
61.00	156.40	164.09
0.00	0.00	0.00
0.00	0.00	0.00

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(38) Tetrahydrofuran

4.200min (+0.000) 0.46 ug/L m

response 1571

Ion	Exp%	Act%
42.10	100	100
72.10	40.20	26.30
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

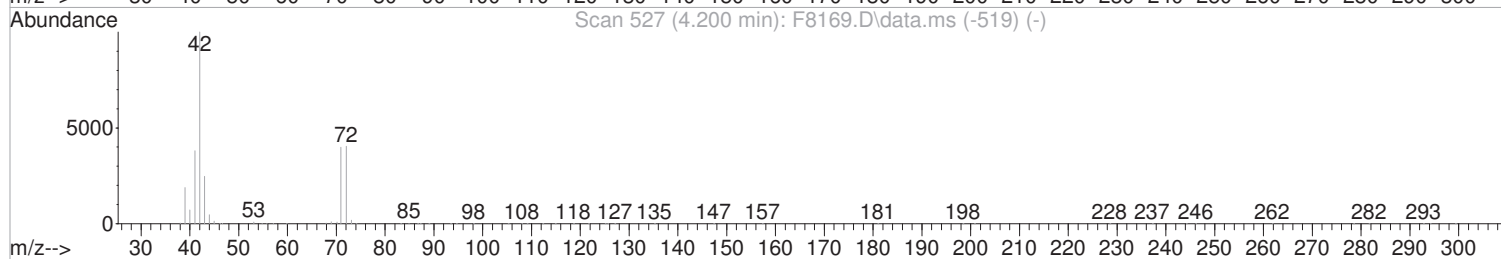
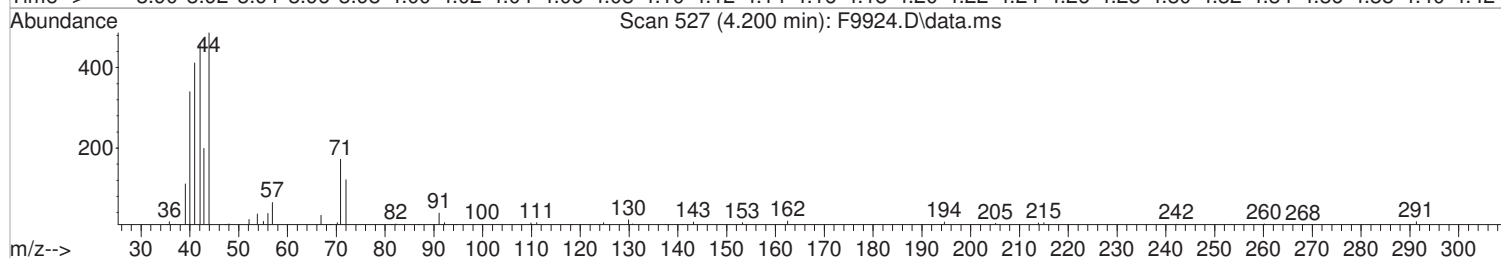
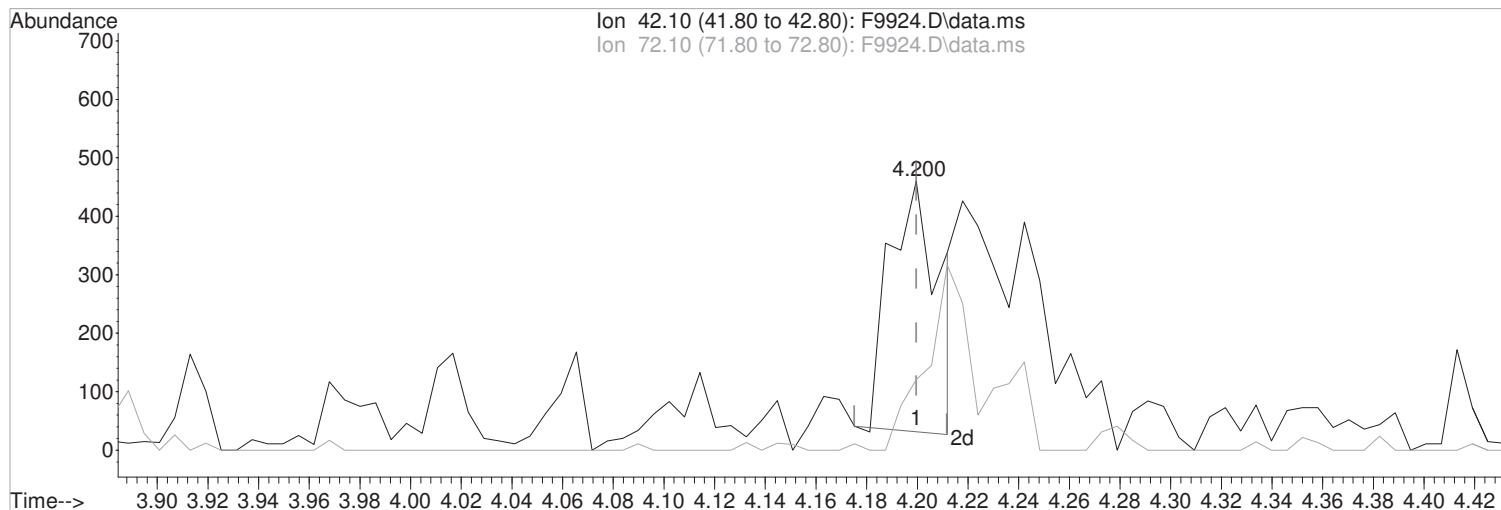
Poor integration.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(38) Tetrahydrofuran

Manual Integration:

4.200min (+0.000) 0.17 ug/L

Before

response 581

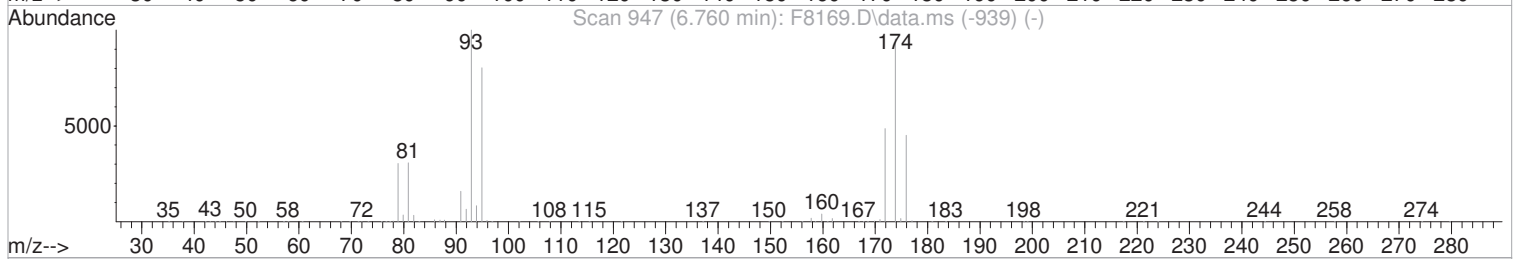
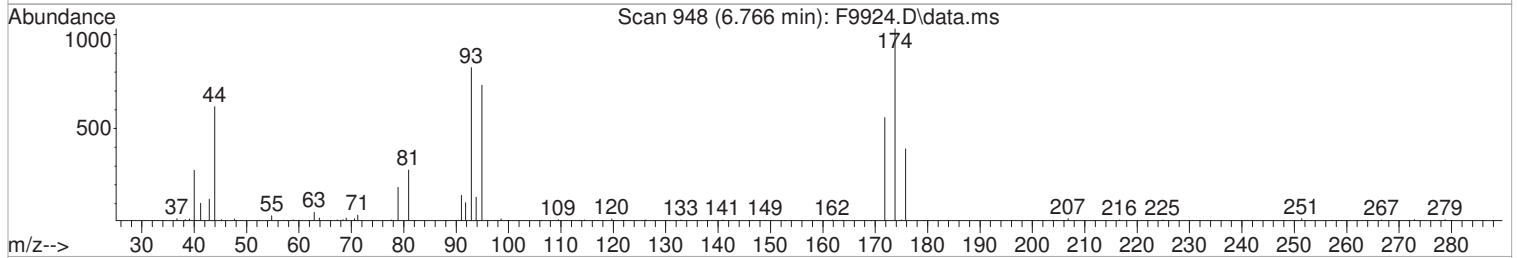
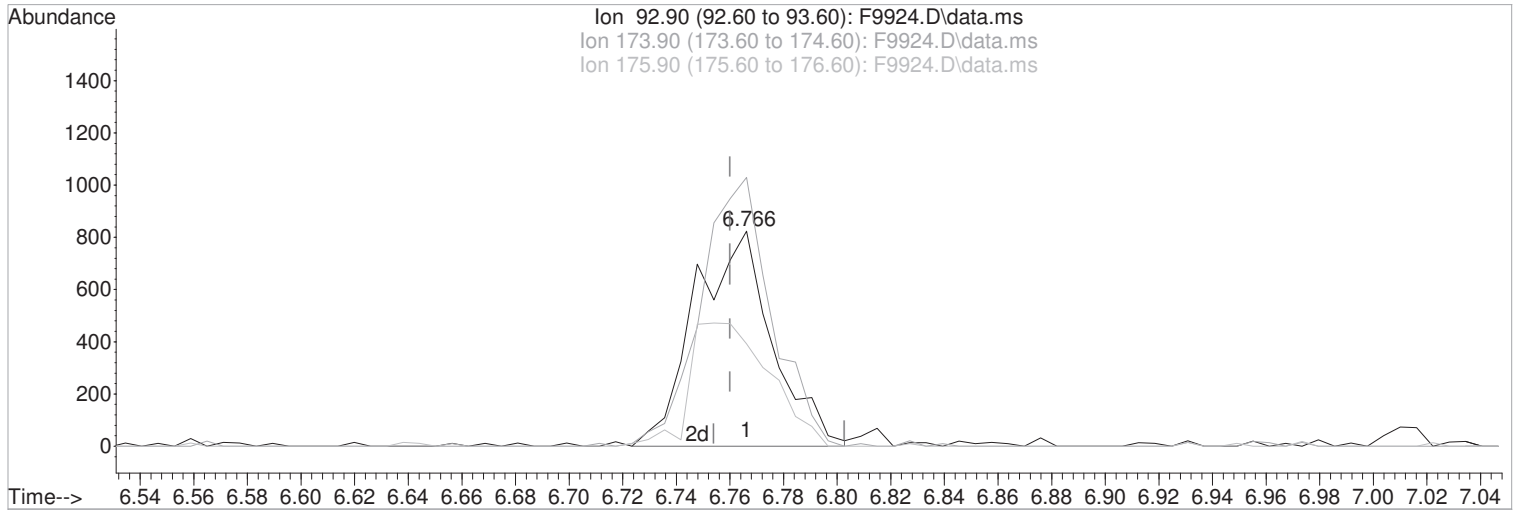
Ion	Exp%	Act%
42.10	100	100
72.10	40.20	26.30
0.00	0.00	0.00
0.00	0.00	0.00

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(56) Dibromomethane

6.766min (+0.006) 0.43 ug/L m

response 1653

Ion	Exp%	Act%

92.90	100	100

173.90	95.40	125.00#

175.90	45.10	47.57

0.00	0.00	0.00

Manual Integration:

After

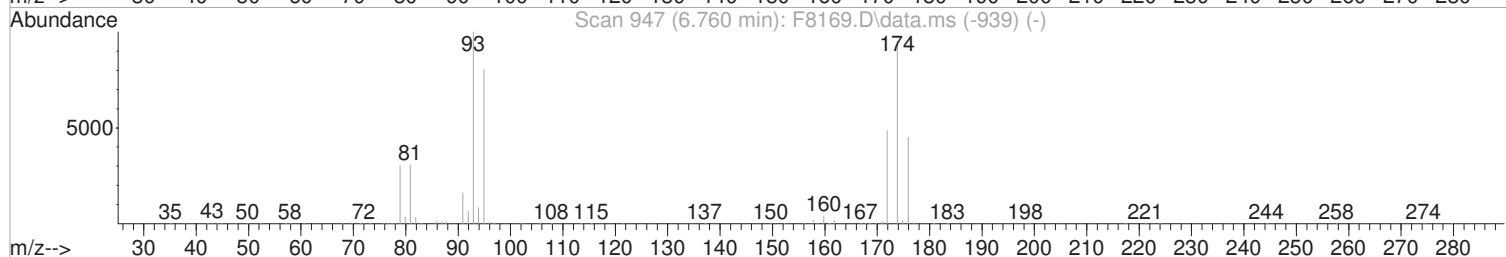
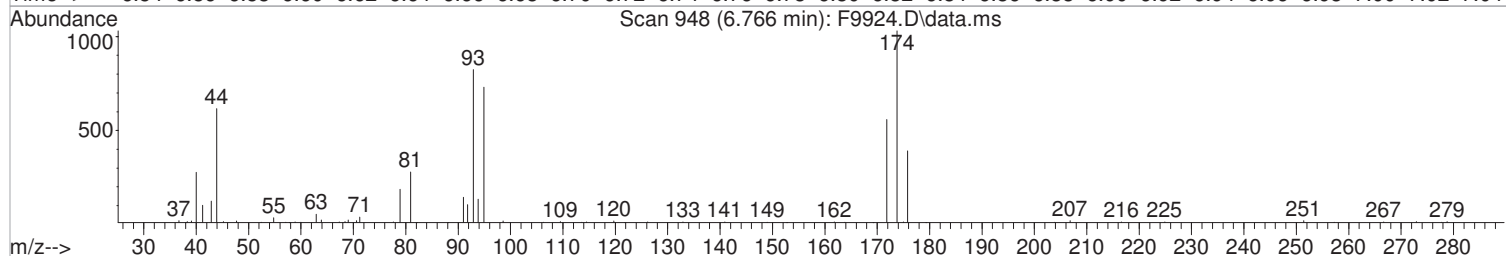
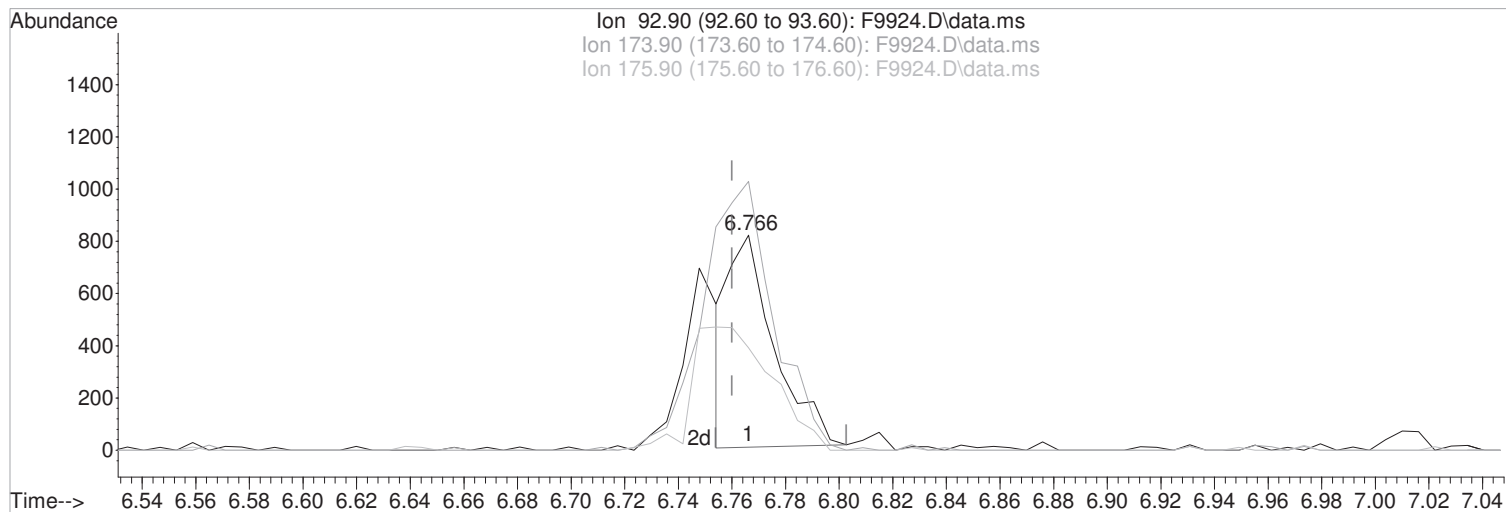
Poor integration.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(56) Dibromomethane

Manual Integration:

6.766min (+0.006) 0.25 ug/L

Before

response 971

Ion	Exp%	Act%

11/12/21

92.90	100	100

173.90	95.40	125.00#

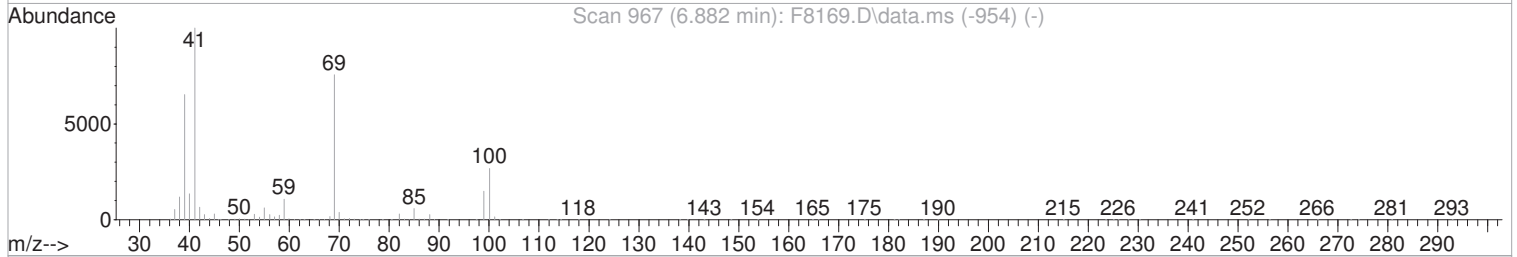
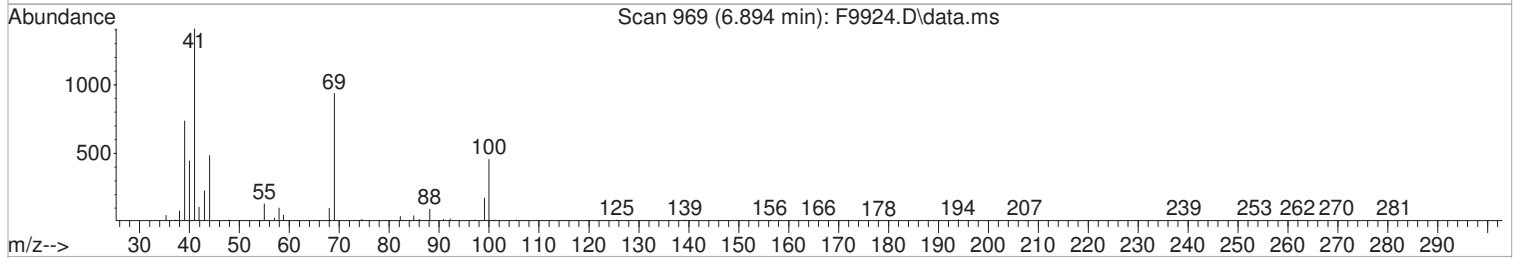
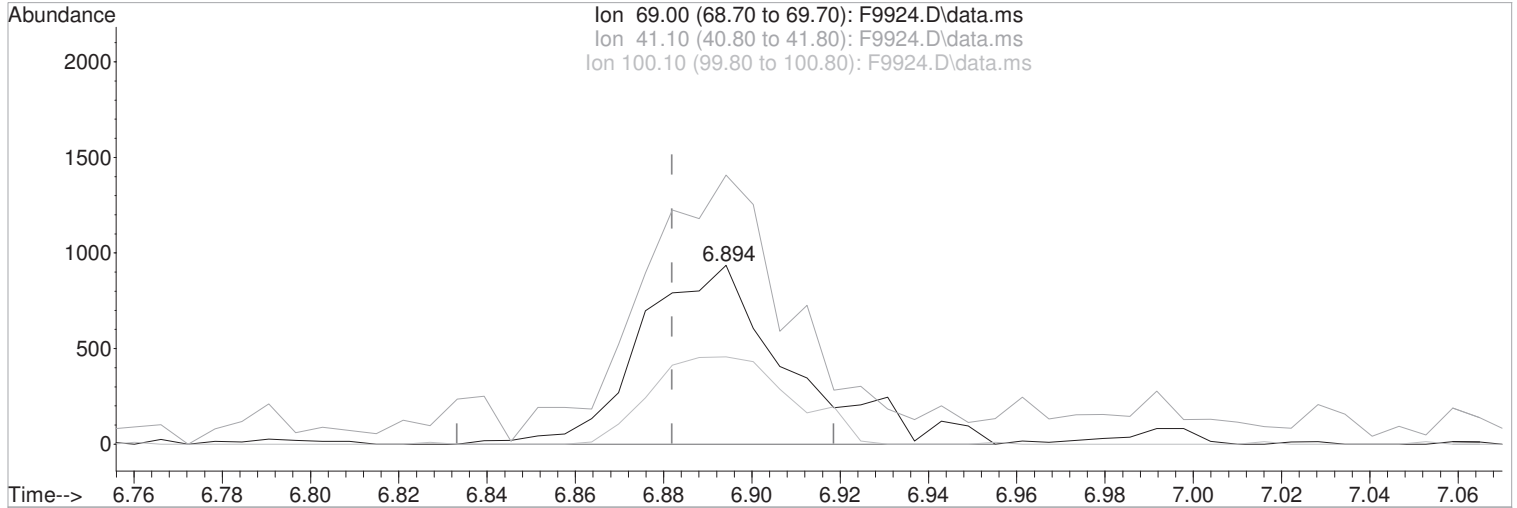
175.90	45.10	47.57

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(58) Methyl Methacrylate

6.894min (+0.012) 0.42 ug/L m

response 2193

Ion	Exp%	Act%
69.00	100	100
41.10	132.90	150.48
100.10	35.40	48.77
0.00	0.00	0.00

Manual Integration:

After

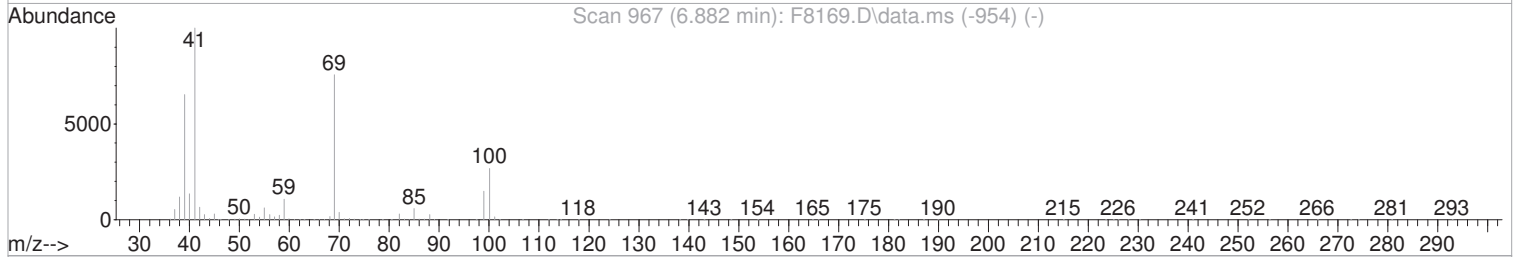
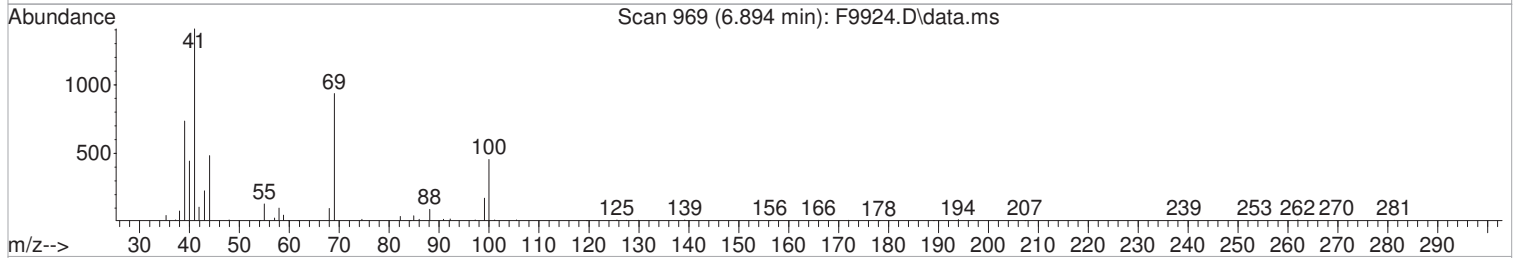
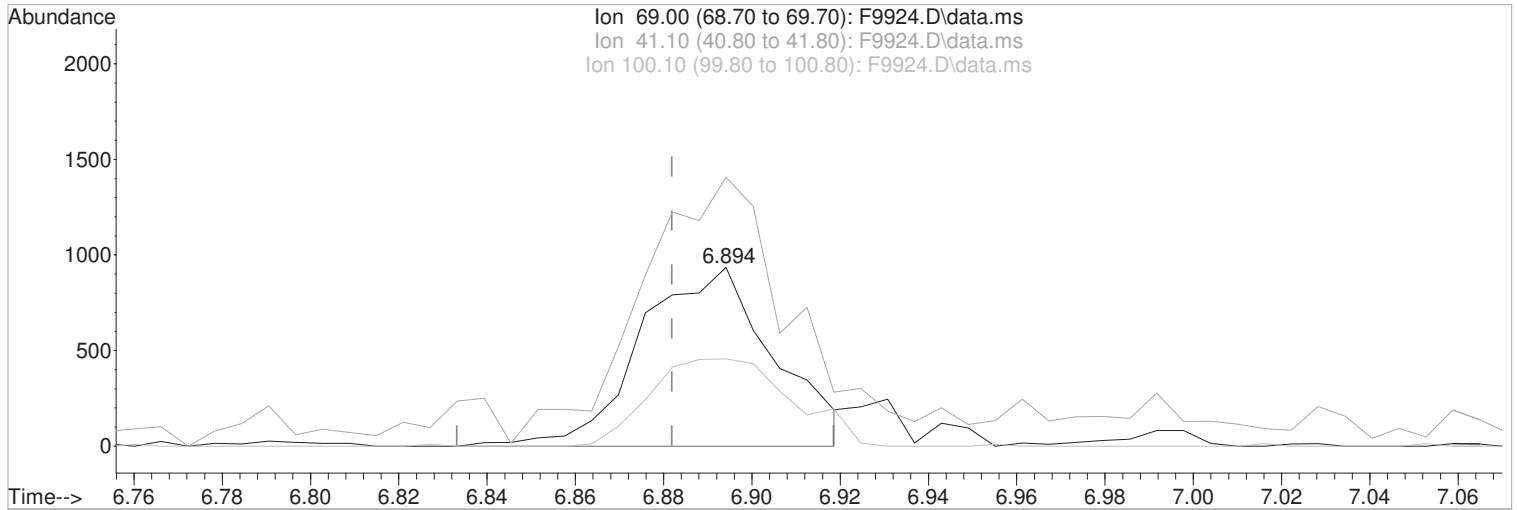
Poor integration.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(58) Methyl Methacrylate

Manual Integration:

6.894min (+0.012) 0.37 ug/L

Before

response 1943

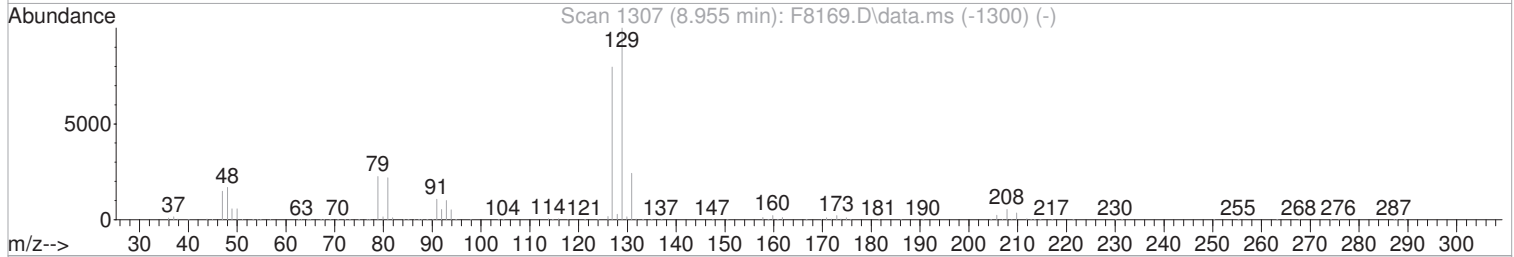
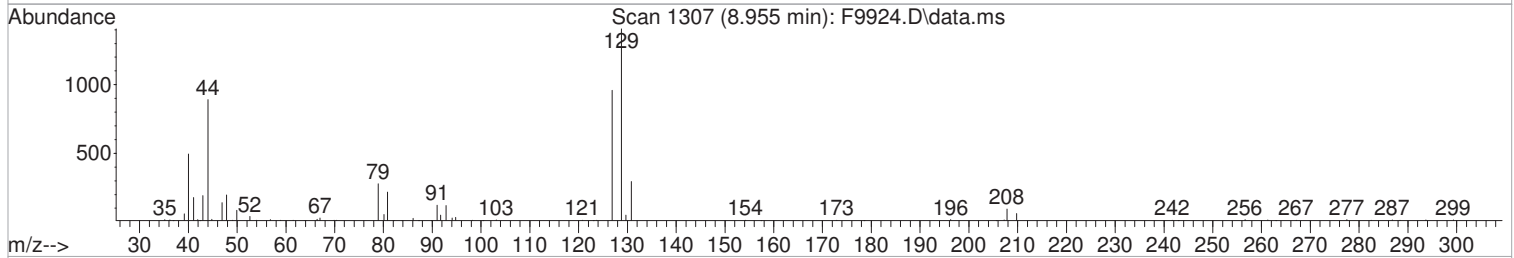
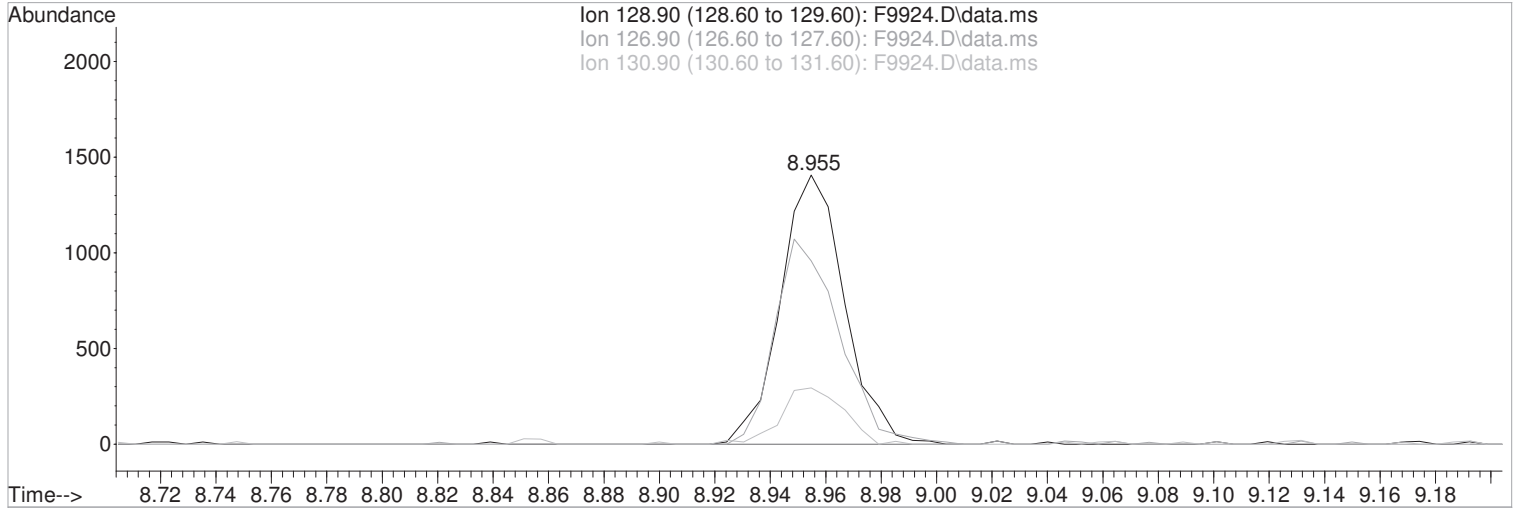
Ion	Exp%	Act%
69.00	100	100
41.10	132.90	150.48
100.10	35.40	48.77
0.00	0.00	0.00

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(74) Dibromochloromethane (P)

8.955min (+0.001) 0.50 ug/L m

response 2263

Ion	Exp%	Act%
128.90	100	100
126.90	79.60	68.14
130.90	24.30	20.91
0.00	0.00	0.00

Manual Integration:

After

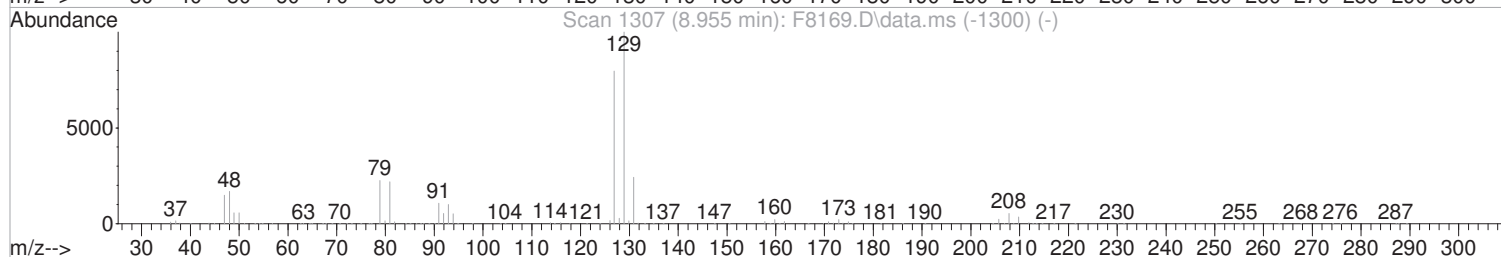
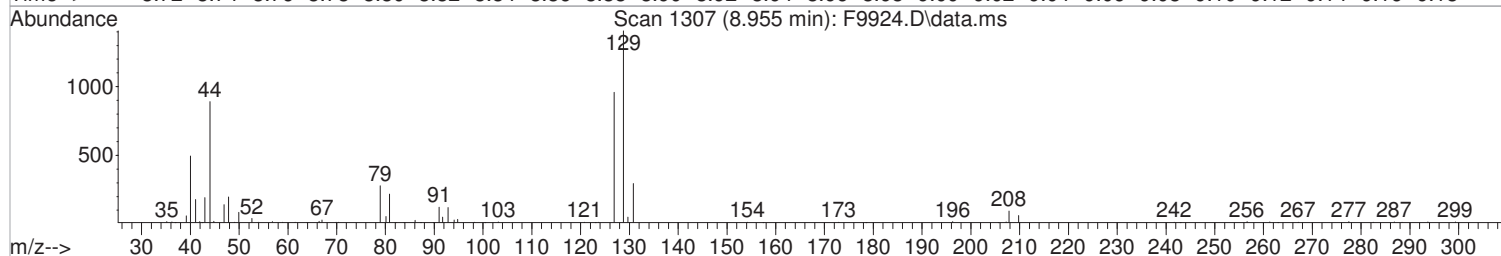
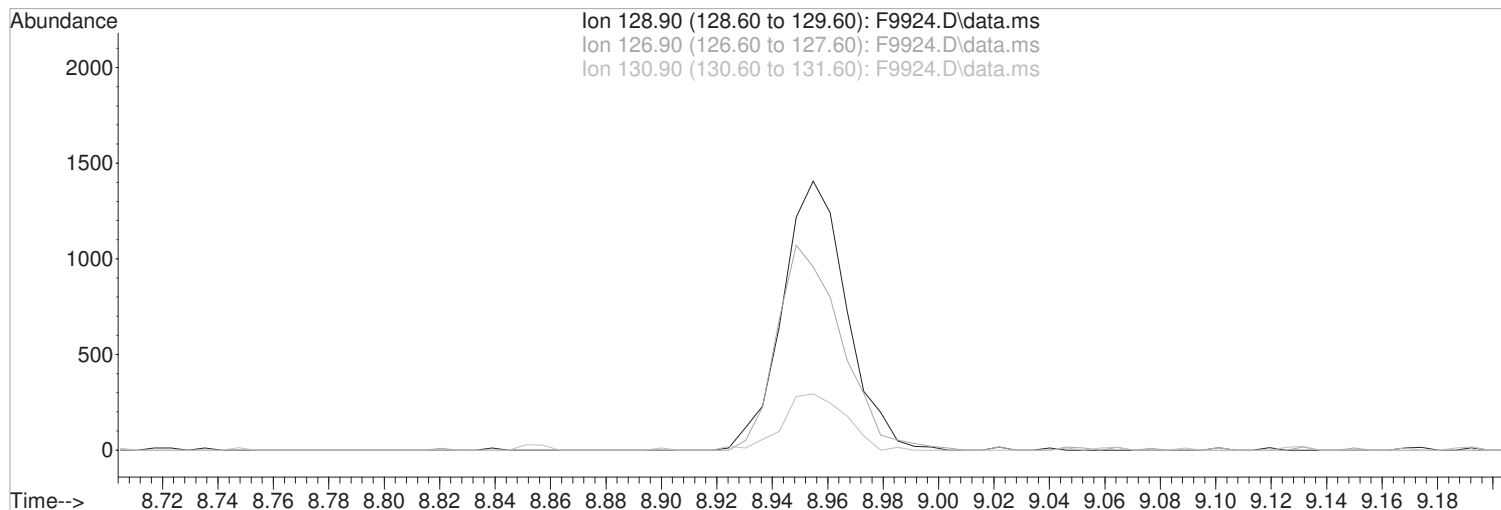
Peak not found.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9924.D
Acq On : 12 Nov 2021 2:40 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:07:34 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9924.D\data.ms

(74) Dibromochloromethane (P)

Manual Integration:

8.954min (-8.954) 0.00 ug/L

Before

response 0

Ion	Exp%	Act%

11/12/21

128.90	100	0.00

126.90	79.60	0.00#

130.90	24.30	0.00#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9924.D
 Acq On : 12 Nov 2021 2:40 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:27 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	555385	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	827935	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.570	117	754077	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	392972	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	56349	10.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	21.08%#
47) surr1,1,2-dichloroetha...	5.114	65	70794	9.28	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	18.56%#
64) SURR3,Toluene-d8	7.943	98	216850	10.15	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	20.30%#
69) SURR2,BFB	10.723	95	83567	10.03	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	20.06%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	2164	0.32	ug/L	95
3) Chloromethane	1.151	50	2771	0.40	ug/L	93
4) Vinyl Chloride	1.218	62	2323	0.33	ug/L	94
5) Bromomethane	1.414	94	2611	0.46	ug/L	91
6) Chloroethane	1.481	64	1498	0.31	ug/L	70
7) Freon 21	1.603	67	3789	0.28	ug/L	85
8) Trichlorofluoromethane	1.645	101	2930	0.29	ug/L	89
9) Diethyl Ether	1.846	59	2574	0.45	ug/L	92
10) Freon 123a	1.840	67	2641	0.37	ug/L	92
11) Freon 123	1.883	83	2763	0.36	ug/L	94
12) Acrolein	1.932	56	3860	1.98	ug/L	97
13) 1,1-Dicethene	2.005	96	1882	0.38	ug/L #	84
14) Freon 113	2.005	101	1959	0.39	ug/L #	72
15) Acetone	2.041	43	4974	1.19	ug/L	95
16) 2-Propanol	2.151	45	6524	8.66	ug/L	98
18) Carbon Disulfide	2.169	76	5321	0.45	ug/L	94
19) Acetonitrile	2.261	41	2256	1.94	ug/L	93
20) Allyl Chloride	2.285	76	1148	0.39	ug/L #	57
21) Methyl Acetate	2.310	43	4184	0.53	ug/L	99
22) Methylene Chloride	2.389	84	3014	0.49	ug/L #	83
23) TBA	2.499	59	11098	8.98	ug/L	91
24) Acrylonitrile	2.608	53	7305	1.95	ug/L	97
25) Methyl-t-Butyl Ether	2.657	73	8857	0.44	ug/L	96
26) trans-1,2-Dichloroethene	2.639	96	2108	0.40	ug/L #	84
27) 1,1-Dicethane	3.066	63	3960	0.38	ug/L	88
29) DIPE	3.175	45	8120	0.41	ug/L	89
30) 2-Chloro-1,3-Butadiene	3.175	53	3087	0.34	ug/L	97
31) ETBE	3.627	59	8486	0.47	ug/L	96
32) 2,2-Dichloropropane	3.773	77	3393	0.47	ug/L	88
33) cis-1,2-Dichloroethene	3.785	96	2515m	0.40	ug/L	
34) 2-Butanone	3.834	43	3950	0.69	ug/L	94
35) Propionitrile	3.901	54	2496	1.59	ug/L	98
36) Bromochloromethane	4.120	130	1959	0.50	ug/L #	75
37) Methacrylonitrile	4.126	67	1361	0.36	ug/L	96
38) Tetrahydrofuran	4.200	42	1571m	0.46	ug/L	
39) Chloroform	4.273	83	4079	0.36	ug/L	88
40) 1,1,1-Trichloroethane	4.547	97	3536	0.44	ug/L	85
41) TAME	5.498	73	8161	0.47	ug/L	96
43) Cyclohexane	4.638	41	1730	0.31	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9924.D
 Acq On : 12 Nov 2021 2:40 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:27 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
45) Carbontetrachloride	4.815	117	2353	0.42	ug/L	86
46) 1,1-Dichloropropene	4.834	75	2525	0.36	ug/L	81
48) Benzene	5.218	78	8687	0.41	ug/L	96
49) 1,2-Dichloroethane	5.260	62	3763	0.41	ug/L	87
50) Iso-Butyl Alcohol	5.248	43	4488	8.76	ug/L	79
51) n-Heptane	5.797	43	2952	0.45	ug/L	89
52) 1-Butanol	6.370	56	5032	17.40	ug/L	95
53) Trichloroethene	6.297	130	2438	0.42	ug/L #	83
54) Methylcyclohexane	6.559	55	2824	0.41	ug/L	97
55) 1,2-Dichloropropane	6.595	63	2793	0.47	ug/L	84
56) Dibromomethane	6.766	93	1653m	0.43	ug/L	
57) 1,4-Dioxane	6.851	88	1143	8.53	ug/L	83
58) Methyl Methacrylate	6.894	69	2193m	0.42	ug/L	
59) Bromodichloromethane	7.022	83	3243	0.48	ug/L	89
60) 2-Nitropropane	7.327	41	1919	1.10	ug/L	98
61) 2-Chloroethylvinyl Ether	7.492	63	1458	0.45	ug/L	91
62) cis-1,3-Dichloropropene	7.620	75	3474	0.45	ug/L	86
63) 4-Methyl-2-pentanone	7.863	43	3985	0.43	ug/L	94
65) Toluene	8.016	91	9236	0.41	ug/L	98
66) trans-1,3-Dichloropropene	8.327	75	3089	0.45	ug/L	86
67) Ethyl Methacrylate	8.504	69	3993	0.46	ug/L	96
68) 1,1,2-Trichloroethane	8.522	97	2437	0.45	ug/L	88
71) Tetrachloroethene	8.668	164	1604	0.41	ug/L	87
72) 2-Hexanone	8.869	43	2613	0.38	ug/L #	65
73) 1,3-Dichloropropane	8.705	76	4378	0.44	ug/L	86
74) Dibromochloromethane	8.955	129	2263m	0.50	ug/L	
75) N-Butyl Acetate	9.052	43	4803	0.37	ug/L	86
76) 1,2-Dibromoethane	9.052	107	2600	0.46	ug/L	99
77) 3-Chlorobenzotrifluoride	9.650	180	2905	0.41	ug/L #	91
78) Chlorobenzene	9.601	112	6539	0.46	ug/L	90
79) 4-Chlorobenzotrifluoride	9.705	180	2878	0.45	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.698	131	2335	0.51	ug/L	90
81) Ethylbenzene	9.741	106	2835	0.38	ug/L	97
82) (m+p)Xylene	9.869	106	7577	0.82	ug/L	91
83) o-Xylene	10.247	106	3787	0.41	ug/L	98
84) Styrene	10.259	104	6330	0.41	ug/L	89
85) Bromoform	10.406	173	1649	0.52	ug/L	90
86) 2-Chlorobenzotrifluoride	10.509	180	3228	0.46	ug/L	98
87) Isopropylbenzene	10.601	105	9007	0.40	ug/L	97
88) Cyclohexanone	10.656	55	12647	9.15	ug/L	100
89) trans-1,4-Dichloro-2-B...	10.936	53	907	0.50	ug/L	94
91) 1,1,2,2-Tetrachloroethane	10.875	83	3745	0.52	ug/L	92
92) Bromobenzene	10.845	156	2692	0.45	ug/L #	74
93) 1,2,3-Trichloropropane	10.899	110	1307	0.46	ug/L #	89
94) n-Propylbenzene	10.979	91	10421	0.37	ug/L	94
95) 2-Chlorotoluene	11.034	91	7305	0.42	ug/L	97
96) 3-Chlorotoluene	11.088	91	7753	0.43	ug/L	95
97) 4-Chlorotoluene	11.131	91	8768	0.44	ug/L	93
98) 1,3,5-Trimethylbenzene	11.137	105	8325	0.41	ug/L	99
99) tert-Butylbenzene	11.418	119	7049	0.43	ug/L	97
100) 1,2,4-Trimethylbenzene	11.454	105	8282	0.41	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.527	214	2611	0.47	ug/L #	84
102) sec-Butylbenzene	11.607	105	9351	0.39	ug/L	97
103) p-Isopropyltoluene	11.735	119	8290	0.40	ug/L	86
104) 1,3-Dichlorobenz	11.680	146	5411	0.48	ug/L	94
105) 1,4-Dichlorobenz	11.753	146	5744	0.46	ug/L	85

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9924.D
 Acq On : 12 Nov 2021 2:40 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:27 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

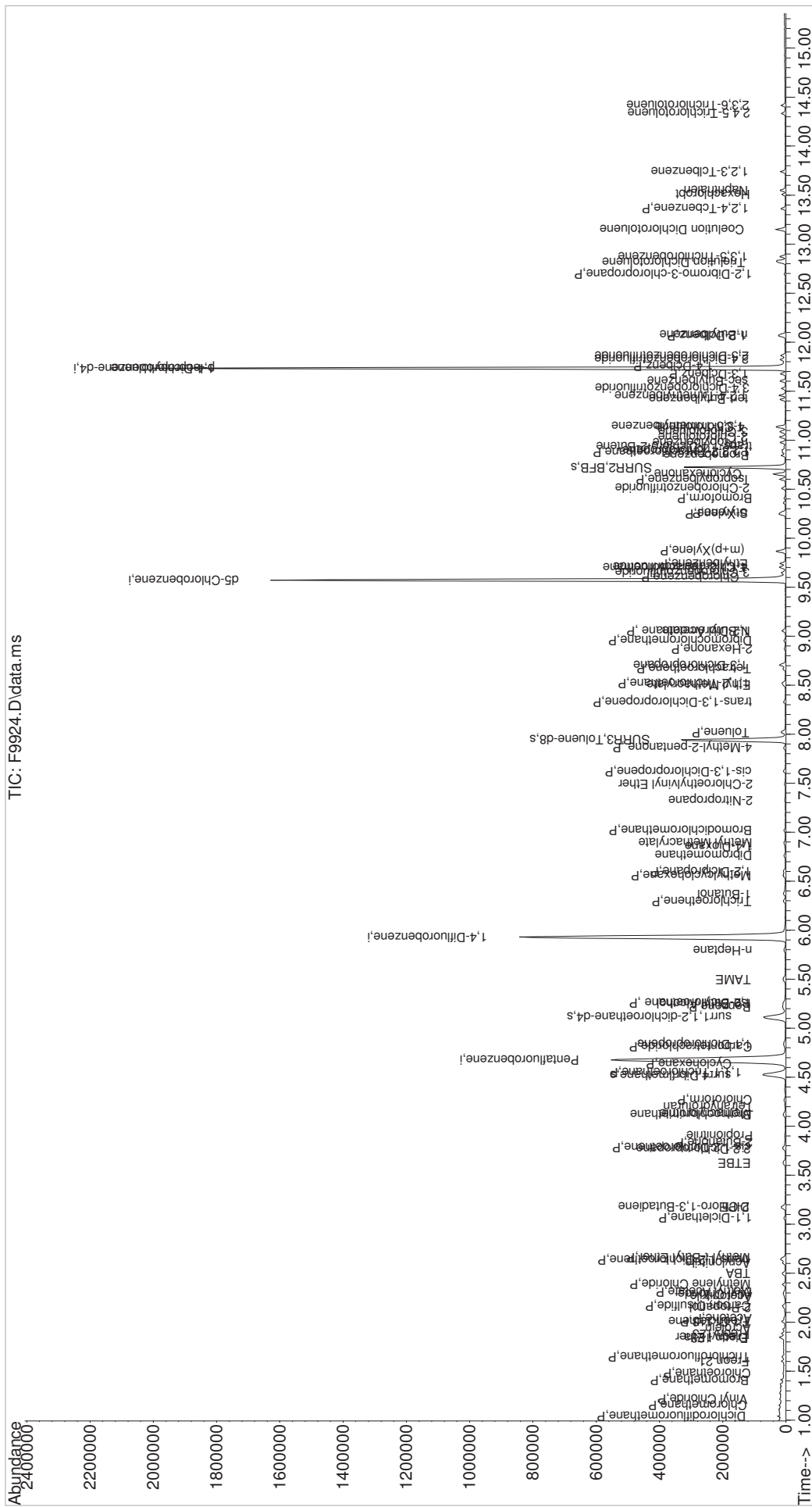
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
106) 2,4-Dichlorobenzotrifl...	11.826	214	2434	0.50	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.863	214	2560m	0.45	ug/L	
108) n-Butylbenzene	12.076	91	7551	0.40	ug/L	94
109) 1,2-Dclbenz	12.064	146	5153	0.45	ug/L #	80
110) 1,2-Dibromo-3-chloropr...	12.698	157	838	0.51	ug/L #	77
111) Trielution Dichlorotol...	12.820	125	13374	1.34	ug/L	91
112) 1,3,5-Trichlorobenzene	12.875	180	4260	0.53	ug/L	91
113) Coelution Dichlorotoluene	13.149	125	10119	0.92	ug/L	87
114) 1,2,4-Tcbenzene	13.362	180	3789	0.50	ug/L	84
115) Hexachlorobt	13.509	225	1646	0.57	ug/L	95
116) Naphthalen	13.551	128	12009	0.45	ug/L	97
117) 1,2,3-Tclbenzene	13.740	180	3719	0.50	ug/L	89
118) 2,4,5-Trichlorotoluene	14.338	159	2708	0.50	ug/L	89
119) 2,3,6-Trichlorotoluene	14.417	159	2853m	0.60	ug/L	

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

(QT Reviewed)

Inst : MSVOA14

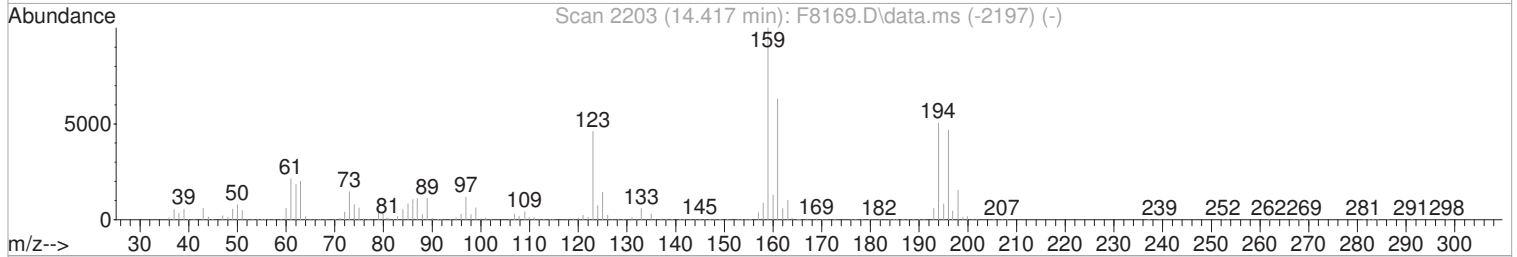
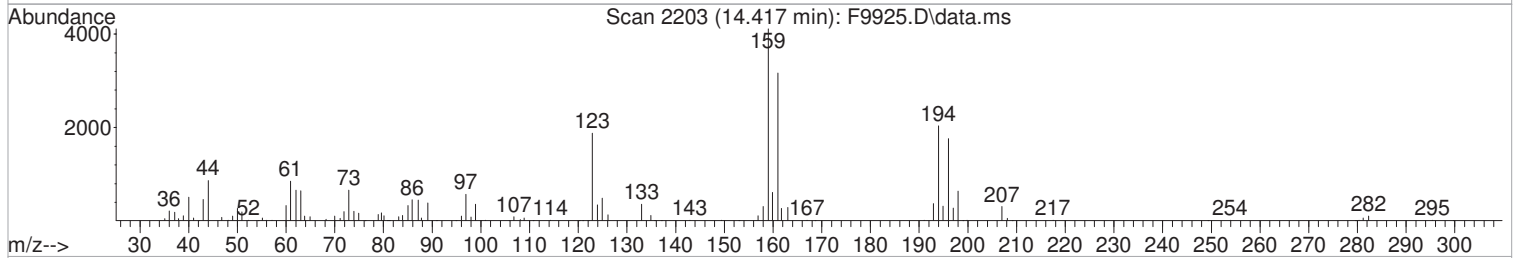
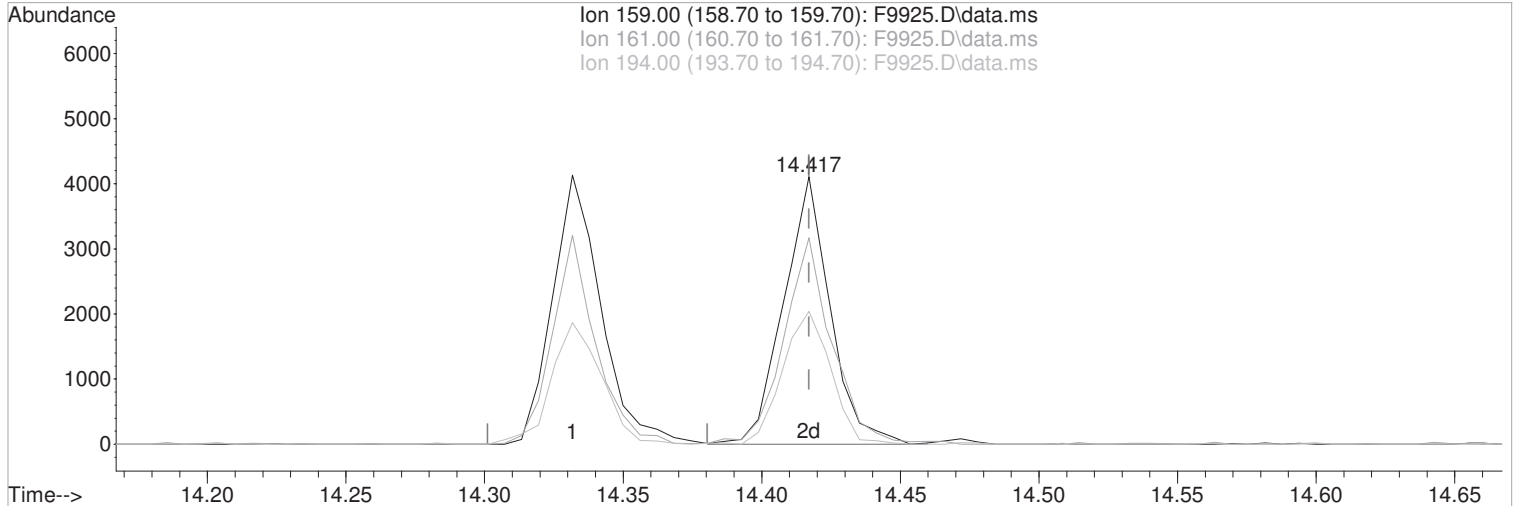
Quant Time: Nov 12 16:10:27 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9925.D
Acq On : 12 Nov 2021 3:02 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:38 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9925.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.417min (-0.000) 0.98 ug/L m

response 4793

Ion	Exp%	Act%
159.00	100	100
161.00	63.20	77.10
194.00	50.40	49.61
0.00	0.00	0.00

Manual Integration:

After

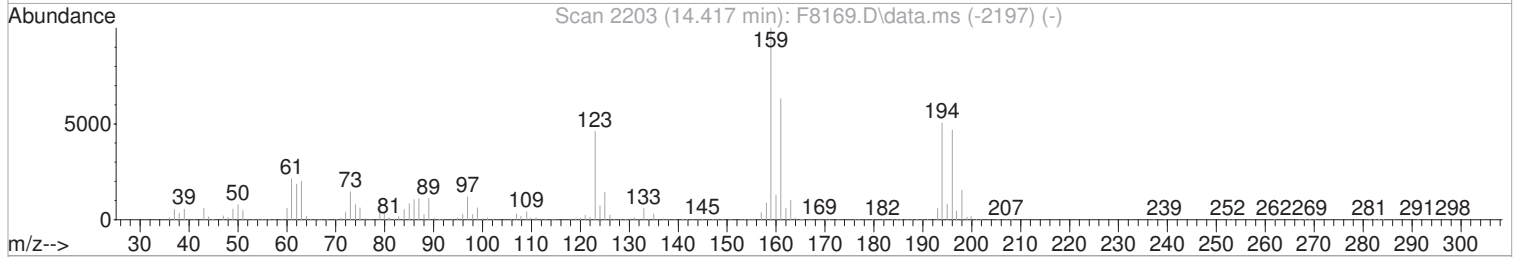
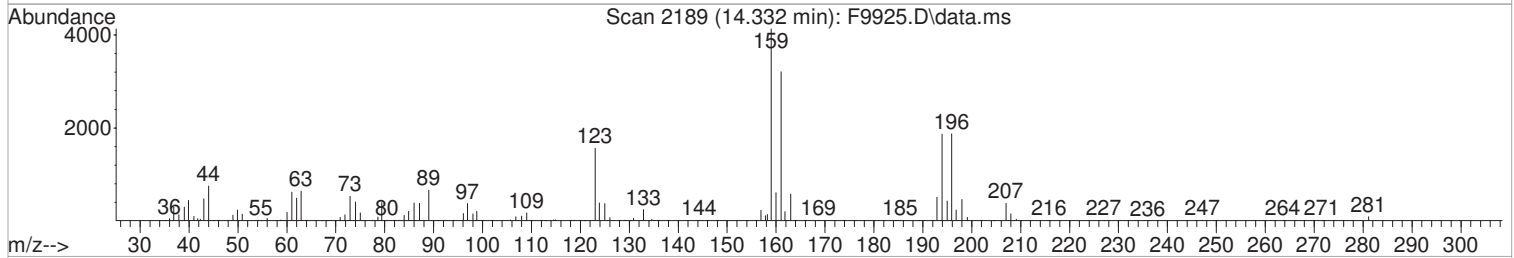
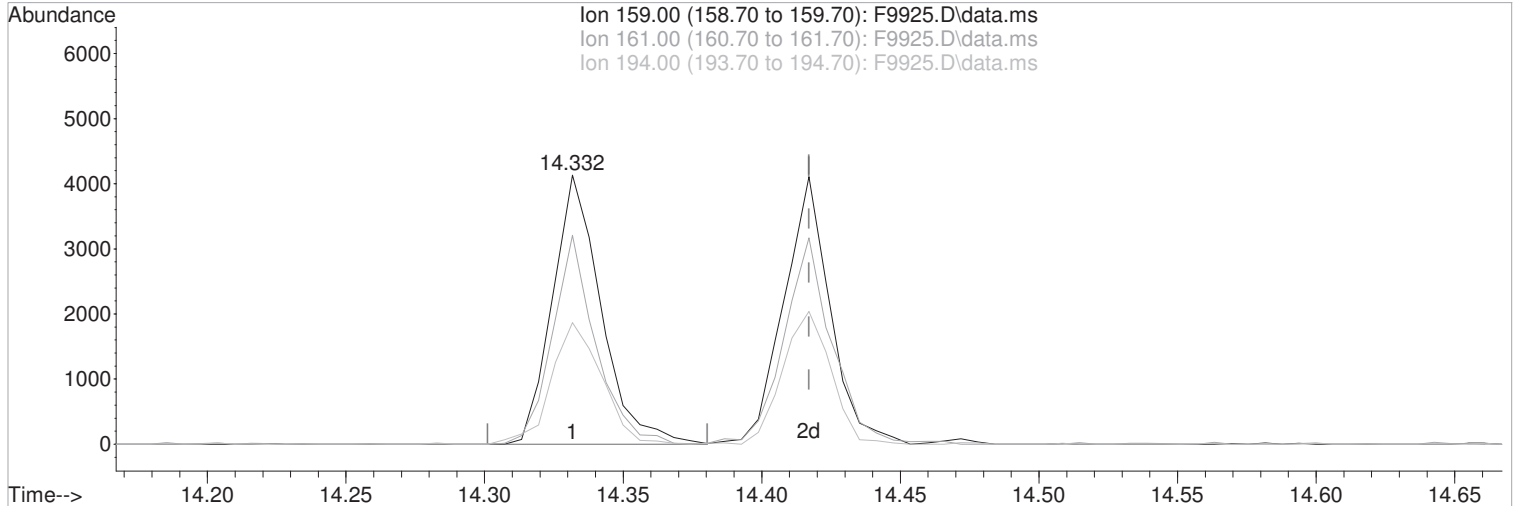
Wrong peak selected.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9925.D
Acq On : 12 Nov 2021 3:02 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:38 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9925.D\data.ms

(119) 2,3,6-Trichlorotoluene

Manual Integration:

14.332min (-0.085) 1.04 ug/L

Before

response 5060

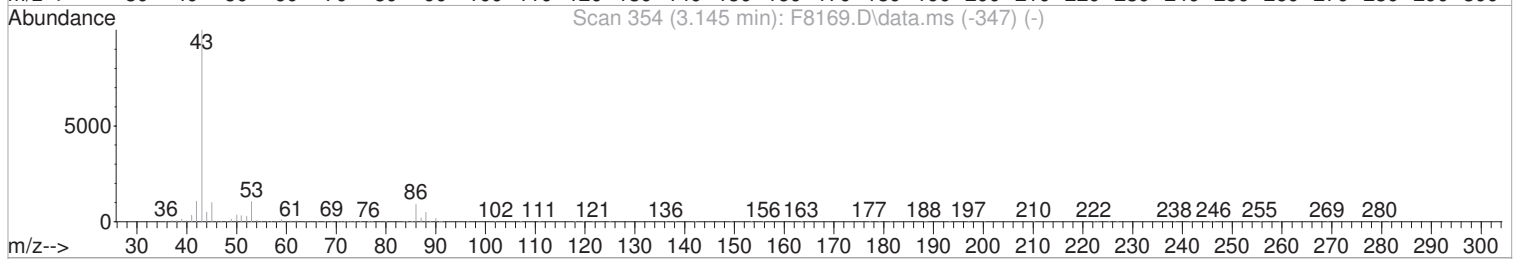
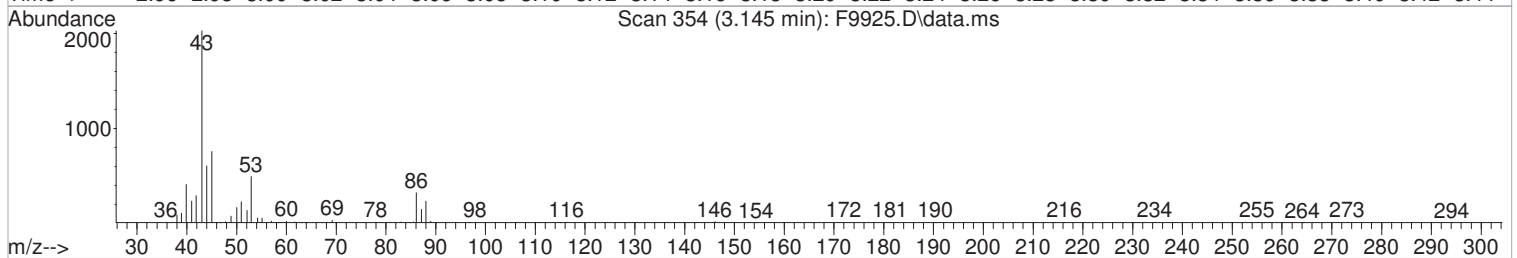
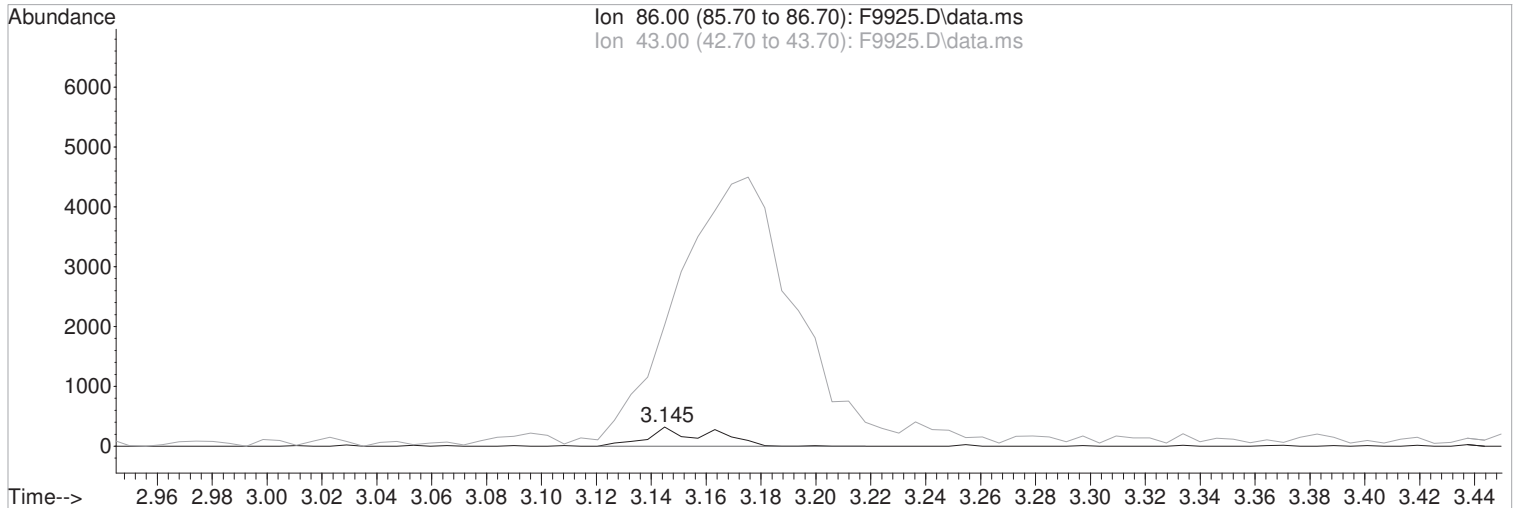
Ion	Exp%	Act%
159.00	100	100
161.00	63.20	77.68
194.00	50.40	45.24
0.00	0.00	0.00

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9925.D
Acq On : 12 Nov 2021 3:02 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:38 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9925.D\data.ms

(28) Vinyl Acetate

3.145min (+0.001) 0.47 ug/L m

response 518

Ion	Exp%	Act%
86.00	100	100
43.00	1102.20	629.19#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

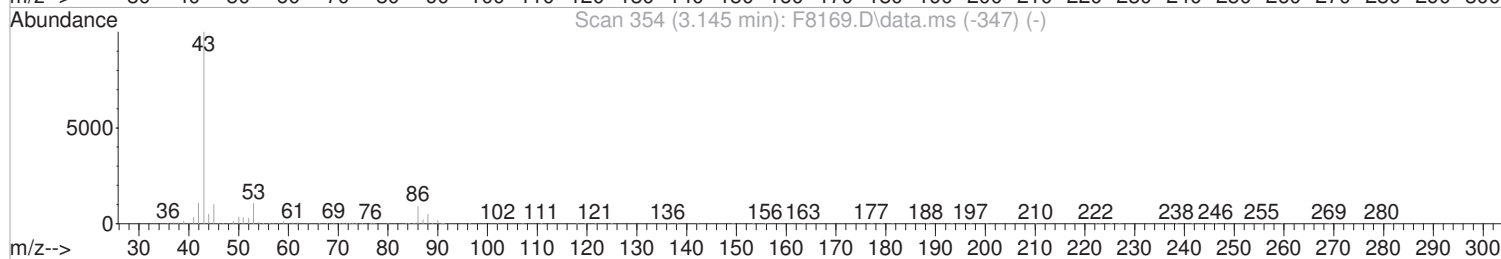
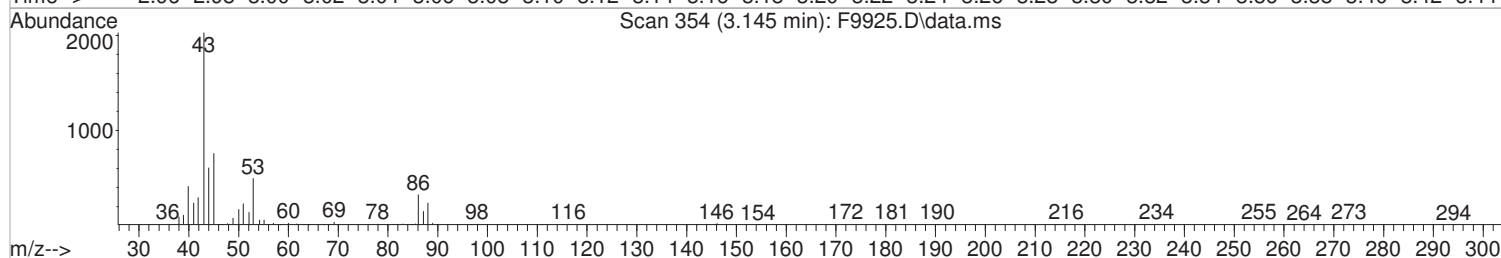
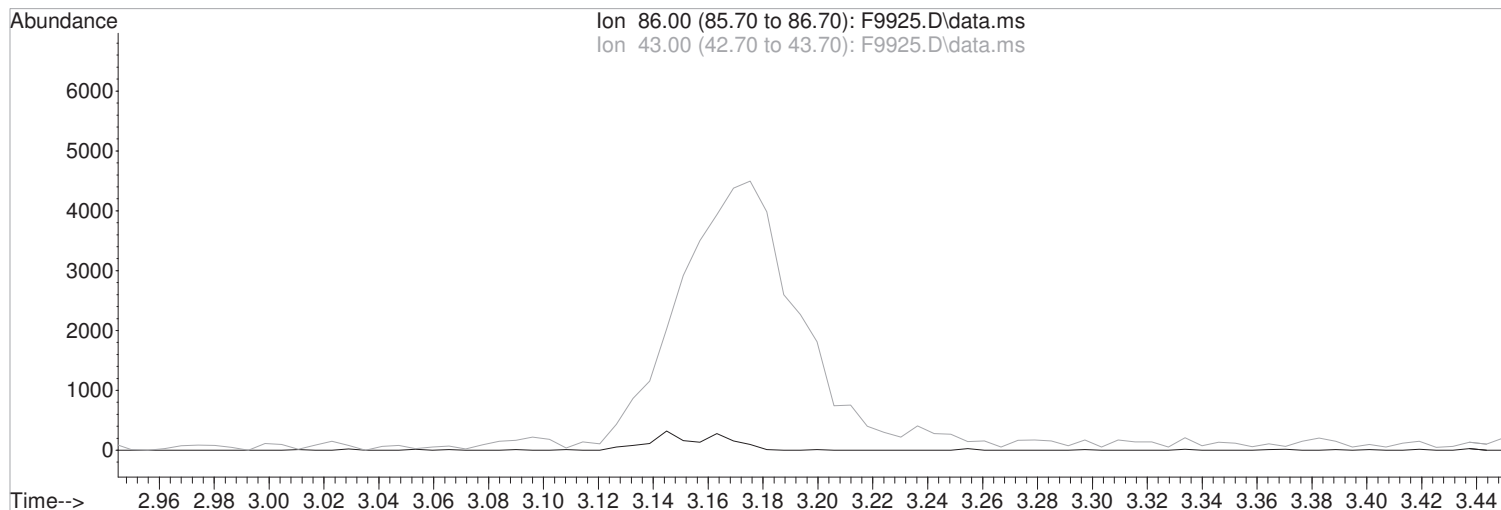
Peak not found.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9925.D
Acq On : 12 Nov 2021 3:02 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:38 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9925.D\data.ms

(28) Vinyl Acetate

Manual Integration:

3.144min (-3.144) 0.00 ug/L

Before

response 0

Ion	Exp%	Act%

11/12/21

86.00	100	0.00

43.00	1102.20	0.00#

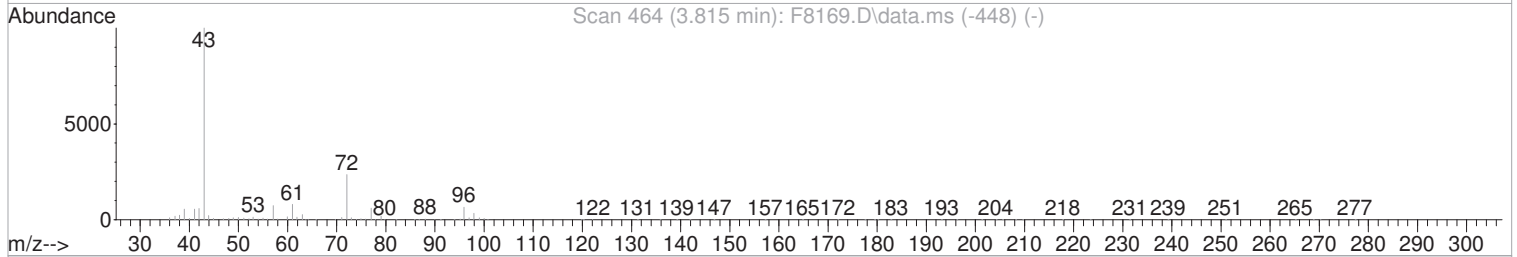
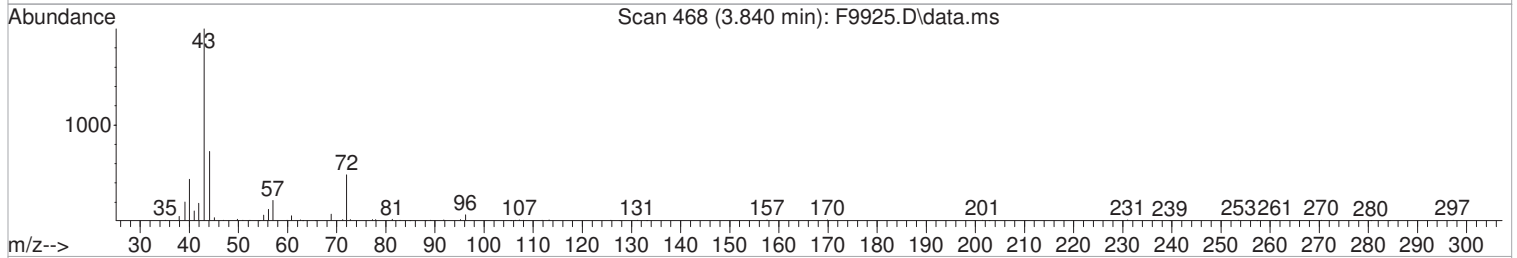
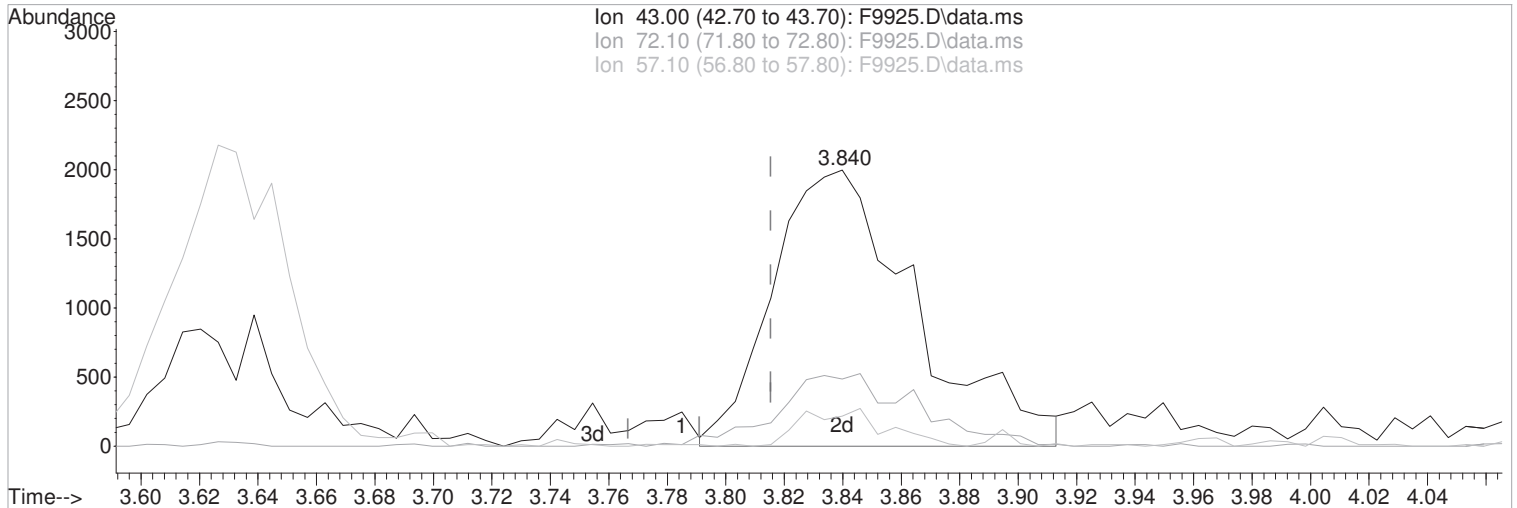
0.00	0.00	0.00

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9925.D
Acq On : 12 Nov 2021 3:02 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:38 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9925.D\data.ms

(34) 2-Butanone (P)

3.840min (+0.024) 1.16 ug/L m

response 6779

Ion	Exp%	Act%
43.00	100	100
72.10	23.50	24.34
57.10	7.60	10.92
0.00	0.00	0.00

Manual Integration:

After

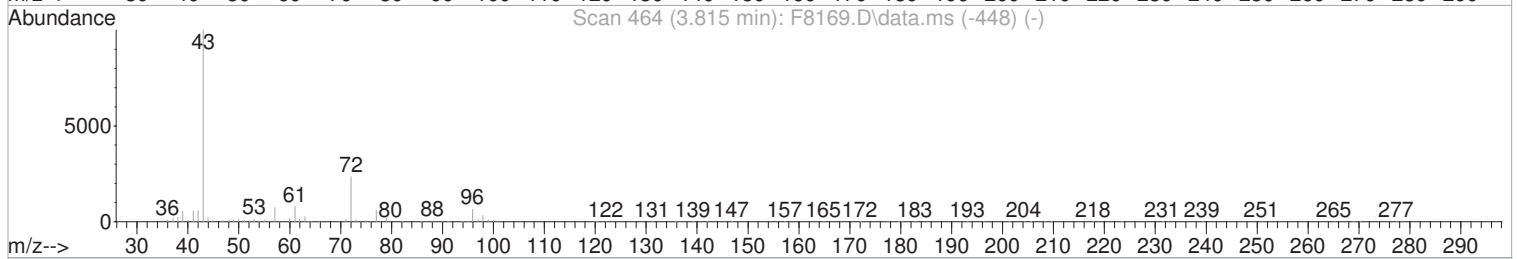
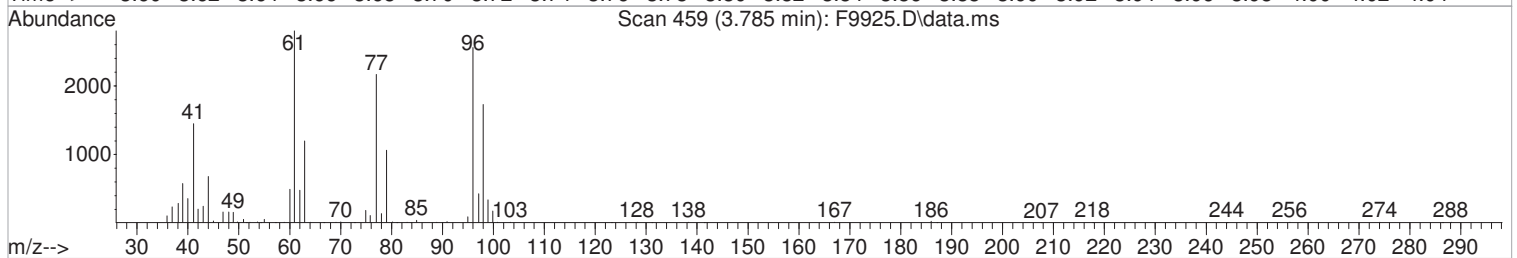
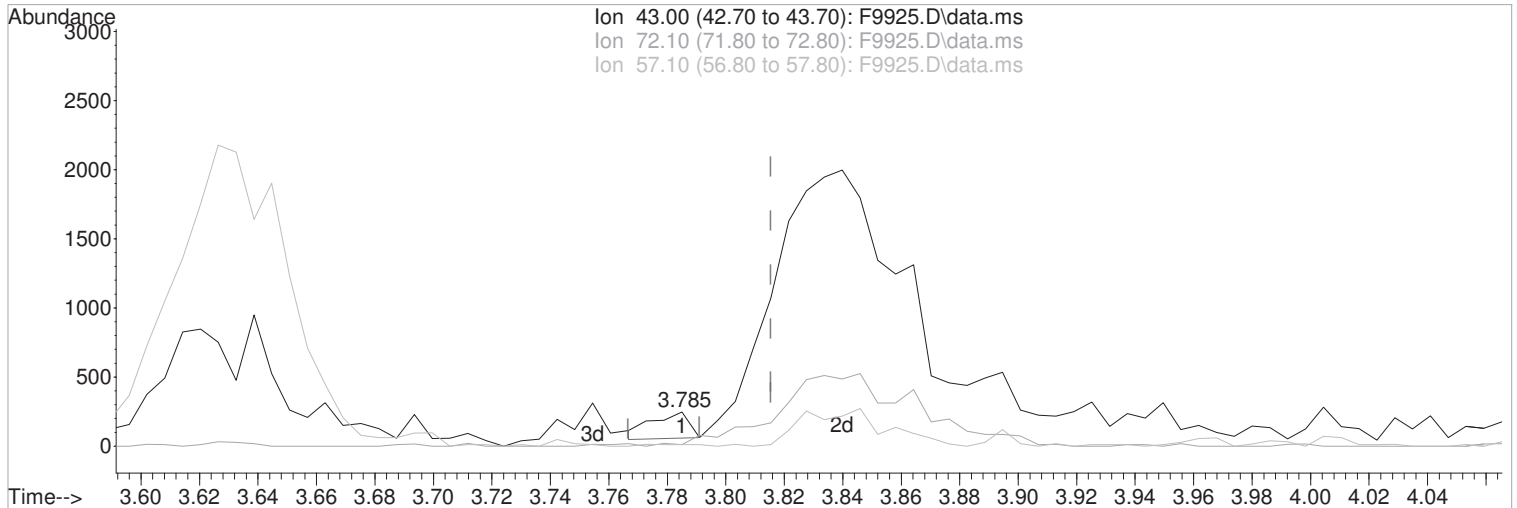
Peak not found.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9925.D
Acq On : 12 Nov 2021 3:02 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:10:38 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9925.D\data.ms

(34) 2-Butanone (P)

Manual Integration:

3.785min (-0.031) 0.03 ug/L

Before

response 166

Ion	Exp%	Act%
43.00	100	100
72.10	23.50	4.45
57.10	7.60	4.86
0.00	0.00	0.00

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9925.D
 Acq On : 12 Nov 2021 3:02 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:12:44 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	563740	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	834555	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.570	117	762764	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	401908	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.529	113	57154	10.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	21.22%#
47) surr1,1,2-dichloroetha...	5.108	65	72115	9.38	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	18.76%#
64) SURR3,Toluene-d8	7.943	98	217321	10.09	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	20.18%#
69) SURR2,BFB	10.723	95	85683	10.21	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	20.42%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	5644	0.83	ug/L	93
3) Chloromethane	1.151	50	5170	0.73	ug/L	93
4) Vinyl Chloride	1.218	62	5600	0.77	ug/L	89
5) Bromomethane	1.407	94	6066	1.05	ug/L #	78
6) Chloroethane	1.480	64	3571	0.73	ug/L	99
7) Freon 21	1.602	67	9038	0.66	ug/L	97
8) Trichlorofluoromethane	1.645	101	7261	0.71	ug/L	95
9) Diethyl Ether	1.846	59	4925	0.85	ug/L	90
10) Freon 123a	1.846	67	5907	0.82	ug/L	92
11) Freon 123	1.889	83	6765	0.86	ug/L	95
12) Acrolein	1.926	56	7289	3.68	ug/L	84
13) 1,1-Dicethene	2.005	96	4797	0.94	ug/L	88
14) Freon 113	2.011	101	4810	0.94	ug/L	90
15) Acetone	2.041	43	6129	1.44	ug/L	92
16) 2-Propanol	2.157	45	13711	17.93	ug/L	92
17) Iodomethane	2.115	142	2756	0.36	ug/L	97
18) Carbon Disulfide	2.169	76	11935	0.99	ug/L	96
19) Acetonitrile	2.261	41	4452	3.76	ug/L	94
20) Allyl Chloride	2.285	76	2831	0.96	ug/L #	81
21) Methyl Acetate	2.310	43	8814	1.10	ug/L	98
22) Methylene Chloride	2.383	84	5789	0.93	ug/L	93
23) TBA	2.499	59	22537	17.97	ug/L	85
24) Acrylonitrile	2.602	53	14339	3.78	ug/L	97
25) Methyl-t-Butyl Ether	2.651	73	19361	0.94	ug/L	99
26) trans-1,2-Dichloroethene	2.639	96	5021	0.93	ug/L	88
27) 1,1-Dicethane	3.066	63	8974	0.84	ug/L	94
28) Vinyl Acetate	3.145	86	518m	0.47	ug/L	
29) DIPE	3.175	45	16649	0.84	ug/L	91
30) 2-Chloro-1,3-Butadiene	3.169	53	7468	0.81	ug/L	86
31) ETBE	3.633	59	16938	0.92	ug/L	90
32) 2,2-Dichloropropane	3.779	77	8239	1.12	ug/L	89
33) cis-1,2-Dichloroethene	3.785	96	5745	0.90	ug/L #	64
34) 2-Butanone	3.840	43	6779m	1.16	ug/L	
35) Propionitrile	3.889	54	7107	4.47	ug/L	90
36) Bromochloromethane	4.114	130	3924	0.98	ug/L #	69
37) Methacrylonitrile	4.114	67	3076	0.81	ug/L	96
38) Tetrahydrofuran	4.206	42	2959	0.86	ug/L	77
39) Chloroform	4.267	83	9598	0.83	ug/L	87
40) 1,1,1-Trichloroethane	4.535	97	7963	0.97	ug/L	88

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9925.D
 Acq On : 12 Nov 2021 3:02 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:12:44 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.492	73	16297	0.93	ug/L	93
43) Cyclohexane	4.626	41	4886	0.86	ug/L	91
45) Carbontetrachloride	4.827	117	6568	1.15	ug/L #	80
46) 1,1-Dichloropropene	4.846	75	6553	0.93	ug/L	97
48) Benzene	5.211	78	19712	0.93	ug/L	98
49) 1,2-Dichloroethane	5.254	62	8411	0.92	ug/L	96
50) Iso-Butyl Alcohol	5.248	43	8819	17.08	ug/L	97
51) n-Heptane	5.791	43	6735	1.02	ug/L	96
52) 1-Butanol	6.364	56	11000	37.73	ug/L	99
53) Trichloroethene	6.297	130	5613	0.95	ug/L	93
54) Methylcyclohexane	6.553	55	6651	0.95	ug/L	88
55) 1,2-Diclpropane	6.595	63	5644	0.94	ug/L	100
56) Dibromomethane	6.760	93	3316	0.85	ug/L #	66
57) 1,4-Dioxane	6.851	88	2664	19.73	ug/L	77
58) Methyl Methacrylate	6.888	69	4752	0.91	ug/L	94
59) Bromodichloromethane	7.016	83	6932	1.02	ug/L	98
60) 2-Nitropropane	7.327	41	3163	1.79	ug/L	93
61) 2-Chloroethylvinyl Ether	7.492	63	3011	0.92	ug/L	93
62) cis-1,3-Dichloropropene	7.620	75	7614	0.98	ug/L	91
63) 4-Methyl-2-pentanone	7.857	43	8000	0.86	ug/L	89
65) Toluene	8.022	91	21187	0.93	ug/L	96
66) trans-1,3-Dichloropropene	8.327	75	7171	1.04	ug/L	91
67) Ethyl Methacrylate	8.504	69	8370	0.96	ug/L	100
68) 1,1,2-Trichloroethane	8.522	97	5748	1.06	ug/L #	81
71) Tetrachloroethene	8.668	164	3928	0.99	ug/L	91
72) 2-Hexanone	8.863	43	5771	0.82	ug/L	97
73) 1,3-Dichloropropane	8.711	76	9438	0.94	ug/L	88
74) Dibromochloromethane	8.955	129	4995	1.10	ug/L	96
75) N-Butyl Acetate	9.052	43	10883	0.82	ug/L	94
76) 1,2-Dibromoethane	9.052	107	5500	0.97	ug/L	97
77) 3-Chlorobenzotrifluoride	9.650	180	8037	1.11	ug/L	97
78) Chlorobenzene	9.601	112	15018	1.04	ug/L	91
79) 4-Chlorobenzotrifluoride	9.711	180	7027	1.10	ug/L	89
80) 1,1,1,2-Tetrachloroethane	9.698	131	5202	1.13	ug/L	93
81) Ethylbenzene	9.741	106	7296	0.98	ug/L #	90
82) (m+p)Xylene	9.863	106	17440	1.86	ug/L #	87
83) o-Xylene	10.247	106	8837	0.96	ug/L	95
84) Styrene	10.259	104	14867	0.95	ug/L	94
85) Bromoform	10.412	173	3510	1.10	ug/L	83
86) 2-Chlorobenzotrifluoride	10.509	180	7319	1.03	ug/L	94
87) Isopropylbenzene	10.601	105	22352	0.99	ug/L	99
88) Cyclohexanone	10.649	55	27191	19.46	ug/L	94
89) trans-1,4-Dichloro-2-B...	10.930	53	1896	1.04	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.875	83	7683	1.04	ug/L	97
92) Bromobenzene	10.845	156	5827	0.95	ug/L #	80
93) 1,2,3-Trichloropropane	10.899	110	3029	1.03	ug/L	97
94) n-Propylbenzene	10.973	91	25363	0.88	ug/L	100
95) 2-Chlorotoluene	11.034	91	16201	0.92	ug/L	96
96) 3-Chlorotoluene	11.088	91	16861	0.92	ug/L	95
97) 4-Chlorotoluene	11.131	91	19025	0.94	ug/L	98
98) 1,3,5-Trimethylbenzene	11.137	105	19725	0.94	ug/L	93
99) tert-Butylbenzene	11.418	119	17262	1.04	ug/L	99
100) 1,2,4-Trimethylbenzene	11.454	105	19229	0.94	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.527	214	5990	1.06	ug/L	95
102) sec-Butylbenzene	11.600	105	22478	0.91	ug/L	96
103) p-Isopropyltoluene	11.735	119	19501	0.92	ug/L	93

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9925.D
 Acq On : 12 Nov 2021 3:02 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:12:44 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.680	146	10985	0.95	ug/L	100
105)	1,4-Dclbenz	11.753	146	12395	0.98	ug/L	87
106)	2,4-Dichlorobenzotrifl...	11.826	214	5890	1.17	ug/L	81
107)	2,5-Dichlorobenzotrifl...	11.863	214	6827	1.17	ug/L	87
108)	n-Butylbenzene	12.076	91	17090	0.88	ug/L	94
109)	1,2-Dclbenz	12.064	146	11922	1.01	ug/L	89
110)	1,2-Dibromo-3-chloropr...	12.698	157	1803	1.07	ug/L	95
111)	Trielution Dichlorotol...	12.826	125	29629	2.89	ug/L	97
112)	1,3,5-Trichlorobenzene	12.875	180	8560	1.04	ug/L	96
113)	Coelution Dichlorotoluene	13.149	125	22142	1.98	ug/L	97
114)	1,2,4-Tcbenzene	13.362	180	8153	1.06	ug/L #	77
115)	Hexachlorobt	13.509	225	4135	1.39	ug/L	85
116)	Naphthalen	13.551	128	26043	0.96	ug/L	98
117)	1,2,3-Tclbenzene	13.740	180	8154	1.07	ug/L	93
118)	2,4,5-Trichlorotoluene	14.332	159	5060	0.92	ug/L	86
119)	2,3,6-Trichlorotoluene	14.417	159	4793m	0.98	ug/L	

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

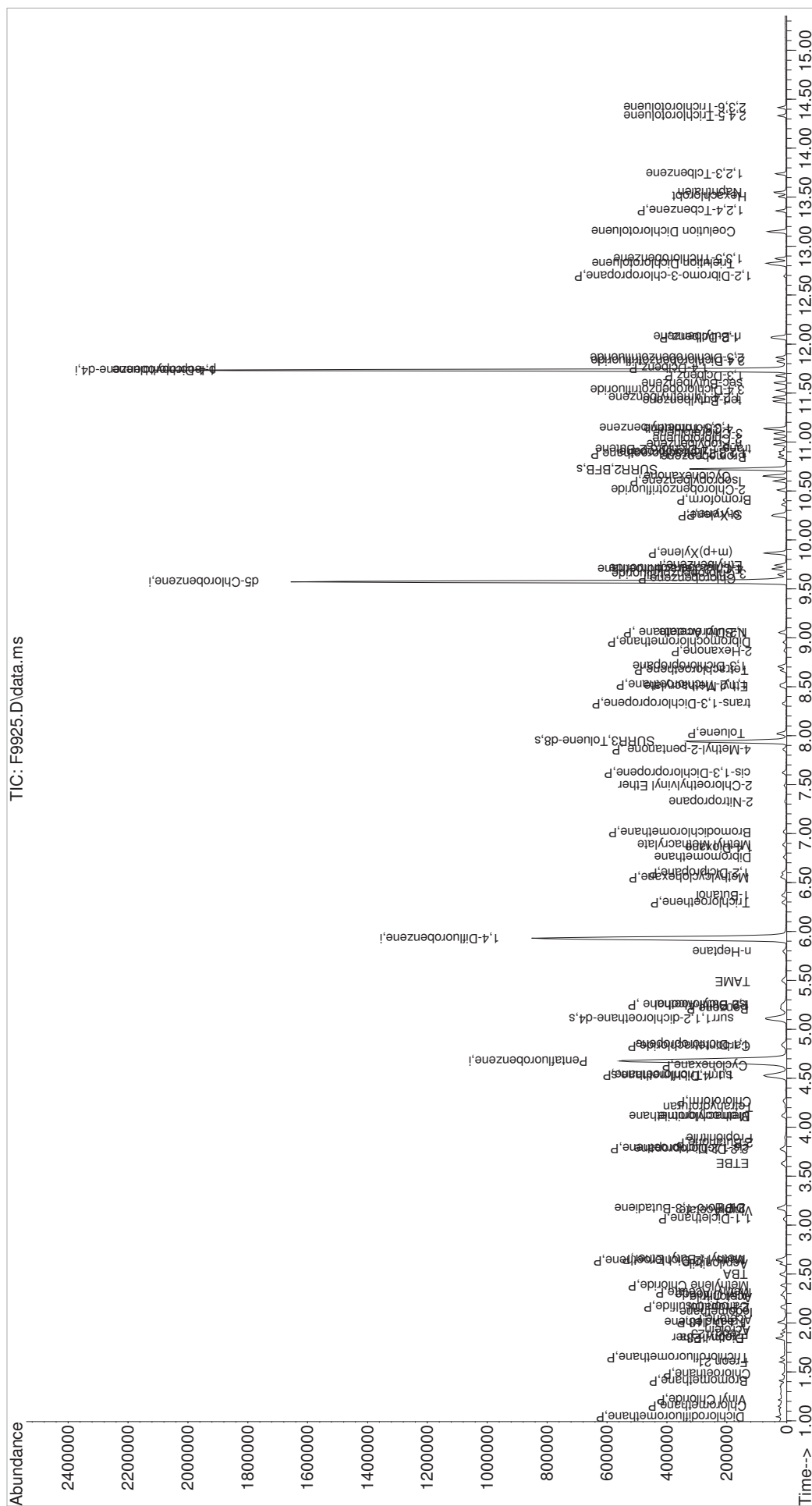
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9925.D
Acq On : 12 Nov 2021 3:02 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

ALS Vial : 3 Sample Multiplier: 1

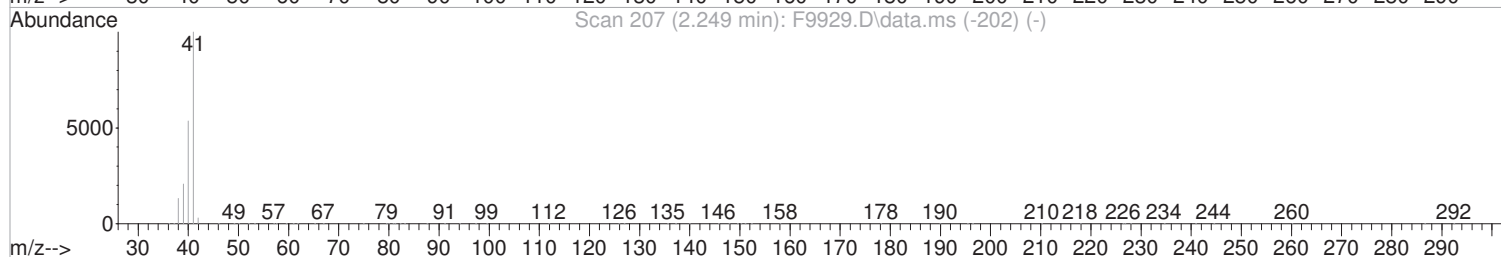
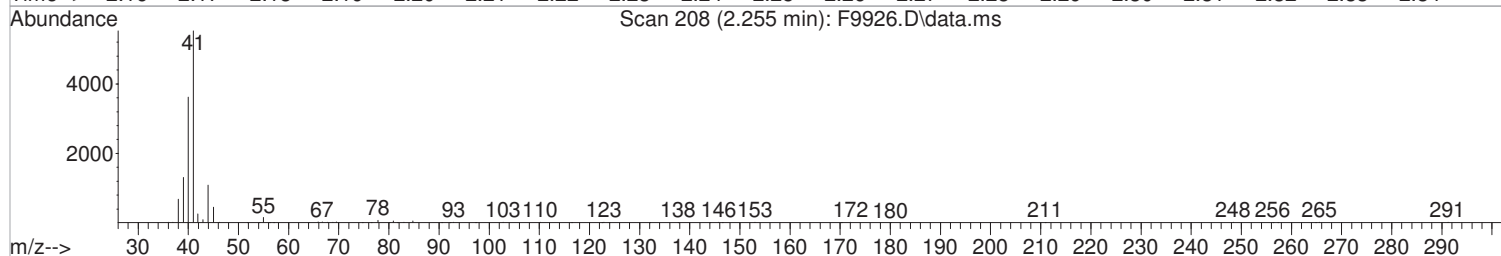
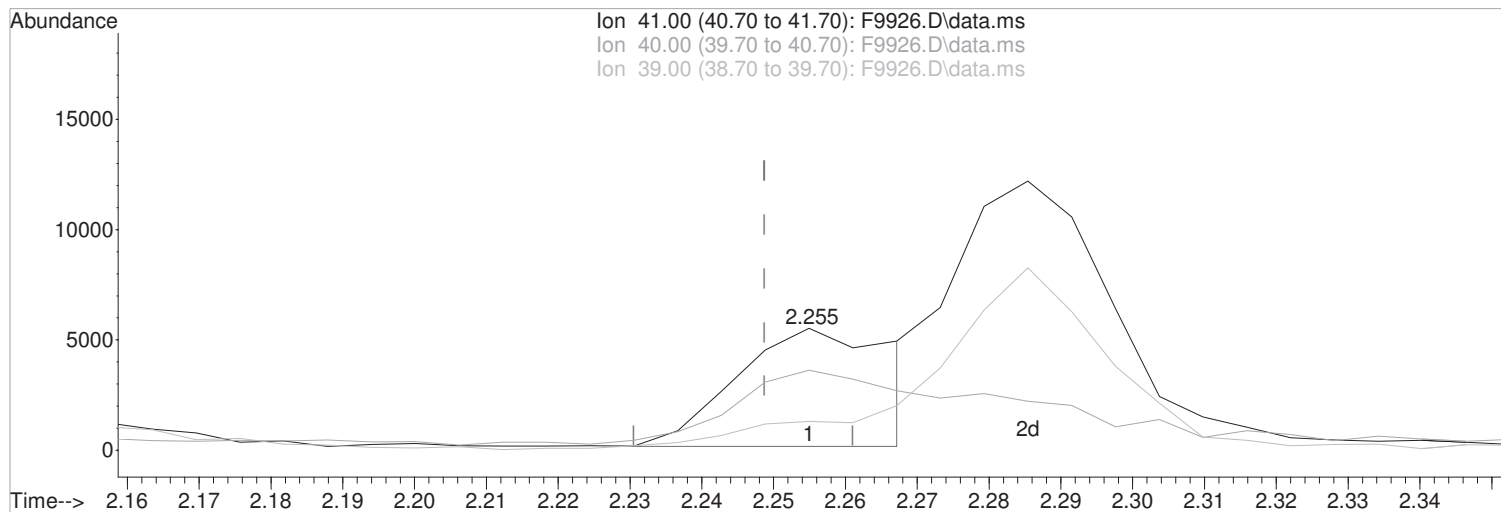
Quant Time: Nov 12 16:12:44 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9926.D
Acq On : 12 Nov 2021 3:25 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:13:21 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9926.D\data.ms

(19) Acetonitrile

2.255min (+0.006) 6.92 ug/L m

response 8106

Ion	Exp%	Act%
41.00	100	100
40.00	54.60	65.57
39.00	20.00	23.64
0.00	0.00	0.00

Manual Integration:

After

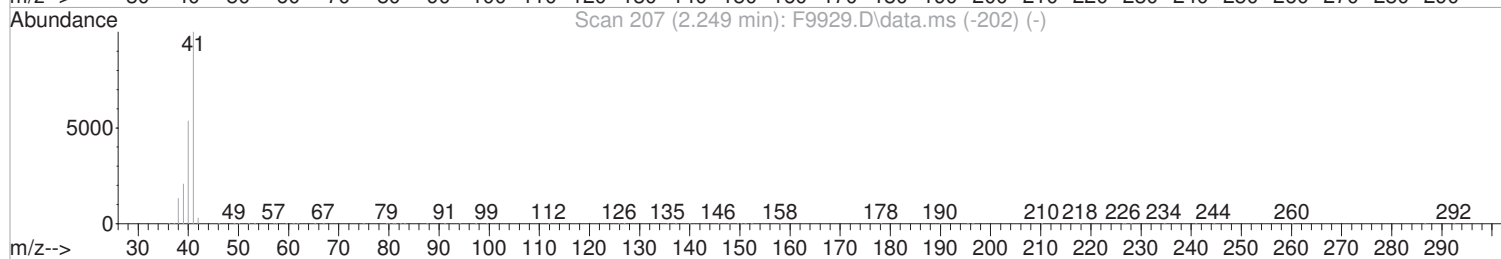
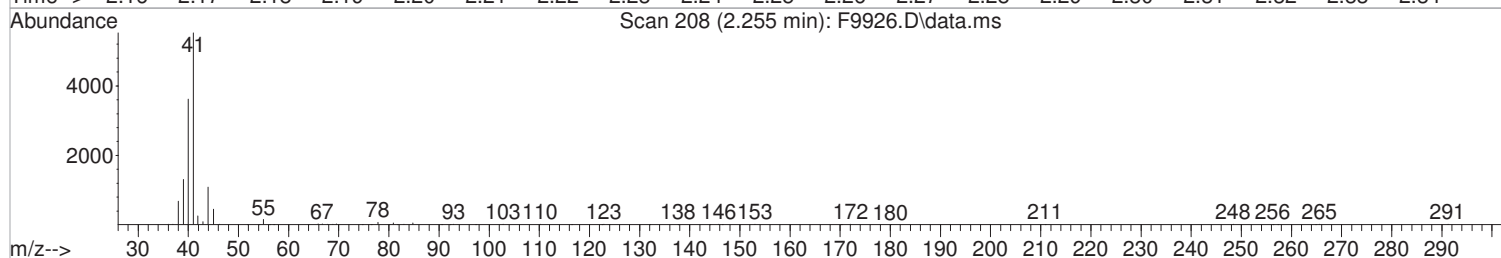
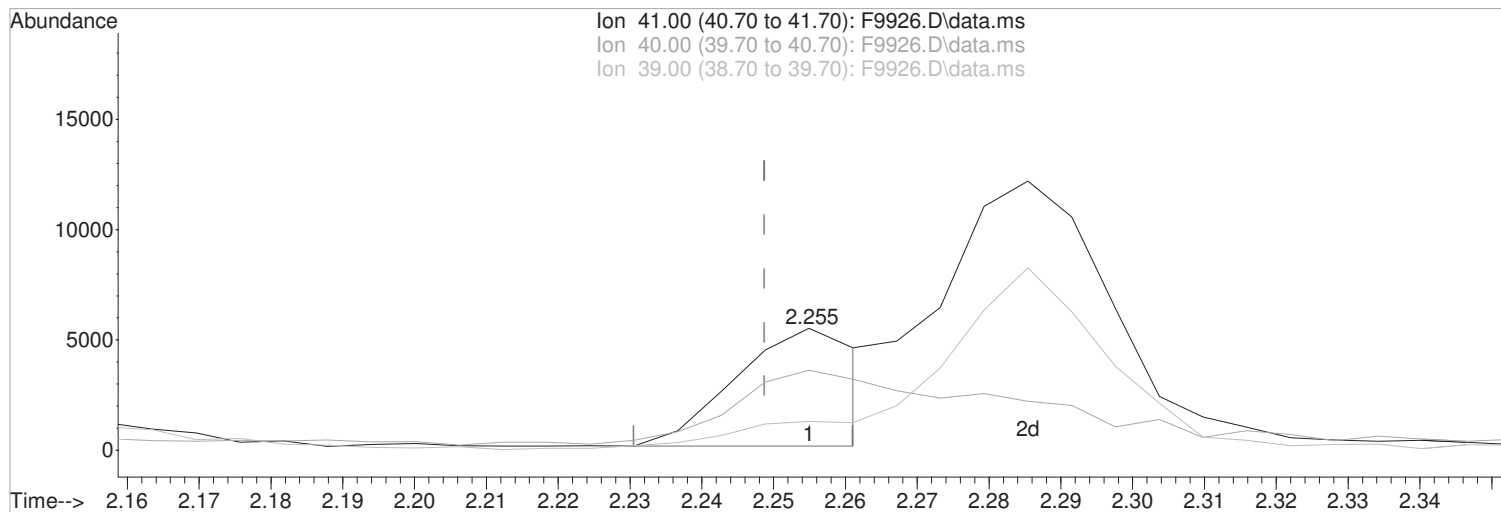
Poor integration.

11/15/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9926.D
Acq On : 12 Nov 2021 3:25 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:13:21 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9926.D\data.ms

(19) Acetonitrile

Manual Integration:

2.255min (+0.006) 5.42 ug/L

Before

response 6353

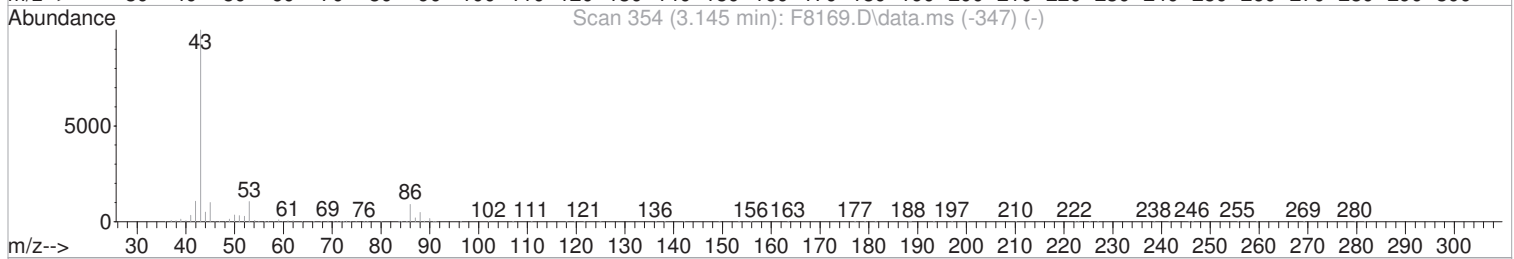
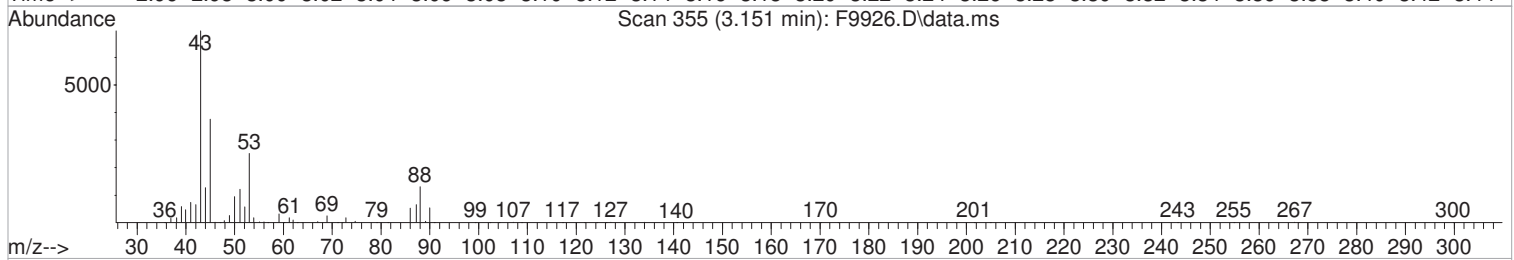
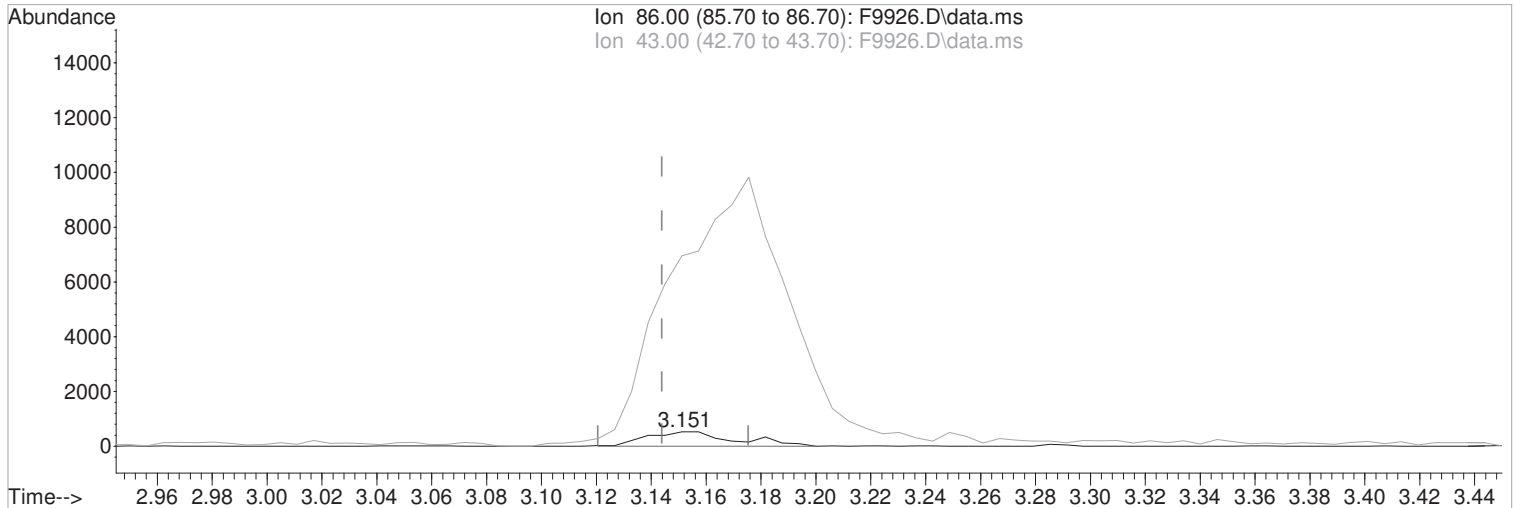
Ion	Exp%	Act%
41.00	100	100
40.00	54.60	65.57
39.00	20.00	23.64
0.00	0.00	0.00

11/15/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9926.D
Acq On : 12 Nov 2021 3:25 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:12:54 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9926.D\data.ms

(28) Vinyl Acetate

3.151min (+0.007) 1.08 ug/L m

response 1194

Ion	Exp%	Act%

86.00	100	100

43.00	1102.20	1312.64#

0.00	0.00	0.00

0.00	0.00	0.00

Manual Integration:

After

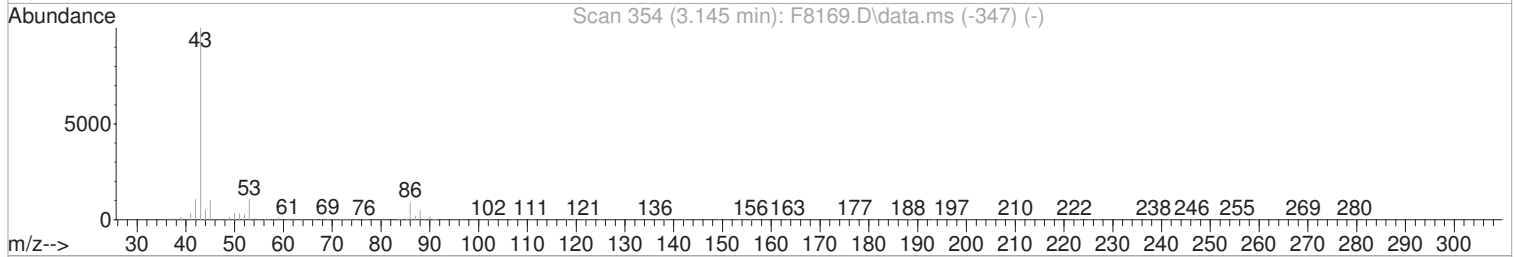
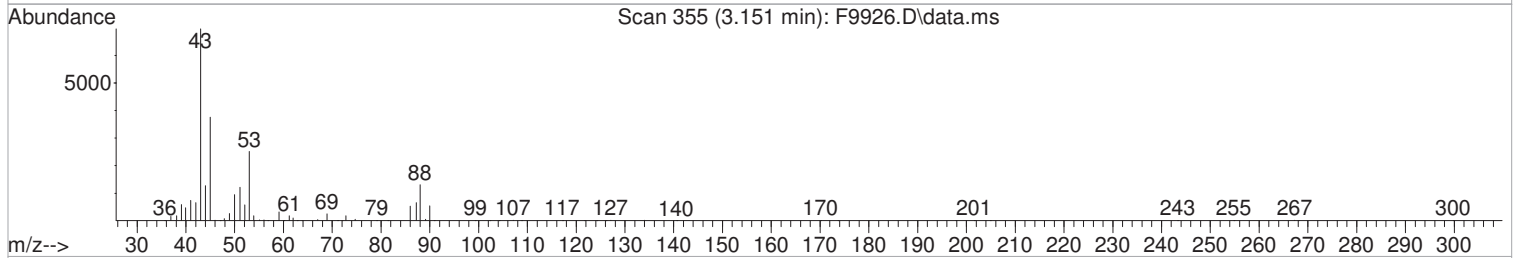
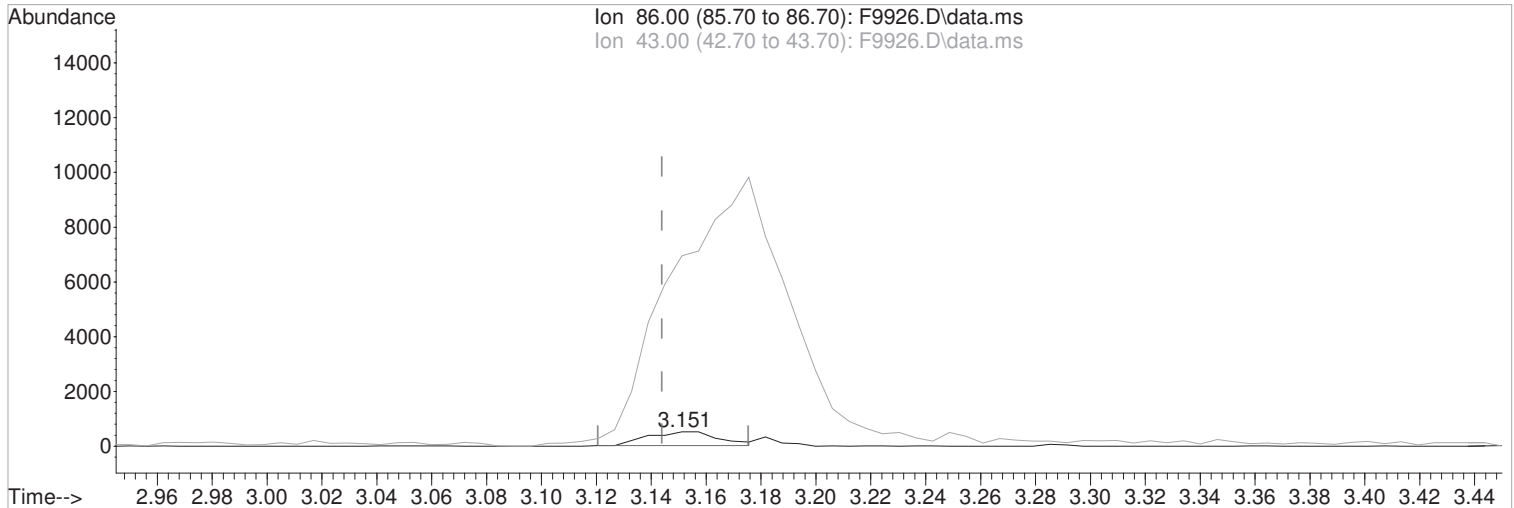
Poor integration.

11/12/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9926.D
Acq On : 12 Nov 2021 3:25 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:12:54 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9926.D\data.ms

(28) Vinyl Acetate

Manual Integration:

3.151min (+0.007) 0.85 ug/L

Before

response 935

Ion	Exp%	Act%

11/12/21

86.00	100	100

43.00	1102.20	1312.64#

0.00	0.00	0.00

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9926.D
 Acq On : 12 Nov 2021 3:25 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:52:11 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	558344	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	835007	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.571	117	761500	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	394692	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	54124	10.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	20.08%#
47) surr1,1,2-dichloroetha...	5.108	65	70969	9.23	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	18.46%#
64) SURR3,Toluene-d8	7.943	98	215100	9.98	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	19.96%#
69) SURR2,BFB	10.723	95	79635	9.48	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	18.96%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	11920	1.78	ug/L	94
3) Chloromethane	1.151	50	11335	1.61	ug/L	99
4) Vinyl Chloride	1.212	62	11094	1.55	ug/L	94
5) Bromomethane	1.408	94	10716	1.88	ug/L	98
6) Chloroethane	1.475	64	7170	1.47	ug/L	95
7) Freon 21	1.603	67	18703	1.39	ug/L	99
8) Trichlorofluoromethane	1.645	101	14483	1.44	ug/L	92
9) Diethyl Ether	1.840	59	9938	1.73	ug/L	97
10) Freon 123a	1.840	67	11569	1.63	ug/L	96
11) Freon 123	1.889	83	13565	1.75	ug/L	97
12) Acrolein	1.926	56	15052	7.68	ug/L	88
13) 1,1-Dicethene	2.005	96	9131	1.81	ug/L	88
14) Freon 113	2.017	101	9417	1.86	ug/L	87
15) Acetone	2.042	43	9682	2.30	ug/L	93
16) 2-Propanol	2.157	45	27846	36.78	ug/L	92
17) Iodomethane	2.121	142	6390	0.83	ug/L	94
18) Carbon Disulfide	2.170	76	25403	2.13	ug/L	99
19) Acetonitrile	2.255	41	8106m	6.92	ug/L	
20) Allyl Chloride	2.285	76	5668	1.93	ug/L #	88
21) Methyl Acetate	2.310	43	16082	2.02	ug/L	95
22) Methylene Chloride	2.389	84	12258	1.98	ug/L #	85
23) TBA	2.499	59	45044	36.26	ug/L	95
24) Acrylonitrile	2.602	53	30260	8.04	ug/L	94
25) Methyl-t-Butyl Ether	2.645	73	36599	1.80	ug/L	97
26) trans-1,2-Dichloroethene	2.639	96	9946	1.86	ug/L	90
27) 1,1-Dicethane	3.060	63	18967	1.80	ug/L	98
28) Vinyl Acetate	3.151	86	1194m	1.08	ug/L	
29) DIPE	3.175	45	33955	1.72	ug/L	89
30) 2-Chloro-1,3-Butadiene	3.169	53	16102	1.77	ug/L	93
31) ETBE	3.627	59	33696	1.85	ug/L	93
32) 2,2-Dichloropropane	3.767	77	16512	2.26	ug/L	94
33) cis-1,2-Dichloroethene	3.779	96	11503	1.82	ug/L #	74
34) 2-Butanone	3.828	43	11035	1.91	ug/L	96
35) Propionitrile	3.889	54	12170	7.73	ug/L	90
36) Bromochloromethane	4.108	130	7376	1.87	ug/L #	86
37) Methacrylonitrile	4.114	67	6383	1.70	ug/L	85
38) Tetrahydrofuran	4.212	42	6182	1.81	ug/L	92
39) Chloroform	4.273	83	19044	1.66	ug/L	92
40) 1,1,1-Trichloroethane	4.541	97	16672	2.04	ug/L	92

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9926.D
 Acq On : 12 Nov 2021 3:25 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:52:11 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.498	73	33597	1.94	ug/L	97
43) Cyclohexane	4.633	41	10047	1.76	ug/L	98
45) Carbontetrachloride	4.834	117	13495	2.37	ug/L	93
46) 1,1-Dichloropropene	4.846	75	13621	1.94	ug/L	94
48) Benzene	5.212	78	41778	1.96	ug/L	98
49) 1,2-Dichloroethane	5.260	62	16137	1.76	ug/L	89
50) Iso-Butyl Alcohol	5.248	43	19027	36.83	ug/L	85
51) n-Heptane	5.791	43	13225	1.99	ug/L	95
52) 1-Butanol	6.364	56	24611	84.38	ug/L	93
53) Trichloroethene	6.297	130	11462	1.95	ug/L	94
54) Methylcyclohexane	6.559	55	13450	1.93	ug/L	91
55) 1,2-Diclpropane	6.596	63	10977	1.83	ug/L	87
56) Dibromomethane	6.766	93	7700	1.97	ug/L	91
57) 1,4-Dioxane	6.839	88	5261	38.94	ug/L #	74
58) Methyl Methacrylate	6.888	69	10299	1.97	ug/L #	86
59) Bromodichloromethane	7.016	83	13366	1.97	ug/L	95
60) 2-Nitropropane	7.333	41	6299	3.57	ug/L	93
61) 2-Chloroethylvinyl Ether	7.486	63	7019	2.15	ug/L	98
62) cis-1,3-Dichloropropene	7.620	75	15448	1.98	ug/L	97
63) 4-Methyl-2-pentanone	7.857	43	15472	1.67	ug/L	93
65) Toluene	8.022	91	45033	1.98	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	14242	2.07	ug/L	92
67) Ethyl Methacrylate	8.498	69	15633	1.80	ug/L	97
68) 1,1,2-Trichloroethane	8.528	97	11039	2.04	ug/L	86
71) Tetrachloroethene	8.668	164	8722	2.19	ug/L	96
72) 2-Hexanone	8.870	43	11891	1.70	ug/L	97
73) 1,3-Dichloropropane	8.705	76	17691	1.77	ug/L	99
74) Dibromochloromethane	8.955	129	10414	2.30	ug/L	93
75) N-Butyl Acetate	9.052	43	22104	1.67	ug/L	94
76) 1,2-Dibromoethane	9.052	107	10943	1.93	ug/L	84
77) 3-Chlorobenzotrifluoride	9.644	180	16783	2.33	ug/L	91
78) Chlorobenzene	9.601	112	29167	2.02	ug/L	99
79) 4-Chlorobenzotrifluoride	9.705	180	14778	2.31	ug/L	94
80) 1,1,1,2-Tetrachloroethane	9.705	131	10216	2.21	ug/L	92
81) Ethylbenzene	9.741	106	15039	2.02	ug/L	97
82) (m+p)Xylene	9.863	106	38544	4.12	ug/L	98
83) o-Xylene	10.241	106	18046	1.96	ug/L	92
84) Styrene	10.259	104	29991	1.93	ug/L	96
85) Bromoform	10.406	173	7077	2.23	ug/L	96
86) 2-Chlorobenzotrifluoride	10.509	180	15778	2.23	ug/L	95
87) Isopropylbenzene	10.601	105	46972	2.08	ug/L	97
88) Cyclohexanone	10.650	55	53480	38.33	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	3761	2.07	ug/L	95
91) 1,1,2,2-Tetrachloroethane	10.875	83	15630	2.16	ug/L	98
92) Bromobenzene	10.845	156	13202	2.20	ug/L	88
93) 1,2,3-Trichloropropane	10.900	110	5511	1.91	ug/L	93
94) n-Propylbenzene	10.973	91	52434	1.86	ug/L	99
95) 2-Chlorotoluene	11.028	91	33172	1.91	ug/L	97
96) 3-Chlorotoluene	11.089	91	34532	1.93	ug/L	97
97) 4-Chlorotoluene	11.131	91	39260	1.98	ug/L	96
98) 1,3,5-Trimethylbenzene	11.137	105	40945	1.99	ug/L	97
99) tert-Butylbenzene	11.418	119	35468	2.17	ug/L	98
100) 1,2,4-Trimethylbenzene	11.454	105	40708	2.02	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.528	214	12895	2.32	ug/L	96
102) sec-Butylbenzene	11.607	105	50976	2.10	ug/L	98
103) p-Isopropyltoluene	11.735	119	43031	2.06	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9926.D
 Acq On : 12 Nov 2021 3:25 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:52:11 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.674	146	22972	2.02	ug/L	98
105)	1,4-Dclbenz	11.753	146	25436	2.05	ug/L	99
106)	2,4-Dichlorobenzotrifl...	11.820	214	11245	2.28	ug/L	95
107)	2,5-Dichlorobenzotrifl...	11.869	214	13555	2.37	ug/L	93
108)	n-Butylbenzene	12.076	91	37537	1.96	ug/L	96
109)	1,2-Dclbenz	12.058	146	23710	2.05	ug/L	90
110)	1,2-Dibromo-3-chloropr...	12.698	157	3686	2.23	ug/L	83
111)	Trielution Dichlorotol...	12.820	125	62957	6.26	ug/L	93
112)	1,3,5-Trichlorobenzene	12.875	180	17102	2.12	ug/L	91
113)	Coelution Dichlorotoluene	13.149	125	44680	4.06	ug/L	95
114)	1,2,4-Tcbenzene	13.363	180	16368	2.17	ug/L	96
115)	Hexachlorobt	13.509	225	7689	2.64	ug/L	91
116)	Naphthalen	13.545	128	53361	2.01	ug/L	96
117)	1,2,3-Tclbenzene	13.741	180	16425	2.19	ug/L	97
118)	2,4,5-Trichlorotoluene	14.332	159	11426	2.12	ug/L	96
119)	2,3,6-Trichlorotoluene	14.411	159	11311	2.37	ug/L	86

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

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9927.D
 Acq On : 12 Nov 2021 3:47 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:14:18 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	567411	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	847502	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.571	117	767336	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	397312	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.529	113	58073	10.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	21.22%#
47) surr1,1,2-dichloroetha...	5.114	65	70937	9.09	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	18.18%#
64) SURR3,Toluene-d8	7.937	98	216957	9.92	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	19.84%#
69) SURR2,BFB	10.723	95	83764	9.82	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	19.64%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.042	85	27689	4.06	ug/L	97
3) Chloromethane	1.152	50	26145	3.66	ug/L	97
4) Vinyl Chloride	1.212	62	27112	3.72	ug/L	96
5) Bromomethane	1.401	94	20782	3.59	ug/L	97
6) Chloroethane	1.475	64	16965	3.42	ug/L	98
7) Freon 21	1.603	67	46559	3.40	ug/L	97
8) Trichlorofluoromethane	1.645	101	37312	3.65	ug/L	97
9) Diethyl Ether	1.840	59	24120	4.14	ug/L	99
10) Freon 123a	1.840	67	28222	3.91	ug/L	94
11) Freon 123	1.889	83	35108	4.45	ug/L	97
12) Acrolein	1.926	56	38597	19.38	ug/L	97
13) 1,1-Dicethene	2.005	96	22753	4.45	ug/L	98
14) Freon 113	2.011	101	23398	4.56	ug/L	100
15) Acetone	2.042	43	19247	4.49	ug/L	90
16) 2-Propanol	2.157	45	70934	92.19	ug/L	94
17) Iodomethane	2.115	142	21101	2.71	ug/L	95
18) Carbon Disulfide	2.170	76	63952	5.28	ug/L	99
19) Acetonitrile	2.255	41	26593	22.33	ug/L	97
20) Allyl Chloride	2.285	76	14419	4.84	ug/L #	86
21) Methyl Acetate	2.310	43	42236	5.22	ug/L	98
22) Methylene Chloride	2.383	84	29245	4.65	ug/L #	87
23) TBA	2.499	59	116788	92.51	ug/L	95
24) Acrylonitrile	2.602	53	80446	21.04	ug/L	97
25) Methyl-t-Butyl Ether	2.645	73	95886	4.64	ug/L	96
26) trans-1,2-Dichloroethene	2.639	96	25285	4.65	ug/L	99
27) 1,1-Dicethane	3.060	63	46183	4.31	ug/L	97
28) Vinyl Acetate	3.139	86	3653	3.26	ug/L #	54
29) DIPE	3.169	45	88661	4.43	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.169	53	39865	4.32	ug/L	98
31) ETBE	3.633	59	87297	4.71	ug/L	97
32) 2,2-Dichloropropane	3.773	77	39450	5.31	ug/L	97
33) cis-1,2-Dichloroethene	3.779	96	29314	4.56	ug/L	89
34) 2-Butanone	3.822	43	25231	4.31	ug/L	99
35) Propionitrile	3.883	54	34046	21.27	ug/L	96
36) Bromochloromethane	4.108	130	18740	4.67	ug/L #	88
37) Methacrylonitrile	4.114	67	15830	4.14	ug/L	96
38) Tetrahydrofuran	4.206	42	14545	4.19	ug/L	94
39) Chloroform	4.267	83	47534	4.07	ug/L	94
40) 1,1,1-Trichloroethane	4.535	97	39355	4.74	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9927.D
 Acq On : 12 Nov 2021 3:47 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:14:18 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.498	73	83545	4.75	ug/L	97
43) Cyclohexane	4.633	41	24808	4.28	ug/L	93
45) Carbontetrachloride	4.828	117	33247	5.75	ug/L	99
46) 1,1-Dichloropropene	4.840	75	33034	4.64	ug/L	98
48) Benzene	5.212	78	104227	4.82	ug/L	98
49) 1,2-Dichloroethane	5.248	62	40070	4.32	ug/L	98
50) Iso-Butyl Alcohol	5.242	43	48299	92.12	ug/L	96
51) n-Heptane	5.791	43	31637	4.70	ug/L	94
52) 1-Butanol	6.358	56	69230	233.86	ug/L	94
53) Trichloroethene	6.297	130	28441	4.76	ug/L	93
54) Methylcyclohexane	6.559	55	33626	4.74	ug/L	97
55) 1,2-Dicloropropane	6.596	63	28167	4.63	ug/L	98
56) Dibromomethane	6.754	93	18766	4.73	ug/L	89
57) 1,4-Dioxane	6.839	88	12917	94.20	ug/L	89
58) Methyl Methacrylate	6.882	69	26522	4.99	ug/L	96
59) Bromodichloromethane	7.016	83	35522	5.15	ug/L	97
60) 2-Nitropropane	7.327	41	18365	10.24	ug/L	100
61) 2-Chloroethylvinyl Ether	7.486	63	18459	5.58	ug/L	88
62) cis-1,3-Dichloropropene	7.620	75	41246	5.22	ug/L	97
63) 4-Methyl-2-pentanone	7.858	43	41393	4.40	ug/L	91
65) Toluene	8.022	91	109500	4.74	ug/L	94
66) trans-1,3-Dichloropropene	8.321	75	39097	5.59	ug/L	97
67) Ethyl Methacrylate	8.498	69	42867	4.86	ug/L	96
68) 1,1,2-Trichloroethane	8.522	97	26778	4.88	ug/L	96
71) Tetrachloroethene	8.662	164	20884	5.21	ug/L	95
72) 2-Hexanone	8.863	43	30844	4.38	ug/L	94
73) 1,3-Dichloropropane	8.705	76	47014	4.66	ug/L	93
74) Dibromochloromethane	8.955	129	26351	5.77	ug/L	97
75) N-Butyl Acetate	9.052	43	60770	4.55	ug/L	97
76) 1,2-Dibromoethane	9.052	107	28918	5.07	ug/L	98
77) 3-Chlorobenzotrifluoride	9.644	180	39807	5.49	ug/L	95
78) Chlorobenzene	9.601	112	75218	5.16	ug/L	93
79) 4-Chlorobenzotrifluoride	9.705	180	36291	5.63	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.699	131	25647	5.52	ug/L	98
81) Ethylbenzene	9.741	106	38369	5.12	ug/L	99
82) (m+p)Xylene	9.863	106	93147	9.89	ug/L	96
83) o-Xylene	10.241	106	47222	5.08	ug/L	92
84) Styrene	10.259	104	77216	4.93	ug/L	98
85) Bromoform	10.406	173	18471	5.78	ug/L	92
86) 2-Chlorobenzotrifluoride	10.509	180	39820	5.60	ug/L	99
87) Isopropylbenzene	10.601	105	114194	5.01	ug/L	99
88) Cyclohexanone	10.650	55	144967	103.12	ug/L	96
89) trans-1,4-Dichloro-2-B...	10.930	53	10951	5.98	ug/L	95
91) 1,1,2,2-Tetrachloroethane	10.875	83	41238	5.65	ug/L	95
92) Bromobenzene	10.845	156	31947	5.28	ug/L #	90
93) 1,2,3-Trichloropropane	10.900	110	14774	5.10	ug/L #	89
94) n-Propylbenzene	10.973	91	133284	4.69	ug/L	99
95) 2-Chlorotoluene	11.028	91	86909	4.98	ug/L	98
96) 3-Chlorotoluene	11.089	91	87326	4.85	ug/L	96
97) 4-Chlorotoluene	11.131	91	97940	4.90	ug/L	97
98) 1,3,5-Trimethylbenzene	11.137	105	102603	4.96	ug/L	96
99) tert-Butylbenzene	11.418	119	86865	5.29	ug/L	99
100) 1,2,4-Trimethylbenzene	11.454	105	103236	5.08	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.528	214	32304	5.78	ug/L	94
102) sec-Butylbenzene	11.601	105	122420	5.02	ug/L	98
103) p-Isopropyltoluene	11.735	119	107154	5.11	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9927.D
 Acq On : 12 Nov 2021 3:47 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 12 16:14:18 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) 1,3-Dclbenz	11.674	146	59038	5.15	ug/L	97
105) 1,4-Dclbenz	11.753	146	61038	4.88	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.820	214	28803	5.81	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.863	214	31589	5.48	ug/L	94
108) n-Butylbenzene	12.076	91	94493	4.90	ug/L	93
109) 1,2-Dclbenz	12.058	146	57465	4.94	ug/L	94
110) 1,2-Dibromo-3-chloropr...	12.692	157	10361	6.24	ug/L	94
111) Trielution Dichlorotol...	12.826	125	159533	15.76	ug/L	96
112) 1,3,5-Trichlorobenzene	12.875	180	44585	5.48	ug/L	98
113) Coelution Dichlorotoluene	13.149	125	118017	10.66	ug/L	95
114) 1,2,4-Tcbenzene	13.363	180	42957	5.66	ug/L	99
115) Hexachlorobt	13.509	225	19282	6.57	ug/L	95
116) Naphthalen	13.545	128	141189	5.28	ug/L	99
117) 1,2,3-Tclbenzene	13.741	180	43772	5.79	ug/L	94
118) 2,4,5-Trichlorotoluene	14.332	159	29901	5.52	ug/L	93
119) 2,3,6-Trichlorotoluene	14.417	159	27337	5.68	ug/L	94

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

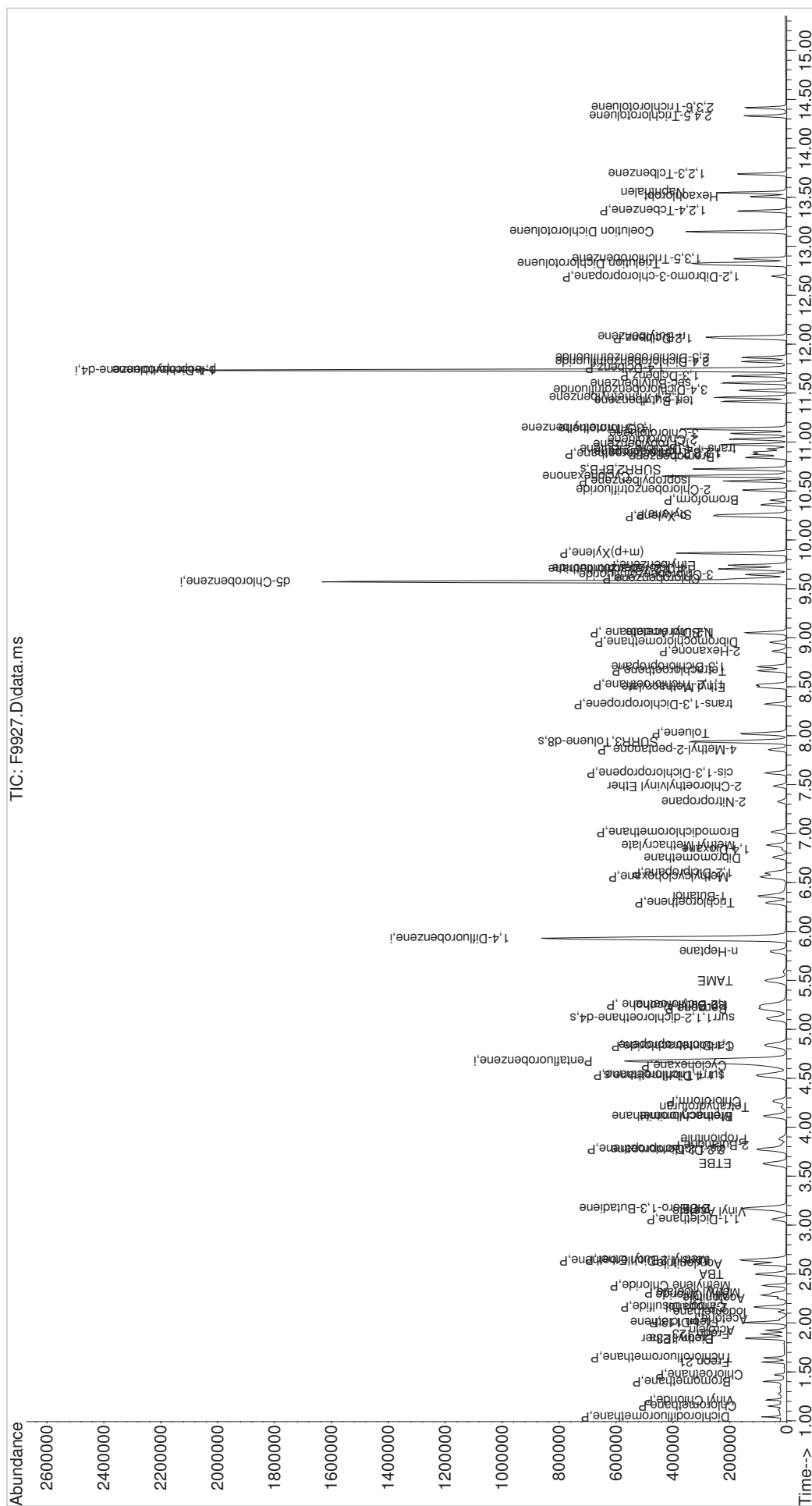
Quantitation Report (QT Reviewed)

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Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9927.D
Acq On : 12 Nov 2021 3:47 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1
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Inst : MSVOA14

ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 16:14:18 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9928.D
 Acq On : 12 Nov 2021 4:10 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:40:56 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.681	168	564519	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	843395	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.570	117	753670	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	393926	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	96950	17.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	35.60%#
47) surr1,1,2-dichloroetha...	5.114	65	121936	15.69	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	31.38%#
64) SURR3,Toluene-d8	7.937	98	370298	17.01	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	34.02%#
69) SURR2,BFB	10.723	95	139588	16.45	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	32.90%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	140211	20.68	ug/L	97
3) Chloromethane	1.151	50	120043	16.91	ug/L	99
4) Vinyl Chloride	1.218	62	123344	17.00	ug/L	100
5) Bromomethane	1.407	94	93002	16.15	ug/L	97
6) Chloroethane	1.474	64	76670	15.56	ug/L	94
7) Freon 21	1.603	67	205284	15.08	ug/L	100
8) Trichlorofluoromethane	1.645	101	162196	15.94	ug/L	98
9) Diethyl Ether	1.846	59	102608	17.70	ug/L	96
10) Freon 123a	1.846	67	124558	17.34	ug/L	83
11) Freon 123	1.889	83	145360	18.53	ug/L	96
12) Acrolein	1.926	56	165985	83.79	ug/L	100
13) 1,1-Dicethene	2.005	96	97581	19.17	ug/L	98
14) Freon 113	2.011	101	100461	19.66	ug/L	96
15) Acetone	2.041	43	76402	17.93	ug/L	97
16) 2-Propanol	2.151	45	322665	421.48	ug/L	92
17) Iodomethane	2.115	142	155414	20.08	ug/L	99
18) Carbon Disulfide	2.169	76	284583	23.64	ug/L	100
19) Acetonitrile	2.249	41	117537	99.22	ug/L	99
20) Allyl Chloride	2.285	76	62702	21.16	ug/L	# 91
21) Methyl Acetate	2.310	43	185855	23.07	ug/L	97
22) Methylene Chloride	2.383	84	115571	18.46	ug/L	94
23) TBA	2.499	59	510798	406.67	ug/L	90
24) Acrylonitrile	2.596	53	351875	92.52	ug/L	99
25) Methyl-t-Butyl Ether	2.651	73	401929	19.56	ug/L	100
26) trans-1,2-Dichloroethene	2.639	96	109306	20.22	ug/L	96
27) 1,1-Dicethane	3.060	63	206641	19.36	ug/L	99
28) Vinyl Acetate	3.145	86	19057	17.11	ug/L	99
29) DIPE	3.175	45	358765	18.01	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.169	53	173374	18.87	ug/L	95
31) ETBE	3.627	59	359628	19.50	ug/L	95
32) 2,2-Dichloropropane	3.773	77	172463	23.35	ug/L	99
33) cis-1,2-Dichloroethene	3.779	96	124694	19.48	ug/L	94
34) 2-Butanone	3.816	43	108399	18.60	ug/L	97
35) Propionitrile	3.876	54	148248	93.08	ug/L	99
36) Bromochloromethane	4.108	130	83580	20.92	ug/L	91
37) Methacrylonitrile	4.114	67	72581	19.07	ug/L	99
38) Tetrahydrofuran	4.200	42	61507	17.79	ug/L	97
39) Chloroform	4.267	83	207992	17.90	ug/L	95
40) 1,1,1-Trichloroethane	4.541	97	171656	20.80	ug/L	94

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9928.D
 Acq On : 12 Nov 2021 4:10 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:40:56 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.498	73	355882	20.32	ug/L	94
43) Cyclohexane	4.632	41	108884	18.88	ug/L	93
45) Carbontetrachloride	4.827	117	145012	25.21	ug/L	98
46) 1,1-Dichloropropene	4.846	75	143394	20.23	ug/L	94
48) Benzene	5.205	78	450203	20.91	ug/L	97
49) 1,2-Dichloroethane	5.248	62	171520	18.57	ug/L	97
50) Iso-Butyl Alcohol	5.242	43	213401	409.00	ug/L	99
51) n-Heptane	5.791	43	139534	20.82	ug/L	96
52) 1-Butanol	6.358	56	339297	1151.72	ug/L	96
53) Trichloroethene	6.291	130	120050	20.17	ug/L	96
54) Methylcyclohexane	6.559	55	143402	20.33	ug/L	91
55) 1,2-Diclpropane	6.602	63	122768	20.29	ug/L	92
56) Dibromomethane	6.754	93	81687	20.67	ug/L	93
57) 1,4-Dioxane	6.839	88	56241	412.15	ug/L	92
58) Methyl Methacrylate	6.882	69	113287	21.43	ug/L	97
59) Bromodichloromethane	7.016	83	155721	22.69	ug/L	98
60) 2-Nitropropane	7.327	41	88551	49.63	ug/L	98
61) 2-Chloroethylvinyl Ether	7.479	63	91807	27.87	ug/L	95
62) cis-1,3-Dichloropropene	7.620	75	187782	23.88	ug/L	96
63) 4-Methyl-2-pentanone	7.851	43	193282	20.65	ug/L	95
65) Toluene	8.016	91	474947	20.67	ug/L	99
66) trans-1,3-Dichloropropene	8.321	75	173213	24.88	ug/L	99
67) Ethyl Methacrylate	8.498	69	196935	22.41	ug/L	91
68) 1,1,2-Trichloroethane	8.522	97	114419	20.95	ug/L	98
71) Tetrachloroethene	8.668	164	92551	23.52	ug/L	99
72) 2-Hexanone	8.857	43	148658	21.49	ug/L	98
73) 1,3-Dichloropropane	8.705	76	203225	20.49	ug/L	92
74) Dibromochloromethane	8.955	129	116918	26.06	ug/L	97
75) N-Butyl Acetate	9.046	43	288180	21.96	ug/L	99
76) 1,2-Dibromoethane	9.052	107	125046	22.33	ug/L	96
77) 3-Chlorobenzotrifluoride	9.644	180	167626	23.53	ug/L	98
78) Chlorobenzene	9.601	112	321414	22.46	ug/L	95
79) 4-Chlorobenzotrifluoride	9.705	180	151160	23.86	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.698	131	114771	25.13	ug/L	98
81) Ethylbenzene	9.741	106	164619	22.35	ug/L	95
82) (m+p)Xylene	9.863	106	416854	45.04	ug/L	96
83) o-Xylene	10.241	106	204870	22.46	ug/L	96
84) Styrene	10.259	104	347278	22.56	ug/L	97
85) Bromoform	10.406	173	88483	28.18	ug/L	98
86) 2-Chlorobenzotrifluoride	10.509	180	162585	23.26	ug/L	96
87) Isopropylbenzene	10.601	105	497286	22.22	ug/L	98
88) Cyclohexanone	10.650	55	619318	448.55	ug/L	98
89) trans-1,4-Dichloro-2-B...	10.924	53	47914	26.63	ug/L	94
91) 1,1,2,2-Tetrachloroethane	10.875	83	176114	24.34	ug/L	99
92) Bromobenzene	10.845	156	133957	22.32	ug/L	89
93) 1,2,3-Trichloropropane	10.899	110	62419	21.72	ug/L	# 89
94) n-Propylbenzene	10.973	91	592092	21.02	ug/L	97
95) 2-Chlorotoluene	11.028	91	370484	21.42	ug/L	99
96) 3-Chlorotoluene	11.088	91	363968	20.37	ug/L	95
97) 4-Chlorotoluene	11.131	91	431497	21.77	ug/L	98
98) 1,3,5-Trimethylbenzene	11.137	105	453899	22.15	ug/L	96
99) tert-Butylbenzene	11.418	119	379289	23.30	ug/L	98
100) 1,2,4-Trimethylbenzene	11.454	105	463767	23.03	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.527	214	131441	23.74	ug/L	98
102) sec-Butylbenzene	11.607	105	545250	22.54	ug/L	99
103) p-Isopropyltoluene	11.735	119	491358	23.62	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9928.D
 Acq On : 12 Nov 2021 4:10 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:40:56 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) 1,3-Dclbenz	11.674	146	259893	22.87	ug/L	98
105) 1,4-Dclbenz	11.753	146	266574	21.48	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.820	214	122459	24.89	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.863	214	137605	24.06	ug/L	97
108) n-Butylbenzene	12.076	91	432376	22.61	ug/L	95
109) 1,2-Dclbenz	12.058	146	257205	22.30	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.692	157	47172	28.65	ug/L	95
111) Trielution Dichlorotol...	12.826	125	681384	67.88	ug/L	97
112) 1,3,5-Trichlorobenzene	12.875	180	189205	23.45	ug/L	97
113) Coelution Dichlorotoluene	13.149	125	501847	45.73	ug/L	96
114) 1,2,4-Tcbenzene	13.362	180	185769	24.69	ug/L	95
115) Hexachlorobt	13.509	225	85702	29.47	ug/L	95
116) Naphthalen	13.545	128	637197	24.02	ug/L	100
117) 1,2,3-Tclbenzene	13.740	180	189210	25.26	ug/L	98
118) 2,4,5-Trichlorotoluene	14.332	159	138799	25.82	ug/L	98
119) 2,3,6-Trichlorotoluene	14.417	159	125264	26.26	ug/L	99

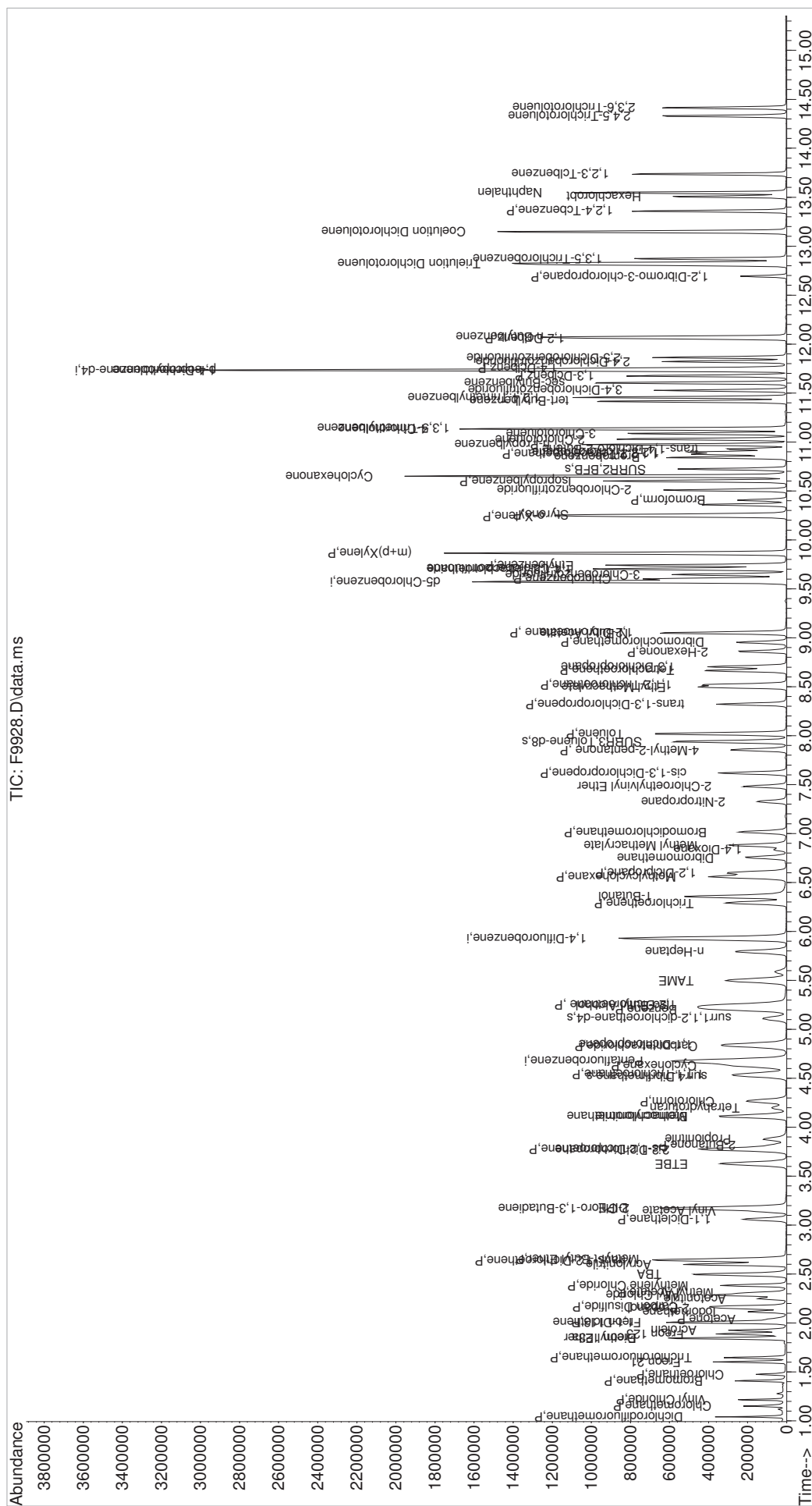
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9928.D
Acq On : 12 Nov 2021 4:10 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1
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Inst : MSVOA14

ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 14:40:56 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9929.D
 Acq On : 12 Nov 2021 4:32 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:41:55 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	566746	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	842414	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.571	117	773163	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	407128	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	270922	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	99.62%
47) surr1,1,2-dichloroetha...	5.108	65	332831	42.89	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	85.78%
64) SURR3,Toluene-d8	7.943	98	1010917	46.50	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	93.00%
69) SURR2,BFB	10.723	95	388169	45.80	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	91.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	339423	49.87	ug/L	96
3) Chloromethane	1.152	50	281823	39.55	ug/L	100
4) Vinyl Chloride	1.212	62	298873	41.04	ug/L	99
5) Bromomethane	1.401	94	189828	32.83	ug/L	100
6) Chloroethane	1.475	64	181443	36.67	ug/L	97
7) Freon 21	1.603	67	486457	35.59	ug/L	99
8) Trichlorofluoromethane	1.645	101	390036	38.19	ug/L	98
9) Diethyl Ether	1.840	59	249206	42.82	ug/L	100
10) Freon 123a	1.840	67	298774	41.43	ug/L	91
11) Freon 123	1.889	83	368521	46.79	ug/L	98
12) Acrolein	1.926	56	378988	190.55	ug/L	97
13) 1,1-Dicethene	2.005	96	241048	47.16	ug/L	95
14) Freon 113	2.011	101	242908	47.35	ug/L	98
15) Acetone	2.042	43	170499	39.86	ug/L	98
16) 2-Propanol	2.157	45	749571	975.28	ug/L	91
17) Iodomethane	2.115	142	398678	51.30	ug/L	96
18) Carbon Disulfide	2.170	76	680227	56.28	ug/L	98
19) Acetonitrile	2.249	41	260499	219.03	ug/L	98
20) Allyl Chloride	2.285	76	152343	51.22	ug/L #	91
21) Methyl Acetate	2.304	43	439047	54.28	ug/L	99
22) Methylene Chloride	2.383	84	278954	44.38	ug/L	92
23) TBA	2.499	59	1239390	982.85	ug/L	89
24) Acrylonitrile	2.596	53	856212	224.24	ug/L	99
25) Methyl-t-Butyl Ether	2.651	73	979667	47.50	ug/L	98
26) trans-1,2-Dichloroethene	2.639	96	261545	48.20	ug/L	95
27) 1,1-Dicethane	3.060	63	493494	46.06	ug/L	100
28) Vinyl Acetate	3.139	86	45621	40.79	ug/L #	81
29) DIPE	3.176	45	902126	45.11	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.169	53	410026	44.46	ug/L	92
31) ETBE	3.627	59	909956	49.14	ug/L	97
32) 2,2-Dichloropropane	3.773	77	418945	56.51	ug/L	99
33) cis-1,2-Dichloroethene	3.779	96	302529	47.07	ug/L	89
34) 2-Butanone	3.816	43	247337	42.26	ug/L	98
35) Propionitrile	3.877	54	367126	229.59	ug/L	99
36) Bromochloromethane	4.108	130	198403	49.47	ug/L	92
37) Methacrylonitrile	4.108	67	177491	46.44	ug/L	100
38) Tetrahydrofuran	4.200	42	141960	40.90	ug/L	97
39) Chloroform	4.267	83	494493	42.39	ug/L	96
40) 1,1,1-Trichloroethane	4.541	97	412136	49.75	ug/L	95

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9929.D
 Acq On : 12 Nov 2021 4:32 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:41:55 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.498	73	890200	50.64	ug/L	97
43) Cyclohexane	4.626	41	256943	44.61	ug/L	88
45) Carbontetrachloride	4.828	117	357701	62.25	ug/L	97
46) 1,1-Dichloropropene	4.846	75	348556	49.22	ug/L	98
48) Benzene	5.206	78	1074507	49.97	ug/L	99
49) 1,2-Dichloroethane	5.248	62	416580	45.15	ug/L	97
50) Iso-Butyl Alcohol	5.248	43	532203	1021.19	ug/L	96
51) n-Heptane	5.791	43	336382	50.26	ug/L	98
52) 1-Butanol	6.364	56	866282	2943.95	ug/L	95
53) Trichloroethene	6.291	130	292376	49.18	ug/L	96
54) Methylcyclohexane	6.559	55	347535	49.32	ug/L	94
55) 1,2-Dicloropropane	6.596	63	290266	48.04	ug/L	100
56) Dibromomethane	6.754	93	199638	50.59	ug/L	92
57) 1,4-Dioxane	6.839	88	130594	958.14	ug/L	89
58) Methyl Methacrylate	6.882	69	287249	54.41	ug/L	95
59) Bromodichloromethane	7.016	83	383281	55.92	ug/L	98
60) 2-Nitropropane	7.327	41	224296	125.85	ug/L	99
61) 2-Chloroethylvinyl Ether	7.480	63	233424	70.95	ug/L	98
62) cis-1,3-Dichloropropene	7.620	75	462564	58.88	ug/L	99
63) 4-Methyl-2-pentanone	7.851	43	449074	48.02	ug/L	94
65) Toluene	8.016	91	1145003	49.89	ug/L	95
66) trans-1,3-Dichloropropene	8.321	75	442548	63.64	ug/L	98
67) Ethyl Methacrylate	8.498	69	491330	55.99	ug/L	93
68) 1,1,2-Trichloroethane	8.522	97	281800	51.66	ug/L	100
71) Tetrachloroethene	8.668	164	220179	54.53	ug/L	96
72) 2-Hexanone	8.857	43	348811	49.15	ug/L	94
73) 1,3-Dichloropropane	8.705	76	500534	49.19	ug/L	93
74) Dibromochloromethane	8.955	129	298370	64.83	ug/L	98
75) N-Butyl Acetate	9.046	43	679973	50.51	ug/L	98
76) 1,2-Dibromoethane	9.052	107	310888	54.11	ug/L	98
77) 3-Chlorobenzotrifluoride	9.644	180	429550	58.77	ug/L	97
78) Chlorobenzene	9.601	112	765653	52.16	ug/L	95
79) 4-Chlorobenzotrifluoride	9.705	180	385349	59.28	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.699	131	280773	59.94	ug/L	99
81) Ethylbenzene	9.741	106	401144	53.10	ug/L	96
82) (m+p) Xylene	9.863	106	988449	104.12	ug/L	98
83) o-Xylene	10.241	106	487170	52.06	ug/L	94
84) Styrene	10.260	104	847081	53.65	ug/L	95
85) Bromoform	10.406	173	230668	71.62	ug/L	100
86) 2-Chlorobenzotrifluoride	10.509	180	421014	58.72	ug/L	94
87) Isopropylbenzene	10.601	105	1186670	51.70	ug/L	99
88) Cyclohexanone	10.650	55	1472643	1039.68	ug/L	98
89) trans-1,4-Dichloro-2-B...	10.924	53	125212	67.84	ug/L	86
91) 1,1,2,2-Tetrachloroethane	10.875	83	437536	58.50	ug/L	98
92) Bromobenzene	10.845	156	328260	52.92	ug/L	90
93) 1,2,3-Trichloropropane	10.900	110	149231	50.24	ug/L	91
94) n-Propylbenzene	10.973	91	1407159	48.33	ug/L	97
95) 2-Chlorotoluene	11.028	91	880076	49.23	ug/L	99
96) 3-Chlorotoluene	11.089	91	916811	49.65	ug/L	95
97) 4-Chlorotoluene	11.131	91	1012501	49.44	ug/L	97
98) 1,3,5-Trimethylbenzene	11.137	105	1082222	51.11	ug/L	95
99) tert-Butylbenzene	11.418	119	896836	53.31	ug/L	99
100) 1,2,4-Trimethylbenzene	11.454	105	1082135	51.99	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.528	214	339409	59.31	ug/L	98
102) sec-Butylbenzene	11.607	105	1302649	52.11	ug/L	98
103) p-Isopropyltoluene	11.735	119	1162939	54.08	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9929.D
 Acq On : 12 Nov 2021 4:32 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:41:55 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

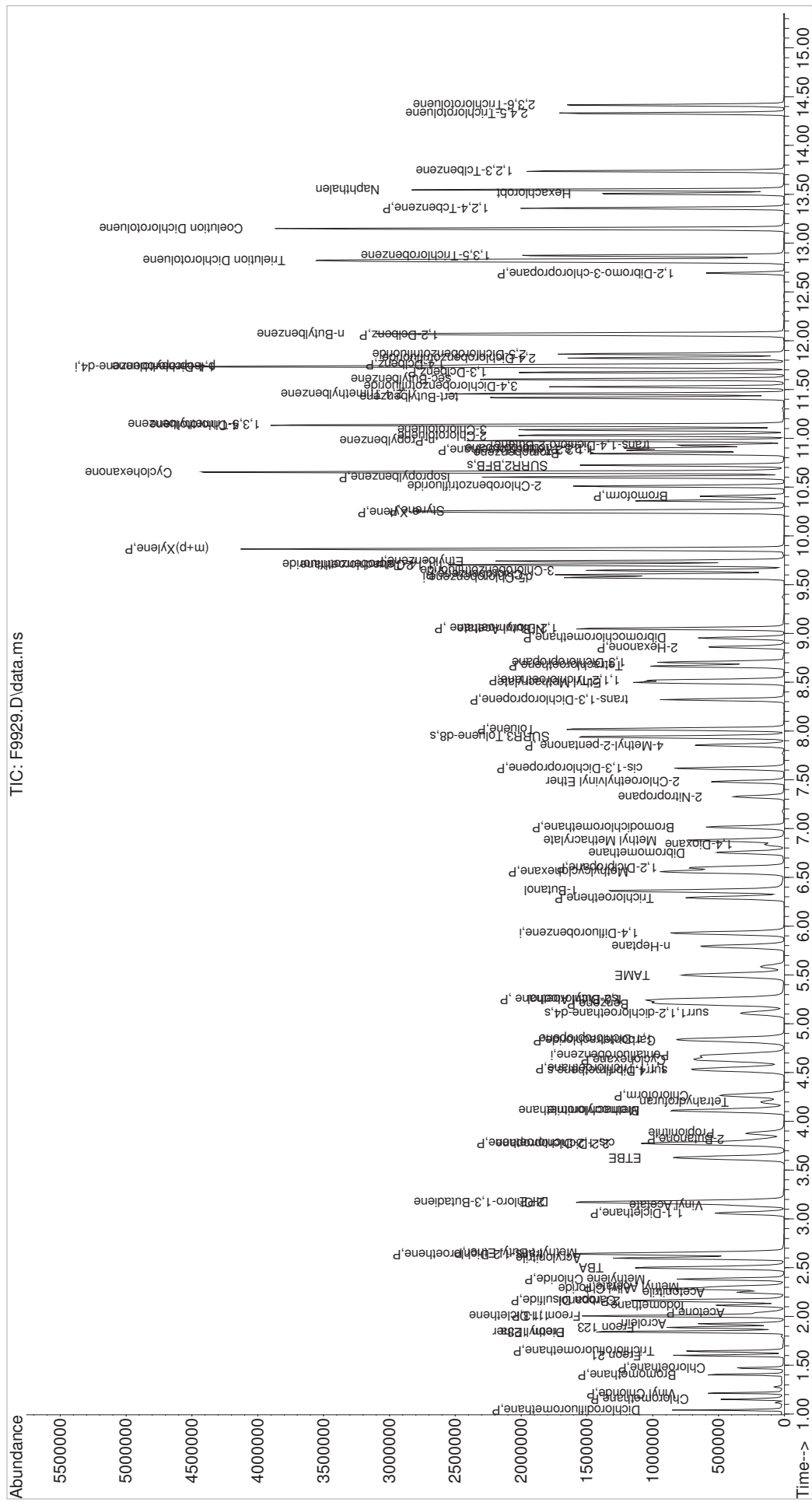
	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.674	146	624530	53.19	ug/L	98
105)	1,4-Dclbenz	11.753	146	640823	49.95	ug/L	99
106)	2,4-Dichlorobenzotrifl...	11.820	214	311485	61.27	ug/L	99
107)	2,5-Dichlorobenzotrifl...	11.863	214	350894	59.37	ug/L	99
108)	n-Butylbenzene	12.070	91	1049329	53.10	ug/L	99
109)	1,2-Dclbenz	12.058	146	624879	52.41	ug/L	99
110)	1,2-Dibromo-3-chloropr...	12.692	157	120250	70.66	ug/L	94
111)	Trielution Dichlorotol...	12.826	125	1742627	167.97	ug/L	96
112)	1,3,5-Trichlorobenzene	12.875	180	477062	57.22	ug/L	96
113)	Coelution Dichlorotoluene	13.149	125	1281423	112.99	ug/L	95
114)	1,2,4-Tcbenzene	13.356	180	459865	59.14	ug/L	97
115)	Hexachlorobt	13.509	225	214207	71.26	ug/L	99
116)	Naphthalen	13.545	128	1598783	58.32	ug/L	100
117)	1,2,3-Tclbenzene	13.741	180	468057	60.47	ug/L	96
118)	2,4,5-Trichlorotoluene	14.332	159	363622	65.45	ug/L	100
119)	2,3,6-Trichlorotoluene	14.417	159	323195	65.56	ug/L	99

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

QT Reviewed)

Inst : MSVOA14

Quant Time: Nov 15 14:41:55 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9930.D
 Acq On : 12 Nov 2021 4:54 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:42:50 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	570393	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	854058	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.570	117	780089	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	409472	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	534157	96.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	193.72%#
47) surr1,1,2-dichloroetha...	5.108	65	665384	84.58	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	169.16%#
64) SURR3,Toluene-d8	7.943	98	2038952	92.51	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	185.02%#
69) SURR2,BFB	10.723	95	790838	92.04	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	184.08%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	676939	98.82	ug/L	97
3) Chloromethane	1.151	50	571872	79.74	ug/L	99
4) Vinyl Chloride	1.212	62	587372	80.14	ug/L	98
5) Bromomethane	1.401	94	254540	43.74	ug/L	98
6) Chloroethane	1.468	64	355715	71.43	ug/L	99
7) Freon 21	1.596	67	889073	64.63	ug/L	98
8) Trichlorofluoromethane	1.639	101	767737	74.69	ug/L	98
9) Diethyl Ether	1.840	59	496469	84.76	ug/L	99
10) Freon 123a	1.840	67	546162	75.25	ug/L	89
11) Freon 123	1.889	83	650835	82.11	ug/L	97
12) Acrolein	1.926	56	733412	366.40	ug/L	96
13) 1,1-Dicethene	1.999	96	477697	92.87	ug/L	98
14) Freon 113	2.005	101	474689	91.94	ug/L	96
15) Acetone	2.041	43	329213	76.46	ug/L	95
16) 2-Propanol	2.169	45	1497625	1936.13	ug/L	92
17) Iodomethane	2.115	142	646050	82.59	ug/L	96
18) Carbon Disulfide	2.163	76	946167	77.78	ug/L	99
19) Acetonitrile	2.249	41	510926	426.85	ug/L	100
20) Allyl Chloride	2.285	76	308725	103.13	ug/L	# 88
21) Methyl Acetate	2.304	43	869415	106.79	ug/L	100
22) Methylene Chloride	2.383	84	550748	87.07	ug/L	93
23) TBA	2.511	59	2481955	1955.63	ug/L	88
24) Acrylonitrile	2.602	53	1720970	447.84	ug/L	98
25) Methyl-t-Butyl Ether	2.651	73	1937366	93.33	ug/L	97
26) trans-1,2-Dichloroethene	2.639	96	516499	94.57	ug/L	94
27) 1,1-Dicethane	3.060	63	975747	90.49	ug/L	98
28) Vinyl Acetate	3.139	86	88740	78.83	ug/L	# 84
29) DIPE	3.175	45	1653807	82.18	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.163	53	562344	60.59	ug/L	97
31) ETBE	3.626	59	1714244	91.98	ug/L	97
32) 2,2-Dichloropropane	3.773	77	815947	109.35	ug/L	98
33) cis-1,2-Dichloroethene	3.773	96	593476	91.75	ug/L	92
34) 2-Butanone	3.815	43	480921	81.65	ug/L	98
35) Propionitrile	3.876	54	726854	451.65	ug/L	99
36) Bromochloromethane	4.114	130	397597	98.50	ug/L	# 87
37) Methacrylonitrile	4.114	67	353288	91.85	ug/L	97
38) Tetrahydrofuran	4.200	42	289913	82.99	ug/L	93
39) Chloroform	4.267	83	981450	83.60	ug/L	97
40) 1,1,1-Trichloroethane	4.535	97	822711	98.67	ug/L	94

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9930.D
 Acq On : 12 Nov 2021 4:54 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:42:50 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.498	73	1710676	96.68	ug/L	97
43) Cyclohexane	4.632	41	470655	80.61	ug/L	91
45) Carbontetrachloride	4.827	117	713390	122.46	ug/L	98
46) 1,1-Dichloropropene	4.840	75	697288	97.12	ug/L	97
48) Benzene	5.205	78	2143332	98.32	ug/L	97
49) 1,2-Dichloroethane	5.248	62	827311	88.43	ug/L	98
50) Iso-Butyl Alcohol	5.266	43	1092508	2067.72	ug/L	96
51) n-Heptane	5.791	43	645900	95.19	ug/L	100
52) 1-Butanol	6.376	56	1764226	5913.76	ug/L	96
53) Trichloroethene	6.291	130	579024	96.08	ug/L	97
54) Methylcyclohexane	6.559	55	637761	89.27	ug/L	94
55) 1,2-Dicloropropane	6.601	63	590230	96.35	ug/L	98
56) Dibromomethane	6.754	93	400026	99.98	ug/L	91
57) 1,4-Dioxane	6.839	88	263616	1907.72	ug/L	93
58) Methyl Methacrylate	6.882	69	576317	107.68	ug/L	92
59) Bromodichloromethane	7.016	83	782747	112.64	ug/L	98
60) 2-Nitropropane	7.327	41	464056	256.84	ug/L	98
61) 2-Chloroethylvinyl Ether	7.479	63	464693	139.32	ug/L	96
62) cis-1,3-Dichloropropene	7.620	75	935400	117.45	ug/L	98
63) 4-Methyl-2-pentanone	7.857	43	898517	94.78	ug/L	95
65) Toluene	8.022	91	2268113	97.48	ug/L	98
66) trans-1,3-Dichloropropene	8.321	75	903690	128.18	ug/L	99
67) Ethyl Methacrylate	8.497	69	992348	111.54	ug/L	90
68) 1,1,2-Trichloroethane	8.522	97	555880	100.51	ug/L	98
71) Tetrachloroethene	8.668	164	433501	106.42	ug/L	96
72) 2-Hexanone	8.863	43	691411	96.56	ug/L	92
73) 1,3-Dichloropropane	8.705	76	996318	97.05	ug/L	92
74) Dibromochloromethane	8.955	129	626107	134.84	ug/L	99
75) N-Butyl Acetate	9.046	43	1361287	100.23	ug/L	98
76) 1,2-Dibromoethane	9.052	107	627598	108.25	ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	723695	98.13	ug/L	95
78) Chlorobenzene	9.601	112	1526364	103.06	ug/L	97
79) 4-Chlorobenzotrifluoride	9.705	180	649782	99.08	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.698	131	571493	120.91	ug/L	98
81) Ethylbenzene	9.741	106	789197	103.54	ug/L	98
82) (m+p) Xylene	9.863	106	1964974	205.14	ug/L	98
83) o-Xylene	10.241	106	964224	102.12	ug/L	98
84) Styrene	10.259	104	1703047	106.91	ug/L	96
85) Bromoform	10.406	173	481195	148.08	ug/L	96
86) 2-Chlorobenzotrifluoride	10.509	180	725192	100.24	ug/L	96
87) Isopropylbenzene	10.601	105	2341591	101.10	ug/L	100
88) Cyclohexanone	10.656	55	2827736	1978.65	ug/L	95
89) trans-1,4-Dichloro-2-B...	10.930	53	261701	140.52	ug/L	78
91) 1,1,2,2-Tetrachloroethane	10.875	83	884279	117.56	ug/L	99
92) Bromobenzene	10.845	156	659403	105.69	ug/L	90
93) 1,2,3-Trichloropropane	10.899	110	297020	99.42	ug/L	94
94) n-Propylbenzene	10.973	91	2803506	95.74	ug/L	99
95) 2-Chlorotoluene	11.034	91	1752053	97.45	ug/L	97
96) 3-Chlorotoluene	11.088	91	1658464	89.29	ug/L	95
97) 4-Chlorotoluene	11.131	91	2024778	98.29	ug/L	97
98) 1,3,5-Trimethylbenzene	11.137	105	2144079	100.67	ug/L	97
99) tert-Butylbenzene	11.418	119	1759293	103.97	ug/L	99
100) 1,2,4-Trimethylbenzene	11.460	105	2160412	103.20	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.527	214	597680	103.84	ug/L	99
102) sec-Butylbenzene	11.607	105	2556352	101.69	ug/L	98
103) p-Isopropyltoluene	11.735	119	2259185	104.46	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9930.D
 Acq On : 12 Nov 2021 4:54 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:42:50 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.680	146	1232032	104.32	ug/L	97
105)	1,4-Dclbenz	11.753	146	1277673	99.03	ug/L	99
106)	2,4-Dichlorobenzotrifl...	11.826	214	548000	107.17	ug/L	98
107)	2,5-Dichlorobenzotrifl...	11.869	214	625241	105.18	ug/L	98
108)	n-Butylbenzene	12.076	91	2043745	102.83	ug/L	97
109)	1,2-Dclbenz	12.058	146	1255331	104.69	ug/L	99
110)	1,2-Dibromo-3-chloropr...	12.698	157	258559	151.07	ug/L	92
111)	Trielution Dichlorotol...	12.826	125	3238483	310.37	ug/L	96
112)	1,3,5-Trichlorobenzene	12.875	180	898403	107.13	ug/L	97
113)	Coelution Dichlorotoluene	13.149	125	2438350	213.77	ug/L	97
114)	1,2,4-Tcbenzene	13.362	180	913699	116.82	ug/L	97
115)	Hexachlorobt	13.509	225	404590	133.83	ug/L	99
116)	Naphthalen	13.545	128	3232996	117.25	ug/L	99
117)	1,2,3-Tclbenzene	13.740	180	923572	118.63	ug/L	97
118)	2,4,5-Trichlorotoluene	14.332	159	672699	120.39	ug/L	99
119)	2,3,6-Trichlorotoluene	14.417	159	600282	121.06	ug/L	100

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

Quantitation Report (QT Reviewed)

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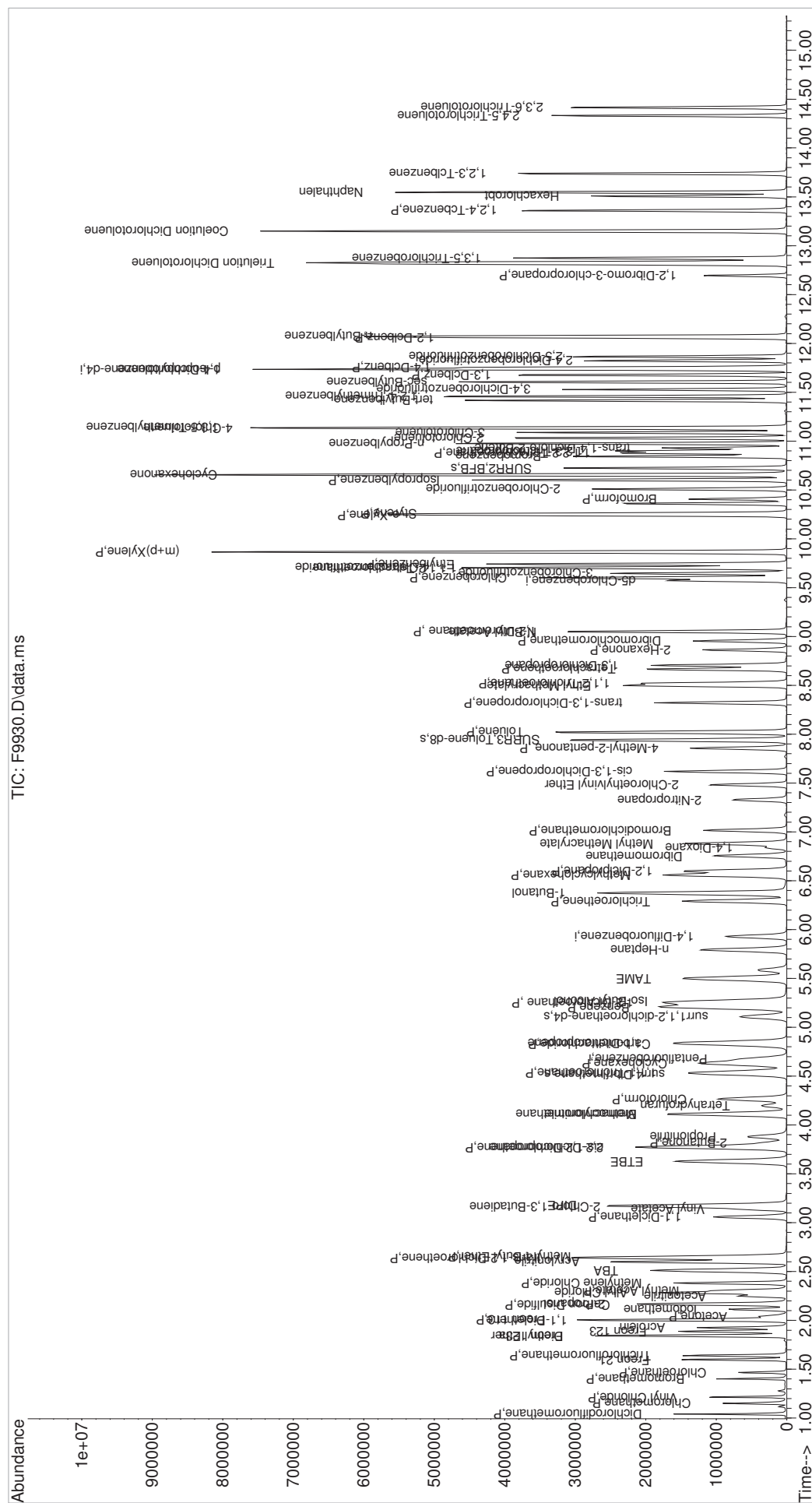
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Data File : F9930.D
Acq On : 12 Nov 2021 4:54 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

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Inst : MSVOA14

ALS Vial : 8 Sample Multiplier: 1

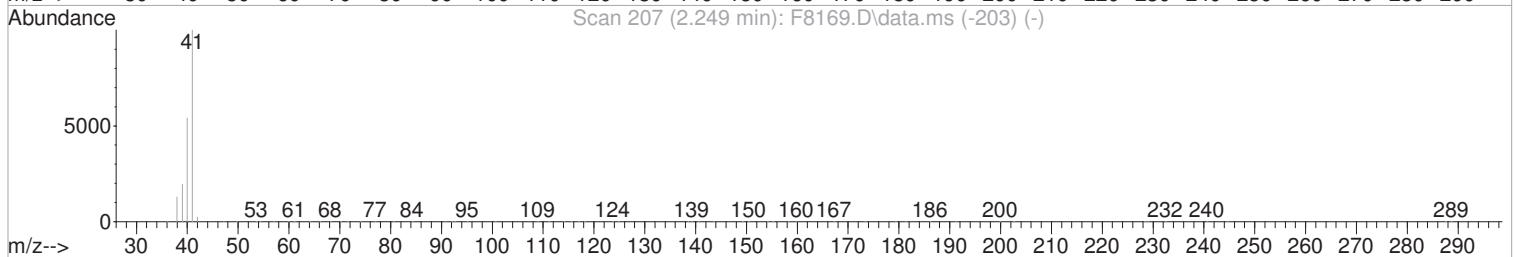
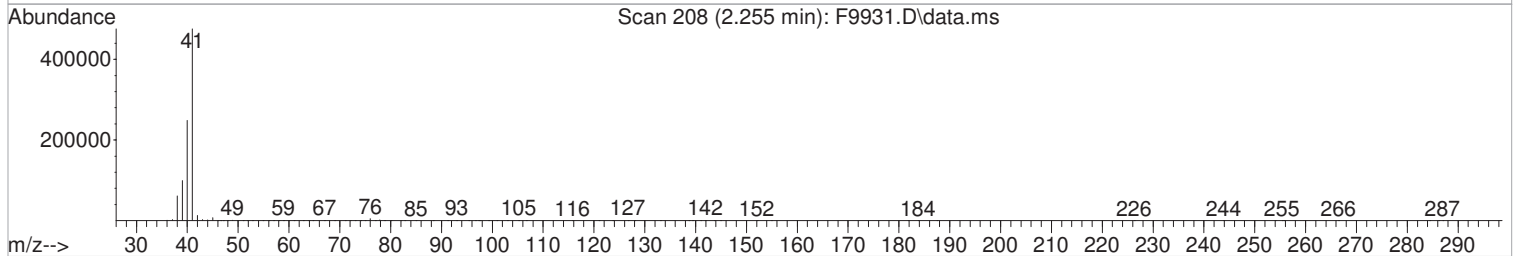
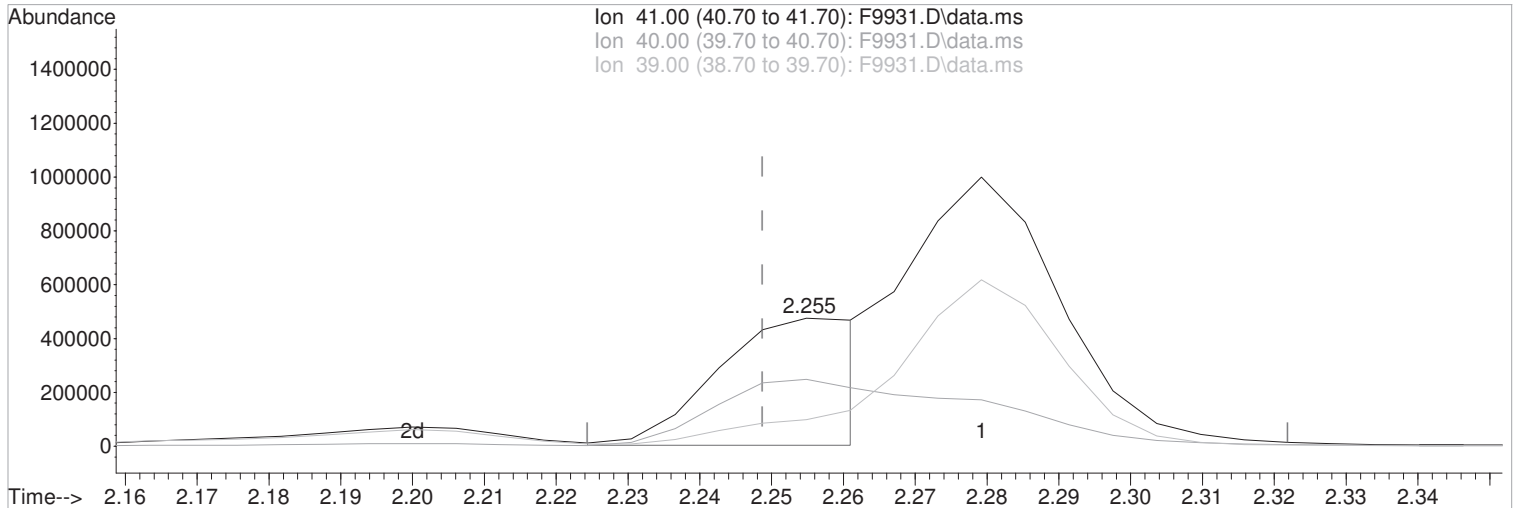
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Quant Method : I:\ACQDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9931.D
Acq On : 12 Nov 2021 5:17 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:44:21 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9931.D\data.ms

(19) Acetonitrile

2.255min (+0.006) 558.60 ug/L m

response 653929

Ion	Exp%	Act%
41.00	100	100
40.00	54.60	52.31
39.00	20.00	20.84
0.00	0.00	0.00

Manual Integration:

After

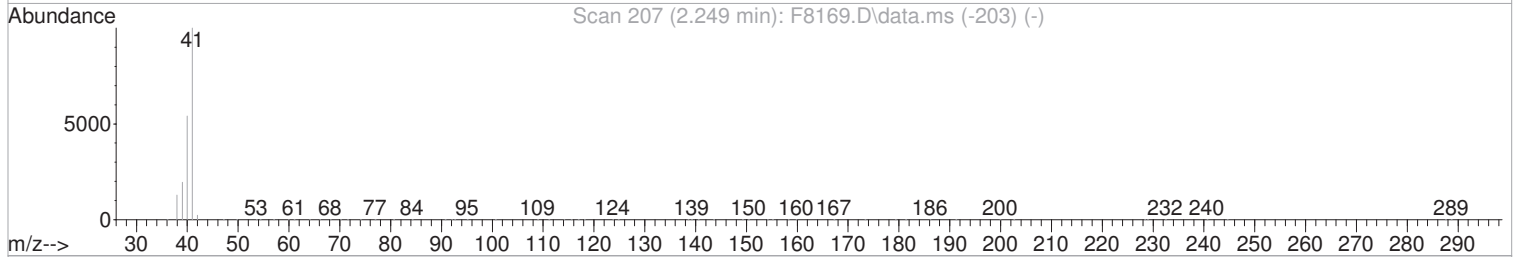
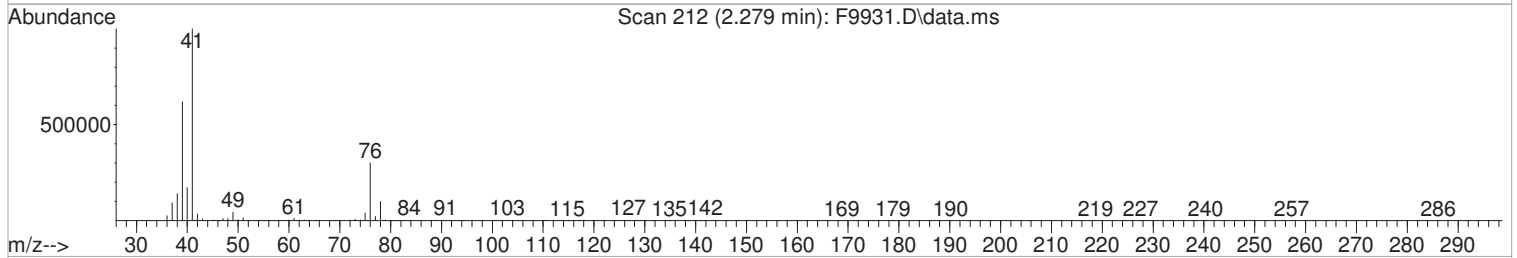
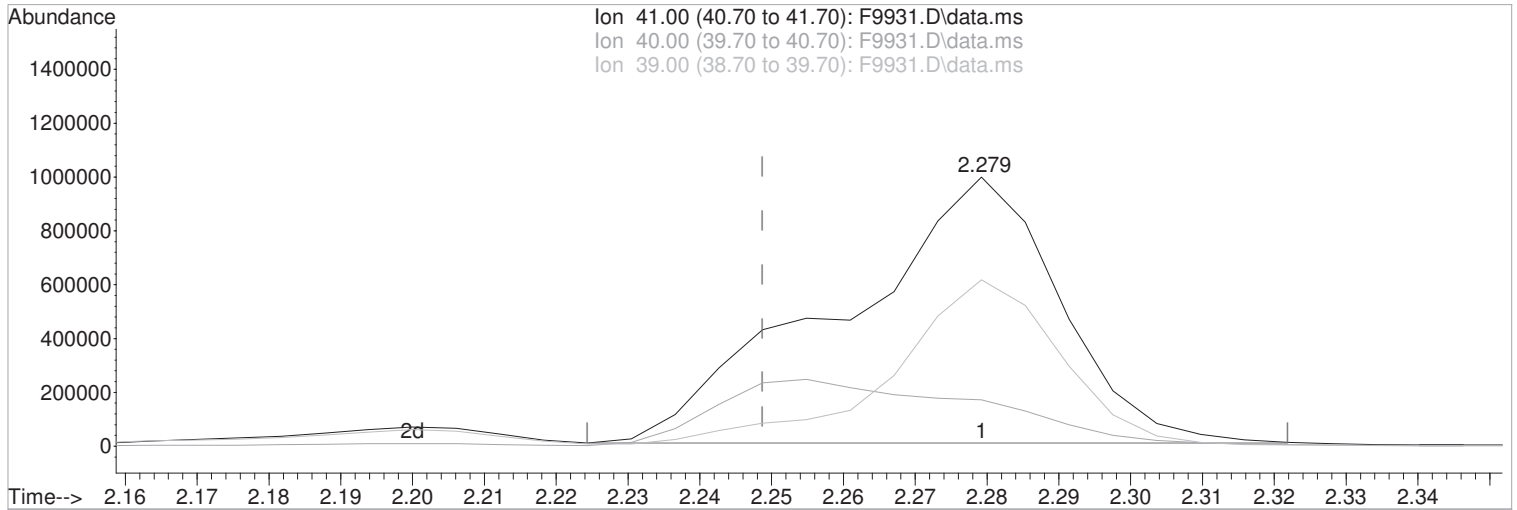
Poor integration.

11/15/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
Data File : F9931.D
Acq On : 12 Nov 2021 5:17 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:44:21 2021
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Thu Aug 12 17:36:14 2021
Response via : Initial Calibration



TIC: F9931.D\data.ms

(19) Acetonitrile

Manual Integration:

2.279min (+0.031) 1782.42 ug/L

Before

response 2086601

Ion	Exp%	Act%
41.00	100	100
40.00	54.60	17.25#
39.00	20.00	61.86#
0.00	0.00	0.00

11/15/21

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9931.D
 Acq On : 12 Nov 2021 5:17 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:44:45 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	557851	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	834167	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.570	117	778758	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	423775	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	1032941	191.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	383.54%#
47) surr1,1,2-dichloroetha...	5.108	65	1263391	164.42	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	328.84%#
64) SURR3,Toluene-d8	7.943	98	3904697	181.39	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	362.78%#
69) SURR2,BFB	10.723	95	1579003	188.16	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	376.32%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	916450	136.79	ug/L	97
3) Chloromethane	1.151	50	792494	112.99	ug/L	99
4) Vinyl Chloride	1.212	62	825884	115.22	ug/L	100
5) Bromomethane	1.401	94	349456	61.40	ug/L	99
6) Chloroethane	1.456	64	357505	73.40	ug/L	96
7) Freon 21	1.596	67	1137350	84.54	ug/L	98
8) Trichlorofluoromethane	1.633	101	1033845	102.84	ug/L	97
9) Diethyl Ether	1.840	59	680223	118.75	ug/L	98
10) Freon 123a	1.840	67	669526	94.32	ug/L	87
11) Freon 123	1.883	83	787505	101.59	ug/L	99
12) Acrolein	1.926	56	1039909	531.20	ug/L	97
13) 1,1-Dicethene	1.999	96	641849	127.59	ug/L	96
14) Freon 113	2.005	101	638188	126.38	ug/L	100
15) Acetone	2.041	43	466539	110.80	ug/L	97
16) 2-Propanol	2.200	45	2227346	2944.26	ug/L	91
17) Iodomethane	2.109	142	1014753	132.65	ug/L	99
18) Carbon Disulfide	2.163	76	1733915	145.74	ug/L	99
19) Acetonitrile	2.255	41	653929m	558.60	ug/L	
20) Allyl Chloride	2.279	76	429073	146.56	ug/L	# 83
21) Methyl Acetate	2.304	43	1240946	155.86	ug/L	99
22) Methylene Chloride	2.383	84	771932	124.78	ug/L	90
23) TBA	2.547	59	3663495	2951.51	ug/L	88
24) Acrylonitrile	2.602	53	2435041	647.91	ug/L	99
25) Methyl-t-Butyl Ether	2.651	73	2728397	134.39	ug/L	98
26) trans-1,2-Dichloroethene	2.633	96	708855	132.71	ug/L	98
27) 1,1-Dicethane	3.060	63	1344993	127.54	ug/L	99
28) Vinyl Acetate	3.139	86	145057	131.76	ug/L	# 80
29) DIPE	3.175	45	2540066	129.05	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.163	53	1012877	111.59	ug/L	93
31) ETBE	3.627	59	2598480	142.56	ug/L	97
32) 2,2-Dichloropropane	3.767	77	1157070	158.55	ug/L	100
33) cis-1,2-Dichloroethene	3.773	96	836062	132.16	ug/L	94
34) 2-Butanone	3.822	43	697311	121.05	ug/L	95
35) Propionitrile	3.889	54	1056923	671.52	ug/L	99
36) Bromochloromethane	4.108	130	558538	141.48	ug/L	91
37) Methacrylonitrile	4.114	67	497672	132.29	ug/L	99
38) Tetrahydrofuran	4.200	42	410023	120.00	ug/L	97
39) Chloroform	4.267	83	1370306	119.34	ug/L	96
40) 1,1,1-Trichloroethane	4.535	97	1135102	139.19	ug/L	95

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9931.D
 Acq On : 12 Nov 2021 5:17 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:44:45 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.498	73	2575201	148.82	ug/L	95
43) Cyclohexane	4.626	41	598885	105.02	ug/L	91
45) Carbontetrachloride	4.828	117	984207	172.98	ug/L	96
46) 1,1-Dichloropropene	4.840	75	955673	136.29	ug/L	97
48) Benzene	5.205	78	2974251	139.69	ug/L	98
49) 1,2-Dichloroethane	5.248	62	1166434	127.66	ug/L	97
50) Iso-Butyl Alcohol	5.297	43	1616143	3131.70	ug/L	97
51) n-Heptane	5.791	43	875911	132.16	ug/L	99
52) 1-Butanol	6.394	56	2663976	9142.70	ug/L	95
53) Trichloroethene	6.291	130	792410	134.62	ug/L	96
54) Methylcyclohexane	6.559	55	825871	118.36	ug/L	93
55) 1,2-Diclpropane	6.602	63	823830	137.68	ug/L	98
56) Dibromomethane	6.754	93	565008	144.58	ug/L	86
57) 1,4-Dioxane	6.852	88	392458	2907.84	ug/L	89
58) Methyl Methacrylate	6.882	69	813690	155.66	ug/L	94
59) Bromodichloromethane	7.016	83	1110213	163.57	ug/L	98
60) 2-Nitropropane	7.333	41	675008	382.50	ug/L	94
61) 2-Chloroethylvinyl Ether	7.479	63	687352	211.00	ug/L	97
62) cis-1,3-Dichloropropene	7.620	75	1340871	172.37	ug/L	98
63) 4-Methyl-2-pentanone	7.857	43	1302608	140.68	ug/L	93
65) Toluene	8.022	91	3173927	139.66	ug/L	97
66) trans-1,3-Dichloropropene	8.321	75	1316557	191.20	ug/L	99
67) Ethyl Methacrylate	8.498	69	1433663	164.98	ug/L	92
68) 1,1,2-Trichloroethane	8.522	97	803726	148.79	ug/L	99
71) Tetrachloroethene	8.668	164	598322	147.13	ug/L	96
72) 2-Hexanone	8.863	43	1026129	143.56	ug/L	93
73) 1,3-Dichloropropane	8.705	76	1421957	138.75	ug/L	93
74) Dibromochloromethane	8.955	129	908218	195.93	ug/L	99
75) N-Butyl Acetate	9.052	43	1987357	146.57	ug/L	97
76) 1,2-Dibromoethane	9.052	107	898035	155.17	ug/L	99
77) 3-Chlorobenzotrifluoride	9.650	180	1225968	166.52	ug/L	97
78) Chlorobenzene	9.601	112	2172598	146.95	ug/L	97
79) 4-Chlorobenzotrifluoride	9.705	180	1098552	167.79	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.699	131	825529	174.96	ug/L	98
81) Ethylbenzene	9.741	106	1103472	145.02	ug/L	98
82) (m+p)Xylene	9.869	106	2775709	290.27	ug/L	95
83) o-Xylene	10.241	106	1368090	145.14	ug/L	97
84) Styrene	10.259	104	2438478	153.34	ug/L	97
85) Bromoform	10.406	173	725795	223.74	ug/L	98
86) 2-Chlorobenzotrifluoride	10.509	180	1228626	170.12	ug/L	96
87) Isopropylbenzene	10.601	105	3314825	143.37	ug/L	99
88) Cyclohexanone	10.656	55	4109217	2880.25	ug/L	95
89) trans-1,4-Dichloro-2-B...	10.930	53	389847	209.69	ug/L	77
91) 1,1,2,2-Tetrachloroethane	10.875	83	1331703	171.06	ug/L	98
92) Bromobenzene	10.845	156	949242	147.01	ug/L	94
93) 1,2,3-Trichloropropane	10.900	110	433962	140.36	ug/L	95
94) n-Propylbenzene	10.979	91	3977999	131.26	ug/L	97
95) 2-Chlorotoluene	11.034	91	2523408	135.62	ug/L	97
96) 3-Chlorotoluene	11.088	91	2743963	142.75	ug/L	97
97) 4-Chlorotoluene	11.131	91	2929373	137.41	ug/L	97
98) 1,3,5-Trimethylbenzene	11.137	105	3065152	139.06	ug/L	97
99) tert-Butylbenzene	11.418	119	2469798	141.03	ug/L	98
100) 1,2,4-Trimethylbenzene	11.454	105	3099148	143.05	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.527	214	997908	167.52	ug/L	98
102) sec-Butylbenzene	11.607	105	3587157	137.87	ug/L	98
103) p-Isopropyltoluene	11.735	119	3192403	142.62	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9931.D
 Acq On : 12 Nov 2021 5:17 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:44:45 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.680	146	1802859	147.50	ug/L	96
105)	1,4-Dclbenz	11.753	146	1868459	139.93	ug/L	99
106)	2,4-Dichlorobenzotrifl...	11.826	214	911617	172.27	ug/L	99
107)	2,5-Dichlorobenzotrifl...	11.869	214	1041925	169.35	ug/L	98
108)	n-Butylbenzene	12.076	91	2882970	140.16	ug/L	97
109)	1,2-Dclbenz	12.058	146	1834130	147.79	ug/L	99
110)	1,2-Dibromo-3-chloropr...	12.698	157	376028	212.28	ug/L	92
111)	Trielution Dichlorotol...	12.826	125	5196128	481.17	ug/L	95
112)	1,3,5-Trichlorobenzene	12.875	180	1416816	163.25	ug/L	98
113)	Coelution Dichlorotoluene	13.149	125	3819309	323.54	ug/L	98
114)	1,2,4-Tcbenzene	13.362	180	1311886	162.07	ug/L	97
115)	Hexachlorobt	13.509	225	541289	173.01	ug/L	98
116)	Naphthalen	13.545	128	4673426	163.77	ug/L	99
117)	1,2,3-Tclbenzene	13.740	180	1314823	163.19	ug/L	98
118)	2,4,5-Trichlorotoluene	14.332	159	1032964	178.63	ug/L	98
119)	2,3,6-Trichlorotoluene	14.417	159	926257	180.50	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9932.D
 Acq On : 12 Nov 2021 5:39 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:45:31 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.675	168	549156	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.931	114	822489	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	754309	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	397623	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.523	113	265143	49.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	99.84%
47) surr1,1,2-dichloroetha...	5.108	65	325380	42.95	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	85.90%
64) SURR3,Toluene-d8	7.943	98	1006261	47.41	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	94.82%
69) SURR2,BFB	10.723	95	395161	47.76	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	95.52%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	1342201	203.51	ug/L	97
3) Chloromethane	1.151	50	1147367	166.18	ug/L	100
4) Vinyl Chloride	1.218	62	1197181	169.67	ug/L	100
5) Bromomethane	1.401	94	530277	94.64	ug/L	98
6) Chloroethane	1.468	64	692587	144.45	ug/L	97
7) Freon 21	1.596	67	1874716	141.55	ug/L	98
8) Trichlorofluoromethane	1.639	101	1528231	154.43	ug/L	98
9) Diethyl Ether	1.840	59	944363	167.47	ug/L	100
10) Freon 123a	1.840	67	1167566	167.09	ug/L	91
11) Freon 123	1.889	83	1353594	177.37	ug/L	99
12) Acrolein	1.926	56	1406294	729.72	ug/L	98
13) 1,1-Dicethene	1.999	96	935742	188.95	ug/L	99
14) Freon 113	2.005	101	949266	190.96	ug/L	97
15) Acetone	2.041	43	623513	150.42	ug/L	97
16) 2-Propanol	2.176	45	2959142	3973.53	ug/L	91
17) Iodomethane	2.115	142	1552742	206.19	ug/L	97
18) Carbon Disulfide	2.169	76	2602834	222.25	ug/L	99
19) Acetonitrile	2.249	41	973684	844.91	ug/L	100
20) Allyl Chloride	2.285	76	625874	217.17	ug/L	# 89
21) Methyl Acetate	2.304	43	1703344	217.32	ug/L	99
22) Methylene Chloride	2.383	84	1080291	177.38	ug/L	91
23) TBA	2.517	59	4878907	3992.95	ug/L	88
24) Acrylonitrile	2.602	53	3333058	900.89	ug/L	97
25) Methyl-t-Butyl Ether	2.651	73	3765496	188.41	ug/L	98
26) trans-1,2-Dichloroethene	2.639	96	1024952	194.92	ug/L	96
27) 1,1-Dicethane	3.060	63	1921621	185.11	ug/L	99
28) Vinyl Acetate	3.139	86	210311	194.06	ug/L	# 75
29) DIPE	3.175	45	3465081	178.84	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.169	53	1497991	167.64	ug/L	91
31) ETBE	3.633	59	3549008	197.79	ug/L	97
32) 2,2-Dichloropropane	3.773	77	1661626	231.30	ug/L	98
33) cis-1,2-Dichloroethene	3.779	96	1179158	189.35	ug/L	90
34) 2-Butanone	3.815	43	941968	166.11	ug/L	97
35) Propionitrile	3.883	54	1429049	922.32	ug/L	100
36) Bromochloromethane	4.114	130	775528	199.56	ug/L	89
37) Methacrylonitrile	4.114	67	691656	186.77	ug/L	97
38) Tetrahydrofuran	4.200	42	558412	166.02	ug/L	94
39) Chloroform	4.267	83	1936153	171.30	ug/L	96
40) 1,1,1-Trichloroethane	4.541	97	1646985	205.16	ug/L	94

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9932.D
 Acq On : 12 Nov 2021 5:39 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:45:31 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	5.504	73	3508628	205.97	ug/L	96
43) Cyclohexane	4.632	41	1000541	177.94	ug/L	91
45) Carbontetrachloride	4.827	117	1462213	260.64	ug/L	99
46) 1,1-Dichloropropene	4.840	75	1406998	203.50	ug/L	99
48) Benzene	5.212	78	4261825	203.01	ug/L	96
49) 1,2-Dichloroethane	5.248	62	1607289	178.40	ug/L	98
50) Iso-Butyl Alcohol	5.279	43	2161438	4247.82	ug/L	95
51) n-Heptane	5.797	43	1346970	206.12	ug/L	98
52) 1-Butanol	6.388	56	3541024	12325.25	ug/L	95
53) Trichloroethene	6.291	130	1137259	195.95	ug/L	98
54) Methylcyclohexane	6.559	55	1366057	198.55	ug/L	95
55) 1,2-Diclpropane	6.601	63	1162512	197.05	ug/L	98
56) Dibromomethane	6.754	93	787443	204.36	ug/L	91
57) 1,4-Dioxane	6.845	88	520102	3908.31	ug/L	90
58) Methyl Methacrylate	6.882	69	1133027	219.82	ug/L	92
59) Bromodichloromethane	7.016	83	1567013	234.15	ug/L	98
60) 2-Nitropropane	7.333	41	939406	539.88	ug/L	97
61) 2-Chloroethylvinyl Ether	7.485	63	946874	294.79	ug/L	94
62) cis-1,3-Dichloropropene	7.620	75	1873793	244.30	ug/L	97
63) 4-Methyl-2-pentanone	7.857	43	1769784	193.84	ug/L	93
65) Toluene	8.022	91	4582094	204.49	ug/L	98
66) trans-1,3-Dichloropropene	8.321	75	1844126	271.61	ug/L	99
67) Ethyl Methacrylate	8.497	69	1957763	228.49	ug/L	92
68) 1,1,2-Trichloroethane	8.522	97	1096737	205.91	ug/L	99
71) Tetrachloroethene	8.668	164	875421	222.24	ug/L	97
72) 2-Hexanone	8.863	43	1379097	199.19	ug/L	91
73) 1,3-Dichloropropane	8.705	76	1962980	197.75	ug/L	93
74) Dibromochloromethane	8.955	129	1264422	281.61	ug/L	99
75) N-Butyl Acetate	9.052	43	2714106	206.66	ug/L	98
76) 1,2-Dibromoethane	9.052	107	1233818	220.09	ug/L	100
77) 3-Chlorobenzotrifluoride	9.650	180	1701520	238.60	ug/L	99
78) Chlorobenzene	9.601	112	3060313	213.70	ug/L	96
79) 4-Chlorobenzotrifluoride	9.711	180	1522678	240.11	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.705	131	1145023	250.54	ug/L	98
81) Ethylbenzene	9.741	106	1596903	216.67	ug/L	99
82) (m+p)Xylene	9.869	106	4021578	434.19	ug/L	97
83) o-Xylene	10.247	106	1938698	212.34	ug/L	94
84) Styrene	10.259	104	3427657	222.52	ug/L	97
85) Bromoform	10.406	173	991562	315.57	ug/L	96
86) 2-Chlorobenzotrifluoride	10.509	180	1673390	239.22	ug/L	97
87) Isopropylbenzene	10.607	105	4830394	215.69	ug/L	99
88) Cyclohexanone	10.662	55	5332611	3858.91	ug/L	94
89) trans-1,4-Dichloro-2-B...	10.930	53	526237	292.23	ug/L	76
91) 1,1,2,2-Tetrachloroethane	10.881	83	1805751	247.21	ug/L	99
92) Bromobenzene	10.845	156	1338055	220.85	ug/L	91
93) 1,2,3-Trichloropropane	10.899	110	583793	201.24	ug/L	95
94) n-Propylbenzene	10.979	91	5828608	204.98	ug/L	98
95) 2-Chlorotoluene	11.034	91	3568422	204.40	ug/L	98
96) 3-Chlorotoluene	11.088	91	3813933	211.46	ug/L	97
97) 4-Chlorotoluene	11.131	91	4094263	204.68	ug/L	97
98) 1,3,5-Trimethylbenzene	11.137	105	4430652	214.23	ug/L	98
99) tert-Butylbenzene	11.418	119	3631323	221.00	ug/L	99
100) 1,2,4-Trimethylbenzene	11.460	105	4458527	219.32	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.533	214	1357719	242.91	ug/L	97
102) sec-Butylbenzene	11.607	105	5343796	218.90	ug/L	99
103) p-Isopropyltoluene	11.735	119	4685695	223.10	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9932.D
 Acq On : 12 Nov 2021 5:39 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:45:31 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration

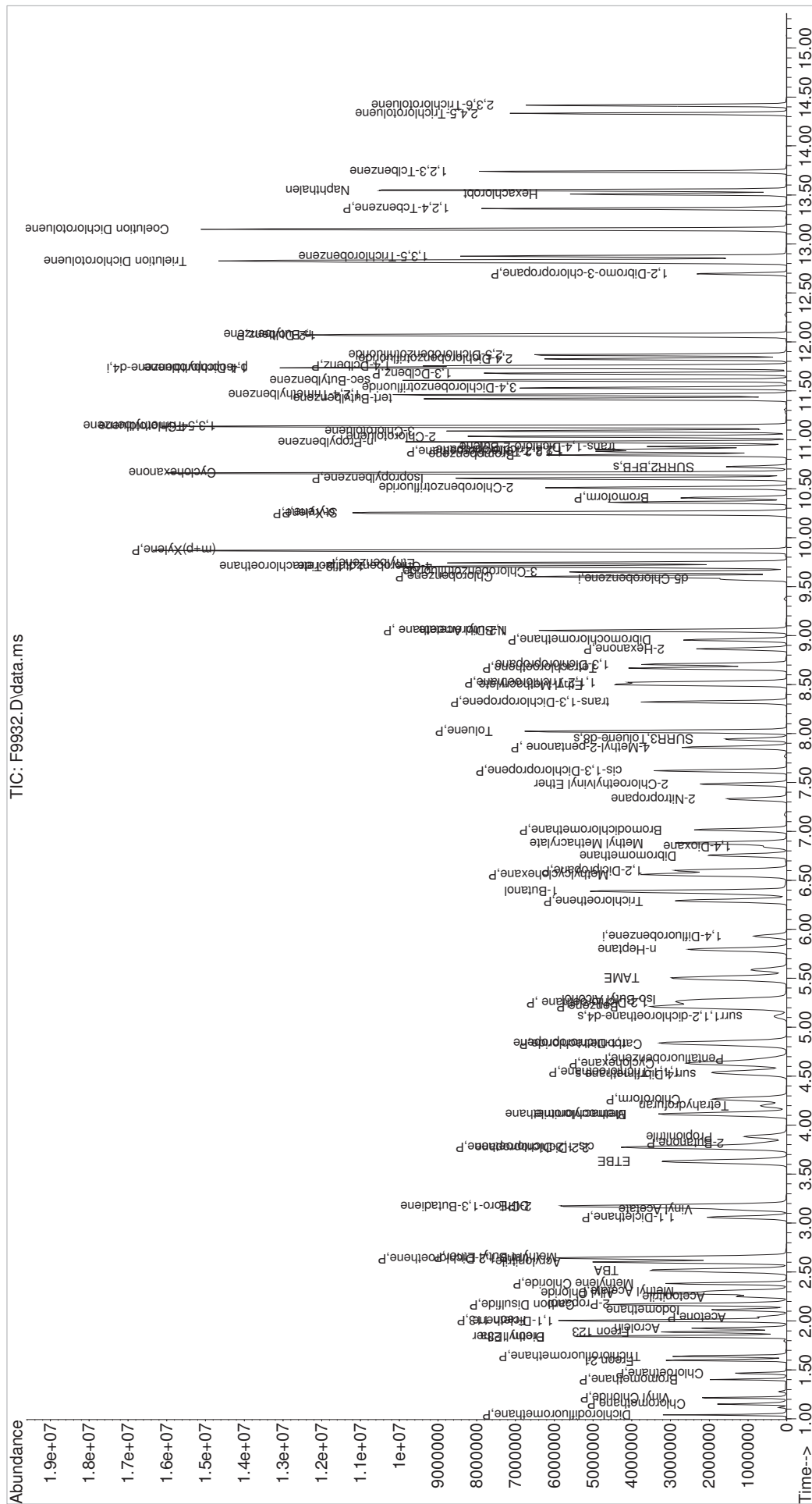
	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.680	146	2524919	220.17	ug/L	99
105)	1,4-Dclbenz	11.753	146	2592226	206.90	ug/L	99
106)	2,4-Dichlorobenzotrifl...	11.826	214	1222606	246.23	ug/L	99
107)	2,5-Dichlorobenzotrifl...	11.869	214	1406830	243.71	ug/L	98
108)	n-Butylbenzene	12.076	91	4256419	220.54	ug/L	98
109)	1,2-Dclbenz	12.064	146	2530075	217.28	ug/L	97
110)	1,2-Dibromo-3-chloropr...	12.698	157	518001	311.66	ug/L	93
111)	Trielution Dichlorotol...	12.826	125	7026951	693.51	ug/L	96
112)	1,3,5-Trichlorobenzene	12.875	180	1907361	234.23	ug/L	99
113)	Coelution Dichlorotoluene	13.149	125	5154636	465.37	ug/L	98
114)	1,2,4-Tcbenzene	13.362	180	1849032	243.46	ug/L	96
115)	Hexachlorobt	13.509	225	818630	278.86	ug/L	99
116)	Naphthalen	13.551	128	6457431	241.17	ug/L	98
117)	1,2,3-Tclbenzene	13.740	180	1841259	243.56	ug/L	99
118)	2,4,5-Trichlorotoluene	14.332	159	1442060	265.77	ug/L	99
119)	2,3,6-Trichlorotoluene	14.417	159	1267890	263.32	ug/L	99

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

Data Path : I:\ACQDATA\MSVOA14\Data\111221\
 Data File : F9932.D
 Acq On : 12 Nov 2021 5:39 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 14:45:31 2021
 Quant Method : I:\ACQDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Thu Aug 12 17:36:14 2021
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9936.D
 Acq On : 12 Nov 2021 7:09 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 15:26:08 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	100	0.00
2 P	Dichlorodifluoromethane	50.000	55.794	-11.6	102	0.00
3 P	Chloromethane	50.000	60.220	-20.4#	120	0.00
4 P	Vinyl Chloride	50.000	56.900	-13.8	109	0.00
5 P	Bromomethane	50.000	38.320	23.4#	78	0.00
6 P	Chloroethane	50.000	58.231	-16.5	110	0.00
7	Freon 21	50.000	47.101	5.8	88	0.00
8 P	Trichlorofluoromethane	50.000	50.704	-1.4	97	0.00
9	Diethyl Ether	50.000	47.714	4.6	95	0.00
10	Freon 123a	50.000	51.559	-3.1	98	0.00
11	Freon 123	50.000	50.470	-0.9	91	0.00
12	Acrolein	250.000	77.839	68.9#	31	0.00
13	1,1-Dicethene	50.000	49.665	0.7	95	0.00
14 P	Freon 113	50.000	48.588	2.8	94	0.00
15 P	Acetone	50.000	45.143	9.7	92	0.00
16	2-Propanol	1000.000	958.418	4.2	95	0.00
17	Iodomethane	50.000	50.039	-0.1	87	0.00
18 P	Carbon Disulfide	50.000	57.496	-15.0	105	0.00
19	Acetonitrile	250.000	278.696	-11.5	108	0.00
20	Allyl Chloride	50.000	45.882	8.2	89	0.00
21 P	Methyl Acetate	50.000	46.800	6.4	93	0.00
22 P	Methylene Chloride	50.000	45.321	9.4	94	0.00
23	TBA	1000.000	949.287	5.1	93	0.00
24	Acrylonitrile	250.000	248.161	0.7	95	0.00
25 P	Methyl-t-Butyl Ether	50.000	46.030	7.9	90	0.00
26 P	trans-1,2-Dichloroethene	50.000	49.179	1.6	95	0.00
27 P	1,1-Dicethane	50.000	49.133	1.7	94	0.00
28	Vinyl Acetate	50.000	42.226	15.5	82	0.00
29	DIPE	50.000	52.239	-4.5	101	0.00
30	2-Chloro-1,3-Butadiene	50.000	56.102	-12.2	102	0.00
31	ETBE	50.000	47.789	4.4	93	0.00
32	2,2-Dichloropropane	50.000	45.830	8.3	91	0.00
33 P	cis-1,2-Dichloroethene	50.000	49.159	1.7	95	0.00
34 P	2-Butanone	50.000	47.922	4.2	97	0.00
35	Propionitrile	250.000	247.232	1.1	93	0.00
36	Bromochloromethane	50.000	47.363	5.3	94	0.00
37	Methacrylonitrile	50.000	49.331	1.3	95	0.00
38	Tetrahydrofuran	50.000	46.639	6.7	97	0.00
39 P	Chloroform	50.000	47.046	5.9	92	0.00
40 P	1,1,1-Trichloroethane	50.000	49.384	1.2	97	0.00
41	TAME	50.000	51.275	-2.5	100	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
43 P	Cyclohexane	50.000	50.637	-1.3	97	0.00
44 s	surr4,Dibrflmethane	50.000	50.867	-1.7	100	0.00
45 P	Carbontetrachloride	50.000	51.005	-2.0	96	0.00
46	1,1-Dichloropropene	50.000	52.280	-4.6	100	0.00
47 s	surr1,1,2-dichloroethane-d4	50.000	50.837	-1.7	100	0.00
48 P	Benzene	50.000	48.630	2.7	94	0.00
49 P	1,2-Dichloroethane	50.000	47.491	5.0	93	0.00
50	Iso-Butyl Alcohol	1000.000	947.559	5.2	93	0.00
51	n-Heptane	50.000	46.563	6.9	90	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9936.D
 Acq On : 12 Nov 2021 7:09 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 15:26:08 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	1-Butanol	2500.000	2613.791	-4.6	94	0.00
53 P	Trichloroethene	50.000	49.912	0.2	96	0.00
54 P	Methylcyclohexane	50.000	50.580	-1.2	97	0.00
55 P	1,2-Dicloropropane	50.000	48.349	3.3	96	0.00
56	Dibromomethane	50.000	49.033	1.9	93	0.00
57	1,4-Dioxane	1000.000	948.638	5.1	96	0.00
58	Methyl Methacrylate	50.000	50.473	-0.9	94	0.00
59 P	Bromodichloromethane	50.000	48.703	2.6	93	0.00
60	2-Nitropropane	100.000	102.284	-2.3	94	0.00
61	2-Chloroethylvinyl Ether	50.000	50.455	-0.9	99	0.00
62 P	cis-1,3-Dichloropropene	50.000	52.201	-4.4	97	0.00
63 P	4-Methyl-2-pentanone	50.000	50.052	-0.1	98	0.00
64 s	SURR3,Toluene-d8	50.000	51.211	-2.4	102	0.00
65 P	Toluene	50.000	49.148	1.7	95	0.00
66 P	trans-1,3-Dichloropropene	50.000	52.129	-4.3	96	0.00
67	Ethyl Methacrylate	50.000	45.036	9.9	84	0.00
68 P	1,1,2-Trichloroethane	50.000	48.600	2.8	95	0.00
69 s	SURR2,BFB	50.000	50.439	-0.9	101	0.00
70 i	d5-Chlorobenzene	50.000	50.000	0.0	98	0.00
71 P	Tetrachloroethene	50.000	50.927	-1.9	96	0.00
72 P	2-Hexanone	50.000	50.601	-1.2	97	0.00
73	1,3-Dichloropropene	50.000	49.165	1.7	93	0.00
74 P	Dibromochloromethane	50.000	49.922	0.2	93	0.00
75	N-Butyl Acetate	50.000	48.698	2.6	91	0.00
76 P	1,2-Dibromoethane	50.000	49.540	0.9	93	0.00
77	3-Chlorobenzotrifluoride	50.000	49.626	0.7	91	0.00
78 P	Chlorobenzene	50.000	48.080	3.8	93	0.00
79	4-Chlorobenzotrifluoride	50.000	49.560	0.9	91	0.00
80	1,1,1,2-Tetrachloroethane	50.000	51.138	-2.3	97	0.00
81 P	Ethylbenzene	50.000	50.658	-1.3	94	0.00
82 P	(m+p)Xylene	100.000	99.429	0.6	94	0.00
83 P	o-Xylene	50.000	49.808	0.4	94	0.00
84 P	Styrene	50.000	50.415	-0.8	94	0.00
85 P	Bromoform	50.000	50.201	-0.4	93	0.00
86	2-Chlorobenzotrifluoride	50.000	49.802	0.4	91	0.00
87 P	Isopropylbenzene	50.000	50.997	-2.0	97	0.00
88	Cyclohexanone	1000.000	999.371	0.1	95	0.00
89	trans-1,4-Dichloro-2-Butene	50.000	48.512	3.0	88	0.00
90 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
91 P	1,1,2,2-Tetrachloroethane	50.000	47.783	4.4	90	0.00
92	Bromobenzene	50.000	49.811	0.4	95	0.00
93	1,2,3-Trichloropropane	50.000	47.193	5.6	91	0.00
94	n-Propylbenzene	50.000	51.291	-2.6	96	0.00
95	2-Chlorotoluene	50.000	47.761	4.5	91	0.00
96	3-Chlorotoluene	50.000	49.704	0.6	94	0.00
97	4-Chlorotoluene	50.000	49.013	2.0	94	0.00
98	1,3,5-Trimethylbenzene	50.000	49.057	1.9	92	0.00
99	tert-Butylbenzene	50.000	50.884	-1.8	97	0.00
100	1,2,4-Trimethylbenzene	50.000	49.389	1.2	93	0.00
101	3,4-Dichlorobenzotrifluorid	50.000	49.002	2.0	90	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\111221\
 Data File : F9936.D
 Acq On : 12 Nov 2021 7:09 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Nov 15 15:26:08 2021
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	sec-Butylbenzene	50.000	50.944	-1.9	95	0.00
103	p-Isopropyltoluene	50.000	49.763	0.5	91	0.00
104 P	1,3-Dclbenz	50.000	48.557	2.9	92	0.00
105 P	1,4-Dclbenz	50.000	46.648	6.7	90	0.00
106	2,4-Dichlorobenzotrifluorid	50.000	49.518	1.0	91	0.00
107	2,5-Dichlorobenzotrifluorid	50.000	49.658	0.7	92	0.00
108	n-Butylbenzene	50.000	49.782	0.4	90	0.00
109 P	1,2-Dclbenz	50.000	48.423	3.2	92	0.00
110 P	1,2-Dibromo-3-chloropropane	50.000	50.116	-0.2	93	0.00
111	Trielution Dichlorotoluene	150.000	153.002	-2.0	93	0.00
112	1,3,5-Trichlorobenzene	50.000	49.837	0.3	93	0.00
113	Coelution Dichlorotoluene	100.000	102.574	-2.6	94	0.00
114 P	1,2,4-Tcbenzene	50.000	50.470	-0.9	94	0.00
115	Hexachlorobt	50.000	51.546	-3.1	94	0.00
116	Naphthalen	50.000	48.776	2.4	90	0.00
117	1,2,3-Tclbenzene	50.000	49.868	0.3	92	0.00
118	2,4,5-Trichlorotoluene	50.000	52.755	-5.5	92	0.00
119	2,3,6-Trichlorotoluene	50.000	52.998	-6.0	95	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: 11/12/21 13:40

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\111221\F9922.D
Instrument ID: R-MS-14

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	18.4	51028	PASS
75	95	30	60	49.7	137603	PASS
95	95	100	100	100.0	277088	PASS
96	95	5	9	6.9	19069	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	82.1	227456	PASS
175	174	5	9	7.5	17094	PASS
176	174	95	101	96.6	219669	PASS
177	176	5	9	6.6	14401	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
ICALBLK	ICALBLK	I:\ACQUDATA\MSVOA14\Data\111221\F9923.D	11/12/21 14:18
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\MSVOA14\DATA\111221\F9924.D	11/12/21 14:40
1 PPB STD	1 PPB STD	I:\ACQUDATA\MSVOA14\DATA\111221\F9925.D	11/12/21 15:02
2 PPB STD	2 PPB STD	I:\ACQUDATA\MSVOA14\DATA\111221\F9926.D	11/12/21 15:25
5 PPB STD	5 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9927.D	11/12/21 15:47
20 PPB STD	20 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9928.D	11/12/21 16:10
50 PPB STD	50 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9929.D	11/12/21 16:32
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9930.D	11/12/21 16:54
150 PPB STD	150 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9931.D	11/12/21 17:17
200 PPB STD	200 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9932.D	11/12/21 17:39
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA14\DATA\111221\F9936.D	11/12/21 19:09

Analysis: 8260/624
 Date: 11/12/21
 Instr: MS14
 Analyst: F. N. Nguyen
 Balance ID: _____
 50 mL Class A used for dilution FV
 pH strips: _____
 ResCl strips: _____
 Syringes: 210903/218377
 Tune Method: 11/12/21 M
 Run Method: L
 LIMS Run#: _____

Data Path: \\naquadatamsvoa\msv\oal\InstID\Date

Pos.	Sample	Diln.	Diln. Prep.	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							F9919	Y	
2	↓							20	Y	
3	TUNE							21	Y	
1	↓							22	Y	
1	ICAL BLK							23	Y	
2	0.5 ppb std							24	Y	
3	1							25	Y	
4	2							26	Y	
5	5							27	Y	
6	20							28	Y	
7	50							29	Y	
8	100							30	Y	
9	150							31	Y	
10	200							32	Y	
11	BLK							33	Y	
12	↓							34	Y	
13	50 ppb ICV							35	Y	
14	BLK							36	Y	
15	↓							37	Y	
16	↓							38	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 22026	10µL/1mL 5µL/500µL	10µL/10mL 5µL/50µL	20µL/10mL 5µL/50µL	5µL/50µL	2µL/20µL 5µL/50µL	5µL/50µL	10µL/100µL 5µL/50µL	15µL/150µL 5µL/50µL	20µL/200µL
1° HSL = 220228	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° FC = 220110	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 219767	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 µL combined IS/Surr. 5 mL purged

SEE TABLE ABOVE

Primary
 Primary
 Primary
 Primary

Combined IS/Surr
 Surrogate 50 : 220264
 Internal Std 50 : 220265
 Reagents:

↓
 ↓
 ↓
 ↓

T/G Secondary 500 : 220298 - 5µL
 HSL Secondary 500 : 220111 - 5µL
 OCC Secondary 500 : 219768 - 5µL
 (see file)

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100143
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2100143-01	0.5 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9924.D	11/12/2021 14:40
02	RC2100143-02	1 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9925.D	11/12/2021 15:02
03	RC2100143-03	2 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9926.D	11/12/2021 15:25
04	RC2100143-04	5 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9927.D	11/12/2021 15:47
05	RC2100143-05	20 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9928.D	11/12/2021 16:10
06	RC2100143-06	50 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9929.D	11/12/2021 16:32
07	RC2100143-07	100 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9930.D	11/12/2021 16:54
08	RC2100143-08	150 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9931.D	11/12/2021 17:17
09	RC2100143-09	200 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9932.D	11/12/2021 17:39

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6367	02	1.000	0.7063	03	2.000	0.7465	04	5.000	0.6936
05	20.000	0.7602	06	50.000	0.7272	07	100.000	0.7212	08	150.000	0.6783
09	200.000	0.7498									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.713	02	1.000	0.7959	03	2.000	0.8493	04	5.000	0.8139
05	20.000	0.9151	06	50.000	0.8707	07	100.000	0.8553	08	150.000	0.8037
09	200.000	0.8748									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3389	02	1.000	0.4255	03	2.000	0.4088	04	5.000	0.401
05	20.000	0.4321	06	50.000	0.4253	07	100.000	0.4187	08	150.000	0.3835
09	200.000	0.426									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4942	05	20.000	0.4138	06	50.000	0.4608	07	100.000	0.463
08	200.000	0.4732									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3426	05	20.000	0.2874	06	50.000	0.3216	07	100.000	0.3127
08	200.000	0.3096									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2127	02	1.000	0.2575	03	2.000	0.2863	04	5.000	0.2722
05	20.000	0.307	06	50.000	0.2848	07	100.000	0.2779	08	150.000	0.2561
09	200.000	0.2901									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100143
Instrument ID: R-MS-14

Signal ID: 1

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.28	05	20.000	1.098	06	50.000	1.2	07	100.000	1.194
08	200.000	1.17									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2945	02	1.000	0.3363	03	2.000	0.3432	04	5.000	0.3356
05	20.000	0.3559	06	50.000	0.3471	07	100.000	0.339	08	150.000	0.3166
09	200.000	0.3457									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4183	02	1.000	0.4967	03	2.000	0.4967	04	5.000	0.4778
05	20.000	0.5462	06	50.000	0.5273	07	100.000	0.5149	08	150.000	0.4935
09	200.000	0.545									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4528	02	1.000	0.5095	03	2.000	0.515	04	5.000	0.5166
05	20.000	0.5522	06	50.000	0.5338	07	100.000	0.5202	08	150.000	0.4996
09	200.000	0.5368									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3796	02	1.000	0.4453	03	2.000	0.4453	04	5.000	0.4456
05	20.000	0.4841	06	50.000	0.4615	07	100.000	0.4528	08	150.000	0.4236
09	200.000	0.4666									

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Summary Volatile Organic Compounds by GC/MS

Calibration ID: RC2100143
Instrument ID: R-MS-14

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	5.5	≤20	0.7133	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.1	≤20	0.8324	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.3	≤20	0.4067	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.4	≤20	0.461	
Dibromofluoromethane	SURR	Average RF	% RSD	6.4	≤20	0.3148	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.0	≤20	0.2716	0.200
Toluene-d8	SURR	Average RF	% RSD	5.5	≤20	1.188	
Trichloroethene (TCE)	TRG	Average RF	% RSD	5.5	≤20	0.3349	0.200
Vinyl Chloride	TRG	Average RF	% RSD	7.8	≤20	0.5018	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	5.5	≤20	0.5152	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	6.7	≤20	0.4449	0.100

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100143
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2100143-10	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\111221\F9936.D	11/12/2021 19:09

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.4	7.133E-1	7.045E-1	-1.233	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	49.1	8.324E-1	8.18E-1	-1.735	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.7	4.067E-1	4.039E-1	-0.670	±30	Average RF
Tetrachloroethene (PCE)	50.0	50.9	2.716E-1	2.767E-1	1.86	±30	Average RF
Trichloroethene (TCE)	50.0	49.9	3.349E-1	3.343E-1	-0.175	±30	Average RF
Vinyl Chloride	50.0	56.9	5.018E-1	5.711E-1	13.80	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.2	5.152E-1	5.065E-1	-1.683	±30	Average RF
trans-1,2-Dichloroethene	50.0	49.2	4.449E-1	4.376E-1	-1.641	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.4	4.61E-1	4.65E-1	0.878	±30	Average RF
Dibromofluoromethane	50.0	50.9	3.148E-1	3.202E-1	1.73	±30	Average RF
Toluene-d8	50.0	51.2	1.188E0	1.217E0	2.42	±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: R2202100
Date Analyzed: 03/15/22 10:35

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\
Signal ID: 1

Calibration Date: 11/12/2021
Calibration ID: RC2100143
Analysis Lot: 757421
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.8	0.7133	0.667	-6.5	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	42.7	0.8324	0.711	-14.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	44.8	0.4067	0.3642	-10.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.3	0.2716	0.268	-1.3	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.4	0.3349	0.3244	-3.1	NA	±20	Average RF
Vinyl Chloride	50.0	41.5	0.5018	0.4166	-17.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	44.6	0.5152	0.4599	-10.7	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	45.3	0.4449	0.4033	-9.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	53.5	0.461	0.4932	7.0	NA	±20	Average RF
Dibromofluoromethane	50.0	53.5	0.3148	0.3366	6.9	NA	±20	Average RF
Toluene-d8	50.0	51.4	1.1883	1.2205	2.7	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2202100

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:757421
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\031522\V2472.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	10:01:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\	Continuing Calibration Verification	RQ2202563-02	3/15/2022	10:35:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2474.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	11:16:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2475.D\	Lab Control Sample	RQ2202563-04	3/15/2022	11:45:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2476.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	12:07:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2477.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	12:46:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2478.D\	Method Blank	RQ2202563-07	3/15/2022	13:08:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2479.D\	Trip Blank	R2202100-001	3/15/2022	13:33:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2480.D\	MW-10-030922	R2202100-002	3/15/2022	13:55:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2481.D\	FB-030922	R2202100-003	3/15/2022	14:17:00	
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I:\ACQUDATA\MSVOA14\Data\031522\V2484.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	15:24:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2486.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	16:08:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2487.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	16:31:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2488.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	16:53:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2489.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	17:15:00	
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I:\ACQUDATA\MSVOA14\Data\031522\V2494.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	19:06:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2495.D\	MW-09-030922	R2202100-004	3/15/2022	19:28:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2202100

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:757421
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\031522\V2496.D\	MW-17-030922	R2202100-006	3/15/2022	19:50:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2497.D\	MW-8-030922	R2202100-007	3/15/2022	20:12:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2498.D\	DUP-030922	R2202100-008	3/15/2022	20:35:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2499.D\	DUP-030922 MS	RQ2202563-08	3/15/2022	20:57:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2500.D\	DUP-030922 DMS	RQ2202563-09	3/15/2022	21:19:00	

Analysis: 8240/624 Analyst: F. N. Lee pH strips: 222221 Tune Method: W111221.M
 Date: 3/15/22 Balance ID: - ResCl strips: 102420 Run Method: ↓
 Instr: MS14 50 mL Class A used for dilution FV Syringes: 210903/218371 LIMS Run#: 757421
 Data Path: J:\acquadata\msvoa\instid\ (Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
1	TUPE								V2472	Y	
2	CCV								73	Y	
3	CS-UNP								74	Y	
4	CS-EP								75	Y	
5	CS-ELC								76	Y	
6	MBL-UNP								77	Y	
7	MBL-EP								78	Y	
8	R2202.100-001	1.0		6446	1	N	-	<2	79	Y	
9	↓	-002		↓	1	N	-	<2	80	Y	
10	R2202.076-001	2.5	20/50mL	15551	2	N	-	<2	81	Y	
11	R2202.185-002	1.0		15891	1	N	N ₃	(6)	82	Y	
12	↓	-003	5/50mL	16102	1	N	N ₃	(6)	83	Y	
13	↓	-003	250.0	↓	1	N	N ₃	(6)	84	Y	Rpt 1/250
14	R2202.215-002	1.0	↓ 2/50mL	18832	1	N	N ₃	<2	85	(N)	Rpt 1/1000
15	↓	-001		↓	1	N	N ₃	<2	86	Y	
16	R2202.220-011	1.0		13974	1	N	N ₃	(3)	87	Y	
17	↓	-003		↓	1	N	N ₃	(3)	88	Y	
18	↓	-005		↓	1	N	N ₃	(7)	89	Y	
19	↓	-008		↓	1	N	N ₃	(7)	90	Y	
20	↓	-009		↓	1	N	N ₃	(7)	91	Y	
21	↓	-010		↓	1	N	N ₃	(7)	92	Y	
22	R2202.100-005	1.0		7979	1	N	-	(7)	93	Y	
23	↓	-004		↓	1	N	-	<2	94	Y	
24	↓	-006		↓	1	N	-	<2	95	Y	
25	↓	-007	10/50mL	↓	1	N	-	<2	96	Y	
26	↓	-008		↓	1	N	-	<2	97	Y	
27	↓	-009		↓	1	N	-	<2	98	Y	
28	↓	-008		↓	1	N	-	<2	99	Y	
29	BLK								V2500	Y	
30	↓								01	Y	
31	↓								02	Y	

All samples = 5 mL + 5 uL combined IS/
 T16 Primary 500 : 221715 - 5uL 50mL
 H16 Primary : 221837 - 5uL
 F16 Primary : 221716 - 5uL
 D16 Primary : 221218 - 5uL
 Primary : 5uL (CCV)

F16 Secondary 200 : 221948 - 5uL
 T16 Secondary 500 : 221717 - 5uL
 H16 Secondary : 222005 - 5uL
 D16 Secondary : 221221 - 5uL
 E16 Secondary 200 : 221954 - 5uL
 (CCV)

Combined IS/Surr : 221772
 Surrogate 50 : 221772
 Internal Std 50 : 221773
 Reagents: 5uL (94%)

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2202100
Date Collected: 03/09/22 13:45
Date Received: 03/10/22 07:50

Sample Name: MW-16-030922
Lab Code: R2202100-005

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)	14	1.0	0.20	1	03/15/22 19:06	
1,1-Dichloroethane (1,1-DCA)	18	1.0	0.20	1	03/15/22 19:06	
1,1-Dichloroethene (1,1-DCE)	6.2	1.0	0.20	1	03/15/22 19:06	
Tetrachloroethene (PCE)	0.37 J	1.0	0.21	1	03/15/22 19:06	
Trichloroethene (TCE)	58	1.0	0.20	1	03/15/22 19:06	
Vinyl Chloride	12	1.0	0.20	1	03/15/22 19:06	
cis-1,2-Dichloroethene	120	1.0	0.23	1	03/15/22 19:06	
trans-1,2-Dichloroethene	0.33 J	1.0	0.20	1	03/15/22 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	03/15/22 19:06	
Dibromofluoromethane	106	80 - 116	03/15/22 19:06	
Toluene-d8	101	87 - 121	03/15/22 19:06	

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2494.D
 Acq On : 15 Mar 2022 7:06 pm
 Operator : F.NAEGLER
 Sample : R2202100-005|1.0
 Misc : VERINA 7979 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:33:14 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

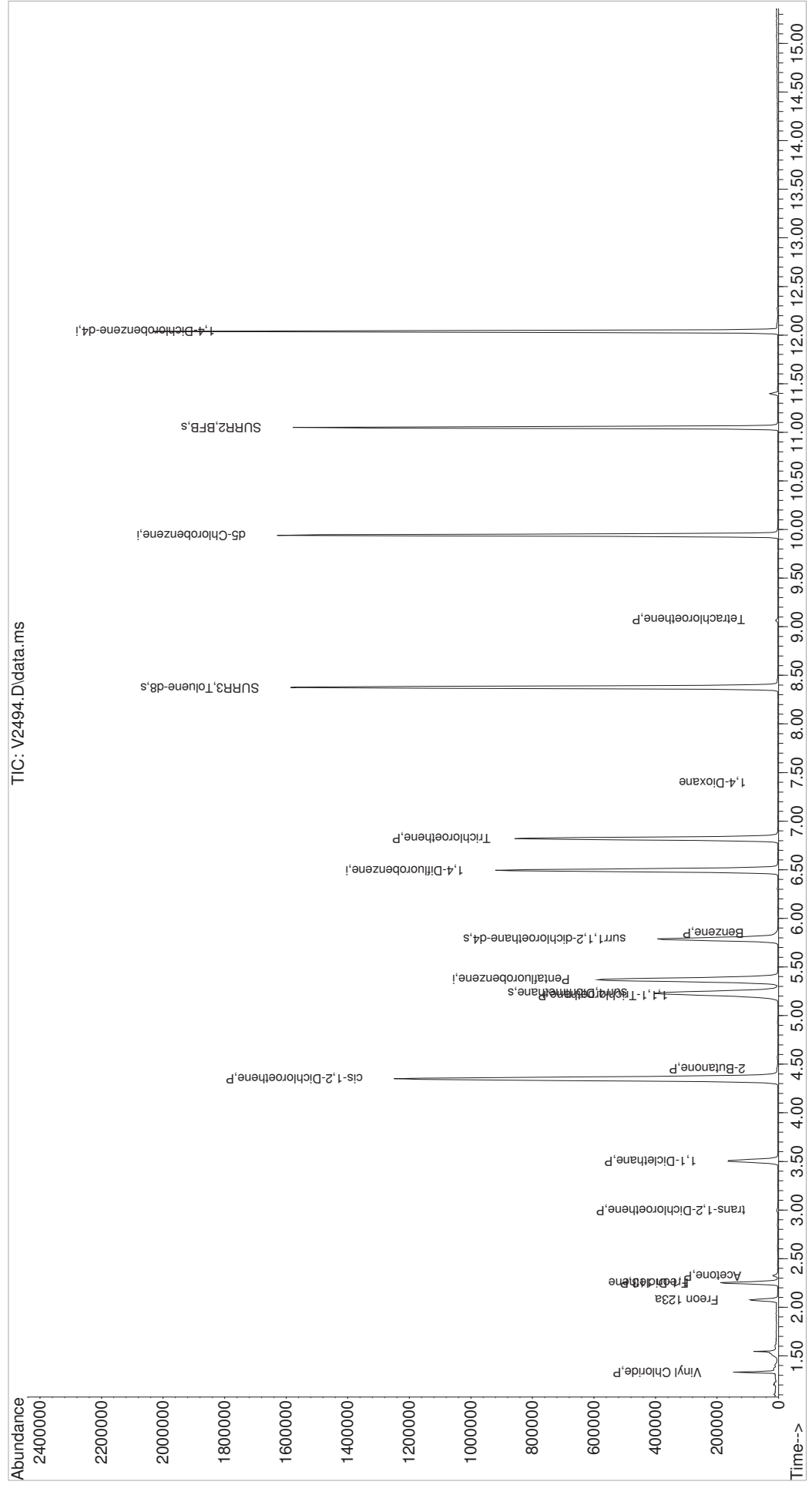
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene	5.374	168	577754	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.496	114	820953	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	750237	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.037	152	393118	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.234	113	273043	52.83	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	105.66%	
47) surr1,1,2-dichloroetha...	5.789	65	345710	54.18	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	108.36%	
64) SURR3,Toluene-d8	8.374	98	989472	50.71	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.42%	
69) SURR2,BFB	11.050	95	387906	51.25	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	102.50%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.332	62	69823	12.04	ug/L	99
5) Bromomethane	1.558	94	350	Below	Cal	80
10) Freon 123a	2.076	67	33118	5.73	ug/L	85
13) 1,1-Dicethene	2.253	96	28957	6.16	ug/L	96
14) Freon 113	2.253	101	33453	7.01	ug/L	98
15) Acetone	2.326	43	14961	4.25	ug/L	87
26) trans-1,2-Dichloroethene	2.997	96	1681	0.33	ug/L #	80
27) 1,1-Dicethane	3.503	63	168592	17.53	ug/L	99
33) cis-1,2-Dichloroethene	4.350	96	725477	121.87	ug/L	89
34) 2-Butanone	4.460	43	4161	0.82	ug/L	77
40) 1,1,1-Trichloroethane	5.210	97	114636	13.91	ug/L	99
48) Benzene	5.850	78	7298	0.36	ug/L	78
53) Trichloroethene	6.825	130	316738	57.61	ug/L	96
57) 1,4-Dioxane	7.398	88	333	2.58	ug/L	89
71) Tetrachloroethene	9.075	164	1503	0.37	ug/L #	58

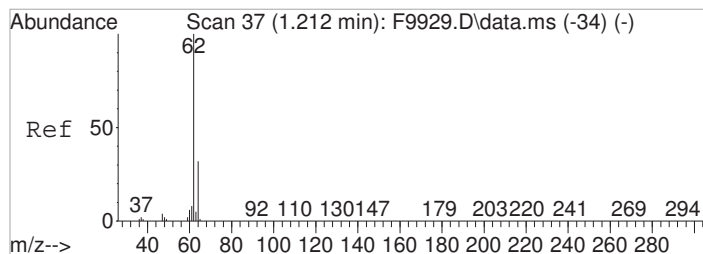
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2494.D
 Acq On : 15 Mar 2022 7:06 pm
 Operator : F.NAEGLER
 Sample : R2202100-005|1.0
 Misc : VERINA 7979 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA14

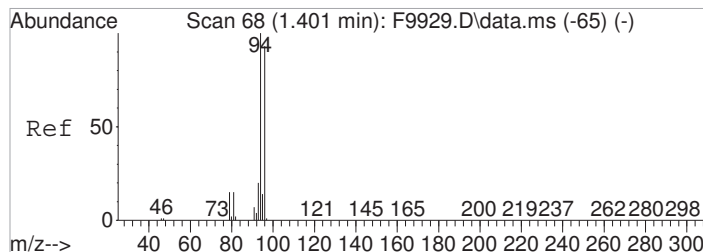
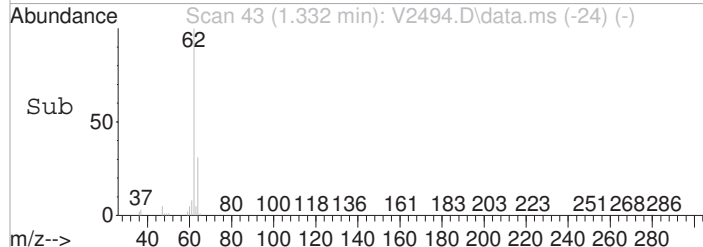
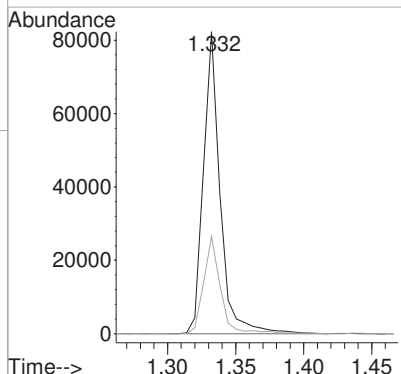
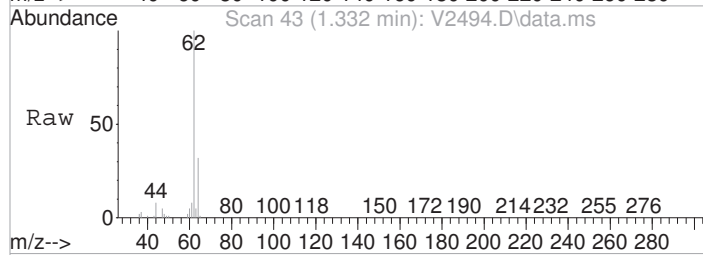
Quant Time: Mar 16 16:33:14 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration





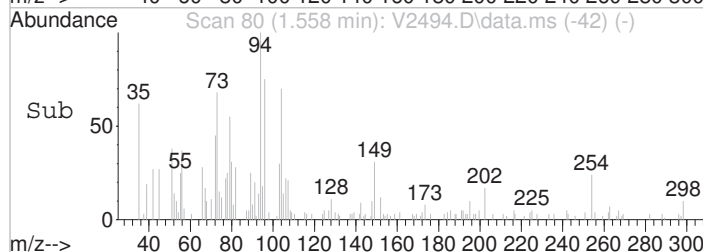
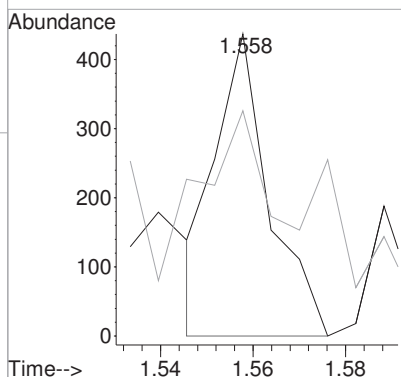
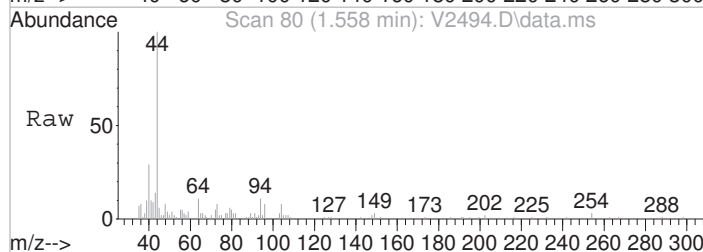
#4
 Vinyl Chloride
 Concen: 12.04 ug/L
 RT: 1.332 min Scan# 43
 Delta R.T. -0.002 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

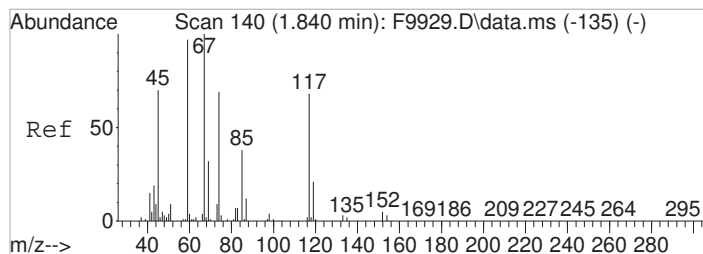
Tgt Ion: 62 Resp: 69823
 Ion Ratio Lower Upper
 62 100
 64 32.2 11.6 51.6



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.558 min Scan# 80
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

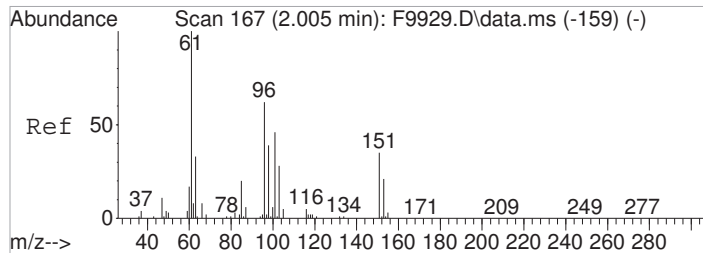
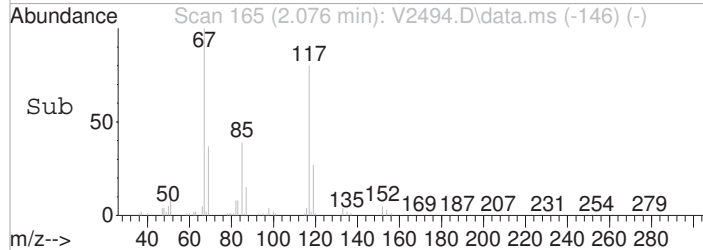
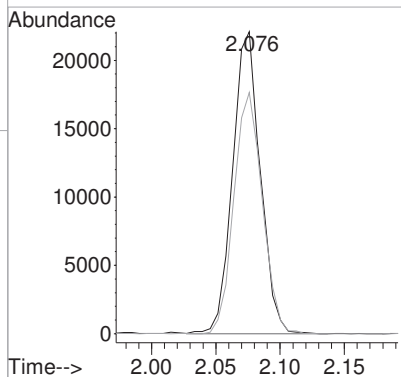
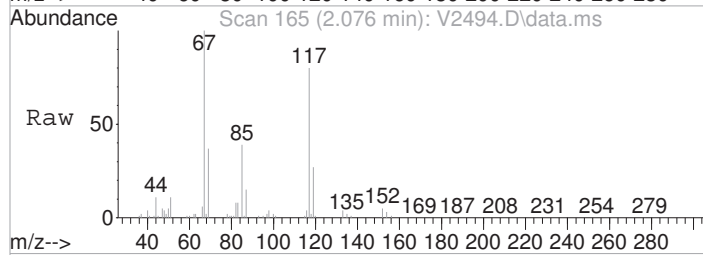
Tgt Ion: 94 Resp: 350
 Ion Ratio Lower Upper
 94 100
 96 74.6 73.5 113.5





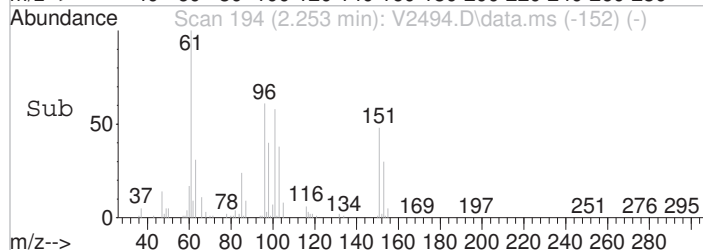
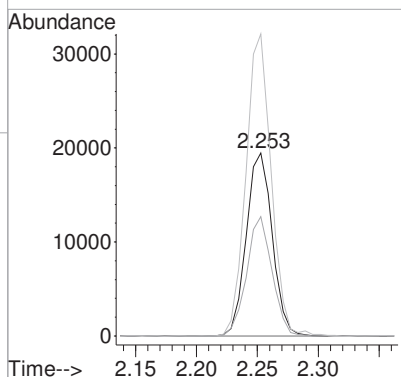
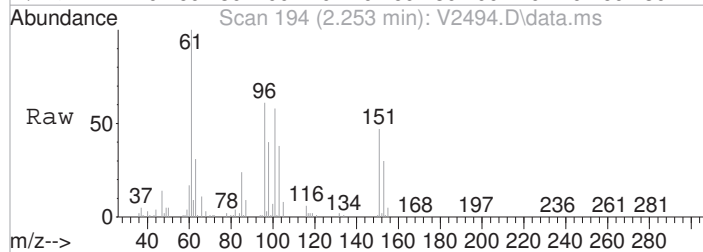
#10
 Freon 123a
 Concen: 5.73 ug/L
 RT: 2.076 min Scan# 165
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

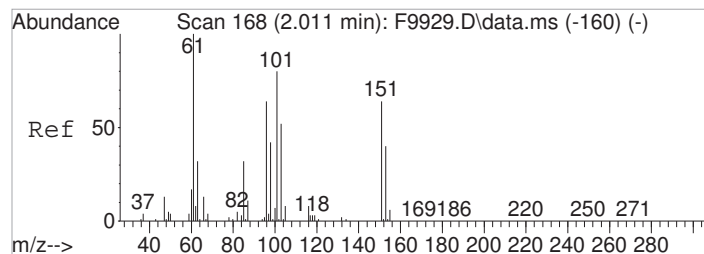
Tgt Ion: 67 Resp: 33118
 Ion Ratio Lower Upper
 67 100
 117 79.8 47.9 87.9



#13
 1,1-Diclcethene
 Concen: 6.16 ug/L
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

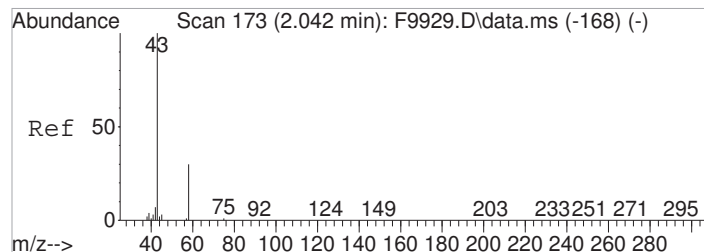
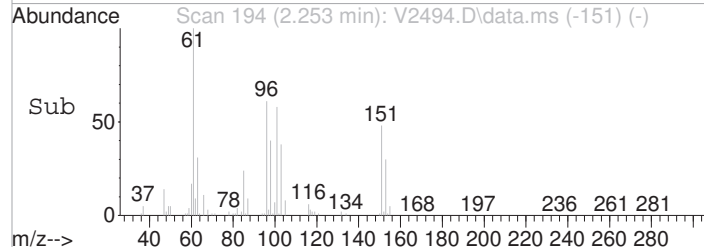
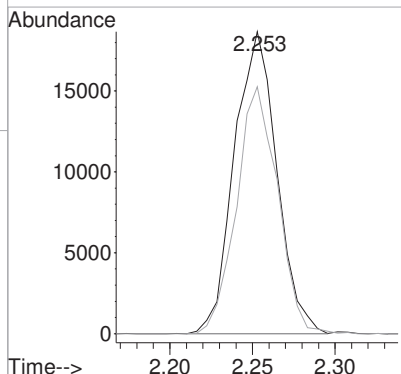
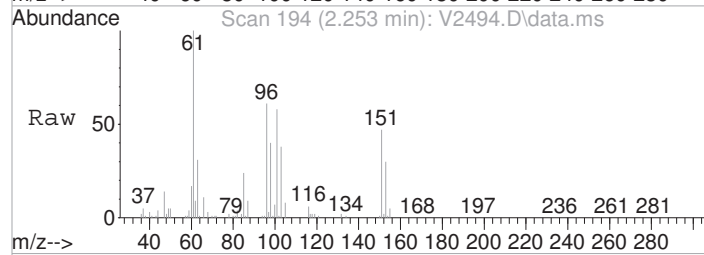
Tgt Ion: 96 Resp: 28957
 Ion Ratio Lower Upper
 96 100
 98 65.3 42.3 82.3
 61 165.1 140.5 180.5





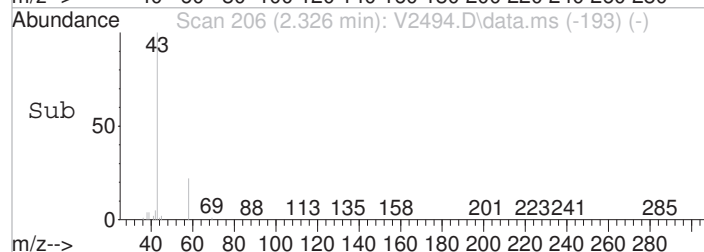
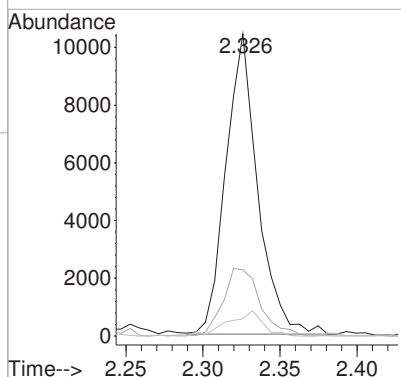
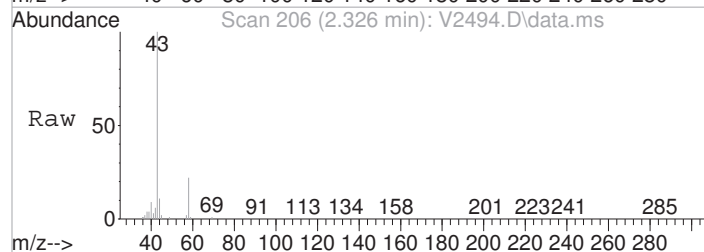
#14
 Freon 113
 Concen: 7.01 ug/L
 RT: 2.253 min Scan# 194
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

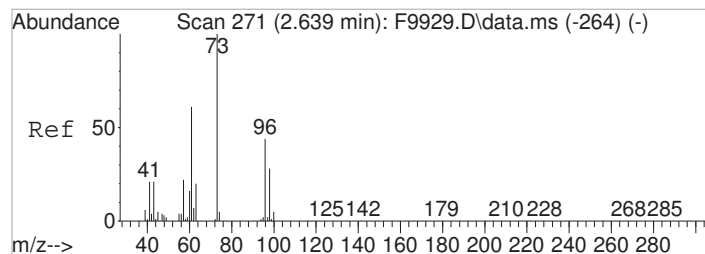
Tgt Ion: 101 Resp: 33453
 Ion Ratio Lower Upper
 101 100
 151 81.7 60.2 100.2



#15
 Acetone
 Concen: 4.25 ug/L
 RT: 2.326 min Scan# 206
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

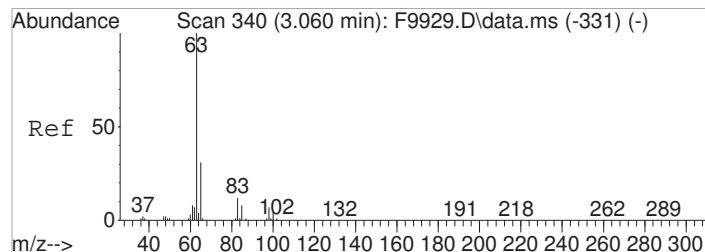
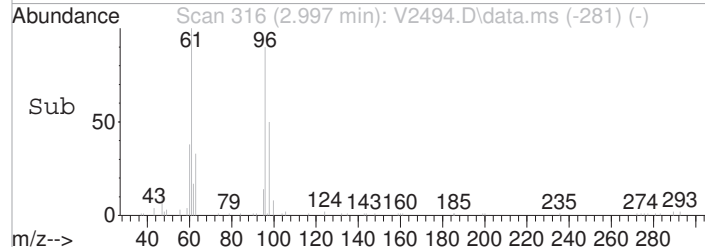
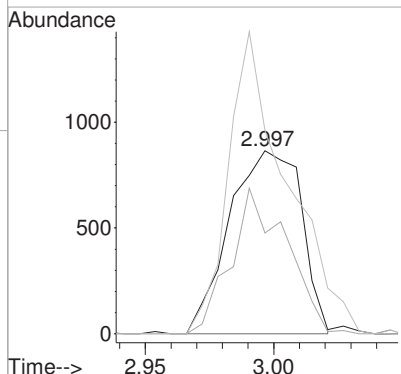
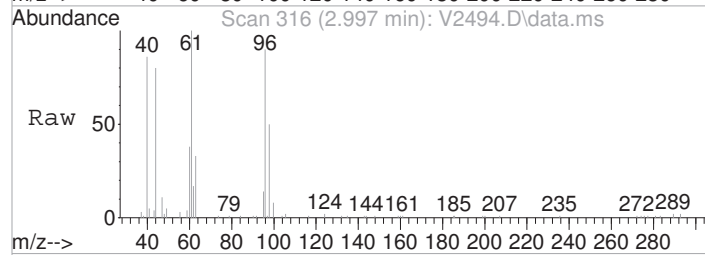
Tgt Ion: 43 Resp: 14961
 Ion Ratio Lower Upper
 43 100
 58 22.0 9.8 49.8
 42 5.6 0.0 27.4





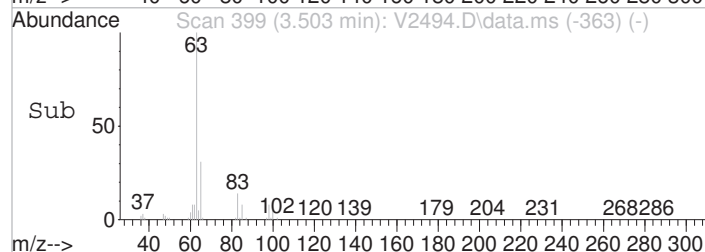
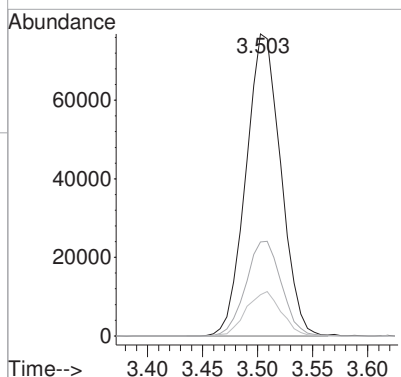
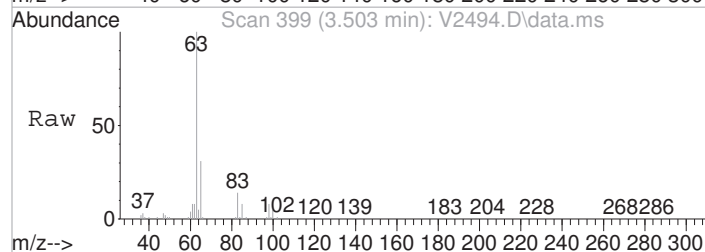
#26
 trans-1,2-Dichloroethene
 Concen: 0.33 ug/L
 RT: 2.997 min Scan# 316
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

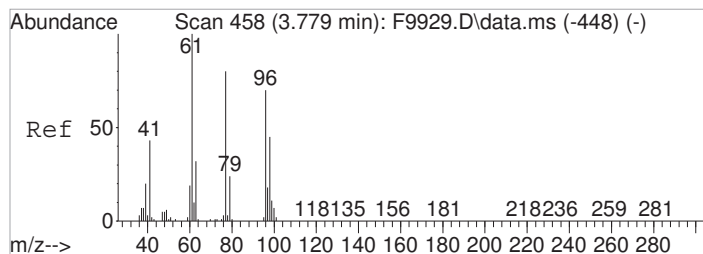
Tgt Ion	96	Resp	1681
Ion Ratio	Lower	Upper	
96	100		
98	55.0	43.9	83.9
61	111.0	119.3	159.3#



#27
 1,1-Dicethane
 Concen: 17.53 ug/L
 RT: 3.503 min Scan# 399
 Delta R.T. -0.002 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

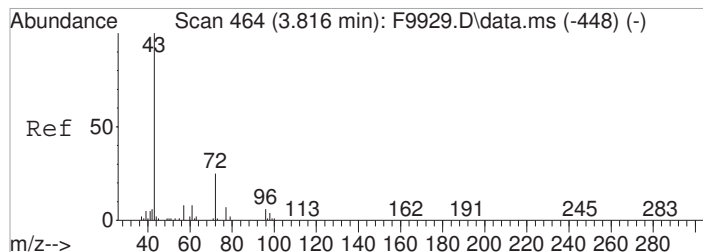
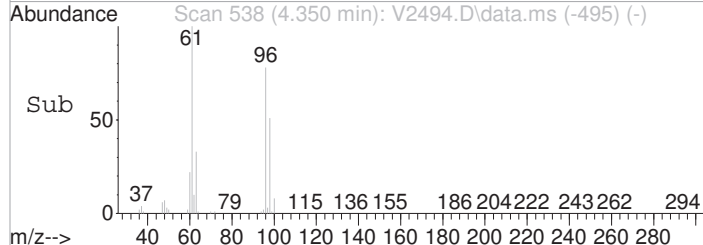
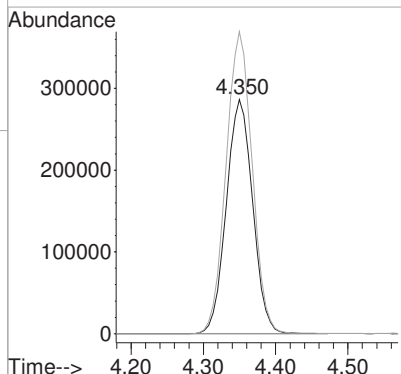
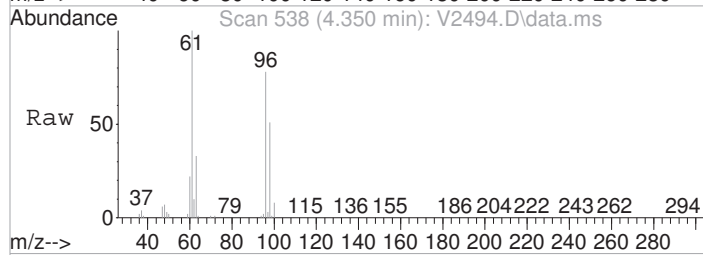
Tgt Ion	63	Resp	168592
Ion Ratio	Lower	Upper	
63	100		
65	31.1	11.1	51.1
83	13.7	0.0	32.5





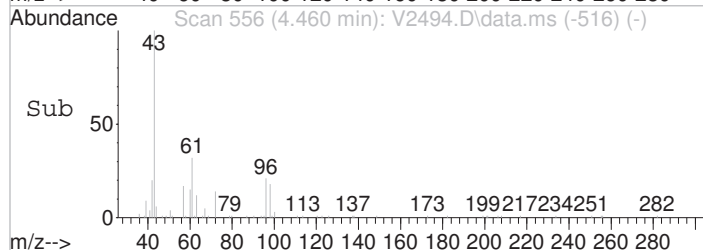
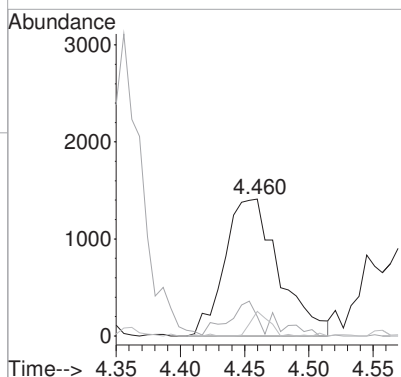
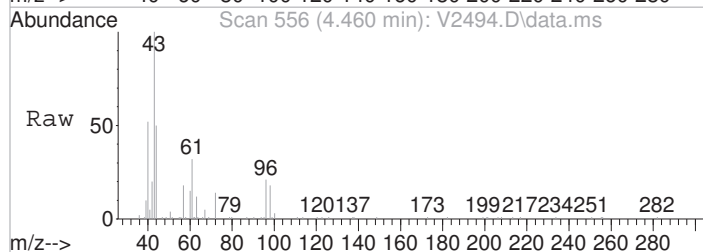
#33
 cis-1,2-Dichloroethene
 Concen: 121.87 ug/L
 RT: 4.350 min Scan# 538
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

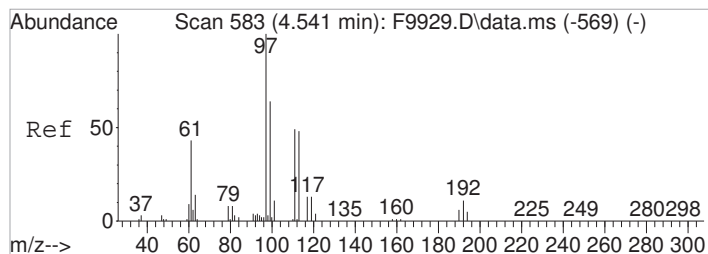
Tgt Ion: 96 Resp: 725477
 Ion Ratio Lower Upper
 96 100
 61 129.0 122.3 162.3



#34
 2-Butanone
 Concen: 0.82 ug/L
 RT: 4.460 min Scan# 556
 Delta R.T. 0.022 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

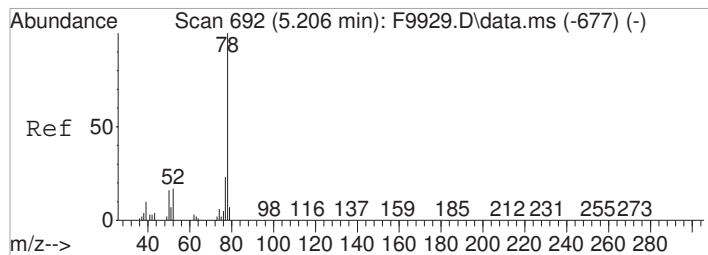
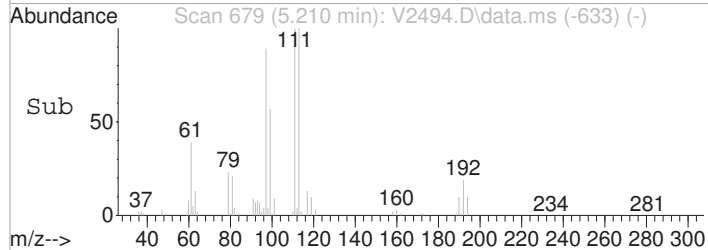
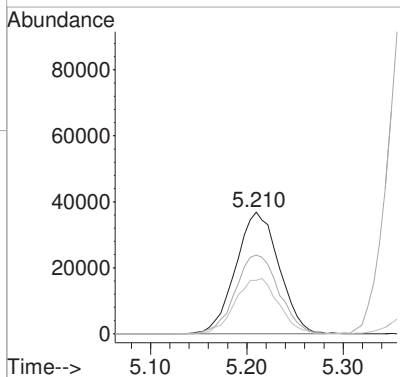
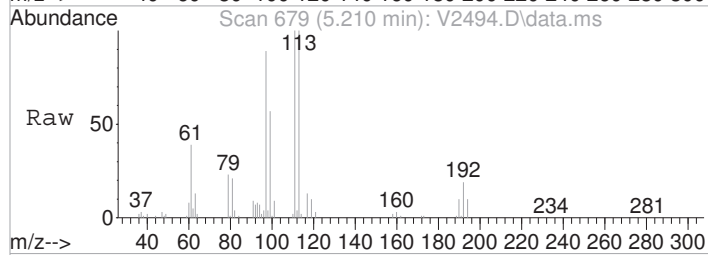
Tgt Ion: 43 Resp: 4161
 Ion Ratio Lower Upper
 43 100
 72 14.3 4.7 44.7
 57 17.9 0.0 27.5





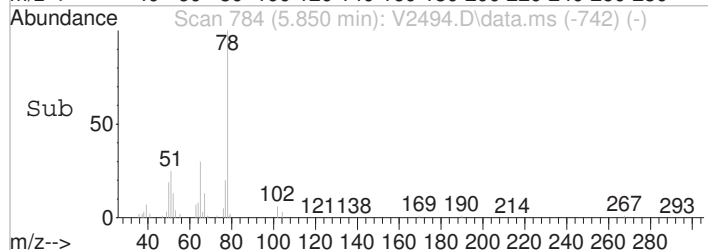
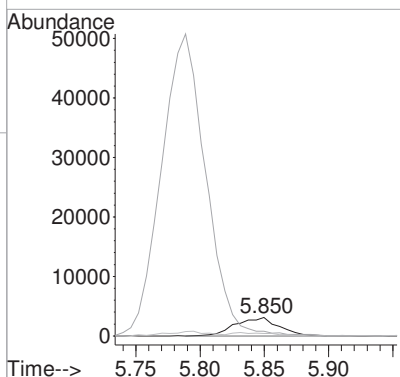
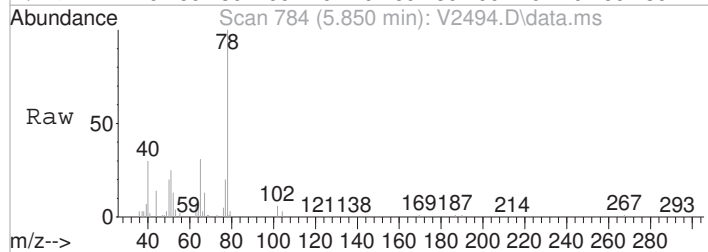
#40
 1,1,1-Trichloroethane
 Concen: 13.91 ug/L
 RT: 5.210 min Scan# 679
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

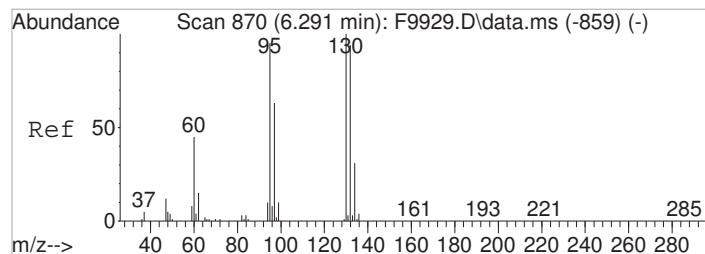
Tgt Ion	97	Resp	114636
Ion Ratio	Lower	Upper	
97	100		
99	64.7	43.6	83.6
61	44.0	23.0	63.0



#48
 Benzene
 Concen: 0.36 ug/L
 RT: 5.850 min Scan# 784
 Delta R.T. 0.010 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

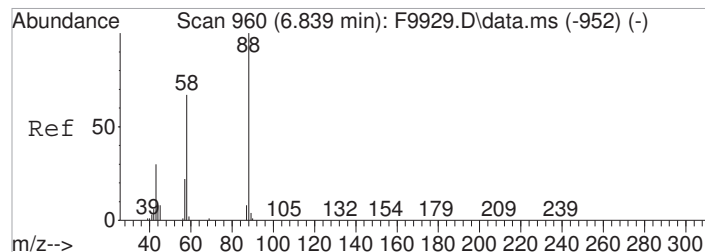
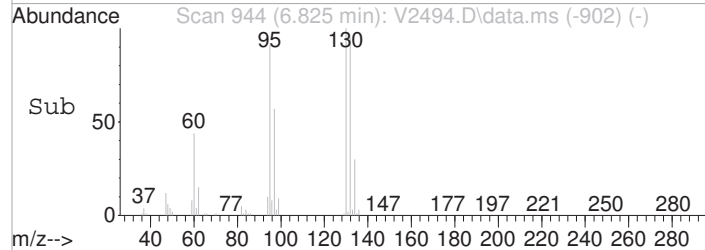
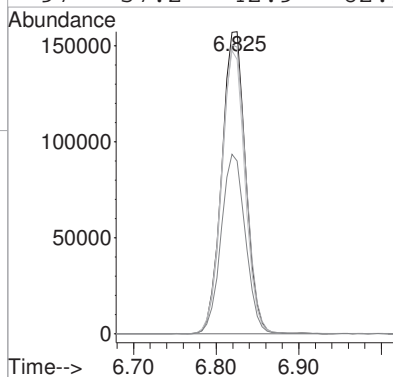
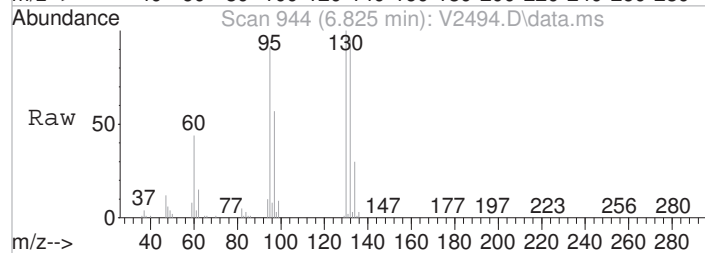
Tgt Ion	78	Resp	7298
Ion Ratio	Lower	Upper	
78	100		
51	24.8	0.0	27.1
52	12.9	0.0	36.8





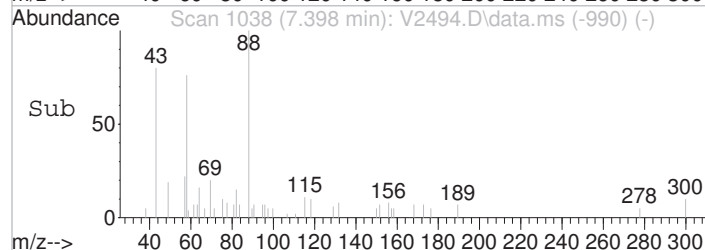
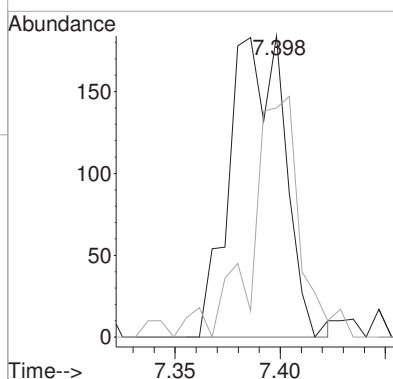
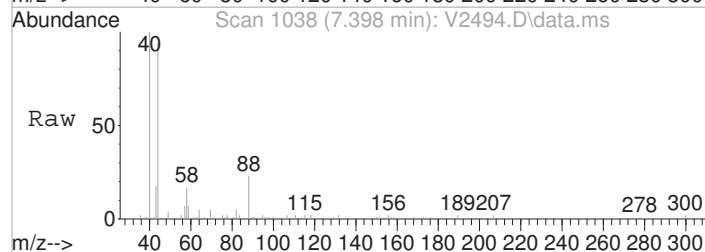
#53
 Trichloroethene
 Concen: 57.61 ug/L
 RT: 6.825 min Scan# 944
 Delta R.T. 0.004 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

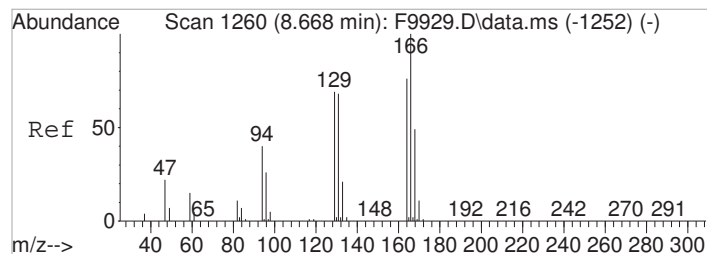
Tgt Ion	Ratio	Lower	Upper
130	100		
132	94.9	73.8	113.8
95	90.8	75.4	115.4
97	57.2	42.9	82.9



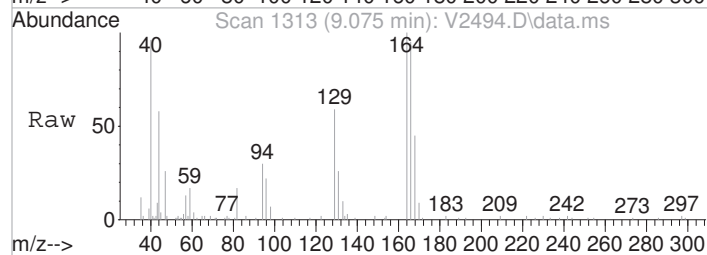
#57
 1,4-Dioxane
 Concen: 2.58 ug/L
 RT: 7.398 min Scan# 1038
 Delta R.T. 0.034 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm

Tgt Ion	Ratio	Lower	Upper
88	100		
58	76.1	47.1	87.1

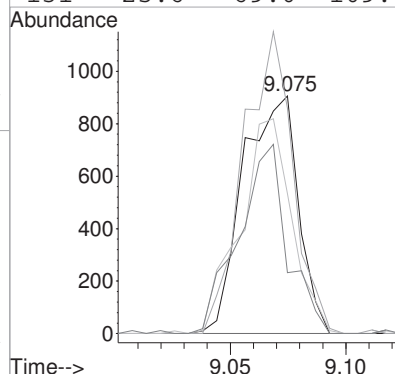
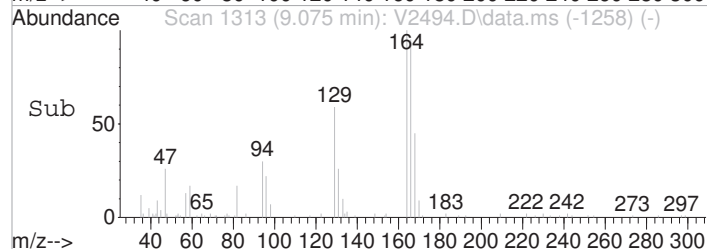




#71
 Tetrachloroethene
 Concen: 0.37 ug/L
 RT: 9.075 min Scan# 1313
 Delta R.T. 0.010 min
 Lab File: V2494.D
 Acq: 15 Mar 2022 7:06 pm



Tgt Ion:	164	Resp:	1503
Ion Ratio	Lower	Upper	
164	100		
166	94.8	111.5	151.5#
129	58.9	71.1	111.1#
131	25.6	69.0	109.0#



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2477.D
Acq On : 15 Mar 2022 12:46 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:06:37 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\E060121.M
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Jun 01 12:18:16 2021
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.368	168	594878	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.490	114	855646	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.940	117	778280	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	12.038	152	405822	50.00	ug/L	0.00

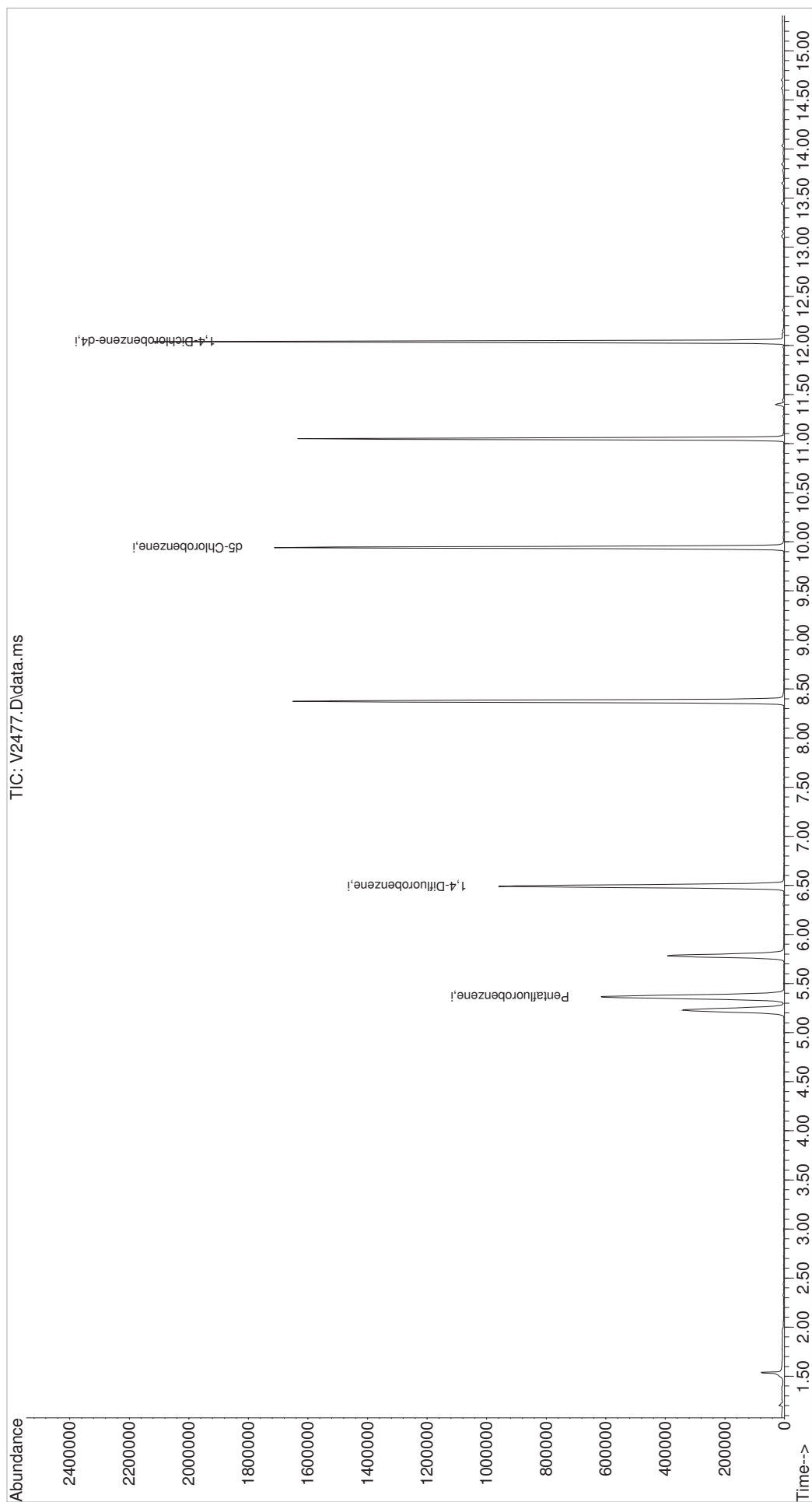
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2477.D
Acq On : 15 Mar 2022 12:46 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:06:37 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\E060121.M
Quant Title : MS#14 - 8260 WATERS 5mL Purge
Qlast Update : Tue Jun 01 12:18:16 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2477.D
 Acq On : 15 Mar 2022 12:46 pm
 Operator : F.NAEGLER
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 16 16:05:53 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

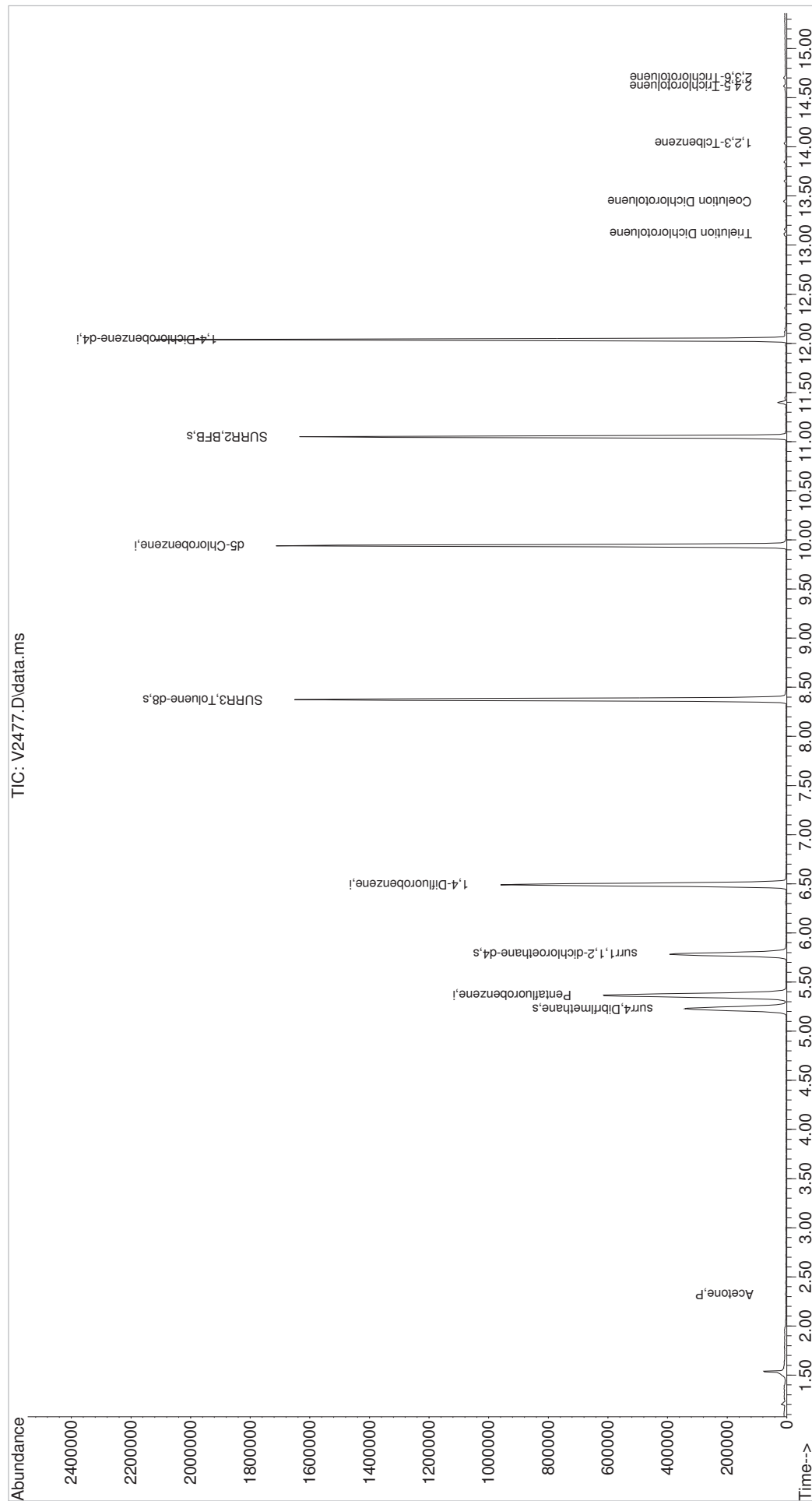
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

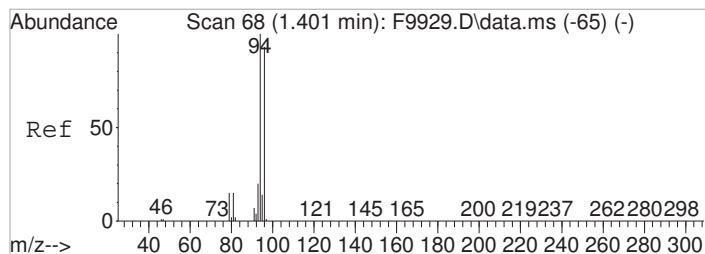
Internal Standards						
1) Pentafluorobenzene	5.368	168	594878	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.490	114	855646	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	778280	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	405822	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.228	113	282057	52.36	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	104.72%	
47) surr1,1,2-dichloroetha...	5.783	65	352073	52.94	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	105.88%	
64) SURR3,Toluene-d8	8.374	98	1023103	50.31	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	100.62%	
69) SURR2,BFB	11.050	95	398691	50.54	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	101.08%	
Target Compounds						
5) Bromomethane	1.527	94	327	Below Cal	#	64
15) Acetone	2.320	43	2073	0.57	ug/L	88
111) Trielution Dichlorotol...	13.117	125	3455	0.32	ug/L	91
113) Coelution Dichlorotoluene	13.446	125	2990	0.25	ug/L	87
117) 1,2,3-Tclbenzene	14.037	180	1981	0.22	ug/L	# 76
118) 2,4,5-Trichlorotoluene	14.616	159	1411	0.22	ug/L	88
119) 2,3,6-Trichlorotoluene	14.708	159	1314	0.22	ug/L	91

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

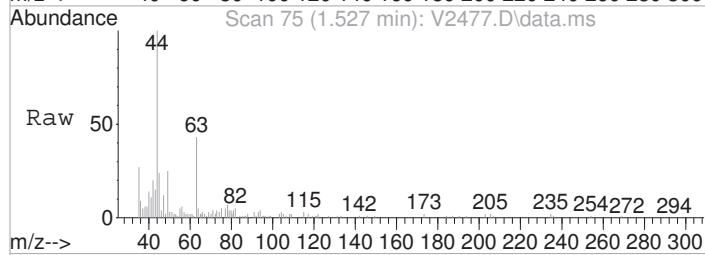
Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2477.D
 Acq On : 15 Mar 2022 12:46 pm
 Operator : F.NAEGLER
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 Inst : MSVOA14

Quant Time: Mar 16 16:05:53 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

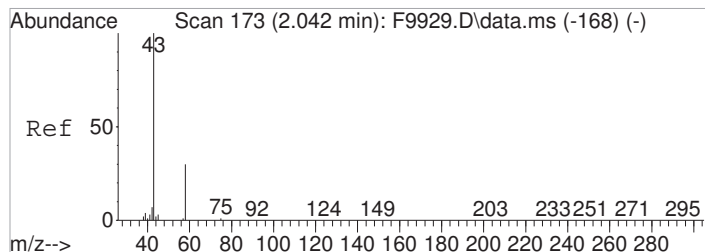
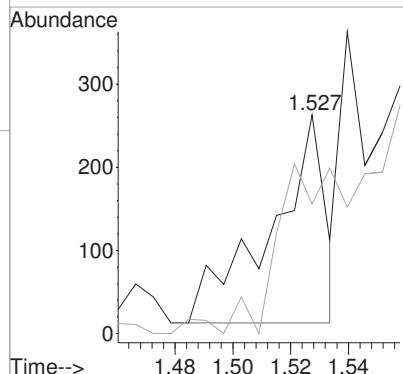
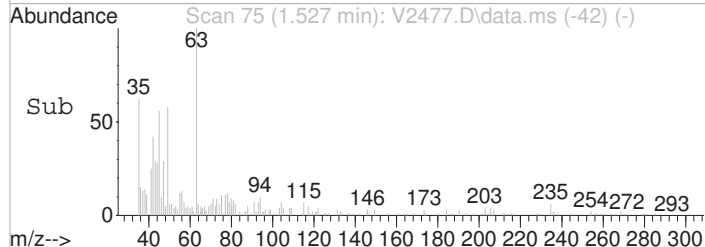




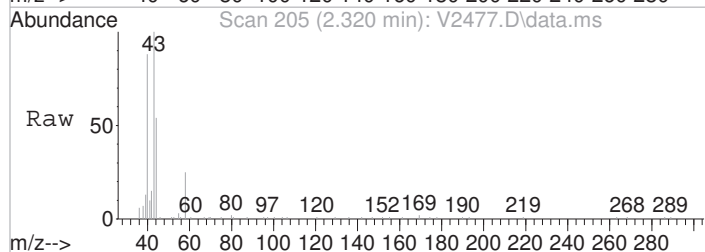
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.527 min Scan# 75
 Delta R.T. -0.027 min
 Lab File: V2477.D
 Acq: 15 Mar 2022 12:46 pm



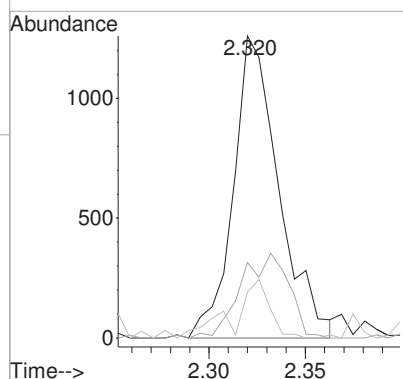
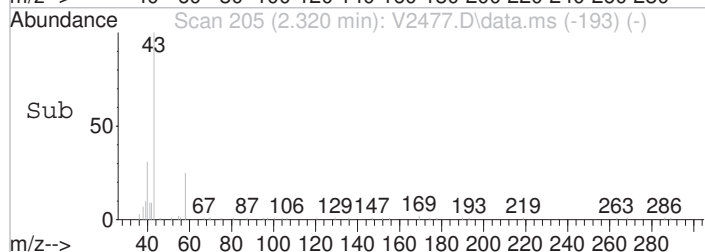
Tgt Ion: 94 Resp: 327
 Ion Ratio Lower Upper
 94 100
 96 59.3 73.5 113.5#

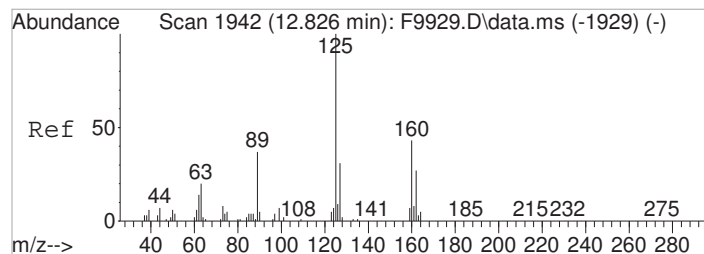


#15
 Acetone
 Concen: 0.57 ug/L
 RT: 2.320 min Scan# 205
 Delta R.T. -0.002 min
 Lab File: V2477.D
 Acq: 15 Mar 2022 12:46 pm



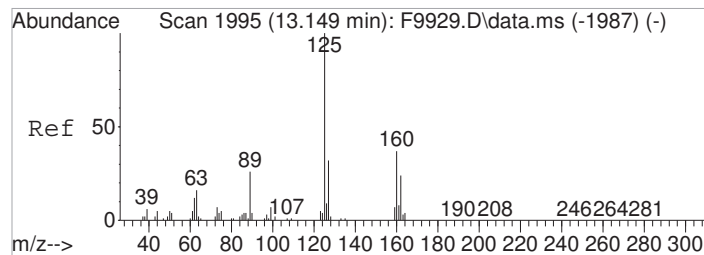
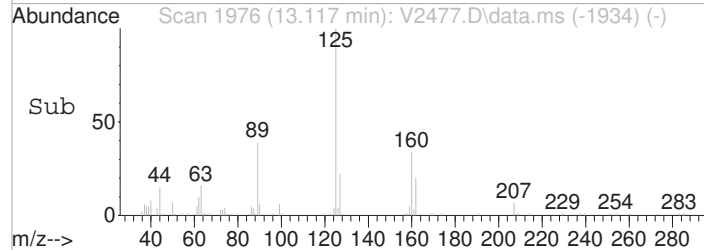
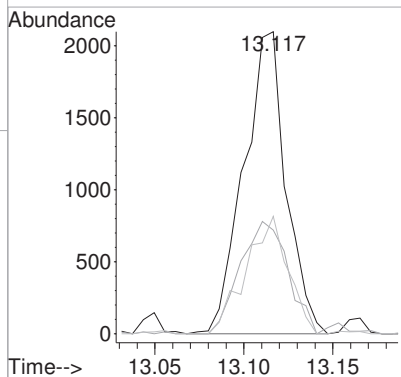
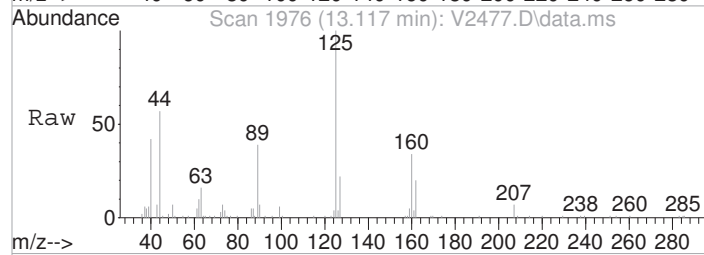
Tgt Ion: 43 Resp: 2073
 Ion Ratio Lower Upper
 43 100
 58 25.0 9.8 49.8
 42 15.2 0.0 27.4





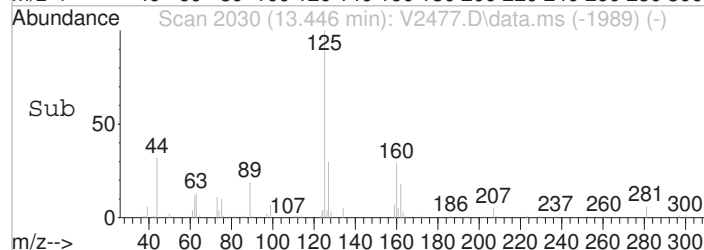
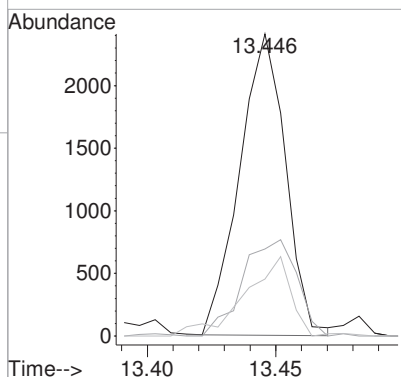
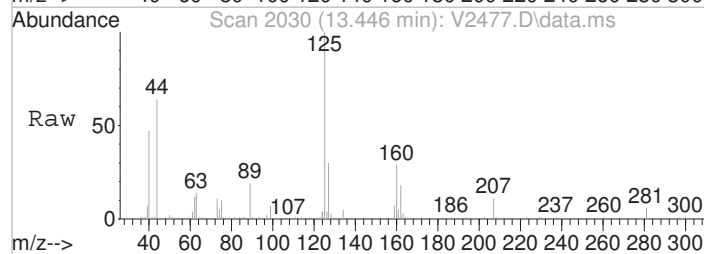
#111
 Trielution Dichlorotoluene
 Concen: 0.32 ug/L
 RT: 13.117 min Scan# 1976
 Delta R.T. 0.004 min
 Lab File: V2477.D
 Acq: 15 Mar 2022 12:46 pm

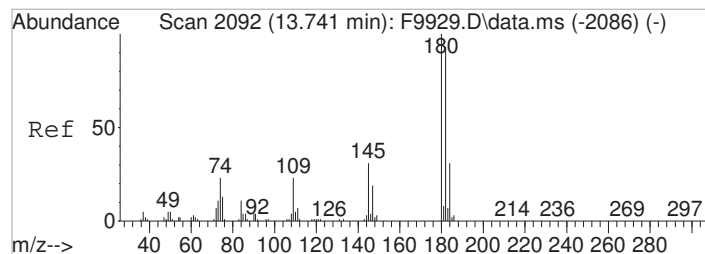
Tgt Ion	125	Resp:	3455
Ion Ratio	Lower	Upper	
125	100		
160	34.3	23.4	63.4
89	38.9	17.3	57.3



#113
 Coelution Dichlorotoluene
 Concen: 0.25 ug/L
 RT: 13.446 min Scan# 2030
 Delta R.T. -0.002 min
 Lab File: V2477.D
 Acq: 15 Mar 2022 12:46 pm

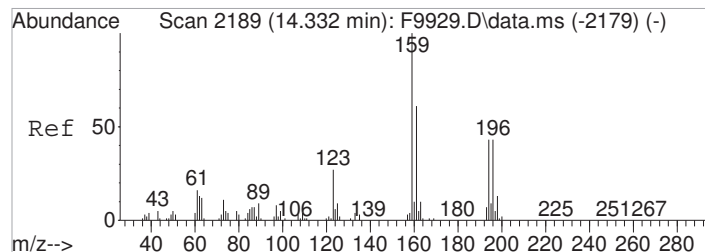
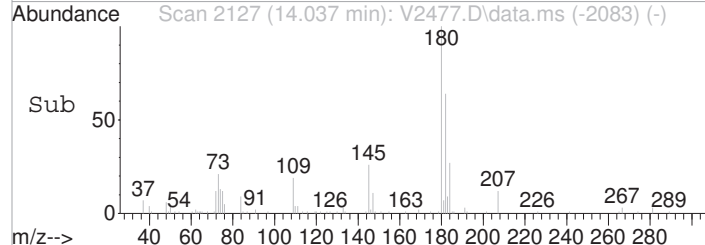
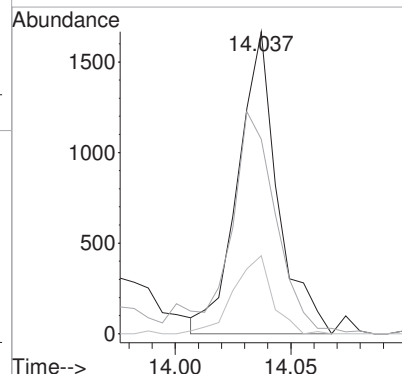
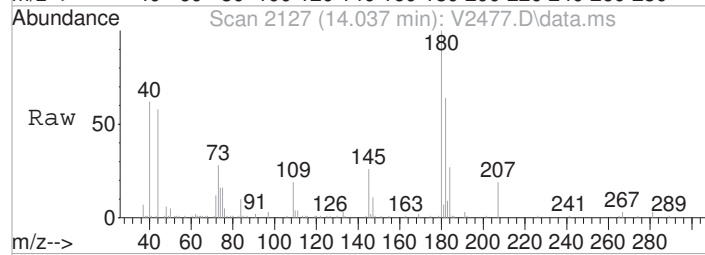
Tgt Ion	125	Resp:	2990
Ion Ratio	Lower	Upper	
125	100		
160	28.8	16.8	56.8
89	18.8	5.6	45.6





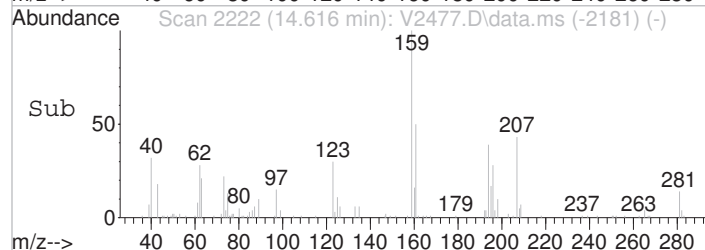
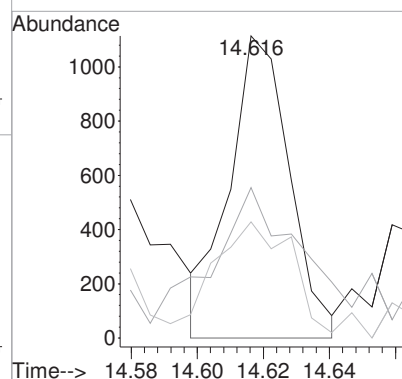
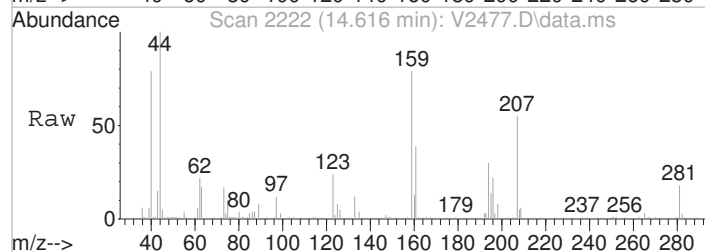
#117
 1,2,3-Tclbenzene
 Concen: 0.22 ug/L
 RT: 14.037 min Scan# 2127
 Delta R.T. -0.002 min
 Lab File: V2477.D
 Acq: 15 Mar 2022 12:46 pm

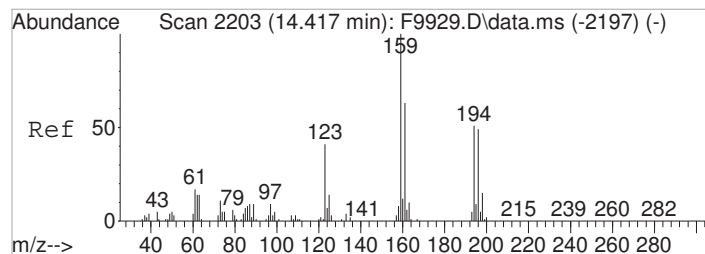
Tgt Ion	Ratio	Lower	Upper
180	100		
182	64.4	72.6	112.6#
145	25.9	10.9	50.9



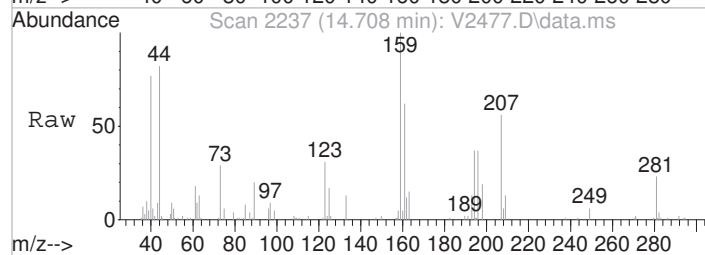
#118
 2,4,5-Trichlorotoluene
 Concen: 0.22 ug/L
 RT: 14.616 min Scan# 2222
 Delta R.T. -0.002 min
 Lab File: V2477.D
 Acq: 15 Mar 2022 12:46 pm

Tgt Ion	Ratio	Lower	Upper
159	100		
161	49.8	40.9	80.9
194	38.5	23.4	63.4

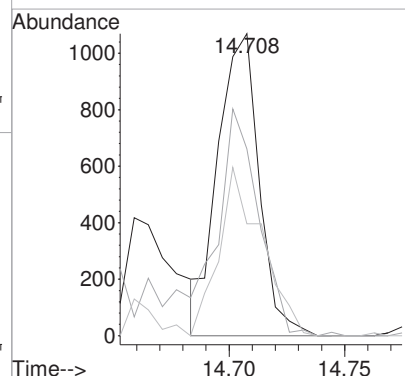
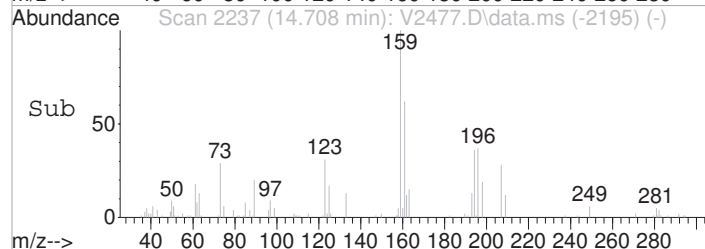




#119
 2,3,6-Trichlorotoluene
 Concen: 0.22 ug/L
 RT: 14.708 min Scan# 2237
 Delta R.T. 0.004 min
 Lab File: V2477.D
 Acq: 15 Mar 2022 12:46 pm



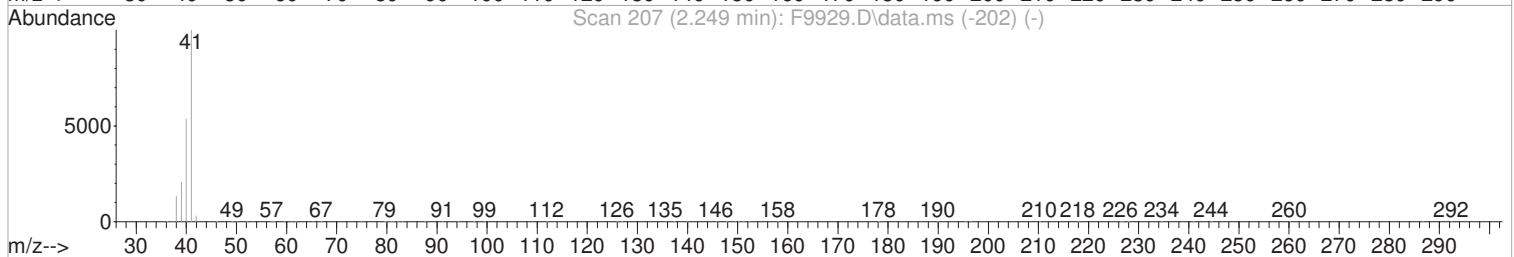
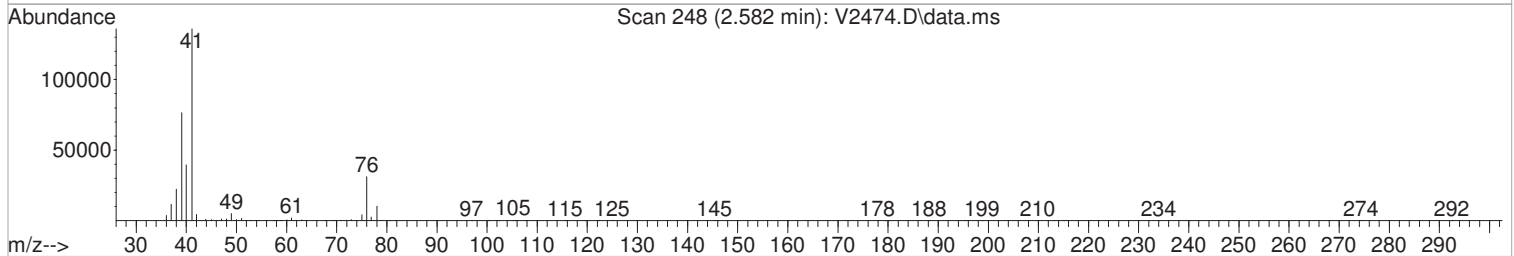
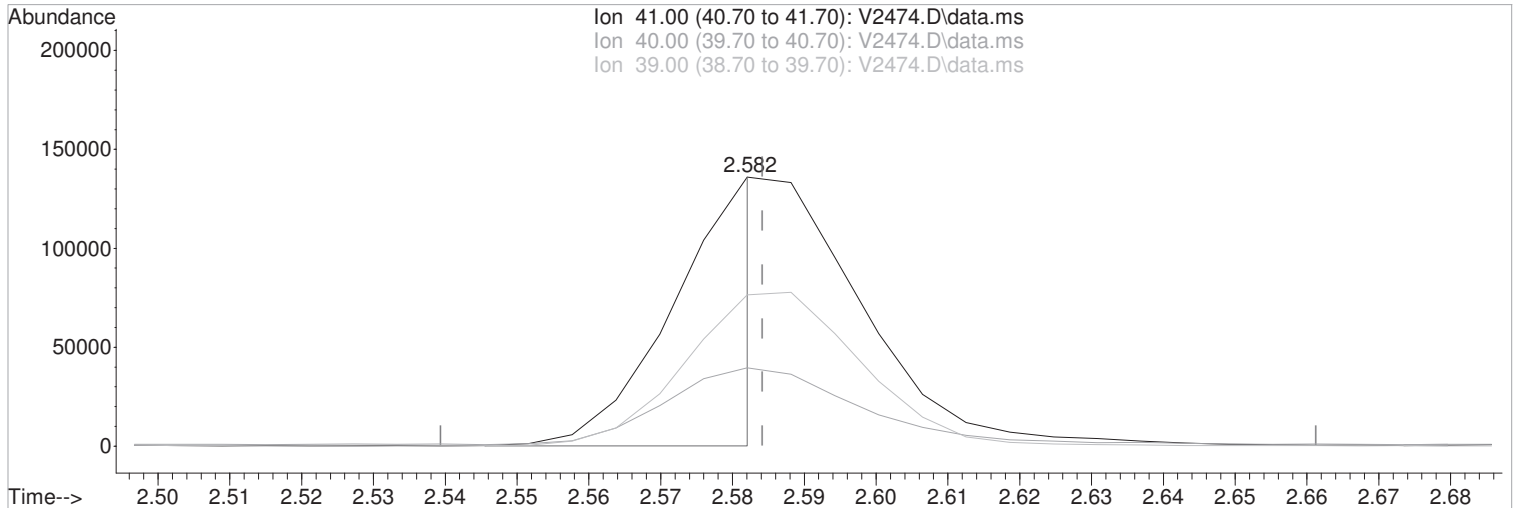
Tgt Ion:159	Resp:	1314
Ion Ratio	Lower	Upper
159	100	
161	61.8	42.7
194	38.2	30.7
		70.7



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2474.D
Acq On : 15 Mar 2022 11:16 am
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:30:56 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2474.D\data.ms

(19) Acetonitrile

2.582min (-0.002) 111.50 ug/L m

response 119213

Ion	Exp%	Act%
41.00	100	100
40.00	53.60	29.12#
39.00	20.70	56.27#
0.00	0.00	0.00

Manual Integration:

After

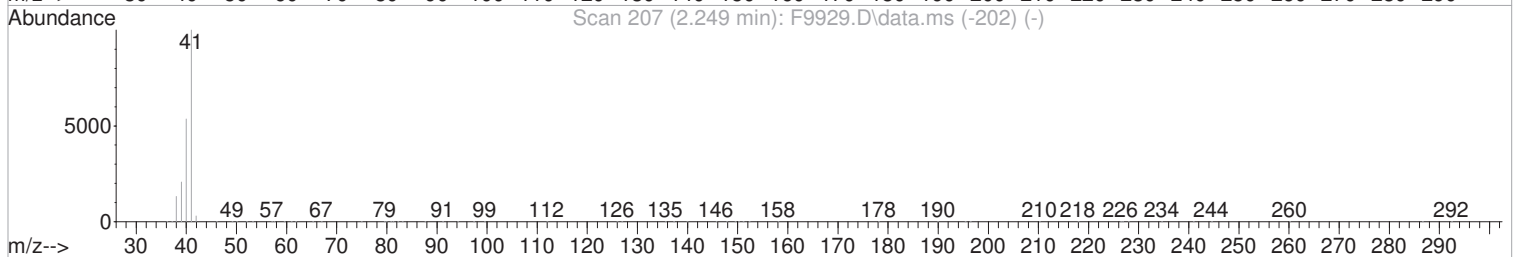
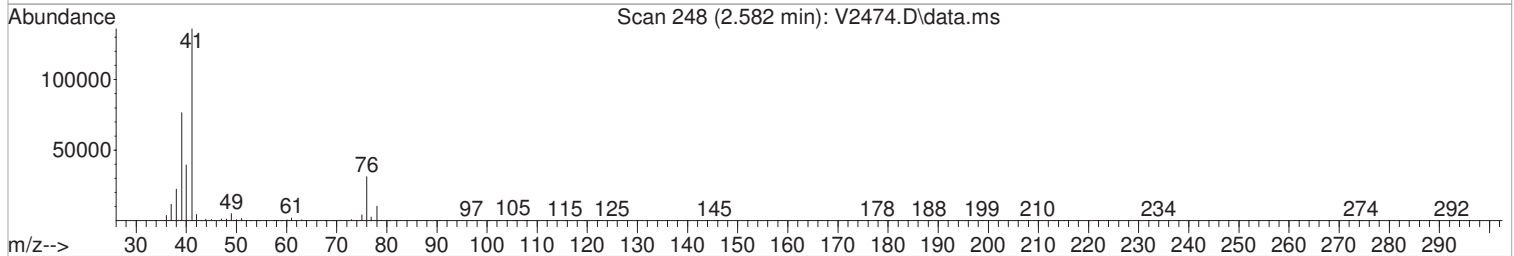
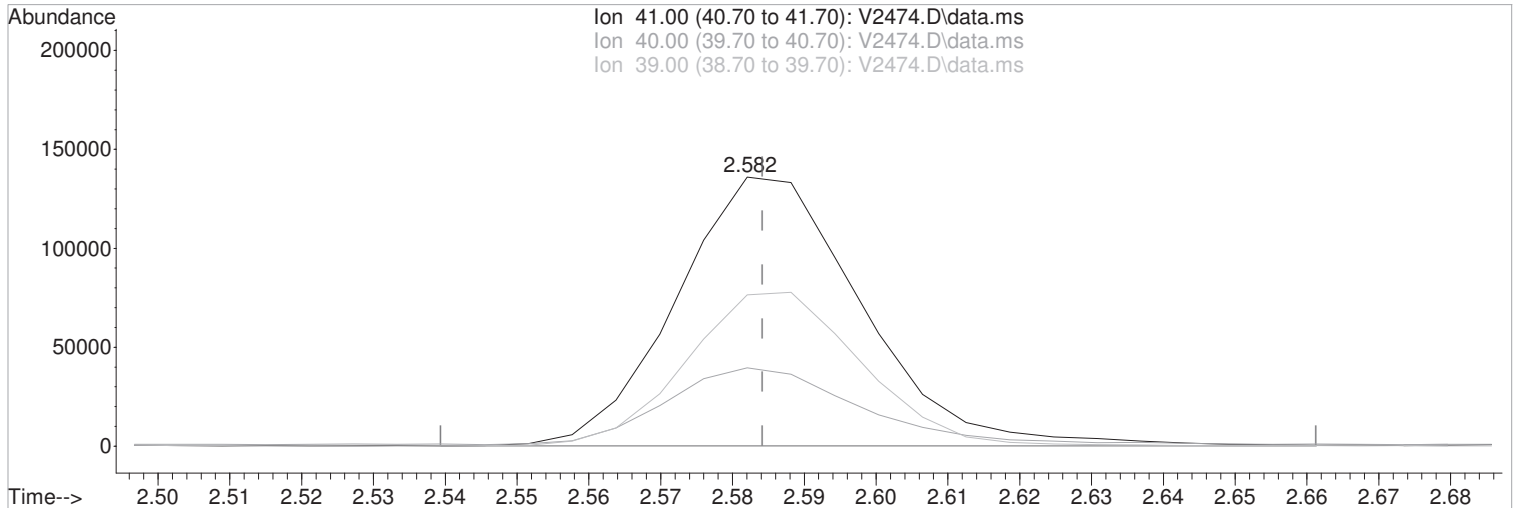
Poor integration.

03/15/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2474.D
Acq On : 15 Mar 2022 11:16 am
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:30:56 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2474.D\data.ms

(19) Acetonitrile

Manual Integration:

2.582min (-0.002) 229.16 ug/L

Before

response 244999

Ion	Exp%	Act%

03/15/22

41.00	100	100

40.00	53.60	29.12#

39.00	20.70	56.27#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2474.D
 Acq On : 15 Mar 2022 11:16 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:31:11 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.362	168	604782	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.490	114	865050	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	796329	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.038	152	427894	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.228	113	289154	53.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	106.20%
47) surr1,1,2-dichloroetha...	5.783	65	355601	52.89	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	105.78%
64) SURR3,Toluene-d8	8.374	98	1044088	50.78	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.56%
69) SURR2,BFB	11.050	95	414599	51.98	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.96%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	114510	17.45	ug/L	96
3) Chloromethane	1.271	50	112994	18.89	ug/L	100
4) Vinyl Chloride	1.332	62	119534	19.69	ug/L	99
5) Bromomethane	1.552	94	60998	12.90	ug/L	98
6) Chloroethane	1.637	64	83167	22.86	ug/L	97
7) Freon 21	1.790	67	180749	18.62	ug/L	99
8) Trichlorofluoromethane	1.826	101	174150	22.07	ug/L	98
9) Diethyl Ether	2.064	59	91277	17.26	ug/L	95
10) Freon 123a	2.070	67	117175	19.36	ug/L	91
11) Freon 123	2.125	83	127695	18.01	ug/L	94
12) Acrolein	2.180	56	53868	33.38	ug/L	100
13) 1,1-Dicethene	2.247	96	93239	18.96	ug/L	92
14) Freon 113	2.253	101	96493	19.32	ug/L	97
15) Acetone	2.320	43	54564	14.79	ug/L	97
16) 2-Propanol	2.460	45	214164	270.96	ug/L	90
17) Iodomethane	2.387	142	119996	16.34	ug/L	94
18) Carbon Disulfide	2.442	76	225369	17.13	ug/L	100
19) Acetonitrile	2.582	41	119213m	111.50	ug/L	
20) Allyl Chloride	2.588	76	54277	17.38	ug/L	# 1
21) Methyl Acetate	2.625	43	108626	11.73	ug/L	99
22) Methylene Chloride	2.710	84	105922	17.28	ug/L	96
23) TBA	2.869	59	375599	290.40	ug/L	99
24) Acrylonitrile	2.991	53	269358	77.62	ug/L	98
25) Methyl-t-Butyl Ether	3.009	73	351862	17.23	ug/L	98
26) trans-1,2-Dichloroethene	2.991	96	101654	18.89	ug/L	99
27) 1,1-Dicethane	3.503	63	182766	18.15	ug/L	97
28) Vinyl Acetate	3.594	86	24351	26.50	ug/L	# 47
29) DIPE	3.612	45	320603	17.35	ug/L	# 57
30) 2-Chloro-1,3-Butadiene	3.612	53	154604	19.45	ug/L	98
31) ETBE	4.143	59	307360	16.40	ug/L	96
32) 2,2-Dichloropropane	4.326	77	169125	19.18	ug/L	96
33) cis-1,2-Dichloroethene	4.344	96	117414	18.84	ug/L	99
34) 2-Butanone	4.435	43	68308	12.89	ug/L	98
35) Propionitrile	4.539	54	115867	79.12	ug/L	100
36) Bromochloromethane	4.746	130	79711	19.03	ug/L	91
37) Methacrylonitrile	4.789	67	57403	15.86	ug/L	88
38) Tetrahydrofuran	4.868	42	44814	14.33	ug/L	96
39) Chloroform	4.929	83	191799	18.70	ug/L	96
40) 1,1,1-Trichloroethane	5.210	97	175996	20.40	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2474.D
 Acq On : 15 Mar 2022 11:16 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:31:11 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	6.087	73	327849	17.84	ug/L	98
43) Cyclohexane	5.264	41	91046	18.05	ug/L	89
45) Carbontetrachloride	5.478	117	154752	22.46	ug/L	98
46) 1,1-Dichloropropene	5.502	75	141810	20.77	ug/L	98
48) Benzene	5.838	78	394424	18.55	ug/L	87
49) 1,2-Dichloroethane	5.905	62	165472	19.76	ug/L	96
50) Iso-Butyl Alcohol	5.923	43	145364	270.64	ug/L	95
51) n-Heptane	6.313	43	114279	17.08	ug/L	96
52) 1-Butanol	6.910	56	226478	705.64	ug/L	97
53) Trichloroethene	6.819	130	119940	20.70	ug/L	97
54) Methylcyclohexane	7.039	55	120525	17.67	ug/L	99
55) 1,2-Diclpropane	7.130	63	103337	17.49	ug/L	100
56) Dibromomethane	7.282	93	79743	20.45	ug/L	91
57) 1,4-Dioxane	7.362	88	44238	325.16	ug/L	95
58) Methyl Methacrylate	7.368	69	98085	17.87	ug/L	100
59) Bromodichloromethane	7.514	83	153717	20.39	ug/L	98
60) 2-Nitropropane	7.837	41	95430	45.25	ug/L	93
61) 2-Chloroethylvinyl Ether	7.947	63	64932	14.17	ug/L	91
62) cis-1,3-Dichloropropene	8.081	75	181531	20.60	ug/L	98
63) 4-Methyl-2-pentanone	8.313	43	139568	15.50	ug/L	97
65) Toluene	8.453	91	445614	19.68	ug/L	95
66) trans-1,3-Dichloropropene	8.752	75	173806	20.81	ug/L	97
67) Ethyl Methacrylate	8.898	69	148942	15.90	ug/L	98
68) 1,1,2-Trichloroethane	8.953	97	108988	19.29	ug/L	95
71) Tetrachloroethene	9.063	164	96177	22.23	ug/L	95
72) 2-Hexanone	9.270	43	103749	14.82	ug/L	98
73) 1,3-Dichloropropane	9.130	76	186649	18.79	ug/L	99
74) Dibromochloromethane	9.367	129	125532	21.52	ug/L	98
75) N-Butyl Acetate	9.416	43	204641	15.37	ug/L	97
76) 1,2-Dibromoethane	9.465	107	118964	19.46	ug/L	100
77) 3-Chlorobenzotrifluoride	9.989	180	177541	21.59	ug/L	96
78) Chlorobenzene	9.971	112	305191	19.67	ug/L	96
79) 4-Chlorobenzotrifluoride	10.044	180	158200	21.33	ug/L	96
80) 1,1,1,2-Tetrachloroethane	10.062	131	120661	21.56	ug/L	96
81) Ethylbenzene	10.087	106	160634	20.54	ug/L	98
82) (m+p)Xylene	10.203	106	394957	40.33	ug/L	100
83) o-Xylene	10.574	106	192857	20.01	ug/L	92
84) Styrene	10.593	104	321195	19.47	ug/L	98
85) Bromoform	10.757	173	93120	20.86	ug/L	98
86) 2-Chlorobenzotrifluoride	10.837	180	168609	20.83	ug/L	97
87) Isopropylbenzene	10.916	105	486150	20.51	ug/L	98
88) Cyclohexanone	11.007	55	439482	299.83	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.251	53	42952	18.10	ug/L	93
91) 1,1,2,2-Tetrachloroethane	11.202	83	156240	17.50	ug/L	98
92) Bromobenzene	11.172	156	140891	20.87	ug/L	97
93) 1,2,3-Trichloropropane	11.233	110	56075	18.07	ug/L	98
94) n-Propylbenzene	11.282	91	589645	20.73	ug/L	98
95) 2-Chlorotoluene	11.343	91	346333	19.13	ug/L	99
96) 3-Chlorotoluene	11.403	91	356676	19.14	ug/L	97
97) 4-Chlorotoluene	11.440	91	406159	19.30	ug/L	99
98) 1,3,5-Trimethylbenzene	11.434	105	420337	19.13	ug/L	99
99) tert-Butylbenzene	11.714	119	367673	19.97	ug/L	99
100) 1,2,4-Trimethylbenzene	11.751	105	427980	19.44	ug/L	93
101) 3,4-Dichlorobenzotrifl...	11.818	214	136801	20.33	ug/L	98
102) sec-Butylbenzene	11.897	105	505878	19.38	ug/L	99
103) p-Isopropyltoluene	12.019	119	447967	19.51	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2474.D
 Acq On : 15 Mar 2022 11:16 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:31:11 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104)	1,3-Dclbenz	11.983	146	257162	20.22	ug/L	97
105)	1,4-Dclbenz	12.056	146	260032	19.43	ug/L	100
106)	2,4-Dichlorobenzotrifl...	12.111	214	126191	20.46	ug/L	99
107)	2,5-Dichlorobenzotrifl...	12.153	214	138742	19.83	ug/L	100
108)	n-Butylbenzene	12.355	91	386139	18.83	ug/L	96
109)	1,2-Dclbenz	12.367	146	257332	20.08	ug/L	96
110)	1,2-Dibromo-3-chloropr...	13.007	157	42080	17.48	ug/L	91
111)	Trielution Dichlorotol...	13.117	125	648543	56.59	ug/L	99
112)	1,3,5-Trichlorobenzene	13.159	180	193484	20.07	ug/L	96
113)	Coelution Dichlorotoluene	13.446	125	481826	37.98	ug/L	99
114)	1,2,4-Tcbenzene	13.653	180	194968	21.11	ug/L	96
115)	Hexachlorobt	13.781	225	87579	20.88	ug/L	98
116)	Naphthalen	13.848	128	542545	17.00	ug/L	99
117)	1,2,3-Tclbenzene	14.031	180	186151	20.03	ug/L	97
118)	2,4,5-Trichlorotoluene	14.616	159	127083	18.50	ug/L	99
119)	2,3,6-Trichlorotoluene	14.702	159	115143	18.40	ug/L	98

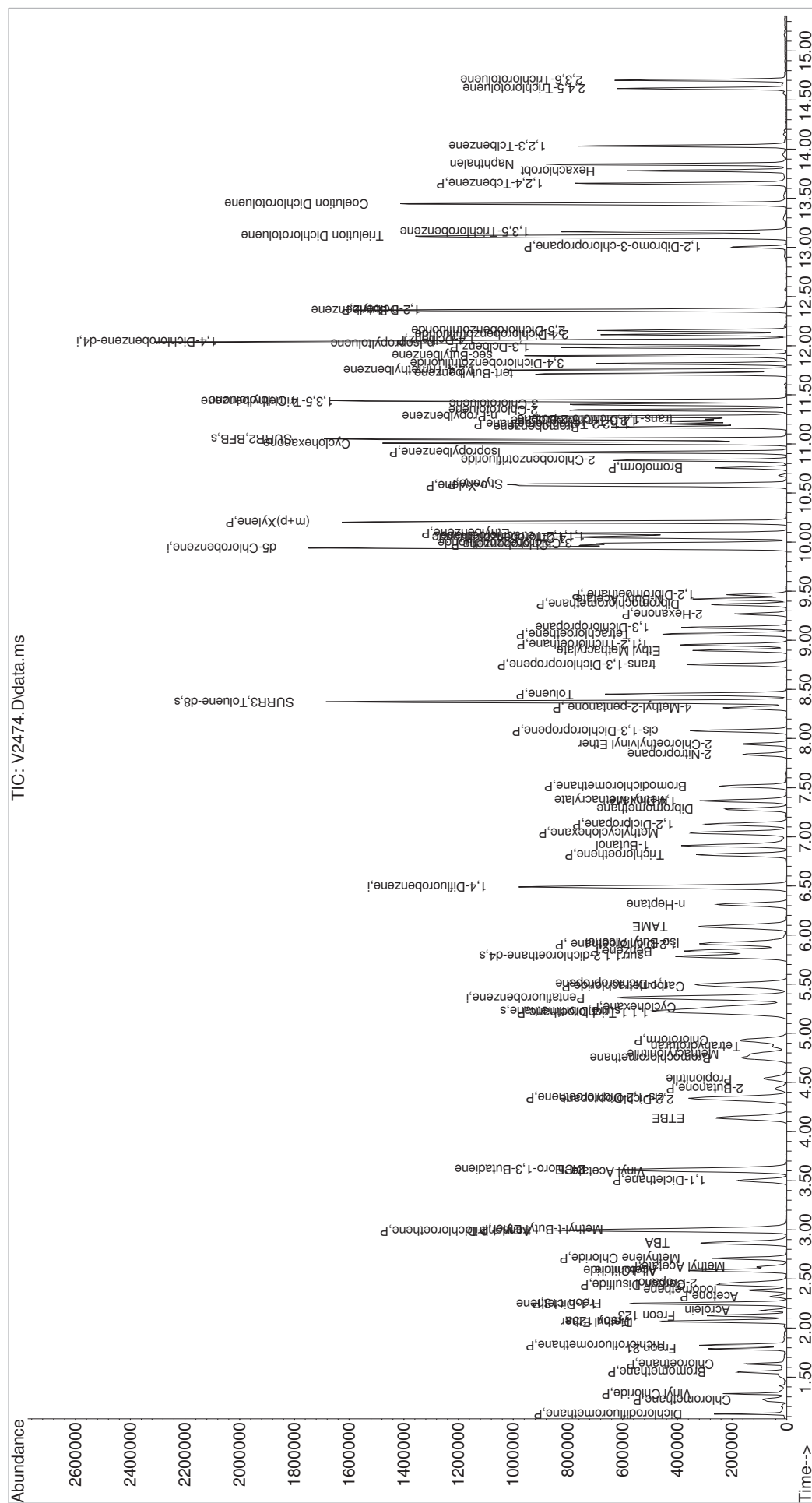
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2474.D
Acq On : 15 Mar 2022 11:16 am
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 2 Sample Multiplier: 1
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Inst : MSVOA14

ALS Vial : 2 Sample Multiplier: 1

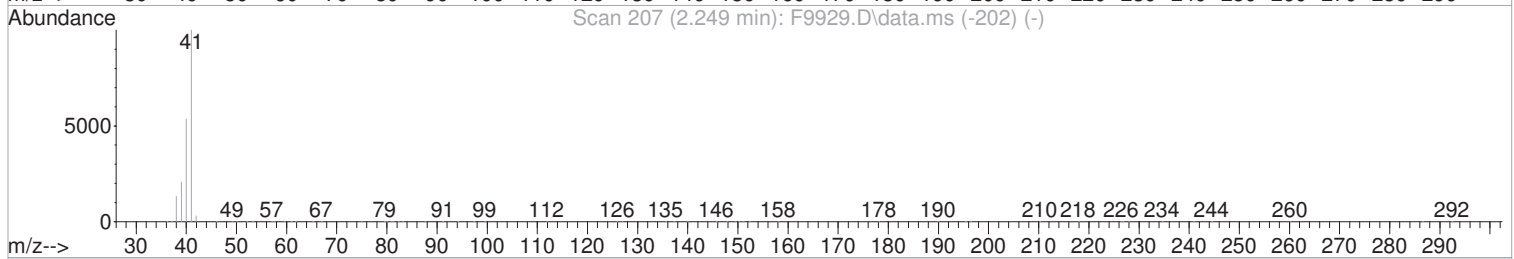
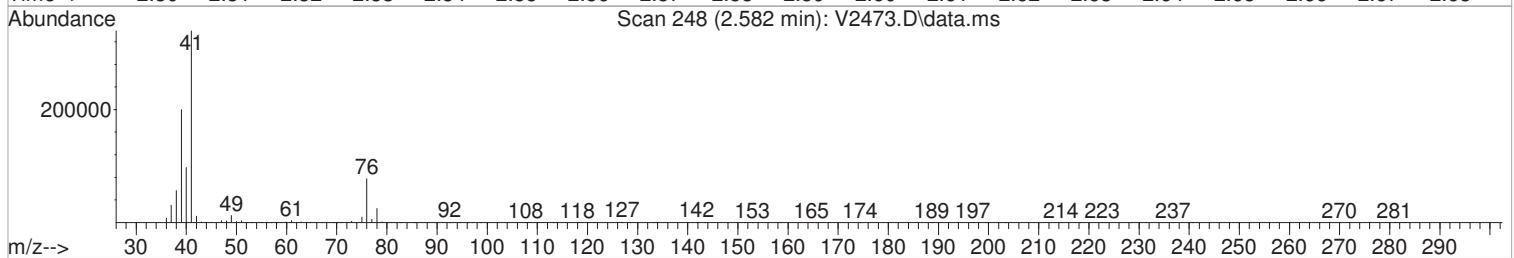
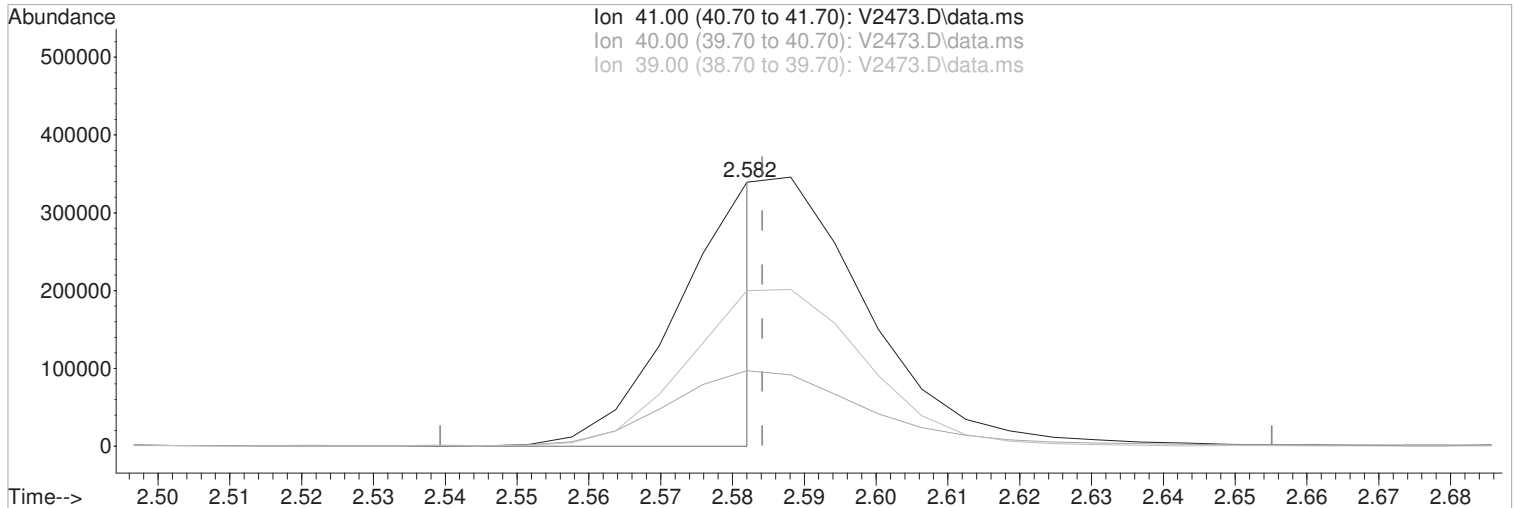
Quant Time: Mar 15 11:31:11 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2473.D
Acq On : 15 Mar 2022 10:35 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 10:52:54 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2473.D\data.ms

(19) Acetonitrile

2.582min (-0.002) 266.63 ug/L m

response 283999

Ion	Exp%	Act%

41.00	100	100

40.00	53.60	28.66#

39.00	20.70	58.89#

0.00	0.00	0.00

Manual Integration:

After

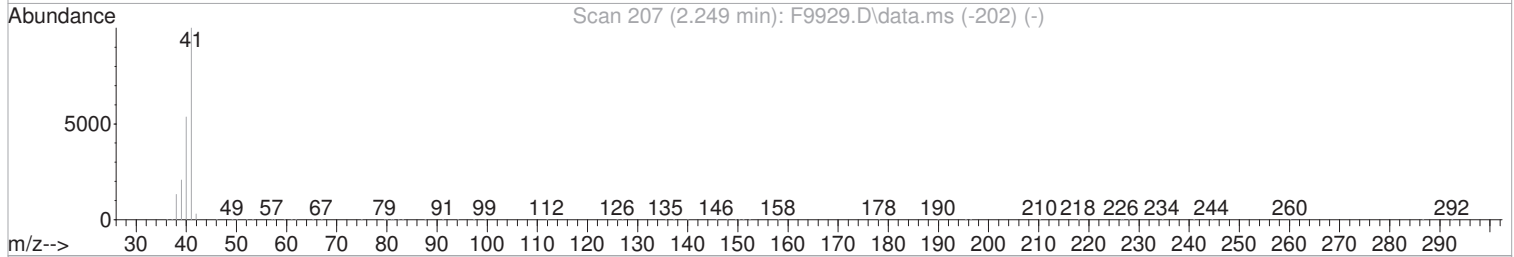
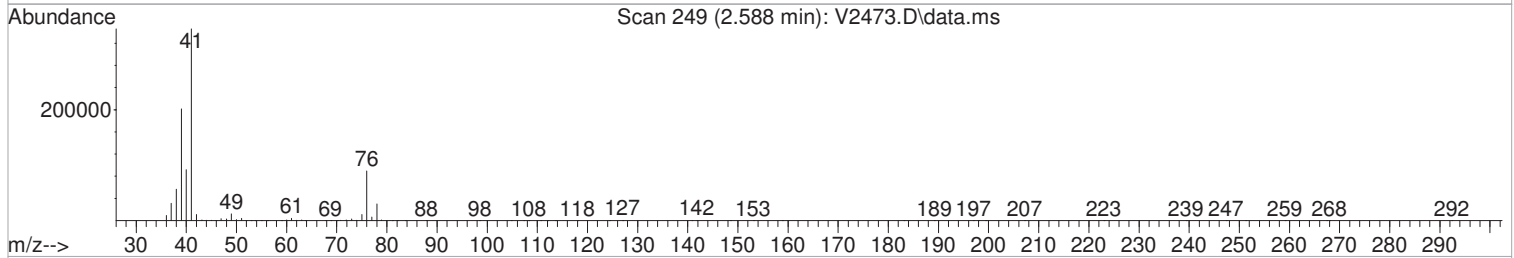
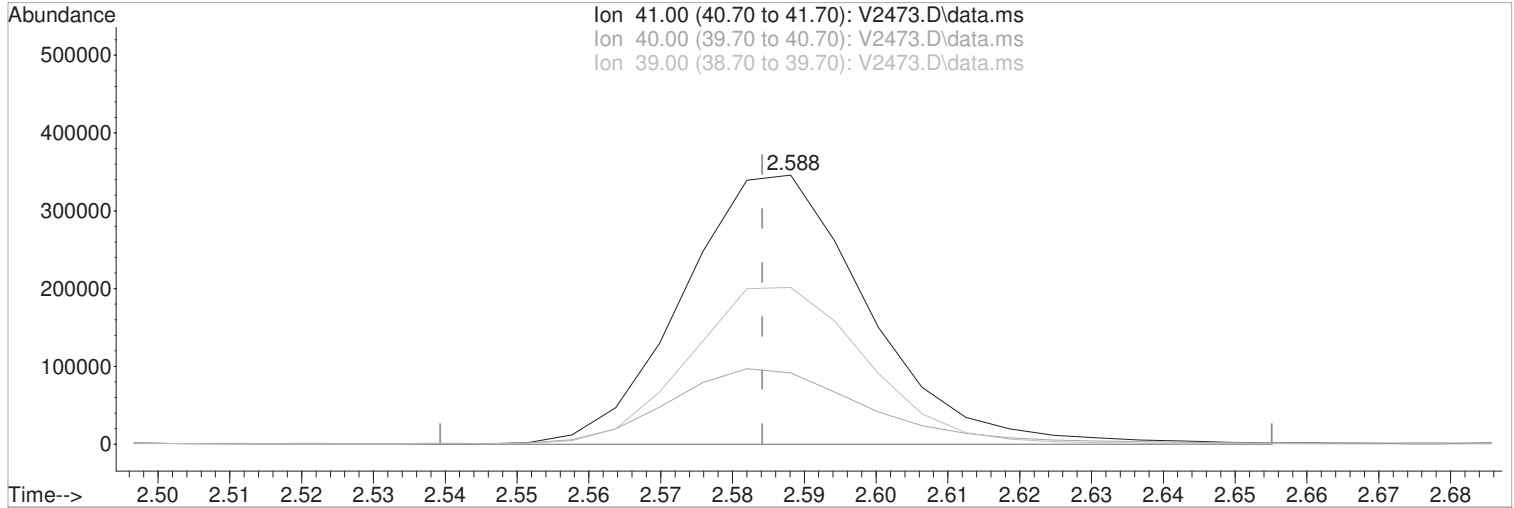
Poor integration.

03/15/22

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2473.D
Acq On : 15 Mar 2022 10:35 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 10:52:54 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration



TIC: V2473.D\data.ms

(19) Acetonitrile

Manual Integration:

2.588min (+0.004) 581.76 ug/L

Before

response 619666

Ion	Exp%	Act%

03/15/22

41.00	100	100

40.00	53.60	26.56#

39.00	20.70	58.26#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	106	0.00
2 P	Dichlorodifluoromethane	50.000	45.648	8.7	88	0.00
3 P	Chloromethane	50.000	37.154	25.7#	79	0.02
4 P	Vinyl Chloride	50.000	41.505	17.0	84	0.00
5 P	Bromomethane	50.000	34.766	30.5#	77	0.00
6 P	Chloroethane	50.000	46.883	6.2	94	0.00
7	Freon 21	50.000	34.275	31.4#	68	0.00
8 P	Trichlorofluoromethane	50.000	51.880	-3.8	105	0.00
9	Diethyl Ether	50.000	41.479	17.0	88	0.00
10	Freon 123a	50.000	31.548	36.9#	64	0.00
11	Freon 123	50.000	32.427	35.1#	62	0.00
12	Acrolein	250.000	214.213	14.3	91	0.00
13	1,1-Dicethene	50.000	44.784	10.4	91	0.00
14 P	Freon 113	50.000	46.141	7.7	95	0.00
15 P	Acetone	50.000	43.243	13.5	93	0.00
16	2-Propanol	1000.000	714.096	28.6#	75	0.00
17	Iodomethane	50.000	49.154	1.7	90	0.00
18 P	Carbon Disulfide	50.000	50.252	-0.5	97	0.00
19	Acetonitrile	250.000	266.625	-6.7	109	0.00
20	Allyl Chloride	50.000	44.444	11.1	91	0.00
21 P	Methyl Acetate	50.000	32.053	35.9#	67	0.00
22 P	Methylene Chloride	50.000	41.325	17.3	90	0.00
23	TBA	1000.000	786.590	21.3#	82	0.00
24	Acrylonitrile	250.000	199.579	20.2#	81	0.00
25 P	Methyl-t-Butyl Ether	50.000	42.309	15.4	88	0.00
26 P	trans-1,2-Dichloroethene	50.000	45.320	9.4	93	0.00
27 P	1,1-Dicethane	50.000	42.705	14.6	87	0.00
28	Vinyl Acetate	50.000	72.390	-44.8#	155	0.00
29	DIPE	50.000	39.749	20.5#	81	0.00
30	2-Chloro-1,3-Butadiene	50.000	53.168	-6.3	103	0.00
31	ETBE	50.000	41.037	17.9	84	0.00
32	2,2-Dichloropropane	50.000	45.262	9.5	95	0.00
33 P	cis-1,2-Dichloroethene	50.000	44.632	10.7	92	0.00
34 P	2-Butanone	50.000	37.933	24.1#	81	0.00
35	Propionitrile	250.000	197.365	21.1#	78	0.00
36	Bromochloromethane	50.000	46.829	6.3	99	0.00
37	Methacrylonitrile	50.000	40.675	18.7	83	0.00
38	Tetrahydrofuran	50.000	36.401	27.2#	80	0.00
39 P	Chloroform	50.000	46.164	7.7	95	0.00
40 P	1,1,1-Trichloroethane	50.000	46.755	6.5	98	0.00
41	TAME	50.000	43.221	13.6	89	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
43 P	Cyclohexane	50.000	32.228	35.5#	63	0.00
44 s	surr4,Dibrflmethane	50.000	53.463	-6.9	107	0.00
45 P	Carbontetrachloride	50.000	52.445	-4.9	100	0.00
46	1,1-Dichloropropene	50.000	46.279	7.4	90	0.00
47 s	surr1,1,2-dichloroethane-d4	50.000	53.648	-7.3	108	0.00
48 P	Benzene	50.000	45.097	9.8	89	0.00
49 P	1,2-Dichloroethane	50.000	48.364	3.3	96	0.00
50	Iso-Butyl Alcohol	1000.000	751.812	24.8#	75	0.00
51	n-Heptane	50.000	40.073	19.9	79	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	1-Butanol	2500.000	2257.093	9.7	83	0.00
53 P	Trichloroethene	50.000	48.444	3.1	95	0.00
54 P	Methylcyclohexane	50.000	32.188	35.6#	63	0.00
55 P	1,2-Dichloropropane	50.000	42.611	14.8	86	0.00
56	Dibromomethane	50.000	49.991	0.0	97	0.00
57	1,4-Dioxane	1000.000	865.190	13.5	89	0.00
58	Methyl Methacrylate	50.000	44.190	11.6	84	0.00
59 P	Bromodichloromethane	50.000	49.787	0.4	97	0.00
60	2-Nitropropane	100.000	116.957	-17.0	109	0.00
61	2-Chloroethylvinyl Ether	50.000	37.681	24.6#	75	0.00
62 P	cis-1,3-Dichloropropene	50.000	48.133	3.7	91	0.00
63 P	4-Methyl-2-pentanone	50.000	41.738	16.5	83	0.00
64 s	SURR3,Toluene-d8	50.000	51.355	-2.7	104	0.00
65 P	Toluene	50.000	45.564	8.9	89	0.00
66 P	trans-1,3-Dichloropropene	50.000	50.594	-1.2	95	0.00
67	Ethyl Methacrylate	50.000	45.757	8.5	87	0.00
68 P	1,1,2-Trichloroethane	50.000	45.833	8.3	91	0.00
69 s	SURR2,BFB	50.000	53.496	-7.0	109	0.00
70 i	d5-Chlorobenzene	50.000	50.000	0.0	104	0.00
71 P	Tetrachloroethene	50.000	49.326	1.3	98	0.00
72 P	2-Hexanone	50.000	39.847	20.3#	81	0.00
73	1,3-Dichloropropane	50.000	45.030	9.9	90	0.00
74 P	Dibromochloromethane	50.000	52.436	-4.9	103	0.00
75	N-Butyl Acetate	50.000	37.620	24.8#	74	0.00
76 P	1,2-Dibromoethane	50.000	47.766	4.5	95	0.00
77	3-Chlorobenzotrifluoride	50.000	51.716	-3.4	100	0.00
78 P	Chlorobenzene	50.000	45.500	9.0	93	0.00
79	4-Chlorobenzotrifluoride	50.000	51.953	-3.9	101	0.00
80	1,1,1,2-Tetrachloroethane	50.000	49.302	1.4	99	0.00
81 P	Ethylbenzene	50.000	45.829	8.3	90	0.00
82 P	(m+p)Xylene	100.000	91.874	8.1	92	0.00
83 P	o-Xylene	50.000	45.397	9.2	91	0.00
84 P	Styrene	50.000	46.043	7.9	91	0.00
85 P	Bromoform	50.000	53.635	-7.3	105	0.00
86	2-Chlorobenzotrifluoride	50.000	51.289	-2.6	100	0.00
87 P	Isopropylbenzene	50.000	44.950	10.1	91	0.00
88	Cyclohexanone	1000.000	787.941	21.2#	79	0.00
89	trans-1,4-Dichloro-2-Butene	50.000	52.234	-4.5	100	0.00
90 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
91 P	1,1,2,2-Tetrachloroethane	50.000	42.911	14.2	91	0.00
92	Bromobenzene	50.000	46.440	7.1	99	0.00
93	1,2,3-Trichloropropane	50.000	43.551	12.9	94	0.00
94	n-Propylbenzene	50.000	44.622	10.8	94	0.00
95	2-Chlorotoluene	50.000	43.337	13.3	93	0.00
96	3-Chlorotoluene	50.000	46.740	6.5	99	0.00
97	4-Chlorotoluene	50.000	42.202	15.6	91	0.00
98	1,3,5-Trimethylbenzene	50.000	43.381	13.2	91	0.00
99	tert-Butylbenzene	50.000	42.428	15.1	90	0.00
100	1,2,4-Trimethylbenzene	50.000	43.313	13.4	92	0.00
101	3,4-Dichlorobenzotrifluorid	50.000	50.172	-0.3	103	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 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	sec-Butylbenzene	50.000	42.186	15.6	88	0.00
103	p-Isopropyltoluene	50.000	43.586	12.8	89	0.00
104 P	1,3-Dclbenz	50.000	45.377	9.2	96	0.00
105 P	1,4-Dclbenz	50.000	45.082	9.8	98	0.00
106	2,4-Dichlorobenzotrifluorid	50.000	49.627	0.7	102	0.00
107	2,5-Dichlorobenzotrifluorid	50.000	49.396	1.2	102	0.00
108	n-Butylbenzene	50.000	42.836	14.3	87	0.00
109 P	1,2-Dclbenz	50.000	44.752	10.5	95	0.00
110 P	1,2-Dibromo-3-chloropropane	50.000	45.805	8.4	95	0.00
111	Trielution Dichlorotoluene	150.000	140.649	6.2	96	0.00
112	1,3,5-Trichlorobenzene	50.000	48.180	3.6	101	0.00
113	Coelution Dichlorotoluene	100.000	93.983	6.0	97	0.00
114 P	1,2,4-Tcbenzene	50.000	45.500	9.0	95	0.00
115	Hexachlorobt	50.000	46.543	6.9	95	0.00
116	Naphthalen	50.000	42.013	16.0	87	0.00
117	1,2,3-Tclbenzene	50.000	44.953	10.1	93	0.00
118	2,4,5-Trichlorotoluene	50.000	45.864	8.3	90	0.00
119	2,3,6-Trichlorotoluene	50.000	46.320	7.4	93	0.00

(#) = Out of Range

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

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
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Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.368	168	602534	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.490	114	858468	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.940	117	803721	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	12.037	152	444554	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.228	113	288940	53.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	106.92%
47) surr1,1,2-dichloroetha...	5.783	65	357979	53.65	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	107.30%
64) SURR3,Toluene-d8	8.374	98	1047780	51.36	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.72%
69) SURR2,BFB	11.050	95	423418	53.50	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	107.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	298504	45.65	ug/L	97
3) Chloromethane	1.277	50	221467	37.15	ug/L	97
4) Vinyl Chloride	1.332	62	250995	41.50	ug/L	99
5) Bromomethane	1.552	94	145578	34.77	ug/L	98
6) Chloroethane	1.631	64	169924	46.88	ug/L	98
7) Freon 21	1.789	67	331424	34.27	ug/L	99
8) Trichlorofluoromethane	1.826	101	407803	51.88	ug/L	98
9) Diethyl Ether	2.064	59	218603	41.48	ug/L	95
10) Freon 123a	2.070	67	190256	31.55	ug/L	93
11) Freon 123	2.125	83	229030	32.43	ug/L	90
12) Acrolein	2.180	56	344415	214.21	ug/L	98
13) 1,1-Dicethene	2.253	96	219463	44.78	ug/L	98
14) Freon 113	2.253	101	229606	46.14	ug/L	95
15) Acetone	2.320	43	158904	43.24	ug/L	96
16) 2-Propanol	2.460	45	562326	714.10	ug/L	93
17) Iodomethane	2.387	142	359665	49.15	ug/L	96
18) Carbon Disulfide	2.442	76	658860	50.25	ug/L	99
19) Acetonitrile	2.582	41	283999m	266.63	ug/L	
20) Allyl Chloride	2.588	76	138307	44.44	ug/L	# 1
21) Methyl Acetate	2.619	43	295636	32.05	ug/L	99
22) Methylene Chloride	2.710	84	252328	41.32	ug/L	97
23) TBA	2.869	59	1013580	786.59	ug/L	99
24) Acrylonitrile	2.990	53	689973	199.58	ug/L	99
25) Methyl-t-Butyl Ether	3.009	73	860630	42.31	ug/L	99
26) trans-1,2-Dichloroethene	2.990	96	242990	45.32	ug/L	98
27) 1,1-Dicethane	3.503	63	428384	42.70	ug/L	98
28) Vinyl Acetate	3.600	86	70598	72.39	ug/L	# 46
29) DIPE	3.612	45	731663	39.75	ug/L	# 41
30) 2-Chloro-1,3-Butadiene	3.612	53	420959	53.17	ug/L	96
31) ETBE	4.137	59	766334	41.04	ug/L	98
32) 2,2-Dichloropropane	4.332	77	397585	45.26	ug/L	97
33) cis-1,2-Dichloroethene	4.344	96	277094	44.63	ug/L	97
34) 2-Butanone	4.429	43	200235	37.93	ug/L	99
35) Propionitrile	4.539	54	287957	197.37	ug/L	97
36) Bromochloromethane	4.746	130	195432	46.83	ug/L	91
37) Methacrylonitrile	4.789	67	146689	40.67	ug/L	98
38) Tetrahydrofuran	4.862	42	113383	36.40	ug/L	95
39) Chloroform	4.929	83	471650	46.16	ug/L	99
40) 1,1,1-Trichloroethane	5.203	97	401892	46.76	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) TAME	6.087	73	791326	43.22	ug/L	98
43) Cyclohexane	5.264	41	161367	32.23	ug/L	86
45) Carbontetrachloride	5.478	117	358567	52.45	ug/L	99
46) 1,1-Dichloropropene	5.508	75	313570	46.28	ug/L	99
48) Benzene	5.837	78	951472	45.10	ug/L	89
49) 1,2-Dichloroethane	5.905	62	401927	48.36	ug/L	98
50) Iso-Butyl Alcohol	5.917	43	400731	751.81	ug/L	98
51) n-Heptane	6.313	43	266020	40.07	ug/L	97
52) 1-Butanol	6.910	56	718916	2257.09	ug/L	99
53) Trichloroethene	6.819	130	278520	48.44	ug/L	97
54) Methylcyclohexane	7.038	55	217895	32.19	ug/L	98
55) 1,2-Dicloropropane	7.130	63	249810	42.61	ug/L	99
56) Dibromomethane	7.282	93	193476	49.99	ug/L	91
57) 1,4-Dioxane	7.355	88	116812	865.19	ug/L	99
58) Methyl Methacrylate	7.368	69	240647	44.19	ug/L	98
59) Bromodichloromethane	7.520	83	372421	49.79	ug/L	100
60) 2-Nitropropane	7.837	41	244794	116.96	ug/L	97
61) 2-Chloroethylvinyl Ether	7.947	63	174273	37.68	ug/L	93
62) cis-1,3-Dichloropropene	8.081	75	420892	48.13	ug/L	99
63) 4-Methyl-2-pentanone	8.313	43	372855	41.74	ug/L	98
65) Toluene	8.453	91	1024052	45.56	ug/L	97
66) trans-1,3-Dichloropropene	8.752	75	419364	50.59	ug/L	99
67) Ethyl Methacrylate	8.898	69	425417	45.76	ug/L	99
68) 1,1,2-Trichloroethane	8.959	97	256961	45.83	ug/L	97
71) Tetrachloroethene	9.062	164	215364	49.33	ug/L	98
72) 2-Hexanone	9.270	43	281470	39.85	ug/L	98
73) 1,3-Dichloropropane	9.130	76	451358	45.03	ug/L	95
74) Dibromochloromethane	9.367	129	308653	52.44	ug/L	99
75) N-Butyl Acetate	9.422	43	505624	37.62	ug/L	99
76) 1,2-Dibromoethane	9.465	107	294660	47.77	ug/L	99
77) 3-Chlorobenzotrifluoride	9.989	180	429134	51.72	ug/L	99
78) Chlorobenzene	9.971	112	712567	45.50	ug/L	99
79) 4-Chlorobenzotrifluoride	10.050	180	388940	51.95	ug/L	97
80) 1,1,1,2-Tetrachloroethane	10.062	131	278545	49.30	ug/L	99
81) Ethylbenzene	10.093	106	361810	45.83	ug/L	95
82) (m+p)Xylene	10.202	106	908159	91.87	ug/L	98
83) o-Xylene	10.574	106	441501	45.40	ug/L	99
84) Styrene	10.593	104	766746	46.04	ug/L	98
85) Bromoform	10.757	173	241692	53.63	ug/L	99
86) 2-Chlorobenzotrifluoride	10.836	180	418991	51.29	ug/L	99
87) Isopropylbenzene	10.916	105	1075383	44.95	ug/L	99
88) Cyclohexanone	11.007	55	1165648	787.94	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.251	53	125073	52.23	ug/L	95
91) 1,1,2,2-Tetrachloroethane	11.202	83	398136	42.91	ug/L	97
92) Bromobenzene	11.172	156	325722	46.44	ug/L	95
93) 1,2,3-Trichloropropane	11.233	110	140433	43.55	ug/L	94
94) n-Propylbenzene	11.282	91	1318659	44.62	ug/L	98
95) 2-Chlorotoluene	11.342	91	815302	43.34	ug/L	99
96) 3-Chlorotoluene	11.403	91	904967	46.74	ug/L	100
97) 4-Chlorotoluene	11.440	91	922456	42.20	ug/L	99
98) 1,3,5-Trimethylbenzene	11.434	105	990045	43.38	ug/L	99
99) tert-Butylbenzene	11.714	119	811398	42.43	ug/L	99
100) 1,2,4-Trimethylbenzene	11.751	105	990854	43.31	ug/L	94
101) 3,4-Dichlorobenzotrifl...	11.818	214	350709	50.17	ug/L	98
102) sec-Butylbenzene	11.897	105	1143951	42.19	ug/L	99
103) p-Isopropyltoluene	12.019	119	1039813	43.59	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2473.D
 Acq On : 15 Mar 2022 10:35 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 15 11:26:10 2022
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Mon Nov 15 14:52:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) 1,3-Dclbenz	11.983	146	599697	45.38	ug/L	98
105) 1,4-Dclbenz	12.056	146	626913	45.08	ug/L	100
106) 2,4-Dichlorobenzotrifl...	12.117	214	318007	49.63	ug/L	96
107) 2,5-Dichlorobenzotrifl...	12.153	214	359017	49.40	ug/L	97
108) n-Butylbenzene	12.354	91	912547	42.84	ug/L	99
109) 1,2-Dclbenz	12.367	146	595788	44.75	ug/L	97
110) 1,2-Dibromo-3-chloropr...	13.007	157	114566	45.81	ug/L	88
111) Trielution Dichlorotol...	13.117	125	1674617	140.65	ug/L	99
112) 1,3,5-Trichlorobenzene	13.159	180	482519	48.18	ug/L	97
113) Coelution Dichlorotoluene	13.446	125	1238790	93.98	ug/L	98
114) 1,2,4-Tcbenzene	13.653	180	436682	45.50	ug/L	97
115) Hexachlorobt	13.781	225	202779	46.54	ug/L	99
116) Naphthalen	13.848	128	1392749	42.01	ug/L	100
117) 1,2,3-Tclbenzene	14.037	180	434009	44.95	ug/L	99
118) 2,4,5-Trichlorotoluene	14.616	159	327262	45.86	ug/L	98
119) 2,3,6-Trichlorotoluene	14.702	159	301068	46.32	ug/L	97

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

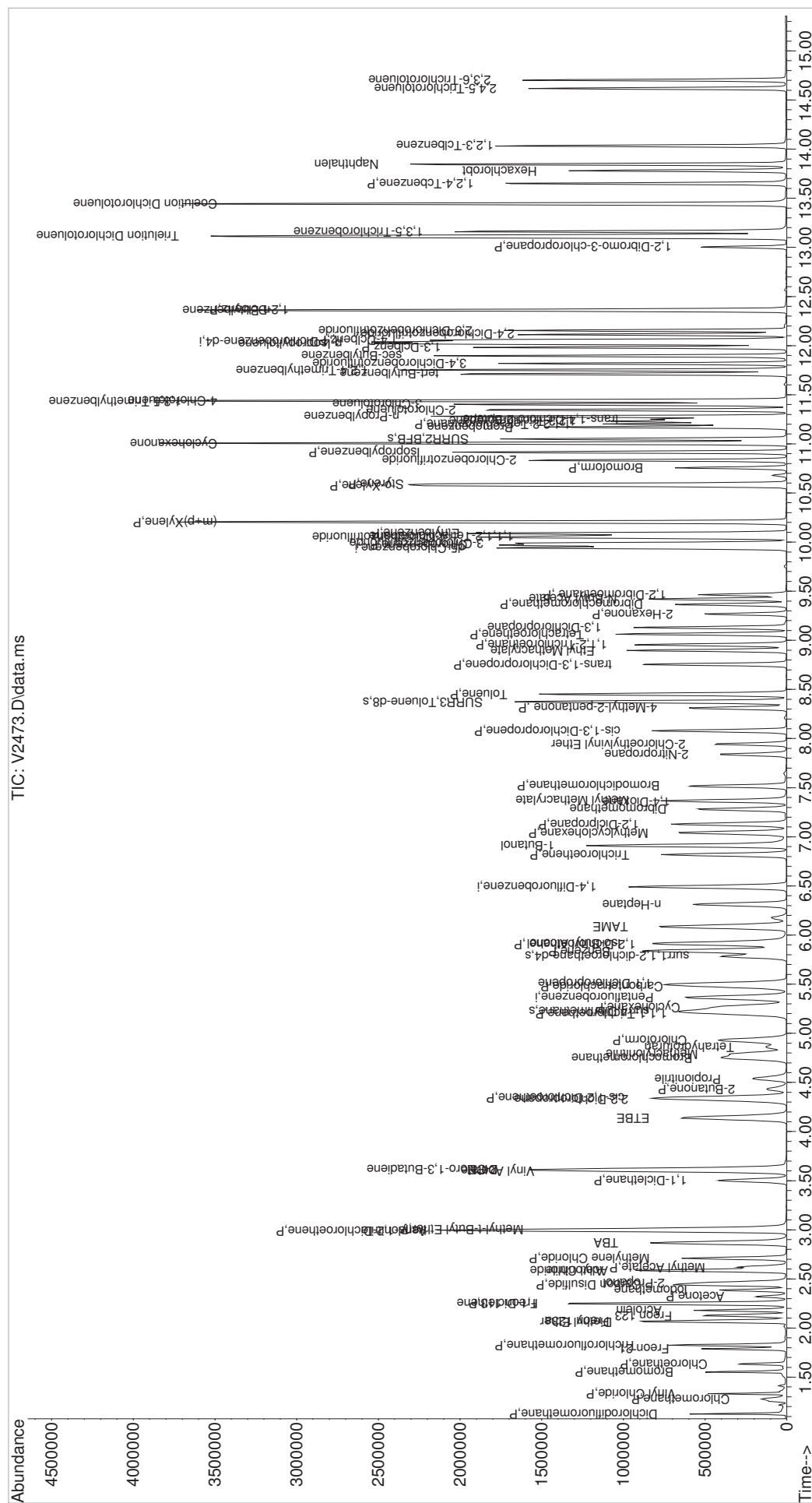
Quantitation Report (QT Reviewed)

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Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
Data File : V2473.D
Acq On : 15 Mar 2022 10:35 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1
```

Inst : MSVOA14

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 11:26:10 2022
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W11221.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Mon Nov 15 14:52:28 2021
Response via : Initial Calibration

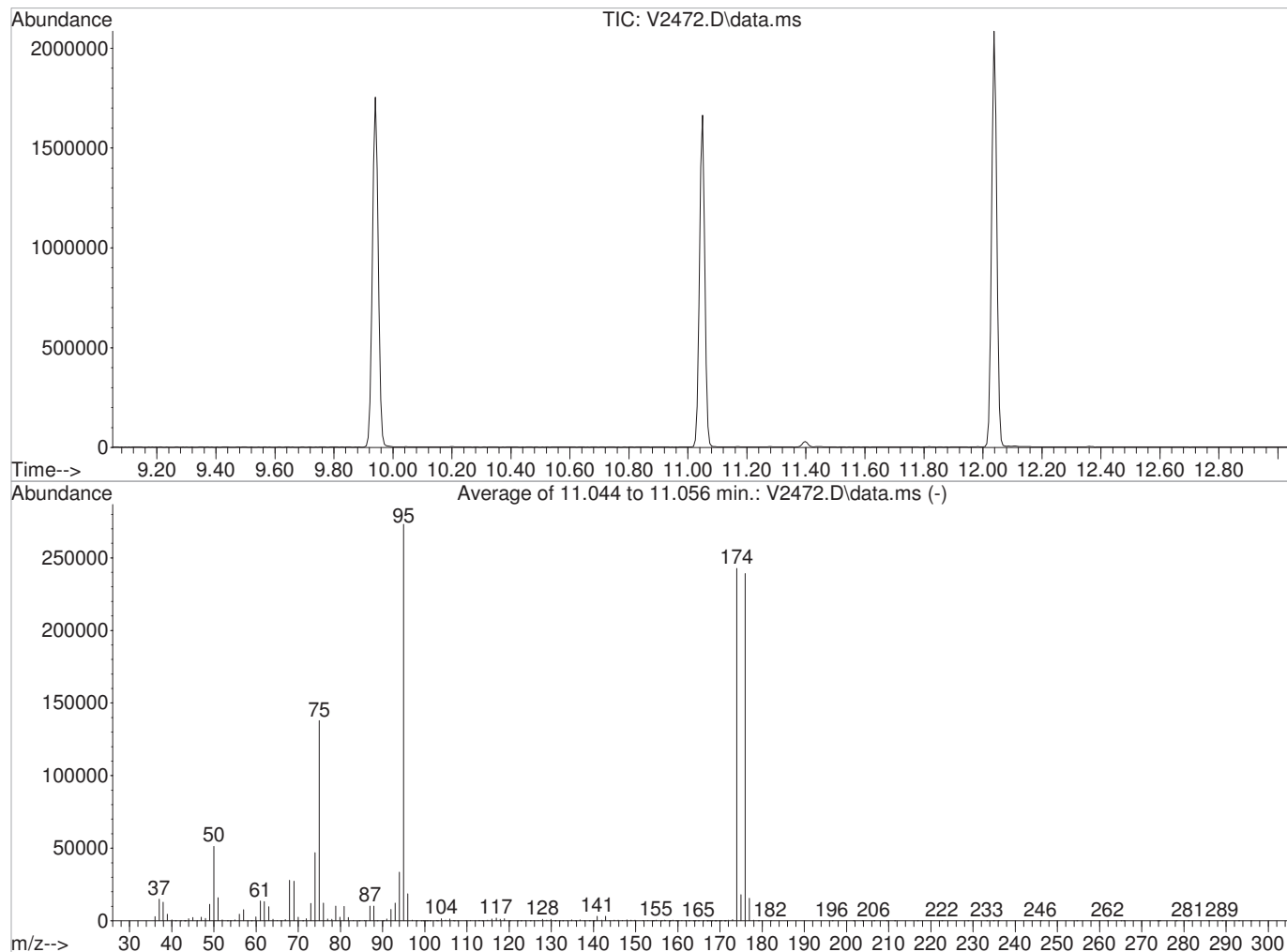


Data Path : I:\ACQUDATA\MSVOA14\Data\031522\
 Data File : V2472.D
 Acq On : 15 Mar 2022 10:01 am
 Operator : F.NAEGLER
 Sample : TUNE
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W111221.m
 Title : MS#14 - 8260 WATERS 5mL Purge
 Last Update : Mon Nov 15 14:52:28 2021



AutoFind: Scans 1636, 1637, 1638; Background Corrected with Scan 1630

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	51384	PASS
75	95	30	60	50.5	137805	PASS
95	95	100	100	100.0	273067	PASS
96	95	5	9	6.8	18546	PASS
173	174	0.00	2	0.3	845	PASS
174	95	50	120	88.9	242795	PASS
175	174	5	9	7.4	17934	PASS
176	174	95	101	98.5	239232	PASS
177	176	5	9	6.5	15455	PASS

ALS Group USA, Corp.
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QA/QC Report

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100143
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2100143-01	0.5 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9924.D	11/12/2021 14:40
02	RC2100143-02	1 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9925.D	11/12/2021 15:02
03	RC2100143-03	2 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9926.D	11/12/2021 15:25
04	RC2100143-04	5 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9927.D	11/12/2021 15:47
05	RC2100143-05	20 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9928.D	11/12/2021 16:10
06	RC2100143-06	50 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9929.D	11/12/2021 16:32
07	RC2100143-07	100 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9930.D	11/12/2021 16:54
08	RC2100143-08	150 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9931.D	11/12/2021 17:17
09	RC2100143-09	200 PPB STD	I:\ACQUDATA\MSVOA14\Data\111221\F9932.D	11/12/2021 17:39

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6367	02	1.000	0.7063	03	2.000	0.7465	04	5.000	0.6936
05	20.000	0.7602	06	50.000	0.7272	07	100.000	0.7212	08	150.000	0.6783
09	200.000	0.7498									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.713	02	1.000	0.7959	03	2.000	0.8493	04	5.000	0.8139
05	20.000	0.9151	06	50.000	0.8707	07	100.000	0.8553	08	150.000	0.8037
09	200.000	0.8748									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3389	02	1.000	0.4255	03	2.000	0.4088	04	5.000	0.401
05	20.000	0.4321	06	50.000	0.4253	07	100.000	0.4187	08	150.000	0.3835
09	200.000	0.426									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4942	05	20.000	0.4138	06	50.000	0.4608	07	100.000	0.463
08	200.000	0.4732									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3426	05	20.000	0.2874	06	50.000	0.3216	07	100.000	0.3127
08	200.000	0.3096									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2127	02	1.000	0.2575	03	2.000	0.2863	04	5.000	0.2722
05	20.000	0.307	06	50.000	0.2848	07	100.000	0.2779	08	150.000	0.2561
09	200.000	0.2901									

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QA/QC Report

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100143
Instrument ID: R-MS-14

Signal ID: 1

Analyte

Toluene-d8											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.28	05	20.000	1.098	06	50.000	1.2	07	100.000	1.194
08	200.000	1.17									
Trichloroethene (TCE)											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2945	02	1.000	0.3363	03	2.000	0.3432	04	5.000	0.3356
05	20.000	0.3559	06	50.000	0.3471	07	100.000	0.339	08	150.000	0.3166
09	200.000	0.3457									
Vinyl Chloride											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4183	02	1.000	0.4967	03	2.000	0.4967	04	5.000	0.4778
05	20.000	0.5462	06	50.000	0.5273	07	100.000	0.5149	08	150.000	0.4935
09	200.000	0.545									
cis-1,2-Dichloroethene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4528	02	1.000	0.5095	03	2.000	0.515	04	5.000	0.5166
05	20.000	0.5522	06	50.000	0.5338	07	100.000	0.5202	08	150.000	0.4996
09	200.000	0.5368									
trans-1,2-Dichloroethene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3796	02	1.000	0.4453	03	2.000	0.4453	04	5.000	0.4456
05	20.000	0.4841	06	50.000	0.4615	07	100.000	0.4528	08	150.000	0.4236
09	200.000	0.4666									

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100143
Instrument ID: R-MS-14

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	5.5	≤20	0.7133	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.1	≤20	0.8324	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.3	≤20	0.4067	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.4	≤20	0.461	
Dibromofluoromethane	SURR	Average RF	% RSD	6.4	≤20	0.3148	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.0	≤20	0.2716	0.200
Toluene-d8	SURR	Average RF	% RSD	5.5	≤20	1.188	
Trichloroethene (TCE)	TRG	Average RF	% RSD	5.5	≤20	0.3349	0.200
Vinyl Chloride	TRG	Average RF	% RSD	7.8	≤20	0.5018	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	5.5	≤20	0.5152	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	6.7	≤20	0.4449	0.100

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QA/QC Report

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

Service Request: R2202100
Calibration Date: 11/12/2021

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100143
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2100143-10	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\111221\F9936.D	11/12/2021 19:09

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.4	7.133E-1	7.045E-1	-1.233	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	49.1	8.324E-1	8.18E-1	-1.735	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.7	4.067E-1	4.039E-1	-0.670	±30	Average RF
Tetrachloroethene (PCE)	50.0	50.9	2.716E-1	2.767E-1	1.86	±30	Average RF
Trichloroethene (TCE)	50.0	49.9	3.349E-1	3.343E-1	-0.175	±30	Average RF
Vinyl Chloride	50.0	56.9	5.018E-1	5.711E-1	13.80	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.2	5.152E-1	5.065E-1	-1.683	±30	Average RF
trans-1,2-Dichloroethene	50.0	49.2	4.449E-1	4.376E-1	-1.641	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.4	4.61E-1	4.65E-1	0.878	±30	Average RF
Dibromofluoromethane	50.0	50.9	3.148E-1	3.202E-1	1.73	±30	Average RF
Toluene-d8	50.0	51.2	1.188E0	1.217E0	2.42	±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: R2202100
Date Analyzed: 03/15/22 10:35

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

Analysis Method: 8260C
File ID: I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\
Signal ID: 1

Calibration Date: 11/12/2021
Calibration ID: RC2100143
Analysis Lot: 757421
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.8	0.7133	0.667	-6.5	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	42.7	0.8324	0.711	-14.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	44.8	0.4067	0.3642	-10.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.3	0.2716	0.268	-1.3	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.4	0.3349	0.3244	-3.1	NA	±20	Average RF
Vinyl Chloride	50.0	41.5	0.5018	0.4166	-17.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	44.6	0.5152	0.4599	-10.7	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	45.3	0.4449	0.4033	-9.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	53.5	0.461	0.4932	7.0	NA	±20	Average RF
Dibromofluoromethane	50.0	53.5	0.3148	0.3366	6.9	NA	±20	Average RF
Toluene-d8	50.0	51.4	1.1883	1.2205	2.7	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2202100

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:757421
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\031522\V2472.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	10:01:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2473.D\	Continuing Calibration Verification	RQ2202563-02	3/15/2022	10:35:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2474.D\	Lab Control Sample	RQ2202563-03	3/15/2022	11:16:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2475.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	11:45:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2476.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	12:07:00	
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I:\ACQUDATA\MSVOA14\Data\031522\V2478.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	13:08:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2479.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	13:33:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2480.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	13:55:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2481.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	14:17:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2482.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	14:40:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2483.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	15:02:00	
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I:\ACQUDATA\MSVOA14\Data\031522\V2486.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	16:08:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2487.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	16:31:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2488.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	16:53:00	
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I:\ACQUDATA\MSVOA14\Data\031522\V2490.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	17:37:00	
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I:\ACQUDATA\MSVOA14\Data\031522\V2494.D\	MW-16-030922	R2202100-005	3/15/2022	19:06:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2495.D\	ZZZZZZZZ	ZZZZZZZZ	3/15/2022	19:28:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2202100

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:757421
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\031522\V2496.D\	ZZZZZZZ	ZZZZZZZ	3/15/2022	19:50:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2497.D\	ZZZZZZZ	ZZZZZZZ	3/15/2022	20:12:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2498.D\	ZZZZZZZ	ZZZZZZZ	3/15/2022	20:35:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2499.D\	ZZZZZZZ	ZZZZZZZ	3/15/2022	20:57:00	
I:\ACQUDATA\MSVOA14\Data\031522\V2500.D\	ZZZZZZZ	ZZZZZZZ	3/15/2022	21:19:00	

Analysis: 8240/624 Analyst: F. N. Lee pH strips: 222221 Tune Method: W111221.M
 Date: 3/15/22 Balance ID: - ResCl strips: 102420 Run Method: ↓
 Instr: MS14 50 mL Class A used for dilution FV Syringes: 210903/218371 LIMS Run#: 757421
 Data Path: J:\acquadata\msvoa\instid\ (Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
1	TUPE								V2472	Y	
2	CCV								73	Y	
3	CS-UNP								74	Y	
4	CS-EP								75	Y	
5	CS-ELC								76	Y	
6	MBL-UNP								77	Y	
7	MBL-EP								78	Y	
8	R2202.100-001	1.0		6446	1	N	-	<2	79	Y	
9	↓	1.0		↓	1	N	-	<2	80	Y	
10	R2202.076-001	2.5	20/50mL	15551	2	N	-	<2	81	Y	
11	R2202.185-002	1.0		15891	1	N	N ₃	(6)	82	Y	
12	↓	1.0	5/50mL	16102	1	N	N ₃	(6)	83	Y	
13	↓	1.0	↓	18832	1	N	N ₃	(6)	84	Y	Rpt 1/250
14	R2202.215-002	1.0	↓	18832	1	N	N ₃	<2	85	Y	Rpt 1/1000
15	↓	1.0		↓	1	N	N ₃	<2	86	Y	
16	R2202.220-011	1.0		13974	1	N	N ₃	(3)	87	Y	
17	↓	1.0		↓	1	N	N ₃	(3)	88	Y	
18	↓	1.0		↓	1	N	N ₃	(7)	89	Y	
19	↓	1.0		↓	1	N	N ₃	(7)	90	Y	
20	↓	1.0		↓	1	N	N ₃	(7)	91	Y	
21	↓	1.0		↓	1	N	N ₃	(7)	92	Y	
22	R2202.100-005	1.0		7979	1	N	-	(7)	93	Y	
23	↓	1.0		↓	1	N	-	<2	94	Y	
24	↓	1.0		↓	1	N	-	<2	95	Y	
25	↓	1.0	10/50mL	↓	1	N	-	<2	96	Y	
26	↓	1.0		↓	1	N	-	<2	97	Y	
27	↓	1.0		↓	1	N	-	<2	98	Y	
28	↓	1.0		↓	1	N	-	<2	99	Y	
29	↓	1.0		↓	1	N	-	<2	100	Y	
30	↓	1.0		↓	1	N	-	<2	101	Y	

All samples = 5 mL + 5 uL combined IS/5 mL purged
 T16 Primary 500 : 221715 - 5uL / 50mL
 H16 Primary : 221837 - 5uL
 F16 Primary : 221716 - 5uL
 O16 Primary : 221218 - 5uL
 T16 Secondary 200 : 221948 - 5uL
 H16 Secondary 500 : 221717 - 5uL
 F16 Secondary : 222005 - 5uL
 O16 Secondary : 221221 - 5uL
 E16 Secondary 200 : 221959 - 5uL
 Combined IS/Surr : 221772
 Surrogate 50 : 221773
 Internal Std 50 : 221773
 Reagents: (CCV)
 Reagents: (LIS)
 Reagents: (94)



September 27, 2022

Service Request No:R2208645

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

Laboratory Results for: Binghamton

Dear Ms.MacCarter,

Enclosed are the results of the sample(s) submitted to our laboratory September 14, 2022
For your reference, these analyses have been assigned our service request number **R2208645**.

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

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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: Binghamton
Sample Matrix: Water

Service Request: R2208645
Date Received: 09/14/2022

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.

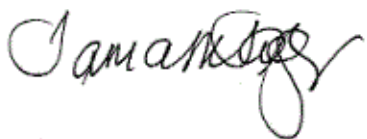
Sample Receipt:

Twelve water samples were received for analysis at ALS Environmental on 09/14/2022. 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, 09/20/2022: 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.

Approved by



Date

09/27/2022



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: Binghamton/5101.0003

Service Request:R2208645

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2208645-001	TB-091322	9/13/2022	
R2208645-002	DMW3-091222	9/12/2022	1700
R2208645-003	MW13-091222	9/12/2022	1705
R2208645-004	FB-091222	9/12/2022	1720
R2208645-005	MW11-091322	9/13/2022	1010
R2208645-006	TMP-A-091322	9/13/2022	1045
R2208645-007	MW-9-091322	9/13/2022	1055
R2208645-008	MW10-091322	9/13/2022	1200
R2208645-009	MW17-091322	9/13/2022	1330
R2208645-010	MW16-091322	9/13/2022	1330
R2208645-011	MW8-091322	9/13/2022	1345
R2208645-012	FB-091322	9/13/2022	1315

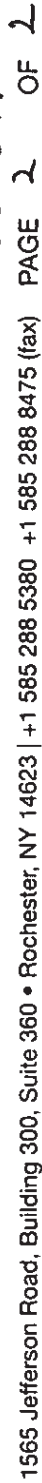


CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

065346

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name Dover Binghamton		Project Number 5101.0003		ANALYSIS REQUESTED (Include Method Number and Container Preservative)											
Project Manager		Report CC		PRESERVATIVE											
Company/Address Verina Consulting 1011 US 22, Bridgewater NJ, 08807				PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other											
Phone # 908 864 4400		Email Smaller@vcg-llc.com													
Sampler's Signature <i>Theresa Dan</i>		Sampler's Printed Name Mike Simon													
FOR OFFICE USE ONLY LAB ID		DATE		SAMPLING TIME		MATRIX									
CLIENT SAMPLE ID															
TB-091322		91322		1700		GW									
DHW3-091222		91222		1700		GW									
MW13-091222		91222		1765											
FB-091222		91222		1730											
MW11-091322		91322		1010											
TMP-A-091322		91322		1045											
MS-091322		91322		1045											
MSD-091322		91322		1045											
MW-9-091322		91322		1055											
MW10-091322		91322		1200											
MW17-091322		91322		1330											
SPECIAL INSTRUCTIONS/COMMENTS Metals SSPL VOCs = PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA, 1,1,1-TCA, VC															
See OAPP ☐															
STATE WHERE SAMPLES WERE COLLECTED NY State															
RELINQUISHED BY Signature <i>Theresa Dan</i> Printed Name Theresa Dan Firm Verina Date/Time 9/13 1430				RECEIVED BY Signature <i>Bob</i> Printed Name Bob Firm Verina Date/Time 9/13 0815				RELINQUISHED BY Signature Printed Name Firm Date/Time							
TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data				INVOICE INFORMATION PO # 5101.0003 BILL TO:							
RECEIVED BY				RECEIVED BY				RECEIVED BY							
Signature				Signature				Signature							
Printed Name				Printed Name				Printed Name							
Firm				Firm				Firm							
Date/Time				Date/Time				Date/Time							
R2208645 Verina Consulting Group, LLC Binghamton				R2208645 Verina Consulting Group, LLC Binghamton				R2208645 Verina Consulting Group, LLC Binghamton							



1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2



Cooler Receipt and Preservation

R2208645

Verina Consulting Group, LLC
Binghamton

5

Project/Client

Verina

Folder Number



Cooler received on

9/14/22

by:

hde

COURIER: ALS UPS ~~FEDEX~~ VELOCITY CLIENT

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

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

8. Temperature Readings

Date:

9/14

Time:

0915

ID: IR#7

IR#11

From:

Temp Blank

Sample Bottle

Observed Temp (°C)	0.6						
Within 0-6°C?	☒ Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N
If <0°C, were samples frozen?	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (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 hde on 9/14 at 0920
 5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y ☐ N ☐

Cooler Breakdown/Preservation Check**: Date: 9/15/22

Time: 06:40

by: hde

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ YES ☐ NO
 10. Did all bottle labels and tags agree with custody papers? ☒ YES ☐ NO
 11. Were correct containers used for the tests indicated? ☒ YES ☐ NO
 12. Were 5035 vials acceptable (no extra labels, not leaking)? ☒ YES ☐ NO
 13. Air Samples: Cassettes / Tubes Intact 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	**	**	62070	09/15	**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:

071122-3AXH, 041122-3AWA

Explain all Discrepancies/ Other Comments:

HPRD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: hde

PC Secondary Review: 9/21/22

*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: Binghamton/5101.0003

Service Request: R2208645

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208645-001.01					
	8260C				
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/19/2022	1119	In Lab / FNAEGLER	
		9/19/2022	1121	R-001-S10 / FNAEGLER	
R2208645-001.02					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-001.03					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-002.01					
	8260C				
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/19/2022	1119	In Lab / FNAEGLER	
		9/19/2022	1121	R-001-S10 / FNAEGLER	
R2208645-002.02					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-002.03					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-003.01					
	8260C				
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/19/2022	1119	In Lab / FNAEGLER	
		9/19/2022	1121	R-001-S10 / FNAEGLER	
R2208645-003.02					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-003.03					
		9/15/2022	0635	SMO / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2208645

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208645-004.01	8260C	9/15/2022	0638	R-001 / GESMERIAN	
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/19/2022	1119	In Lab / FNAEGLER	
		9/19/2022	1121	R-001-S10 / FNAEGLER	
R2208645-004.02		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-004.03		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-005.01	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/16/2022	1013	In Lab / FNAEGLER	
		9/16/2022	1017	R-001-S10 / FNAEGLER	
R2208645-005.02		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-005.03		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-006.01		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-006.02		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-006.03		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2208645

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208645-006.04	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-006.05	8260C	9/15/2022	0638	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/19/2022	1119	In Lab / FNAEGLER	
		9/19/2022	1121	R-001-S10 / FNAEGLER	
R2208645-006.06	8260C	9/15/2022	0638	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-006.07	8260C	9/15/2022	0638	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-006.08	8260C	9/15/2022	0638	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-006.09	8260C	9/15/2022	0638	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-007.01	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/16/2022	1013	In Lab / FNAEGLER	
		9/16/2022	1017	R-001-S10 / FNAEGLER	
R2208645-007.02	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-007.03	8260C				

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

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

Service Request: R2208645

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208645-008.01	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-008.02	8260C	9/19/2022	1119	In Lab / FNAEGLER	
		9/19/2022	1121	R-001-S10 / FNAEGLER	
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-008.03	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-009.01	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/16/2022	1013	In Lab / FNAEGLER	
		9/16/2022	1017	R-001-S10 / FNAEGLER	
R2208645-009.02	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-009.03	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-010.01	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/16/2022	1013	In Lab / FNAEGLER	
		9/16/2022	1017	R-001-S10 / FNAEGLER	
R2208645-010.02	8260C	9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	

ALS Group USA, Corp.
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Internal Chain of Custody Report

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

Service Request: R2208645

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208645-010.03					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-011.01					
	8260C				
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/16/2022	1013	In Lab / FNAEGLER	
		9/16/2022	1017	R-001-S10 / FNAEGLER	
		9/17/2022	1142	In Lab / FNAEGLER	
		9/17/2022	1145	R-001-S10 / FNAEGLER	
R2208645-011.02					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-011.03					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-012.01					
	8260C				
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
		9/19/2022	1119	In Lab / FNAEGLER	
		9/19/2022	1121	R-001-S10 / FNAEGLER	
R2208645-012.02					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	
R2208645-012.03					
		9/15/2022	0635	SMO / GESMERIAN	
		9/15/2022	0638	R-001 / GESMERIAN	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

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

Rochester Lab ID # for State 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.

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Analyst Summary report

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

Service Request: R2208645

Sample Name: TB-091322
Lab Code: R2208645-001
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: DMW3-091222
Lab Code: R2208645-002
Sample Matrix: Water

Date Collected: 09/12/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW13-091222
Lab Code: R2208645-003
Sample Matrix: Water

Date Collected: 09/12/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: FB-091222
Lab Code: R2208645-004
Sample Matrix: Water

Date Collected: 09/12/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW11-091322
Lab Code: R2208645-005
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R2208645

Sample Name: TMP-A-091322
Lab Code: R2208645-006
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-9-091322
Lab Code: R2208645-007
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW10-091322
Lab Code: R2208645-008
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW17-091322
Lab Code: R2208645-009
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW16-091322
Lab Code: R2208645-010
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R2208645

Sample Name: MW8-091322
Lab Code: R2208645-011
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: FB-091322
Lab Code: R2208645-012
Sample Matrix: Water

Date Collected: 09/13/22**Date Received:** 09/14/22

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

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22
Date Received: 09/14/22 08:15

Sample Name: TB-091322
Lab Code: R2208645-001

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	09/20/22 04:49	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 04:49	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 04:49	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 04:49	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 04:49	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 04:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 04:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 04:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/20/22 04:49	
Dibromofluoromethane	102	80 - 116	09/20/22 04:49	
Toluene-d8	103	87 - 121	09/20/22 04:49	

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Analytical Report

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

Service Request: R2208645
Date Collected: 09/12/22 17:00
Date Received: 09/14/22 08:15

Sample Name: DMW3-091222
Lab Code: R2208645-002

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)	1.0 U	1.0	0.20	1	09/20/22 05:54	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 05:54	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 05:54	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 05:54	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 05:54	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 05:54	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 05:54	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 05:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/20/22 05:54	
Dibromofluoromethane	101	80 - 116	09/20/22 05:54	
Toluene-d8	103	87 - 121	09/20/22 05:54	

ALS Group USA, Corp.
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Analytical Report

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

Service Request: R2208645
Date Collected: 09/12/22 17:05
Date Received: 09/14/22 08:15

Sample Name: MW13-091222
Lab Code: R2208645-003

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	09/20/22 06:16	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 06:16	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 06:16	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 06:16	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 06:16	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 06:16	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 06:16	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 06:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/20/22 06:16	
Dibromofluoromethane	99	80 - 116	09/20/22 06:16	
Toluene-d8	101	87 - 121	09/20/22 06:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/12/22 17:20
Date Received: 09/14/22 08:15

Sample Name: FB-091222
Lab Code: R2208645-004

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	09/20/22 05:11	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 05:11	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 05:11	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 05:11	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 05:11	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 05:11	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 05:11	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 05:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/22 05:11	
Dibromofluoromethane	99	80 - 116	09/20/22 05:11	
Toluene-d8	102	87 - 121	09/20/22 05:11	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 10:45
Date Received: 09/14/22 08:15

Sample Name: TMP-A-091322
Lab Code: R2208645-006

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	09/20/22 06:38	
1,1-Dichloroethane (1,1-DCA)	0.25 J	1.0	0.20	1	09/20/22 06:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 06:38	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 06:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 06:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 06:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 06:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 06:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/20/22 06:38	
Dibromofluoromethane	101	80 - 116	09/20/22 06:38	
Toluene-d8	102	87 - 121	09/20/22 06:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 12:00
Date Received: 09/14/22 08:15

Sample Name: MW10-091322
Lab Code: R2208645-008

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)	2.0	1.0	0.20	1	09/20/22 07:00	
1,1-Dichloroethane (1,1-DCA)	0.72 J	1.0	0.20	1	09/20/22 07:00	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 07:00	
Tetrachloroethene (PCE)	0.88 J	1.0	0.21	1	09/20/22 07:00	
Trichloroethene (TCE)	12	1.0	0.20	1	09/20/22 07:00	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 07:00	
cis-1,2-Dichloroethene	2.4	1.0	0.23	1	09/20/22 07:00	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 07:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/22 07:00	
Dibromofluoromethane	98	80 - 116	09/20/22 07:00	
Toluene-d8	101	87 - 121	09/20/22 07:00	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:15
Date Received: 09/14/22 08:15

Sample Name: FB-091322
Lab Code: R2208645-012

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	09/20/22 05:32	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 05:32	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 05:32	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 05:32	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 05:32	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 05:32	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 05:32	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 05:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/20/22 05:32	
Dibromofluoromethane	103	80 - 116	09/20/22 05:32	
Toluene-d8	103	87 - 121	09/20/22 05:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 10:10
Date Received: 09/14/22 08:15

Sample Name: MW11-091322
Lab Code: R2208645-005

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)	0.71 J	1.0	0.20	1	09/16/22 17:22	
1,1-Dichloroethane (1,1-DCA)	0.24 J	1.0	0.20	1	09/16/22 17:22	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 17:22	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/16/22 17:22	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/16/22 17:22	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/16/22 17:22	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/16/22 17:22	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/16/22 17:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/16/22 17:22	
Dibromofluoromethane	99	80 - 116	09/16/22 17:22	
Toluene-d8	101	87 - 121	09/16/22 17:22	

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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 10:55
Date Received: 09/14/22 08:15

Sample Name: MW-9-091322
Lab Code: R2208645-007

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)	0.45 J	1.0	0.20	1	09/16/22 17:43	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/16/22 17:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 17:43	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/16/22 17:43	
Trichloroethene (TCE)	7.4	1.0	0.20	1	09/16/22 17:43	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/16/22 17:43	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/16/22 17:43	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/16/22 17:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/16/22 17:43	
Dibromofluoromethane	99	80 - 116	09/16/22 17:43	
Toluene-d8	103	87 - 121	09/16/22 17:43	

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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:30
Date Received: 09/14/22 08:15

Sample Name: MW17-091322
Lab Code: R2208645-009

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)	1.8	1.0	0.20	1	09/16/22 18:05	
1,1-Dichloroethane (1,1-DCA)	24	1.0	0.20	1	09/16/22 18:05	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 18:05	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/16/22 18:05	
Trichloroethene (TCE)	7.5	1.0	0.20	1	09/16/22 18:05	
Vinyl Chloride	0.38 J	1.0	0.20	1	09/16/22 18:05	
cis-1,2-Dichloroethene	27	1.0	0.23	1	09/16/22 18:05	
trans-1,2-Dichloroethene	1.6	1.0	0.20	1	09/16/22 18:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/16/22 18:05	
Dibromofluoromethane	99	80 - 116	09/16/22 18:05	
Toluene-d8	100	87 - 121	09/16/22 18:05	

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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:30
Date Received: 09/14/22 08:15

Sample Name: MW16-091322
Lab Code: R2208645-010

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)	8.7	1.0	0.20	1	09/16/22 18:27	
1,1-Dichloroethane (1,1-DCA)	37	1.0	0.20	1	09/16/22 18:27	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 18:27	
Tetrachloroethene (PCE)	0.27 J	1.0	0.21	1	09/16/22 18:27	
Trichloroethene (TCE)	4.8	1.0	0.20	1	09/16/22 18:27	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/16/22 18:27	
cis-1,2-Dichloroethene	9.4	1.0	0.23	1	09/16/22 18:27	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/16/22 18:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/16/22 18:27	
Dibromofluoromethane	98	80 - 116	09/16/22 18:27	
Toluene-d8	100	87 - 121	09/16/22 18:27	

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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:45
Date Received: 09/14/22 08:15

Sample Name: MW8-091322
Lab Code: R2208645-011

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)	0.97 J	1.0	0.20	1	09/17/22 14:33	
1,1-Dichloroethane (1,1-DCA)	1.3	1.0	0.20	1	09/17/22 14:33	
1,1-Dichloroethene (1,1-DCE)	1.1	1.0	0.20	1	09/17/22 14:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/22 14:33	
Trichloroethene (TCE)	150	1.0	0.20	1	09/17/22 14:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/22 14:33	
cis-1,2-Dichloroethene	160	1.0	0.23	1	09/17/22 14:33	
trans-1,2-Dichloroethene	0.32 J	1.0	0.20	1	09/17/22 14:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/17/22 14:33	
Dibromofluoromethane	102	80 - 116	09/17/22 14:33	
Toluene-d8	102	87 - 121	09/17/22 14:33	



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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QA/QC Report

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

Service Request: R2208645

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-091322	R2208645-001	96	102	103
DMW3-091222	R2208645-002	99	101	103
MW13-091222	R2208645-003	96	99	101
FB-091222	R2208645-004	97	99	102
TMP-A-091322	R2208645-006	96	101	102
MW10-091322	R2208645-008	97	98	101
FB-091322	R2208645-012	100	103	103
Method Blank	RQ2211277-04	96	100	101
Lab Control Sample	RQ2211277-03	101	103	103
TMP-A-091322 MS	RQ2211277-05	105	100	104
TMP-A-091322 DMS	RQ2211277-06	103	102	103

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QA/QC Report

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

Service Request: R2208645
Date Collected: 09/13/22
Date Received: 09/14/22
Date Analyzed: 09/20/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: TMP-A-091322
Lab Code: R2208645-006
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ2211277-05			Duplicate Matrix Spike RQ2211277-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1-Trichloroethane (TCA)	1.0 U	56.1	50.0	112	58.9	50.0	118	74-127	5	30
1,1-Dichloroethane (1,1-DCA)	0.25 J	57.9	50.0	115	58.2	50.0	116	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	55.8	50.0	112	56.9	50.0	114	71-118	2	30
Tetrachloroethene (PCE)	1.0 U	51.5	50.0	103	51.1	50.0	102	72-125	<1	30
Trichloroethene (TCE)	1.0 U	54.4	50.0	109	56.0	50.0	112	74-122	3	30
Vinyl Chloride	1.0 U	50.2	50.0	100	50.8	50.0	102	74-159	1	30
cis-1,2-Dichloroethene	1.0 U	52.3	50.0	105	53.3	50.0	107	77-127	2	30
trans-1,2-Dichloroethene	1.0 U	54.3	50.0	109	54.3	50.0	109	73-118	<1	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.

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/19/22 23:43
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2211277-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\091922\B5927.D\
Analysis Lot: 777922

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211277-03	I:\ACQUDATA\msvoa10\data\091922\B5924.D\	09/19/22 22:38
TB-091322	R2208645-001	I:\ACQUDATA\msvoa10\data\091922\B5941.D\	09/20/22 04:49
FB-091222	R2208645-004	I:\ACQUDATA\msvoa10\data\091922\B5942.D\	09/20/22 05:11
FB-091322	R2208645-012	I:\ACQUDATA\msvoa10\data\091922\B5943.D\	09/20/22 05:32
DMW3-091222	R2208645-002	I:\ACQUDATA\msvoa10\data\091922\B5944.D\	09/20/22 05:54
MW13-091222	R2208645-003	I:\ACQUDATA\msvoa10\data\091922\B5945.D\	09/20/22 06:16
TMP-A-091322	R2208645-006	I:\ACQUDATA\msvoa10\data\091922\B5946.D\	09/20/22 06:38
MW10-091322	R2208645-008	I:\ACQUDATA\msvoa10\data\091922\B5947.D\	09/20/22 07:00
TMP-A-091322MS	RQ2211277-05	I:\ACQUDATA\msvoa10\data\091922\B5948.D\	09/20/22 07:22
TMP-A-091322DMS	RQ2211277-06	I:\ACQUDATA\msvoa10\data\091922\B5949.D\	09/20/22 07:43

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Analytical Report

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

Service Request: R2208645
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2211277-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/19/22 23:43	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/19/22 23:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/19/22 23:43	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/19/22 23:43	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/19/22 23:43	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/19/22 23:43	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/19/22 23:43	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/19/22 23:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/19/22 23:43	
Dibromofluoromethane	100	80 - 116	09/19/22 23:43	
Toluene-d8	101	87 - 121	09/19/22 23:43	

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/19/22 22:38
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2211277-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\091922\B5924.D\
Analysis Lot: 777922

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211277-04	I:\ACQUDATA\msvoa10\data\091922\B5927.D\	09/19/22 23:43
TB-091322	R2208645-001	I:\ACQUDATA\msvoa10\data\091922\B5941.D\	09/20/22 04:49
FB-091222	R2208645-004	I:\ACQUDATA\msvoa10\data\091922\B5942.D\	09/20/22 05:11
FB-091322	R2208645-012	I:\ACQUDATA\msvoa10\data\091922\B5943.D\	09/20/22 05:32
DMW3-091222	R2208645-002	I:\ACQUDATA\msvoa10\data\091922\B5944.D\	09/20/22 05:54
MW13-091222	R2208645-003	I:\ACQUDATA\msvoa10\data\091922\B5945.D\	09/20/22 06:16
TMP-A-091322	R2208645-006	I:\ACQUDATA\msvoa10\data\091922\B5946.D\	09/20/22 06:38
MW10-091322	R2208645-008	I:\ACQUDATA\msvoa10\data\091922\B5947.D\	09/20/22 07:00
TMP-A-091322MS	RQ2211277-05	I:\ACQUDATA\msvoa10\data\091922\B5948.D\	09/20/22 07:22
TMP-A-091322DMS	RQ2211277-06	I:\ACQUDATA\msvoa10\data\091922\B5949.D\	09/20/22 07:43

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/19/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2211277-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	21.3	20.0	107	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	22.0	20.0	110	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.7	20.0	104	71-118
Tetrachloroethene (PCE)	8260C	19.8	20.0	99	72-125
Trichloroethene (TCE)	8260C	20.4	20.0	102	74-122
Vinyl Chloride	8260C	17.8	20.0	89	74-159
cis-1,2-Dichloroethene	8260C	19.8	20.0	99	80-121
trans-1,2-Dichloroethene	8260C	20.0	20.0	100	73-118

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QC/QC Report

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

Service Request: R2208645
Date Analyzed: 09/19/22 21:54

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\091922\B5922.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot: 777922

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	24.2	42459	Pass
75	95	30	60	53.4	93891	Pass
95	95	100	100	100.0	175750	Pass
96	95	5	9	7.1	12501	Pass
173	174	0	2	1.3	1713	Pass
174	95	50	120	74.8	131398	Pass
175	174	5	9	8.0	10483	Pass
176	174	95	101	95.4	125293	Pass
177	176	5	9	6.9	8703	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2211277-02	I:\ACQUDATA\msvoa10\data\091922\B5923.D\	09/19/22 22:16	
Lab Control Sample	RQ2211277-03	I:\ACQUDATA\msvoa10\data\091922\B5924.D\	09/19/22 22:38	
Method Blank	RQ2211277-04	I:\ACQUDATA\msvoa10\data\091922\B5927.D\	09/19/22 23:43	
TB-091322	R2208645-001	I:\ACQUDATA\msvoa10\data\091922\B5941.D\	09/20/22 04:49	
FB-091222	R2208645-004	I:\ACQUDATA\msvoa10\data\091922\B5942.D\	09/20/22 05:11	
FB-091322	R2208645-012	I:\ACQUDATA\msvoa10\data\091922\B5943.D\	09/20/22 05:32	
DMW3-091222	R2208645-002	I:\ACQUDATA\msvoa10\data\091922\B5944.D\	09/20/22 05:54	
MW13-091222	R2208645-003	I:\ACQUDATA\msvoa10\data\091922\B5945.D\	09/20/22 06:16	
TMP-A-091322	R2208645-006	I:\ACQUDATA\msvoa10\data\091922\B5946.D\	09/20/22 06:38	
MW10-091322	R2208645-008	I:\ACQUDATA\msvoa10\data\091922\B5947.D\	09/20/22 07:00	
TMP-A-091322	RQ2211277-05	I:\ACQUDATA\msvoa10\data\091922\B5948.D\	09/20/22 07:22	
TMP-A-091322	RQ2211277-06	I:\ACQUDATA\msvoa10\data\091922\B5949.D\	09/20/22 07:43	

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/19/22 22:16

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

File ID: I:\ACQUDATA\msvoa10\data\091922\B5923.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code: RQ2211277-02
Analysis Lot: 777922
Signal ID: 1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	371,901	11.86	809,553	6.49	733,699	9.81
Upper Limit ==>	743,802	12.03	1,619,106	6.66	1,467,398	9.98
Lower Limit ==>	185,951	11.69	404,777	6.32	366,850	9.64

Associated Analyses

Lab Control Sample	RQ2211277-03	367058	11.86	821198	6.49	744791	9.81
Method Blank	RQ2211277-04	327709	11.86	789434	6.49	703774	9.81
TB-091322	R2208645-001	318464	11.86	768914	6.49	683668	9.81
FB-091222	R2208645-004	320522	11.86	785685	6.49	691853	9.81
FB-091322	R2208645-012	306631	11.86	745533	6.49	670287	9.81
DMW3-091222	R2208645-002	306934	11.86	760545	6.49	674411	9.81
MW13-091222	R2208645-003	312366	11.86	752686	6.49	680964	9.81
TMP-A-091322	R2208645-006	315802	11.86	773013	6.49	688061	9.81
MW10-091322	R2208645-008	309132	11.86	759116	6.49	671660	9.81
TMP-A-091322MS	RQ2211277-05	360167	11.86	771233	6.49	714449	9.81
TMP-A-091322DMS	RQ2211277-06	354175	11.86	776205	6.49	714516	9.81

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QA/QC Report

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

Service Request:R2208645
Date Analyzed:09/19/22 22:16

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

File ID: I:\ACQUDATA\msvoa10\data\091922\B5923.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2211277-02
Analysis Lot:777922
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	483,997	5.39
Upper Limit ==>	967,994	5.56
Lower Limit ==>	241,999	5.22

Associated Analyses

Lab Control Sample	RQ2211277-03	487045	5.39
Method Blank	RQ2211277-04	473929	5.40
TB-091322	R2208645-001	451609	5.39
FB-091222	R2208645-004	464578	5.40
FB-091322	R2208645-012	441884	5.39
DMW3-091222	R2208645-002	449430	5.40
MW13-091222	R2208645-003	439994	5.40
TMP-A-091322	R2208645-006	455316	5.40
MW10-091322	R2208645-008	435135	5.40
TMP-A-091322MS	RQ2211277-05	455687	5.39
TMP-A-091322DMS	RQ2211277-06	461205	5.40

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dba ALS Environmental

QA/QC Report

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

Service Request: R2208645

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
MW11-091322	R2208645-005	95	99	101
MW-9-091322	R2208645-007	97	99	103
MW17-091322	R2208645-009	95	99	100
MW16-091322	R2208645-010	94	98	100
MW8-091322	R2208645-011	101	102	102
Method Blank	RQ2211158-04	97	100	102
Method Blank	RQ2211218-04	97	98	102
Lab Control Sample	RQ2211158-03	96	102	99
Lab Control Sample	RQ2211218-03	99	101	101

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/16/22 11:22
Date Extracted:

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

Sample Name: Method Blank
Lab Code: RQ2211158-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\091622\B5771.D\
Analysis Lot: 777705

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211158-03	I:\ACQUDATA\msvoa10\data\091622\B5769.D\	09/16/22 10:25
MW11-091322	R2208645-005	I:\ACQUDATA\msvoa10\data\091622\B5787.D\	09/16/22 17:22
MW-9-091322	R2208645-007	I:\ACQUDATA\msvoa10\data\091622\B5788.D\	09/16/22 17:43
MW17-091322	R2208645-009	I:\ACQUDATA\msvoa10\data\091622\B5789.D\	09/16/22 18:05
MW16-091322	R2208645-010	I:\ACQUDATA\msvoa10\data\091622\B5790.D\	09/16/22 18:27

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/17/22 12:33
Date Extracted:

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

Sample Name: Method Blank
Lab Code: RQ2211218-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\091722\B5832.D\
Analysis Lot: 777855

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211218-03	I:\ACQUDATA\msvoa10\data\091722\B5830.D\	09/17/22 11:38
MW8-091322	R2208645-011	I:\ACQUDATA\msvoa10\data\091722\B5837.D\	09/17/22 14:33

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2211158-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/16/22 11:22	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/16/22 11:22	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 11:22	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/16/22 11:22	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/16/22 11:22	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/16/22 11:22	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/16/22 11:22	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/16/22 11:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/16/22 11:22	
Dibromofluoromethane	100	80 - 116	09/16/22 11:22	
Toluene-d8	102	87 - 121	09/16/22 11:22	

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Analytical Report

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

Service Request: R2208645
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2211218-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/17/22 12:33	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/17/22 12:33	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/17/22 12:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/22 12:33	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/17/22 12:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/22 12:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/17/22 12:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/17/22 12:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/17/22 12:33	
Dibromofluoromethane	98	80 - 116	09/17/22 12:33	
Toluene-d8	102	87 - 121	09/17/22 12:33	

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/16/22 10:25
Date Extracted:

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

Sample Name: Lab Control Sample
Lab Code: RQ2211158-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\091622\B5769.D\
Analysis Lot: 777705

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211158-04	I:\ACQUDATA\msvoa10\data\091622\B5771.D\	09/16/22 11:22
MW11-091322	R2208645-005	I:\ACQUDATA\msvoa10\data\091622\B5787.D\	09/16/22 17:22
MW-9-091322	R2208645-007	I:\ACQUDATA\msvoa10\data\091622\B5788.D\	09/16/22 17:43
MW17-091322	R2208645-009	I:\ACQUDATA\msvoa10\data\091622\B5789.D\	09/16/22 18:05
MW16-091322	R2208645-010	I:\ACQUDATA\msvoa10\data\091622\B5790.D\	09/16/22 18:27

ALS Group USA, Corp.

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/17/22 11:38
Date Extracted:

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

Sample Name: Lab Control Sample
Lab Code: RQ2211218-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\091722\B5830.D\
Analysis Lot: 777855

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211218-04	I:\ACQUDATA\msvoa10\data\091722\B5832.D\	09/17/22 12:33
MW8-091322	R2208645-011	I:\ACQUDATA\msvoa10\data\091722\B5837.D\	09/17/22 14:33

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dba ALS Environmental

QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/16/22

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2211158-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.8	20.0	104	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	21.9	20.0	110	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.9	20.0	110	71-118
Tetrachloroethene (PCE)	8260C	20.7	20.0	103	72-125
Trichloroethene (TCE)	8260C	20.5	20.0	102	74-122
Vinyl Chloride	8260C	18.2	20.0	91	74-159
cis-1,2-Dichloroethene	8260C	20.4	20.0	102	80-121
trans-1,2-Dichloroethene	8260C	21.4	20.0	107	73-118

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/17/22

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2211218-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	22.2	20.0	111	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	22.9	20.0	115	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	23.6	20.0	118	71-118
Tetrachloroethene (PCE)	8260C	20.7	20.0	103	72-125
Trichloroethene (TCE)	8260C	21.0	20.0	105	74-122
Vinyl Chloride	8260C	19.8	20.0	99	74-159
cis-1,2-Dichloroethene	8260C	21.0	20.0	105	80-121
trans-1,2-Dichloroethene	8260C	22.4	20.0	112	73-118

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QC/QC Report

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

Service Request: R2208645
Date Analyzed: 09/16/22 09:10

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\091622\B5767.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot: 777705

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	25.6	55707	Pass
75	95	30	60	54.4	118675	Pass
95	95	100	100	100.0	218027	Pass
96	95	5	9	6.9	15100	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	73.9	161085	Pass
175	174	5	9	8.5	13634	Pass
176	174	95	101	96.8	155928	Pass
177	176	5	9	6.3	9882	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2211158-02	I:\ACQUDATA\msvoa10\data\091622\B5768.D\	09/16/22 09:46	
Lab Control Sample	RQ2211158-03	I:\ACQUDATA\msvoa10\data\091622\B5769.D\	09/16/22 10:25	
Method Blank	RQ2211158-04	I:\ACQUDATA\msvoa10\data\091622\B5771.D\	09/16/22 11:22	
MW11-091322	R2208645-005	I:\ACQUDATA\msvoa10\data\091622\B5787.D\	09/16/22 17:22	
MW-9-091322	R2208645-007	I:\ACQUDATA\msvoa10\data\091622\B5788.D\	09/16/22 17:43	
MW17-091322	R2208645-009	I:\ACQUDATA\msvoa10\data\091622\B5789.D\	09/16/22 18:05	
MW16-091322	R2208645-010	I:\ACQUDATA\msvoa10\data\091622\B5790.D\	09/16/22 18:27	

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dba ALS Environmental

QC/QC Report

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

Service Request: R2208645
Date Analyzed: 09/17/22 10:30

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\091722\B5828.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot: 777855

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	24.8	54656	Pass
75	95	30	60	56.0	123595	Pass
95	95	100	100	100.0	220779	Pass
96	95	5	9	6.8	15056	Pass
173	174	0	2	1.7	2738	Pass
174	95	50	120	73.1	161347	Pass
175	174	5	9	7.9	12720	Pass
176	174	95	101	97.0	156551	Pass
177	176	5	9	6.7	10499	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2211218-02	I:\ACQUDATA\msvoa10\data\091722\B5829.D\	09/17/22 11:03	
Lab Control Sample	RQ2211218-03	I:\ACQUDATA\msvoa10\data\091722\B5830.D\	09/17/22 11:38	
Method Blank	RQ2211218-04	I:\ACQUDATA\msvoa10\data\091722\B5832.D\	09/17/22 12:33	
MW8-091322	R2208645-011	I:\ACQUDATA\msvoa10\data\091722\B5837.D\	09/17/22 14:33	

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QA/QC Report

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

Service Request:R2208645
Date Analyzed:09/16/22 09:46

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

File ID: I:\ACQUDATA\msvoa10\data\091622\B5768.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2211158-02
Analysis Lot:777705
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	358,718	11.86	781,046	6.49	713,897	9.81
Upper Limit ==>	717,436	12.03	1,562,092	6.66	1,427,794	9.98
Lower Limit ==>	179,359	11.69	390,523	6.32	356,949	9.64

Associated Analyses

Lab Control Sample	RQ2211158-03	350180	11.86	807838	6.49	718439	9.81
Method Blank	RQ2211158-04	319137	11.86	753692	6.49	679780	9.81
MW11-091322	R2208645-005	301621	11.86	744004	6.49	668108	9.81
MW-9-091322	R2208645-007	307550	11.86	748185	6.49	679653	9.81
MW17-091322	R2208645-009	296804	11.86	733897	6.49	639384	9.81
MW16-091322	R2208645-010	307251	11.86	745141	6.49	676155	9.81

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QA/QC Report

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

Service Request:R2208645
Date Analyzed:09/16/22 09:46

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

File ID: I:\ACQUDATA\msvoa10\data\091622\B5768.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2211158-02
Analysis Lot:777705
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	469,473	5.4
Upper Limit ==>	938,946	5.57
Lower Limit ==>	234,737	5.23

Associated Analyses

Lab Control Sample	RQ2211158-03	492951	5.40
Method Blank	RQ2211158-04	447089	5.40
MW11-091322	R2208645-005	436982	5.40
MW-9-091322	R2208645-007	437546	5.39
MW17-091322	R2208645-009	426637	5.39
MW16-091322	R2208645-010	439161	5.39

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/17/22 11:03

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

File ID: I:\ACQUDATA\msvoa10\data\091722\B5829.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code: RQ2211218-02
Analysis Lot: 777855
Signal ID: 1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	RT	Area	RT	Area	RT
Result ==>		367,435	11.86	790,057	6.49	721,762	9.81
Upper Limit ==>		734,870	12.03	1,580,114	6.66	1,443,524	9.98
Lower Limit ==>		183,718	11.69	395,029	6.32	360,881	9.64
Associated Analyses							
Lab Control Sample	RQ2211218-03	354958	11.86	814951	6.49	729701	9.81
Method Blank	RQ2211218-04	318426	11.86	766745	6.49	679204	9.81
MW8-091322	R2208645-011	307794	11.86	728716	6.49	646103	9.81

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2208645
Date Analyzed:09/17/22 11:03

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

File ID: I:\ACQUDATA\msvoa10\data\091722\B5829.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ2211218-02
Analysis Lot:777855
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	480,665	5.39
Upper Limit ==>	961,330	5.56
Lower Limit ==>	240,333	5.22

Associated Analyses

Lab Control Sample	RQ2211218-03	485318	5.39
Method Blank	RQ2211218-04	448417	5.40
MW8-091322	R2208645-011	419061	5.39



Raw Data

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22
Date Received: 09/14/22 08:15

Sample Name: TB-091322
Lab Code: R2208645-001

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	09/20/22 04:49	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 04:49	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 04:49	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 04:49	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 04:49	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 04:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 04:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 04:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/20/22 04:49	
Dibromofluoromethane	102	80 - 116	09/20/22 04:49	
Toluene-d8	103	87 - 121	09/20/22 04:49	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/12/22 17:00
Date Received: 09/14/22 08:15

Sample Name: DMW3-091222
Lab Code: R2208645-002

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)	1.0 U	1.0	0.20	1	09/20/22 05:54	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 05:54	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 05:54	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 05:54	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 05:54	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 05:54	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 05:54	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 05:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/20/22 05:54	
Dibromofluoromethane	101	80 - 116	09/20/22 05:54	
Toluene-d8	103	87 - 121	09/20/22 05:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/12/22 17:05
Date Received: 09/14/22 08:15

Sample Name: MW13-091222
Lab Code: R2208645-003

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	09/20/22 06:16	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 06:16	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 06:16	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 06:16	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 06:16	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 06:16	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 06:16	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 06:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/20/22 06:16	
Dibromofluoromethane	99	80 - 116	09/20/22 06:16	
Toluene-d8	101	87 - 121	09/20/22 06:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/12/22 17:20
Date Received: 09/14/22 08:15

Sample Name: FB-091222
Lab Code: R2208645-004

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	09/20/22 05:11	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 05:11	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 05:11	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 05:11	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 05:11	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 05:11	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 05:11	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 05:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/22 05:11	
Dibromofluoromethane	99	80 - 116	09/20/22 05:11	
Toluene-d8	102	87 - 121	09/20/22 05:11	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 10:45
Date Received: 09/14/22 08:15

Sample Name: TMP-A-091322
Lab Code: R2208645-006

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	09/20/22 06:38	
1,1-Dichloroethane (1,1-DCA)	0.25 J	1.0	0.20	1	09/20/22 06:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 06:38	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 06:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 06:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 06:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 06:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 06:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/20/22 06:38	
Dibromofluoromethane	101	80 - 116	09/20/22 06:38	
Toluene-d8	102	87 - 121	09/20/22 06:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 12:00
Date Received: 09/14/22 08:15

Sample Name: MW10-091322
Lab Code: R2208645-008

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)	2.0	1.0	0.20	1	09/20/22 07:00	
1,1-Dichloroethane (1,1-DCA)	0.72 J	1.0	0.20	1	09/20/22 07:00	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 07:00	
Tetrachloroethene (PCE)	0.88 J	1.0	0.21	1	09/20/22 07:00	
Trichloroethene (TCE)	12	1.0	0.20	1	09/20/22 07:00	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 07:00	
cis-1,2-Dichloroethene	2.4	1.0	0.23	1	09/20/22 07:00	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 07:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/22 07:00	
Dibromofluoromethane	98	80 - 116	09/20/22 07:00	
Toluene-d8	101	87 - 121	09/20/22 07:00	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:15
Date Received: 09/14/22 08:15

Sample Name: FB-091322
Lab Code: R2208645-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

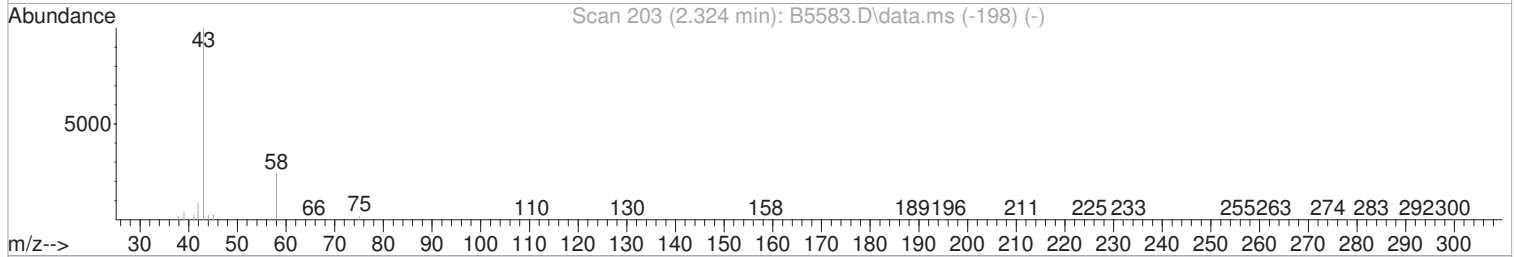
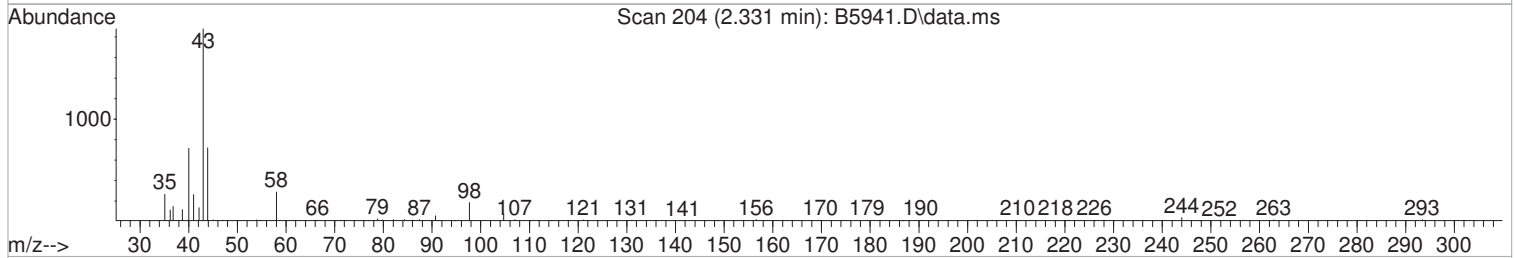
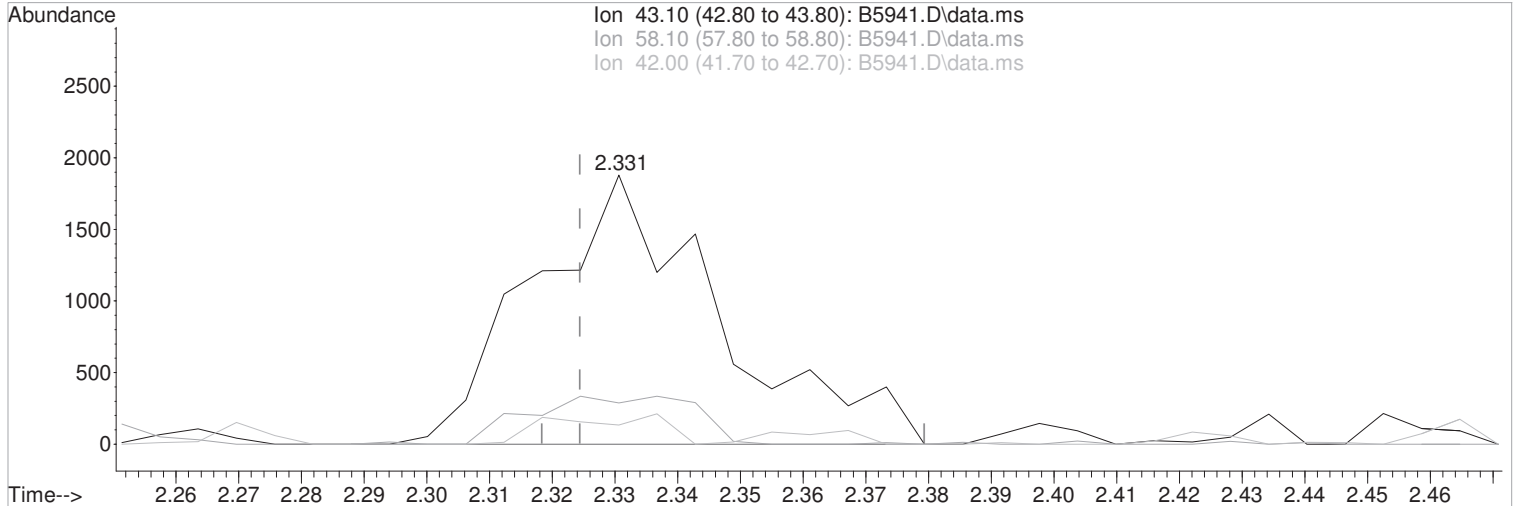
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/20/22 05:32	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/22 05:32	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/22 05:32	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/22 05:32	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/22 05:32	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/22 05:32	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/22 05:32	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/22 05:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/20/22 05:32	
Dibromofluoromethane	103	80 - 116	09/20/22 05:32	
Toluene-d8	103	87 - 121	09/20/22 05:32	

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5941.D
Acq On : 20 Sep 2022 4:49 am
Operator : F.NAEGLER
Sample : R2208645-001|1.0
Misc : VCG 6646 T4
ALS Vial : 49 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:05:46 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5941.D\data.ms

(16) Acetone (P)
2.331min (+0.006) 1.44 ug/L m
response 3847

Ion	Exp%	Act%
43.10	100	100
58.10	23.70	15.38
42.00	8.60	7.18
0.00	0.00	0.00

Manual Integration:

After

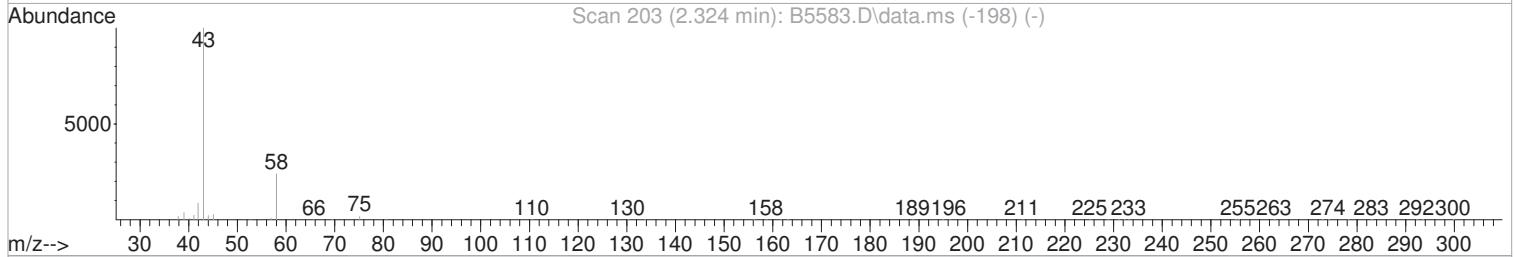
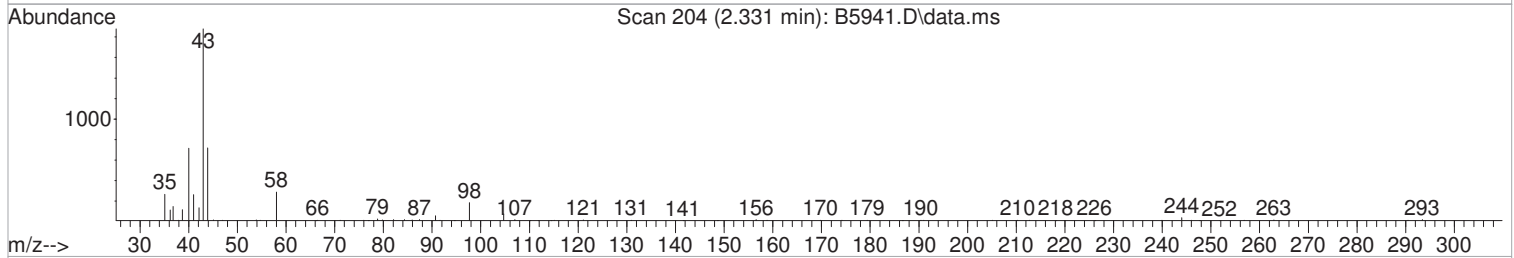
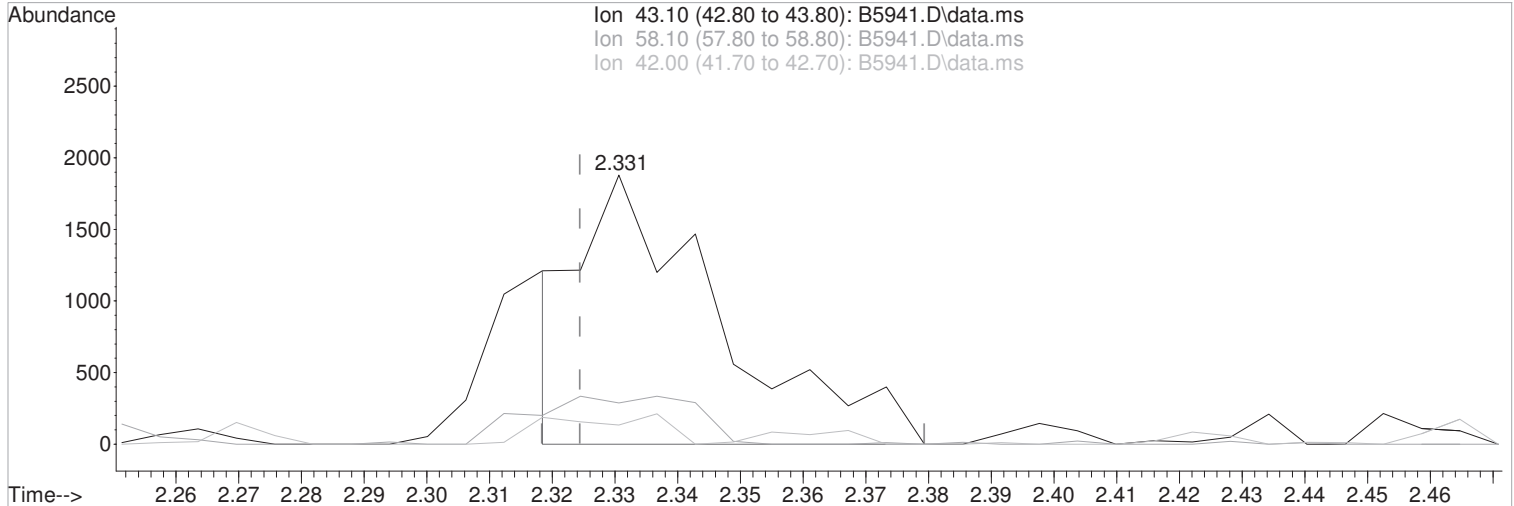
Poor integration.

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5941.D
Acq On : 20 Sep 2022 4:49 am
Operator : F.NAEGLER
Sample : R2208645-001|1.0
Misc : VCG 6646 T4
ALS Vial : 49 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:05:46 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5941.D\data.ms

(16) Acetone (P)
2.331min (+0.006) 1.08 ug/L
response 2888

Manual Integration:

Before

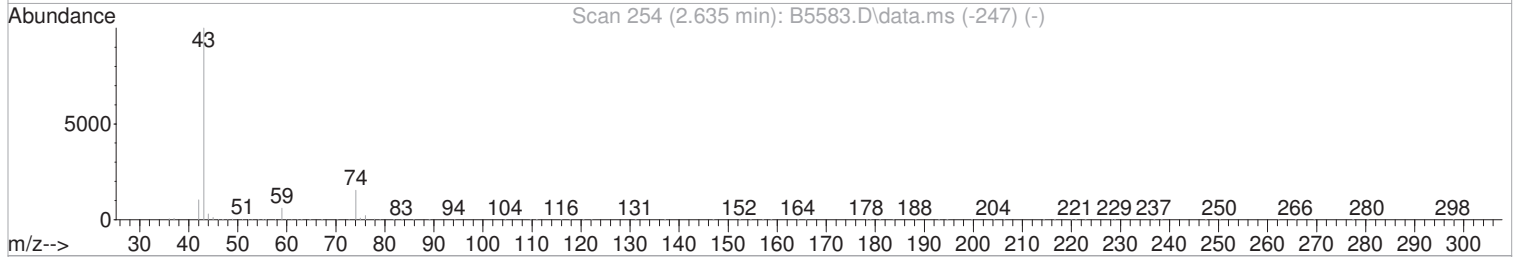
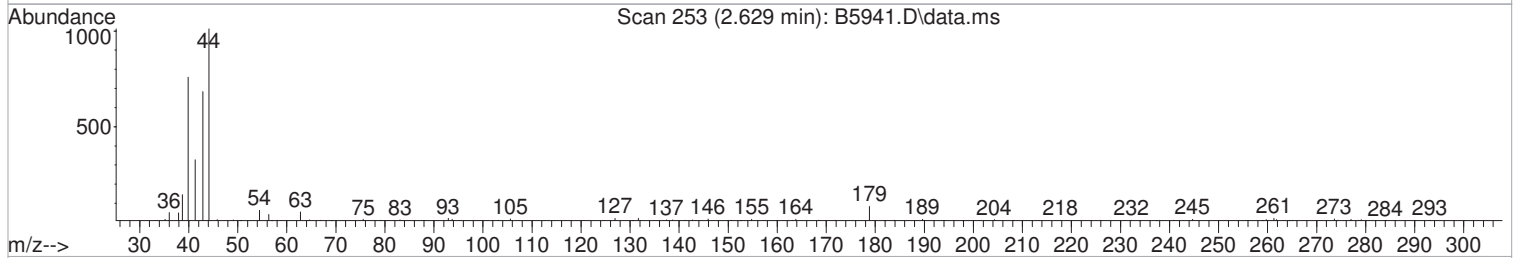
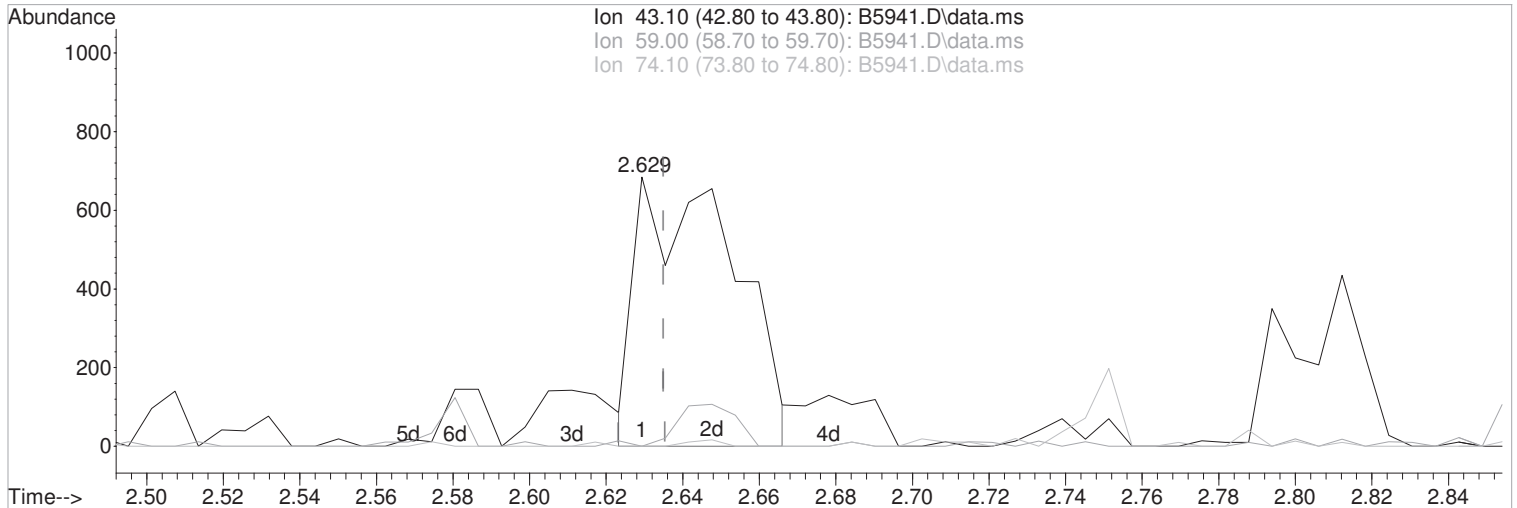
Ion	Exp%	Act%
43.10	100	100
58.10	23.70	15.38
42.00	8.60	7.18
0.00	0.00	0.00

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5941.D
Acq On : 20 Sep 2022 4:49 am
Operator : F.NAEGLER
Sample : R2208645-001|1.0
Misc : VCG 6646 T4
ALS Vial : 49 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:05:46 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5941.D\data.ms

(22) Methyl Acetate (P)

2.629min (-0.006) 0.19 ug/L m

response 1230

Ion	Exp%	Act%
43.10	100	100
59.00	6.10	0.00
74.10	15.30	0.00
0.00	0.00	0.00

Manual Integration:

After

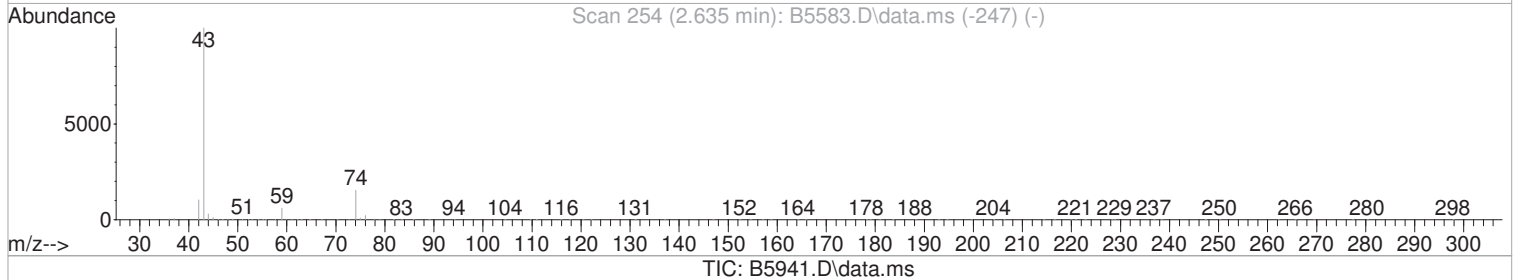
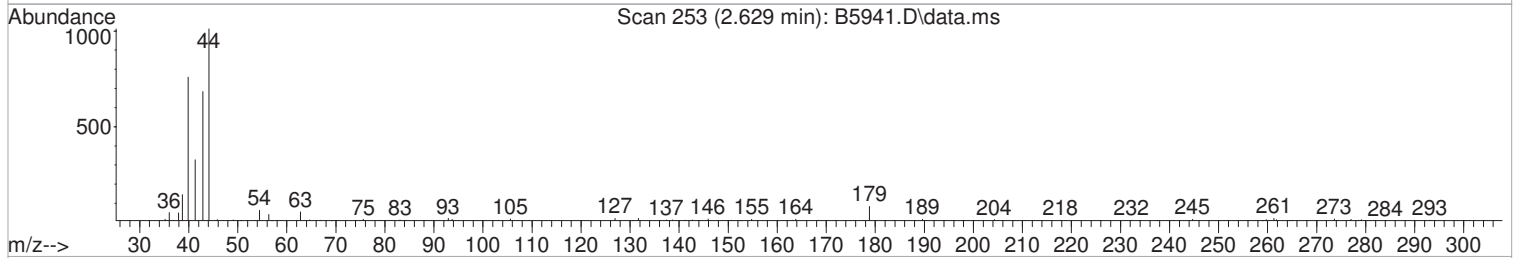
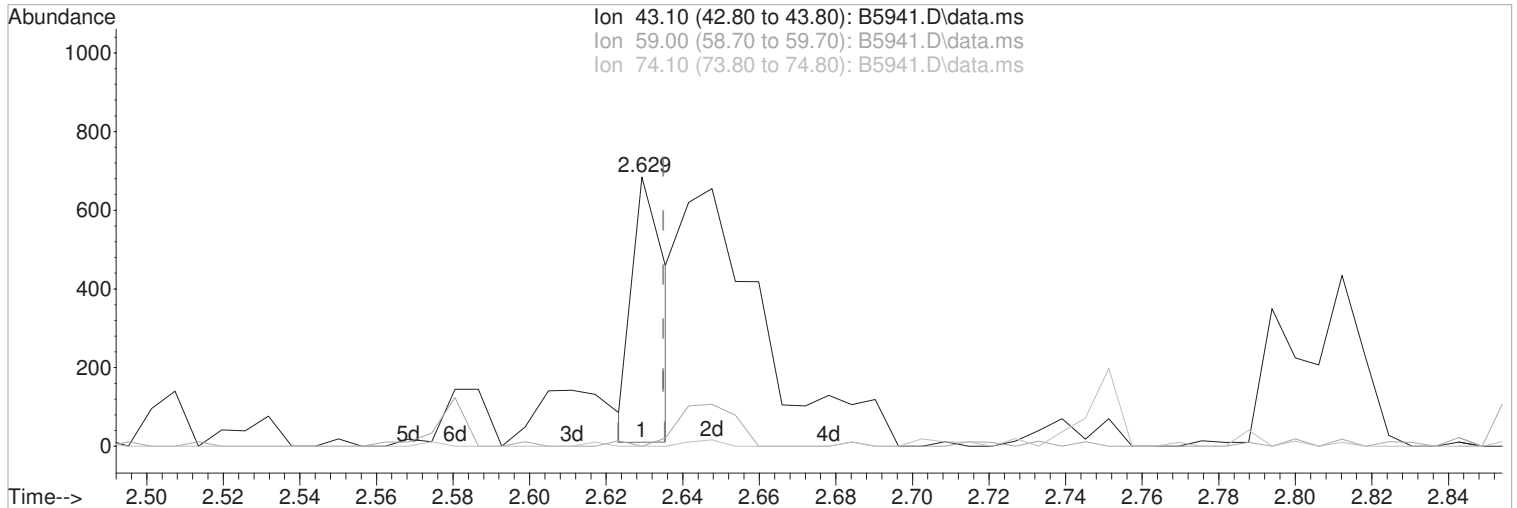
Poor integration.

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5941.D
Acq On : 20 Sep 2022 4:49 am
Operator : F.NAEGLER
Sample : R2208645-001|1.0
Misc : VCG 6646 T4
ALS Vial : 49 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:05:46 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



(22) Methyl Acetate (P)

Manual Integration:

2.629min (-0.006) 0.06 ug/L

Before

response 411

Ion	Exp%	Act%
43.10	100	100
59.00	6.10	0.00
74.10	15.30	0.00
0.00	0.00	0.00

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5941.D
 Acq On : 20 Sep 2022 4:49 am
 Operator : F.NAEGLER
 Sample : R2208645-001|1.0
 Misc : VCG 6646 T4
 ALS Vial : 49 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:29:30 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

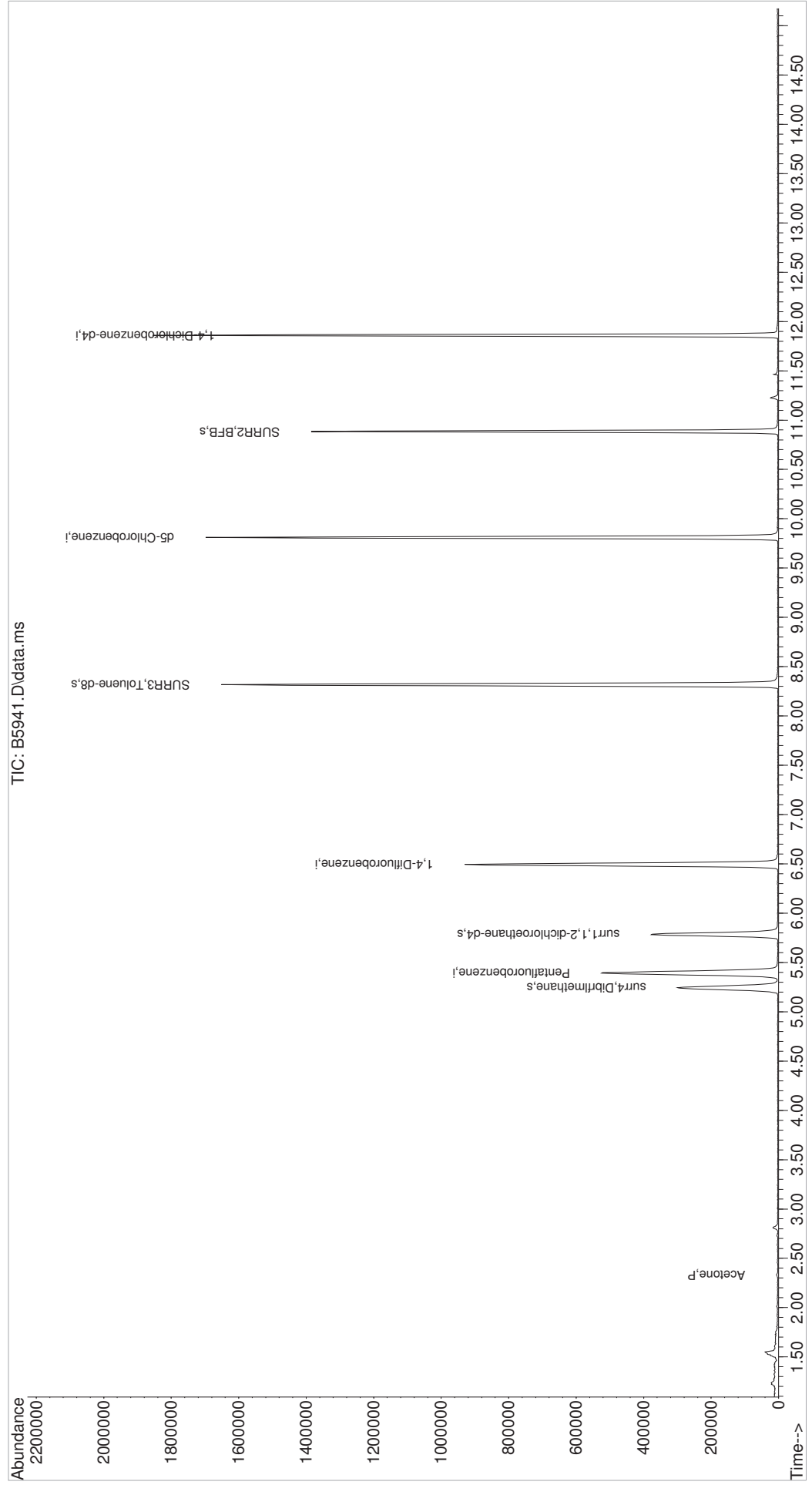
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	451609	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	768914	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	683668	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	318464	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	250702	50.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	101.98%
47) surr1,1,2-dichloroetha...	5.781	65	322048	51.01	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	102.02%
65) SURR3,Toluene-d8	8.317	98	961282	51.31	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.62%
70) SURR2,BFB	10.884	95	338926	48.03	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	96.06%
Target Compounds						
6) Bromomethane	1.587	94	443	Below Cal		Qvalue 95
16) Acetone	2.331	43	3847m	1.44	ug/L	

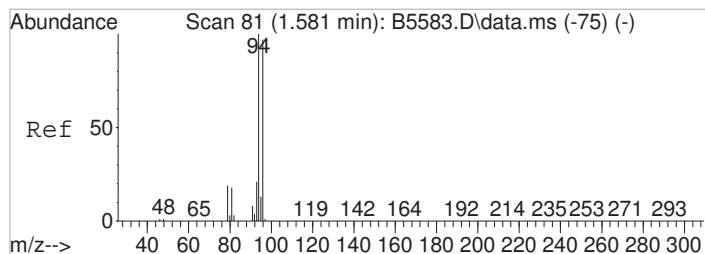
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5941.D
 Acq On : 20 Sep 2022 4:49 am
 Operator : F.NAEGLER
 Sample : R2208645-001|1.0
 Misc : VCG 6646 T4
 ALS Vial : 49 Sample Multiplier: 1

Inst : MSVOA10

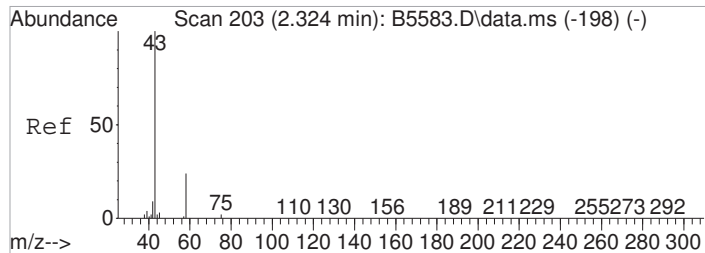
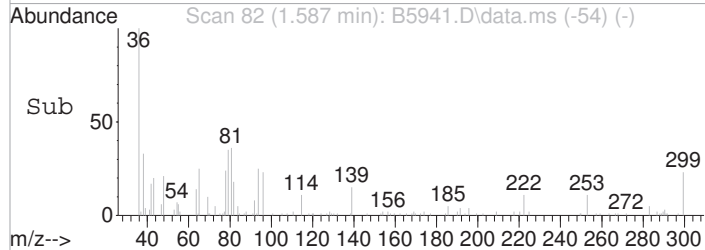
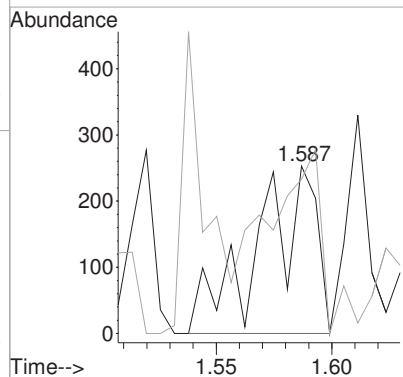
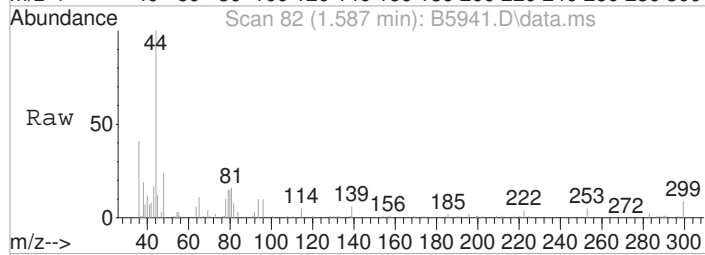
Quant Time: Sep 20 16:29:30 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





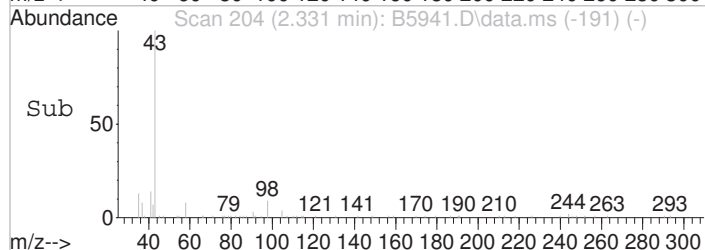
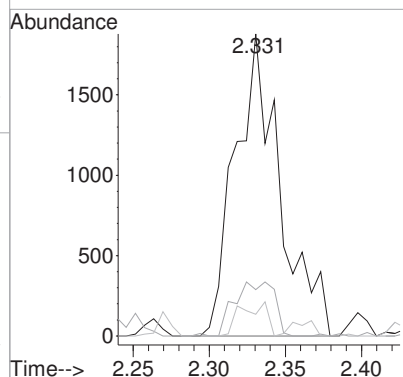
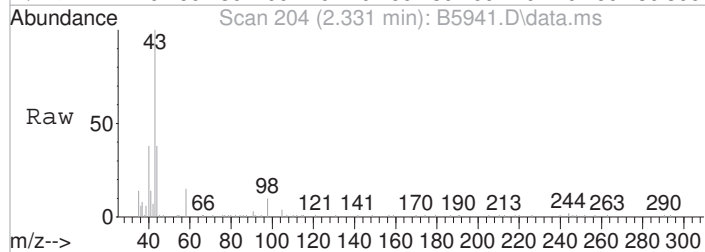
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: B5941.D
 Acq: 20 Sep 2022 4:49 am

Tgt Ion: 94 Resp: 443
 Ion Ratio Lower Upper
 94 100
 96 92.1 77.0 117.0



#16
 Acetone
 Concen: 1.44 ug/L m
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5941.D
 Acq: 20 Sep 2022 4:49 am

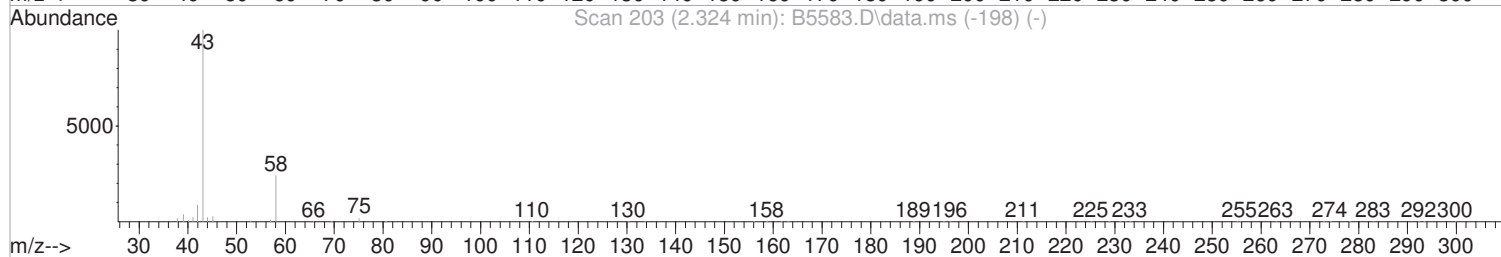
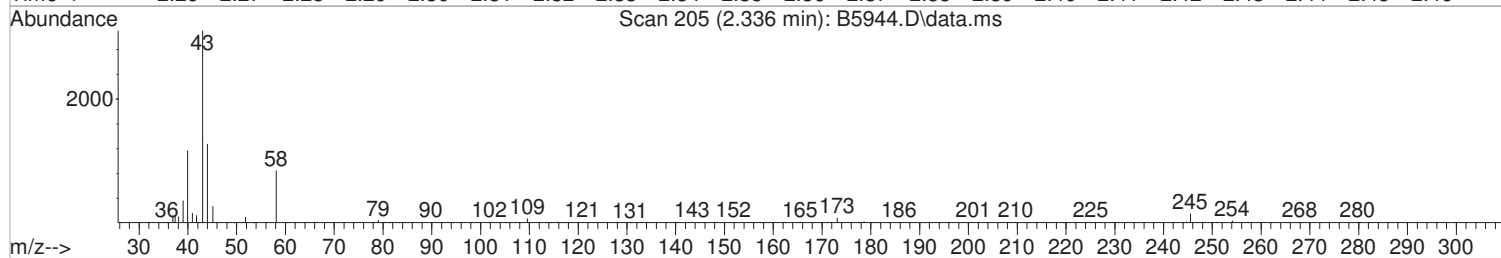
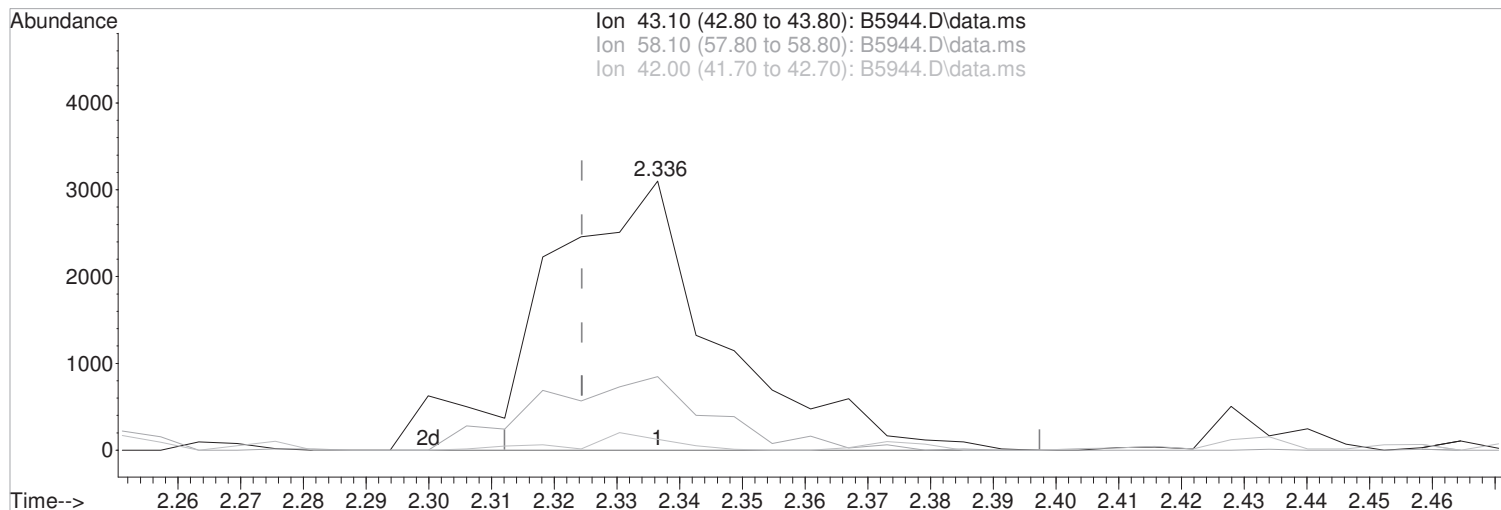
Tgt Ion: 43 Resp: 3847
 Ion Ratio Lower Upper
 43 100
 58 15.4 3.7 43.7
 42 7.2 0.0 28.6



Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5944.D
Acq On : 20 Sep 2022 5:54 am
Operator : F.NAEGLER
Sample : R2208645-002|1.0
Misc : VCG 6646 T4
ALS Vial : 52 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:28 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5944.D\data.ms

(16) Acetone (P)

2.336min (+0.012) 2.26 ug/L m

response 6008

Ion	Exp%	Act%
43.10	100	100
58.10	23.70	27.30
42.00	8.60	4.07
0.00	0.00	0.00

Manual Integration:

After

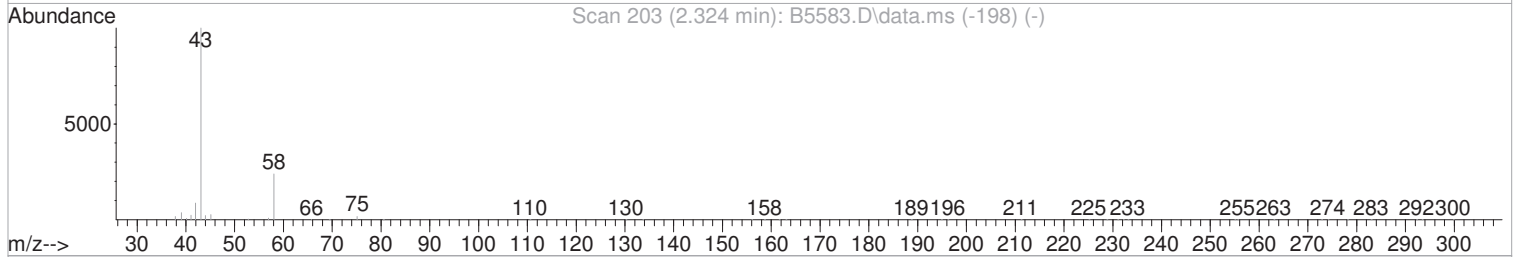
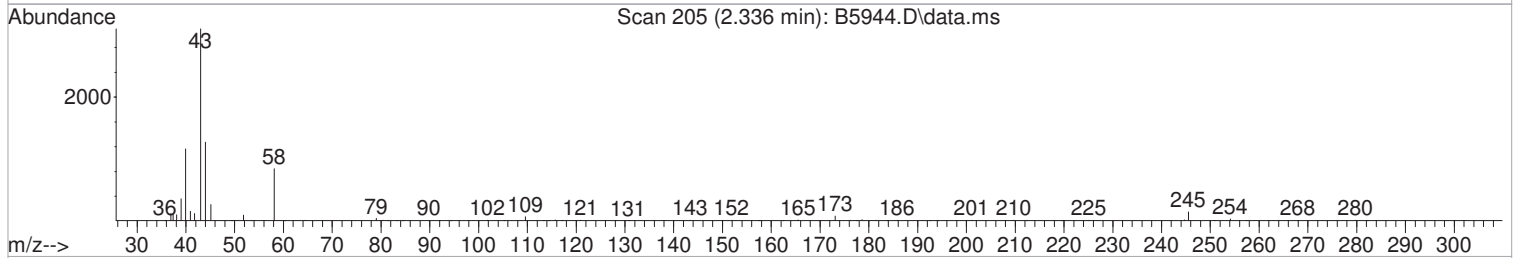
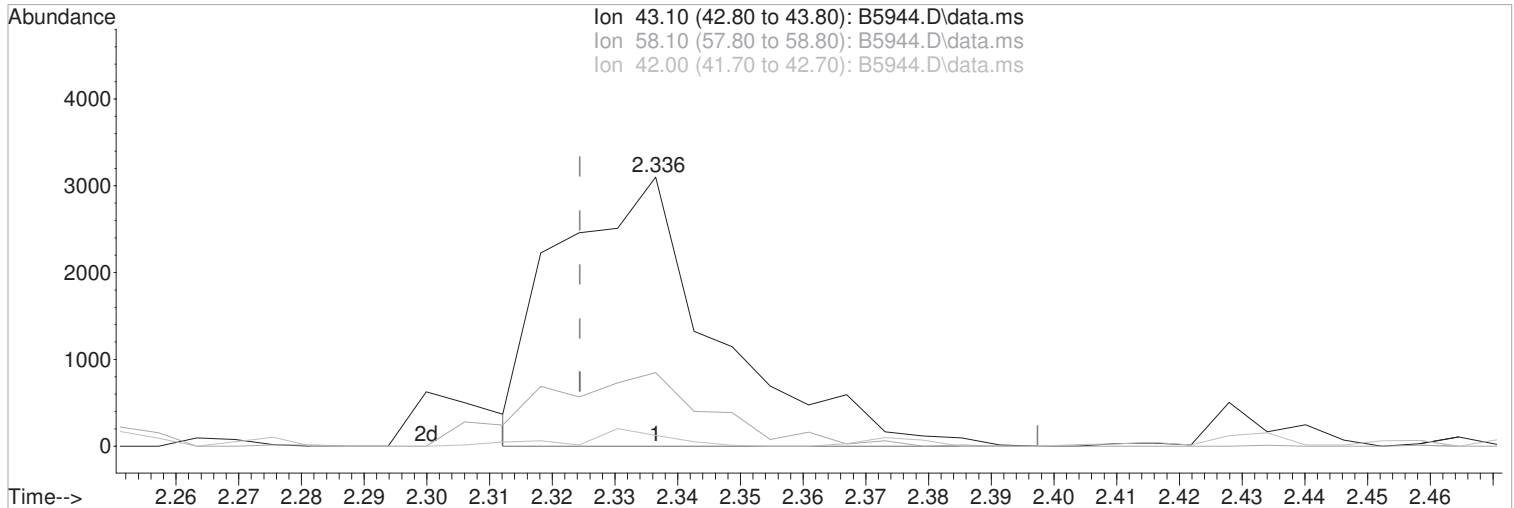
Poor integration.

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5944.D
Acq On : 20 Sep 2022 5:54 am
Operator : F.NAEGLER
Sample : R2208645-002|1.0
Misc : VCG 6646 T4
ALS Vial : 52 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:28 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5944.D\data.ms

(16) Acetone (P)

Manual Integration:

2.336min (+0.012) 2.06 ug/L

Before

response 5460

Ion	Exp%	Act%
43.10	100	100
58.10	23.70	27.30
42.00	8.60	4.07
0.00	0.00	0.00

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5944.D
 Acq On : 20 Sep 2022 5:54 am
 Operator : F.NAEGLER
 Sample : R2208645-002|1.0
 Misc : VCG 6646 T4
 ALS Vial : 52 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:32:53 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

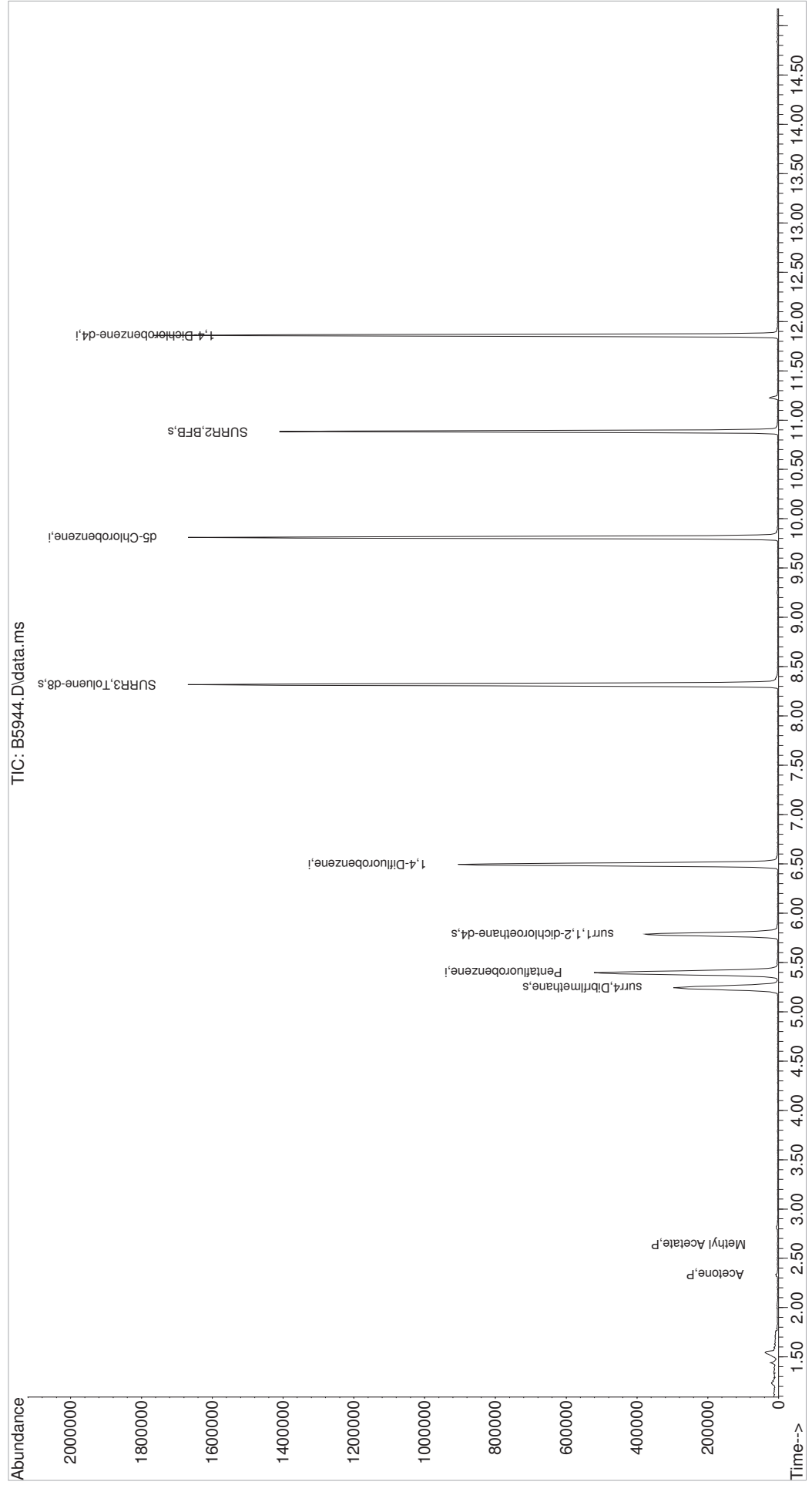
Internal Standards						
1) Pentafluorobenzene	5.397	168	449430	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	760545	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	674411	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	306934	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	245451	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	100.94%
47) surr1,1,2-dichloroetha...	5.787	65	329121	52.70	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	105.40%
65) SURR3,Toluene-d8	8.317	98	956151	51.60	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	103.20%
70) SURR2,BFB	10.884	95	345302	49.47	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	98.94%
Target Compounds						
6) Bromomethane	1.587	94	490	Below Cal		Qvalue 83
16) Acetone	2.336	43	6008m	2.26	ug/L	
22) Methyl Acetate	2.641	43	1586	0.25	ug/L	69

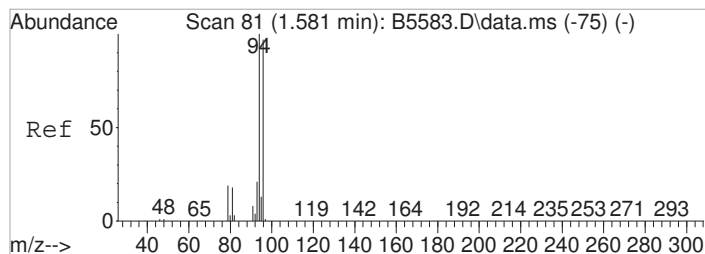
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5944.D
 Acq On : 20 Sep 2022 5:54 am
 Operator : F.NAEGLER
 Sample : R2208645-002|1.0
 Misc : VCG 6646 T4
 ALS Vial : 52 Sample Multiplier: 1

Inst : MSVOA10

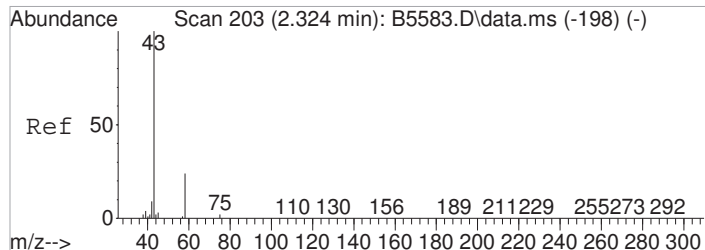
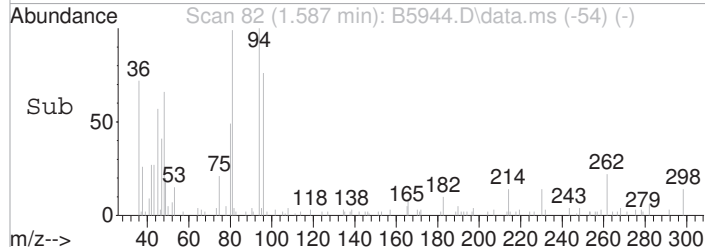
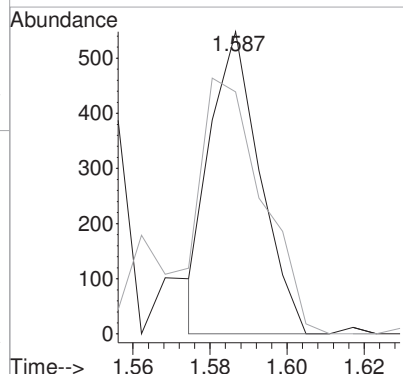
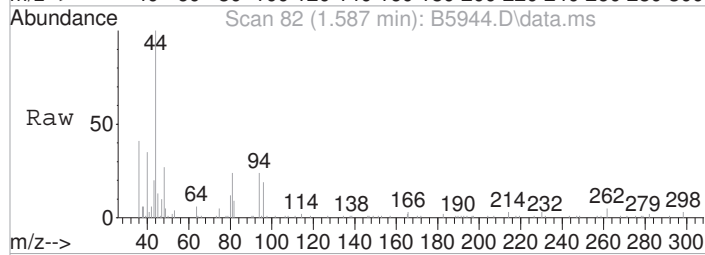
Quant Time: Sep 20 16:32:53 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





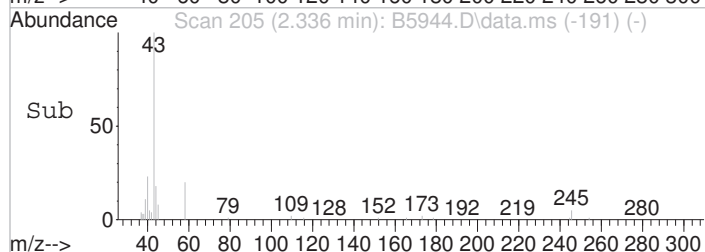
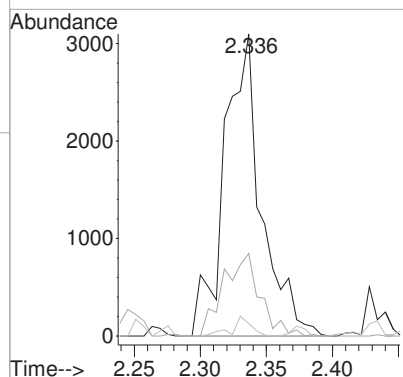
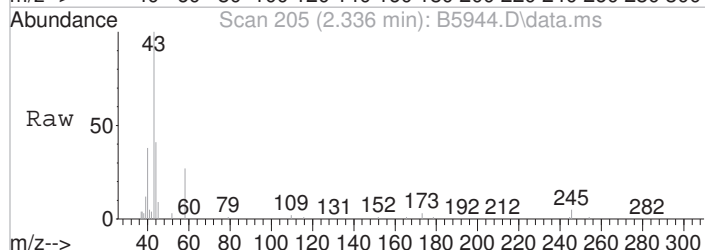
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: B5944.D
 Acq: 20 Sep 2022 5:54 am

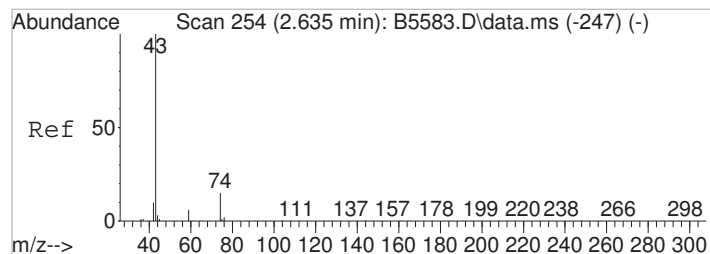
Tgt Ion: 94 Resp: 490
 Ion Ratio Lower Upper
 94 100
 96 80.1 77.0 117.0



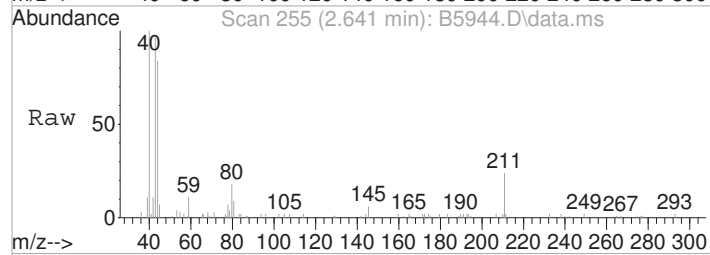
#16
 Acetone
 Concen: 2.26 ug/L m
 RT: 2.336 min Scan# 205
 Delta R.T. 0.012 min
 Lab File: B5944.D
 Acq: 20 Sep 2022 5:54 am

Tgt Ion: 43 Resp: 6008
 Ion Ratio Lower Upper
 43 100
 58 27.3 3.7 43.7
 42 4.1 0.0 28.6

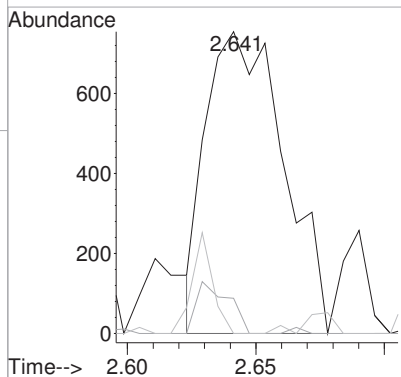
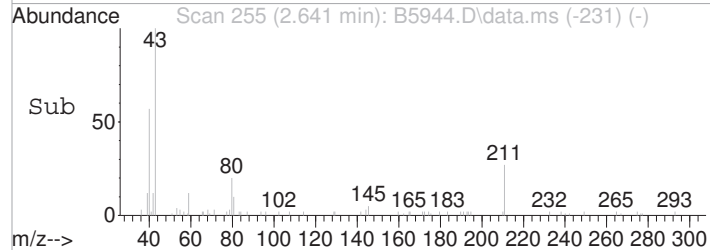




#22
 Methyl Acetate
 Concen: 0.25 ug/L
 RT: 2.641 min Scan# 255
 Delta R.T. 0.006 min
 Lab File: B5944.D
 Acq: 20 Sep 2022 5:54 am



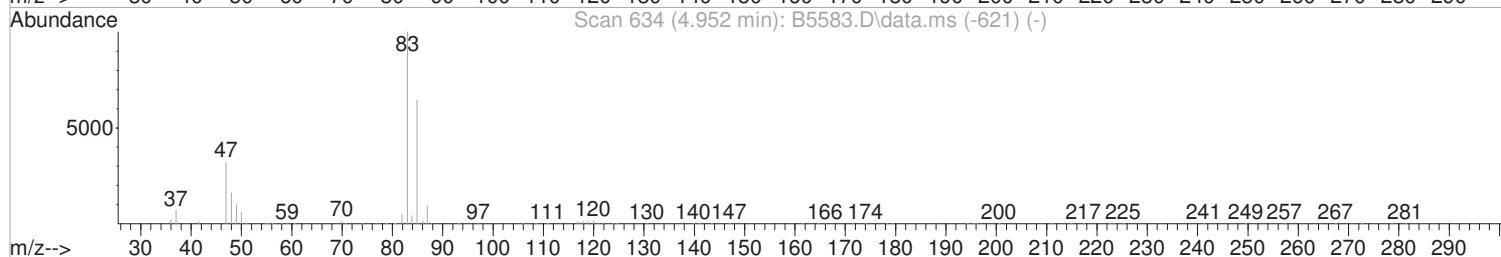
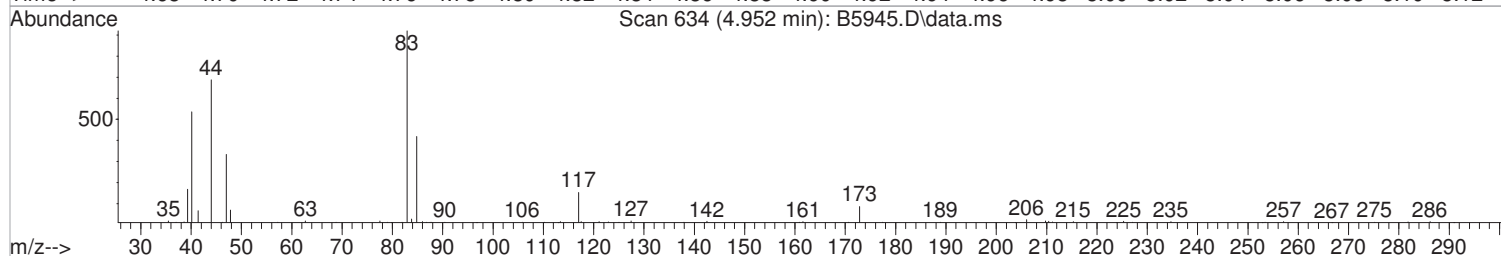
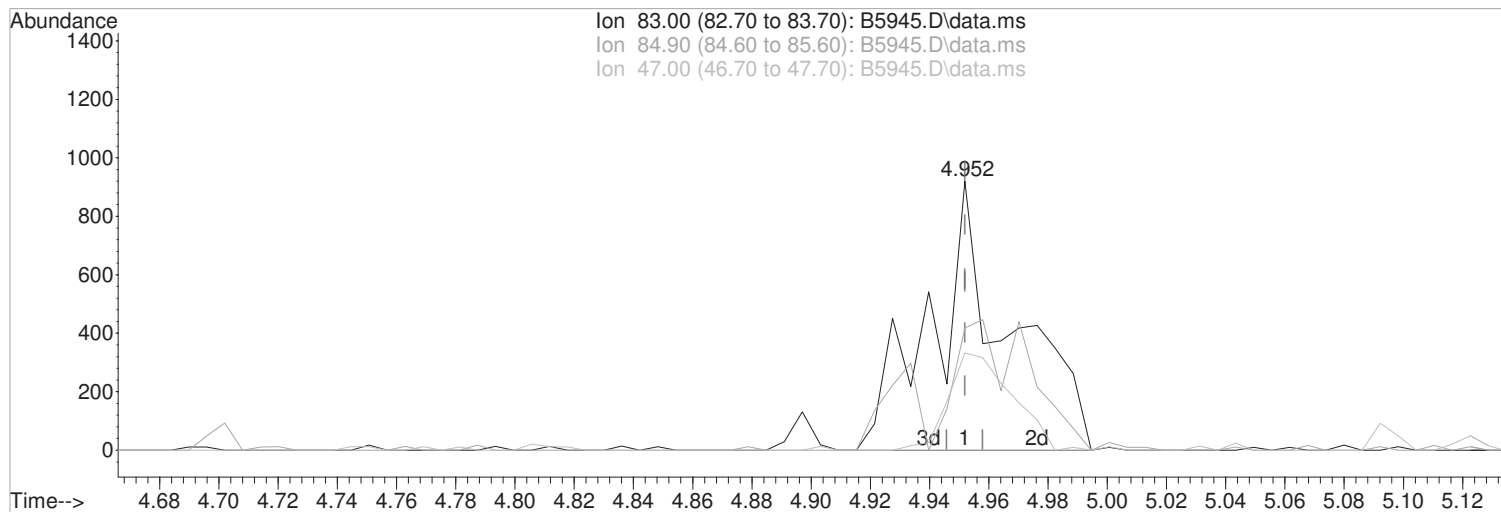
Tgt Ion: 43 Resp: 1586
 Ion Ratio Lower Upper
 43 100
 59 11.7 0.0 26.1
 74 0.0 0.0 35.3



Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5945.D
Acq On : 20 Sep 2022 6:16 am
Operator : F.NAEGLER
Sample : R2208645-003|1.0
Misc : VCG 6646 T4
ALS Vial : 53 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:39 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5945.D\data.ms

(40) Chloroform (P)

4.952min (-0.000) 0.21 ug/L m

response 1698

Ion	Exp%	Act%
83.00	100	100
84.90	64.40	45.43
47.00	32.20	36.20
0.00	0.00	0.00

Manual Integration:

After

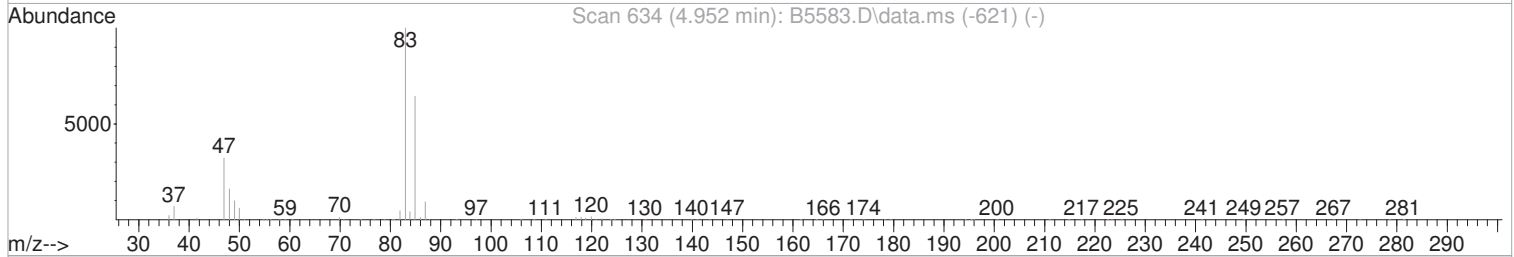
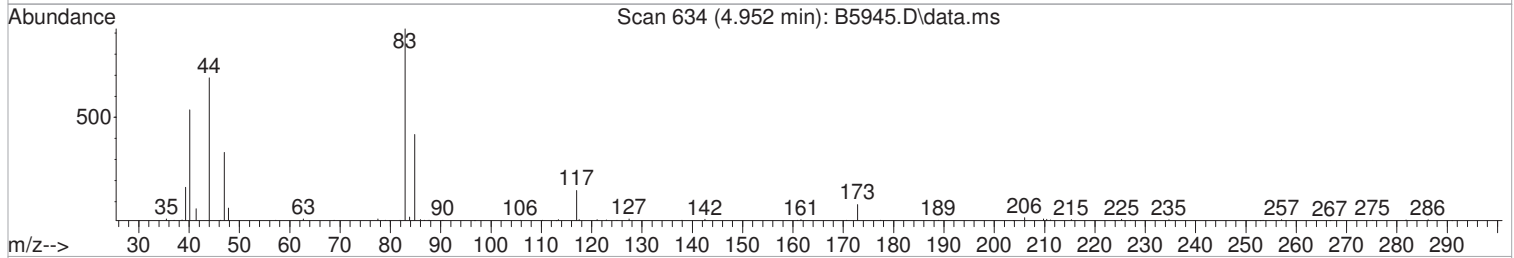
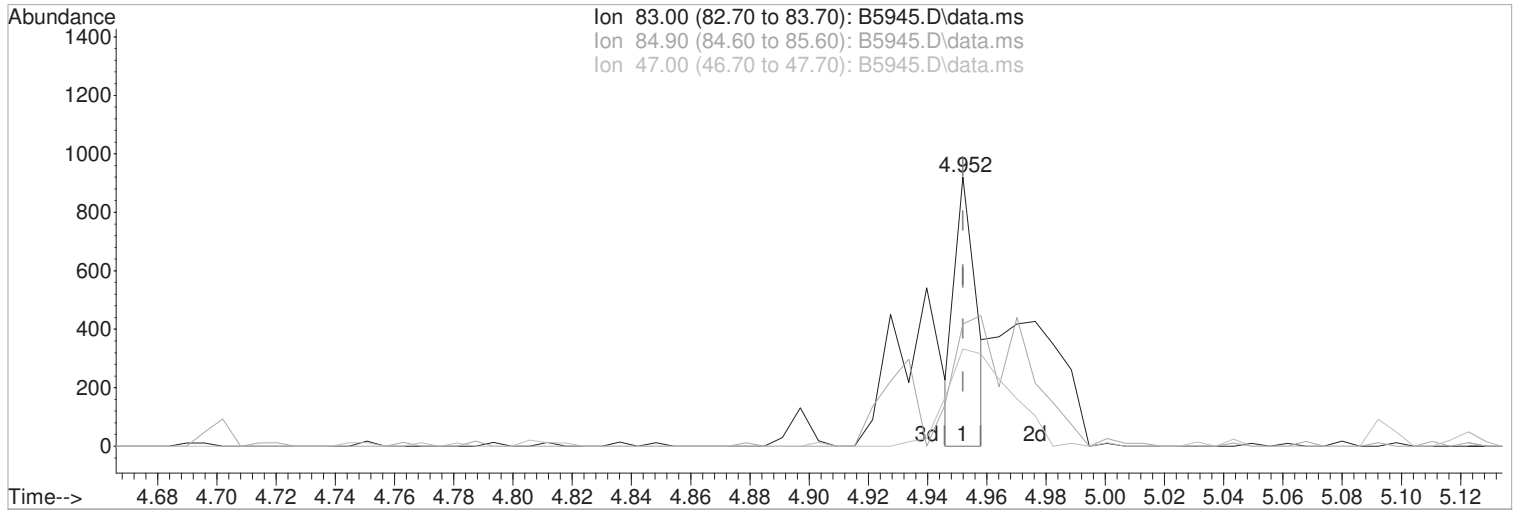
Poor integration.

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5945.D
Acq On : 20 Sep 2022 6:16 am
Operator : F.NAEGLER
Sample : R2208645-003|1.0
Misc : VCG 6646 T4
ALS Vial : 53 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:39 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5945.D\data.ms

(40) Chloroform (P)

Manual Integration:

4.952min (-0.000) 0.06 ug/L

Before

response 470

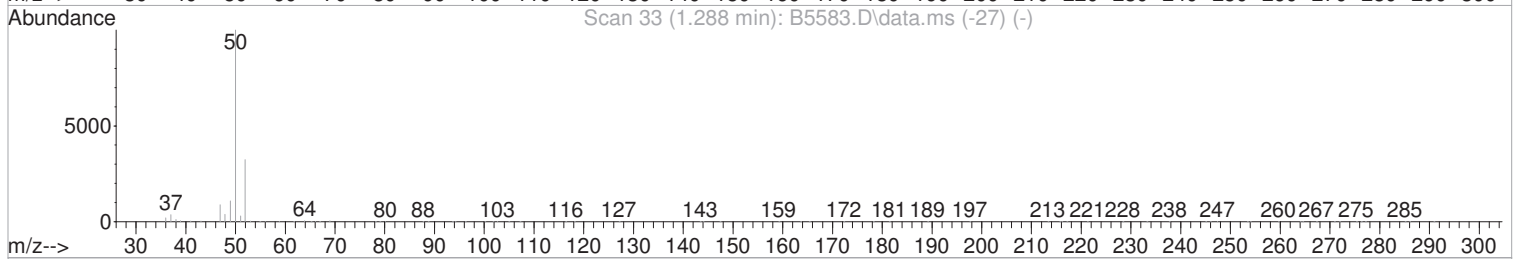
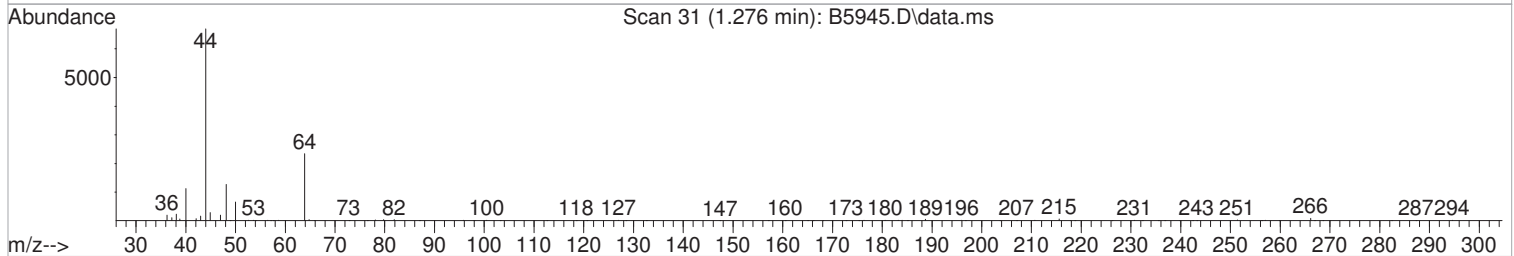
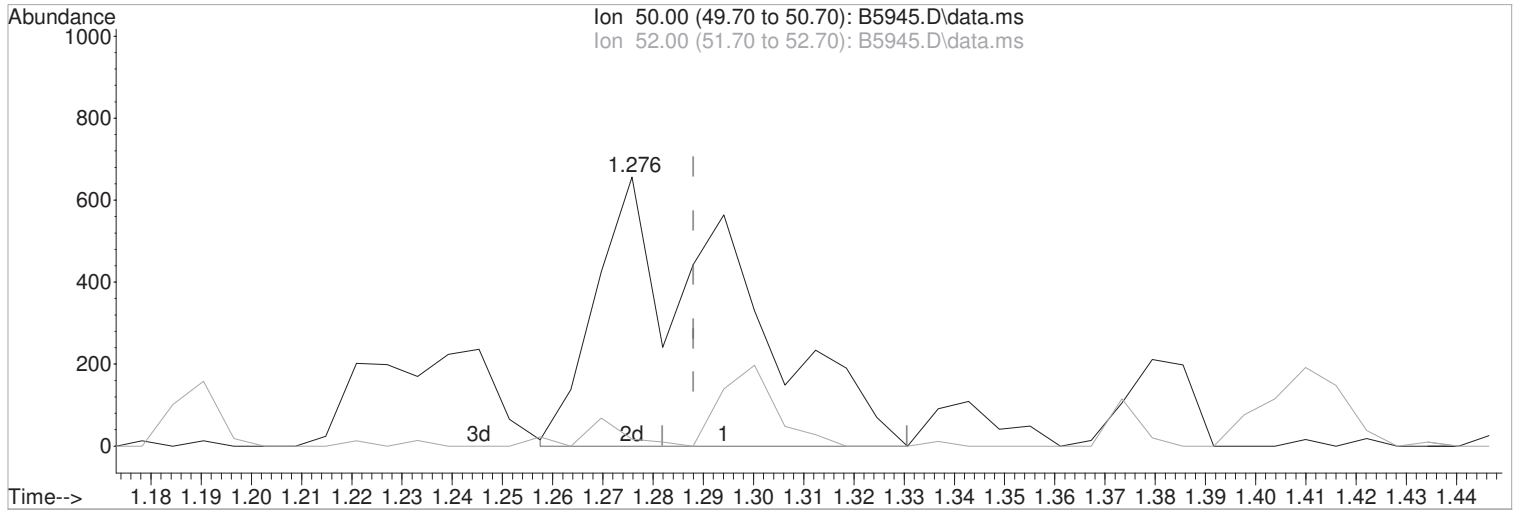
Ion	Exp%	Act%
83.00	100	100
84.90	64.40	45.43
47.00	32.20	36.20
0.00	0.00	0.00

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5945.D
Acq On : 20 Sep 2022 6:16 am
Operator : F.NAEGLER
Sample : R2208645-003|1.0
Misc : VCG 6646 T4
ALS Vial : 53 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:39 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5945.D\data.ms

(4) Chloromethane (P)

1.276min (-0.012) 0.21 ug/L m

response 1258

Ion	Exp%	Act%
50.00	100	100
52.00	32.40	2.59#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

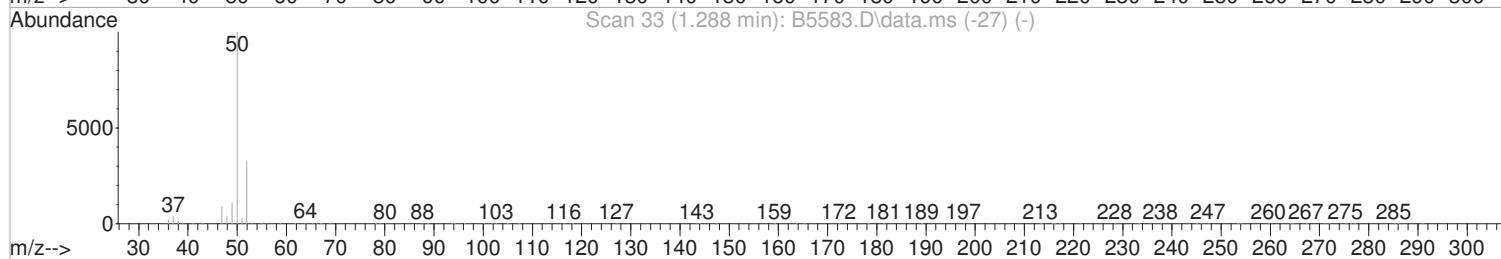
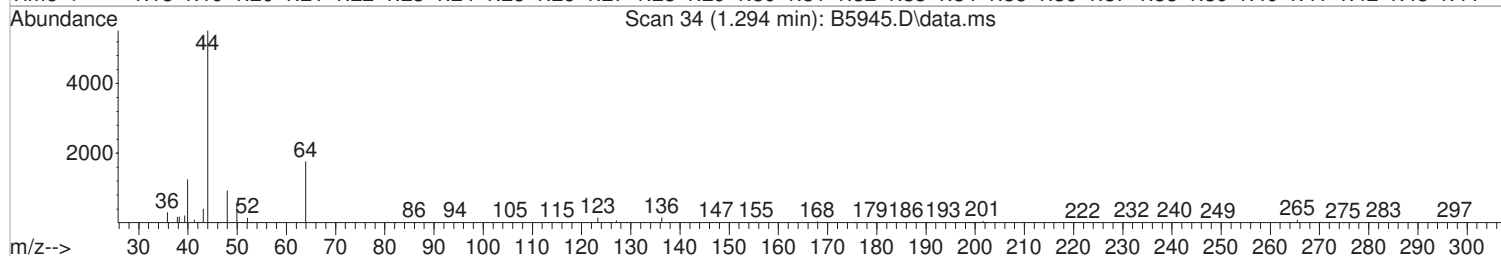
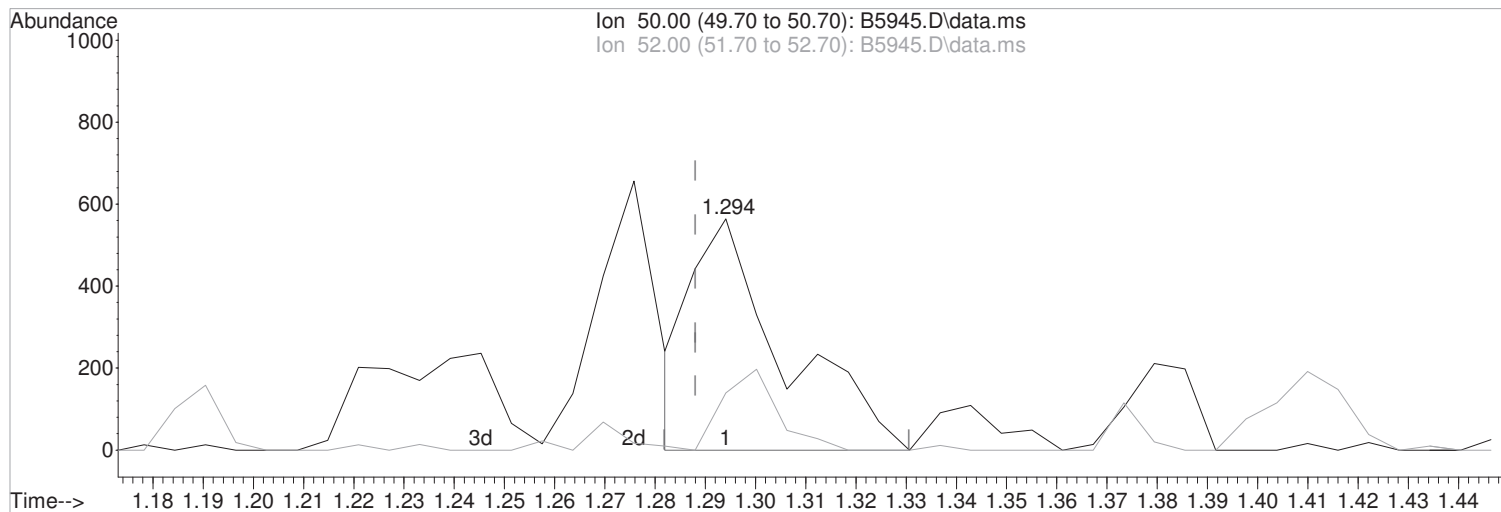
Poor integration.

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5945.D
Acq On : 20 Sep 2022 6:16 am
Operator : F.NAEGLER
Sample : R2208645-003|1.0
Misc : VCG 6646 T4
ALS Vial : 53 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:39 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5945.D\data.ms

(4) Chloromethane (P)

Manual Integration:

1.294min (+0.006) 0.12 ug/L

Before

response 724

Ion	Exp%	Act%
50.00	100	100
52.00	32.40	24.65
0.00	0.00	0.00
0.00	0.00	0.00

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5945.D
 Acq On : 20 Sep 2022 6:16 am
 Operator : F.NAEGLER
 Sample : R2208645-003|1.0
 Misc : VCG 6646 T4
 ALS Vial : 53 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:34:58 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

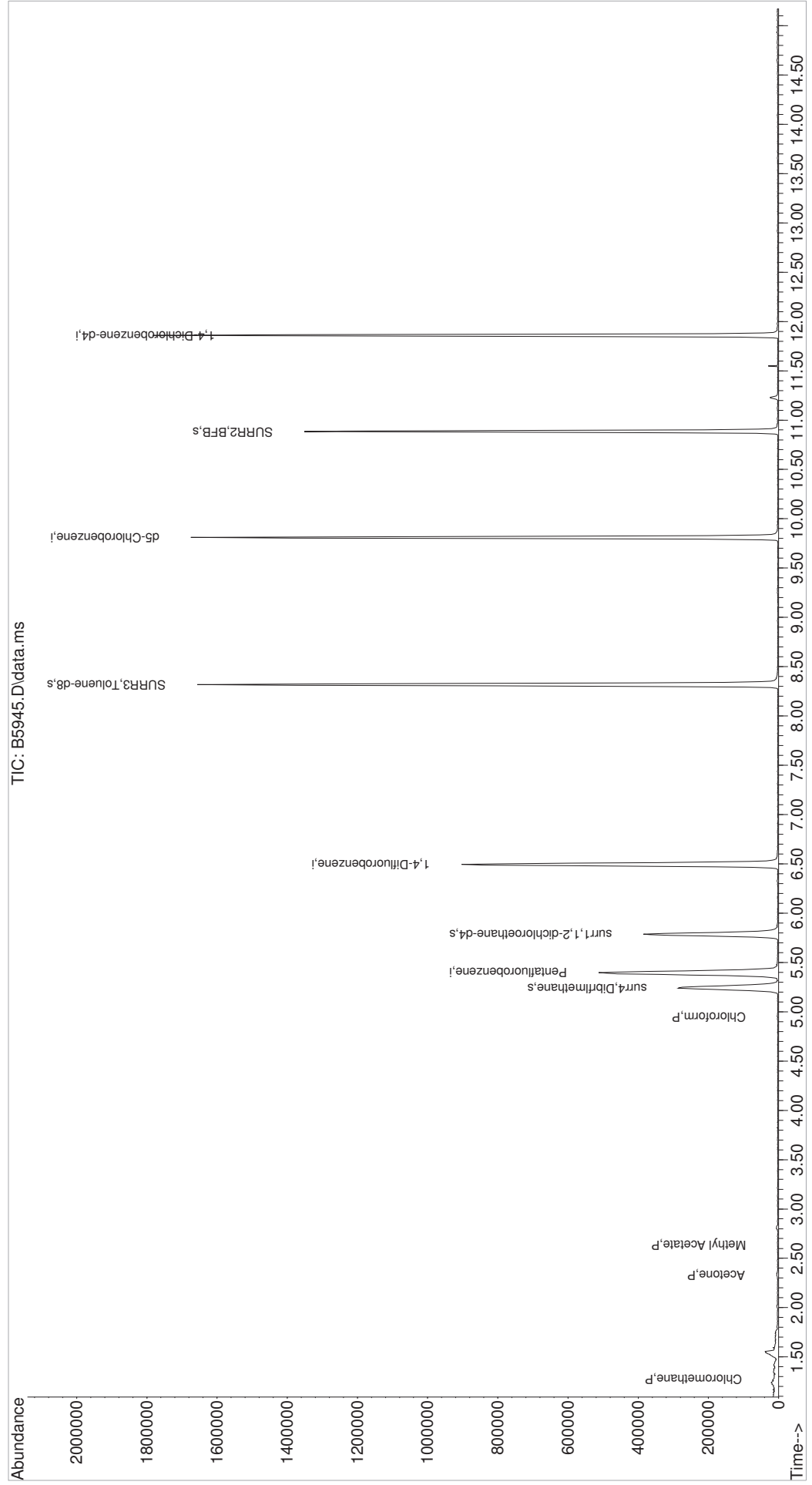
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

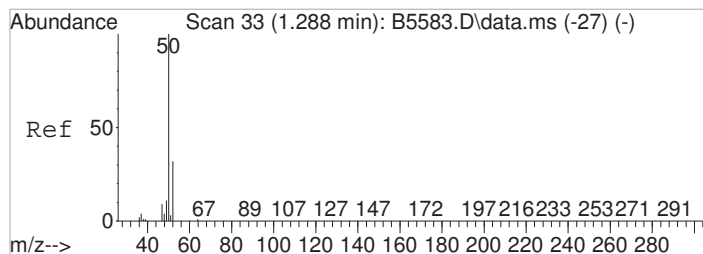
Internal Standards						
1) Pentafluorobenzene	5.397	168	439994	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	752686	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	680964	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	312366	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.238	113	238893	49.63	ug/L	-0.01
Spiked Amount	50.000	Range	80 - 116	Recovery	=	99.26%
47) surr1,1,2-dichloroetha...	5.787	65	322863	52.24	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	104.48%
65) SURR3,Toluene-d8	8.317	98	928078	50.60	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.20%
70) SURR2,BFB	10.884	95	332441	48.12	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	96.24%
Target Compounds						
4) Chloromethane	1.276	50	1258m	0.21	ug/L	Qvalue
6) Bromomethane	1.587	94	1435	Below Cal	#	64
16) Acetone	2.330	43	3516	1.35	ug/L	83
22) Methyl Acetate	2.635	43	1339	0.21	ug/L	70
40) Chloroform	4.952	83	1698m	0.21	ug/L	

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

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5945.D
 Acq On : 20 Sep 2022 6:16 am
 Operator : F.NAEGLER
 Sample : R2208645-003|1.0
 Misc : VCG 6646 T4
 ALS Vial : 53 Sample Multiplier: 1
 Inst : MSVOA10

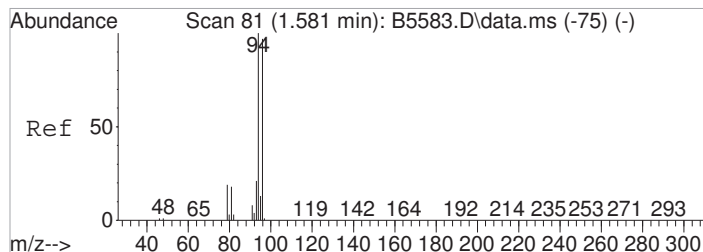
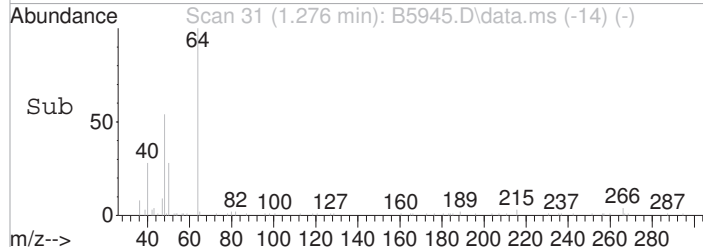
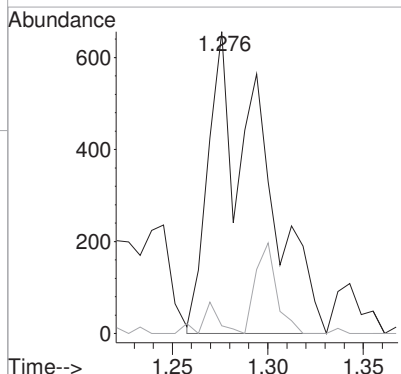
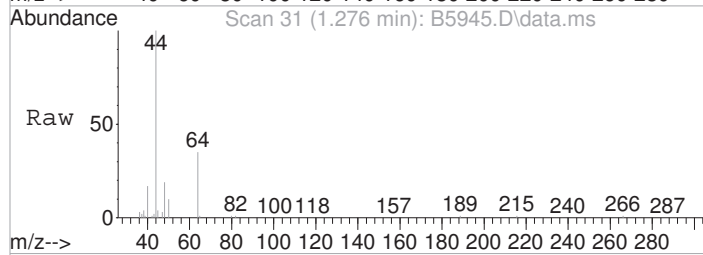
Quant Time: Sep 20 16:34:58 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





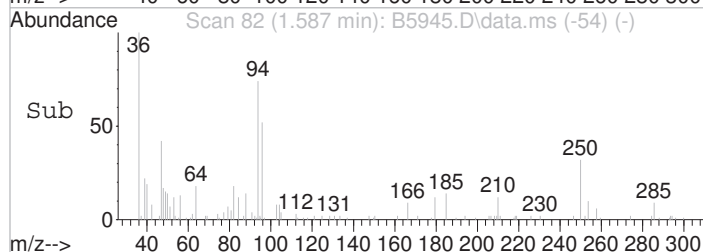
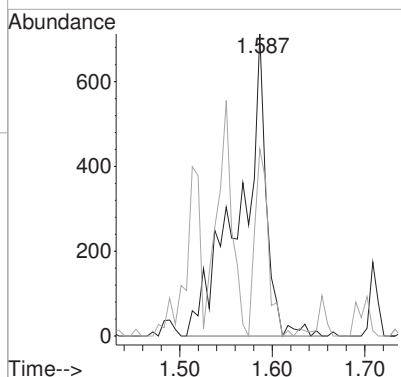
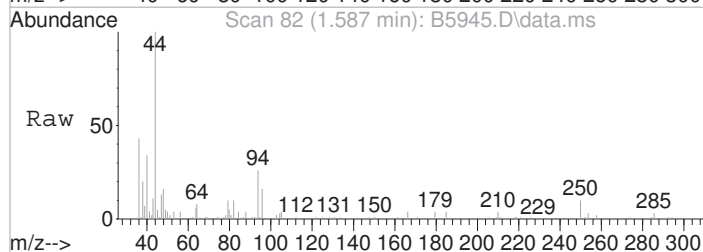
#4
 Chloromethane
 Concen: 0.21 ug/L m
 RT: 1.276 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: B5945.D
 Acq: 20 Sep 2022 6:16 am

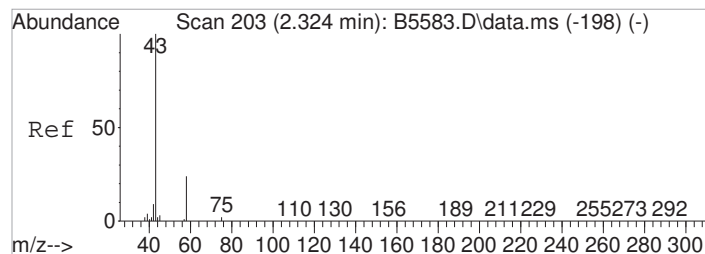
Tgt Ion: 50 Resp: 1258
 Ion Ratio Lower Upper
 50 100
 52 2.6 12.4 52.4#



#6
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: B5945.D
 Acq: 20 Sep 2022 6:16 am

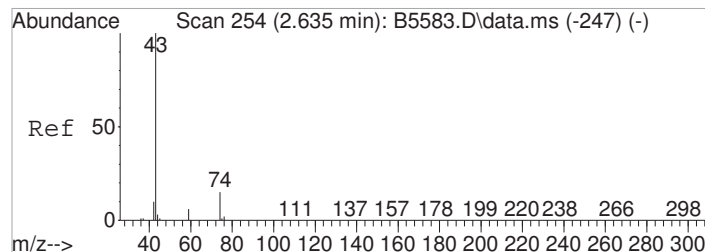
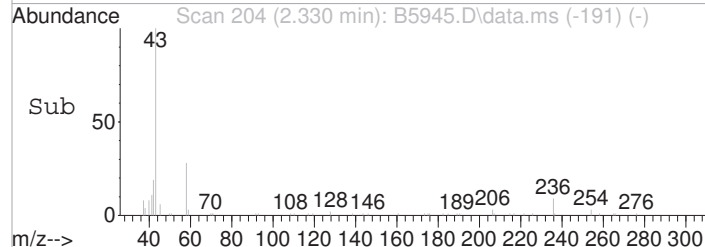
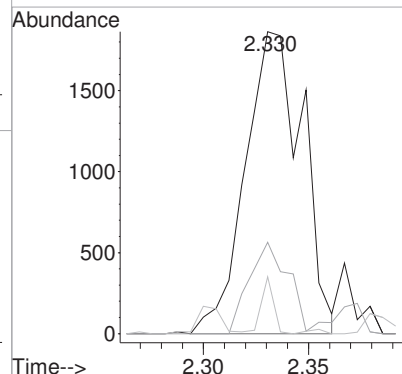
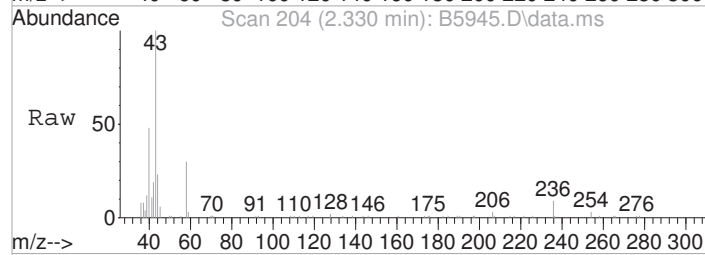
Tgt Ion: 94 Resp: 1435
 Ion Ratio Lower Upper
 94 100
 96 61.9 77.0 117.0#





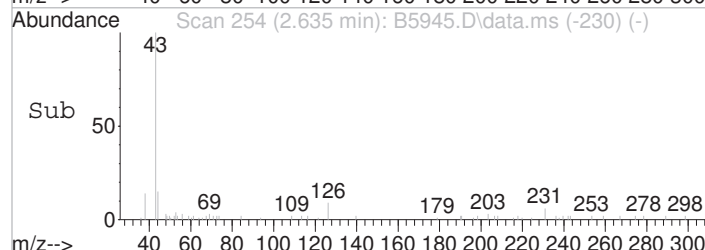
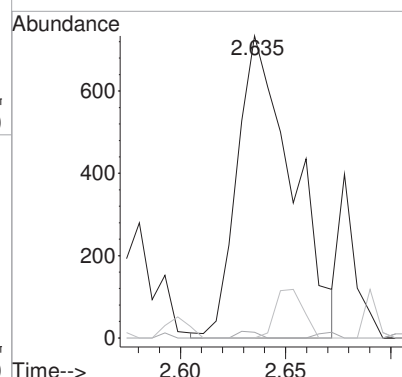
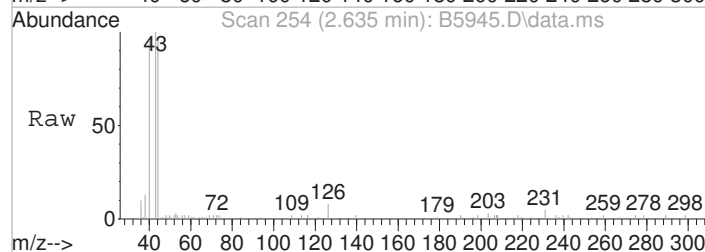
#16
 Acetone
 Concen: 1.35 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5945.D
 Acq: 20 Sep 2022 6:16 am

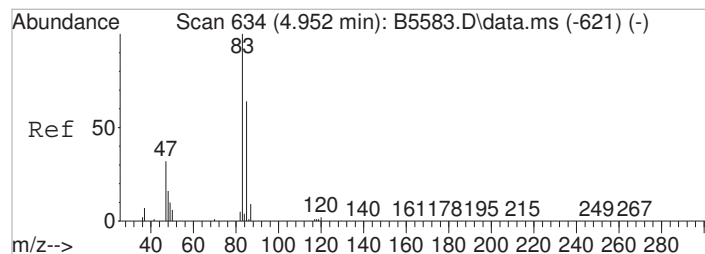
Tgt Ion	43	Resp	3516
Ion Ratio	100	Lower	Upper
58	30.3	3.7	43.7
42	18.8	0.0	28.6



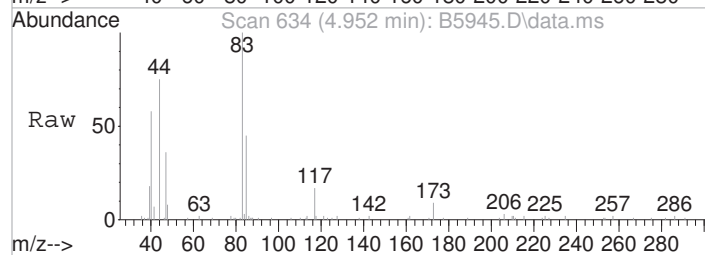
#22
 Methyl Acetate
 Concen: 0.21 ug/L
 RT: 2.635 min Scan# 254
 Delta R.T. 0.000 min
 Lab File: B5945.D
 Acq: 20 Sep 2022 6:16 am

Tgt Ion	43	Resp	1339
Ion Ratio	100	Lower	Upper
59	1.9	0.0	26.1
74	0.0	0.0	35.3

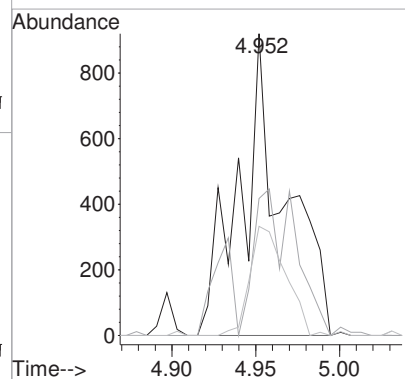
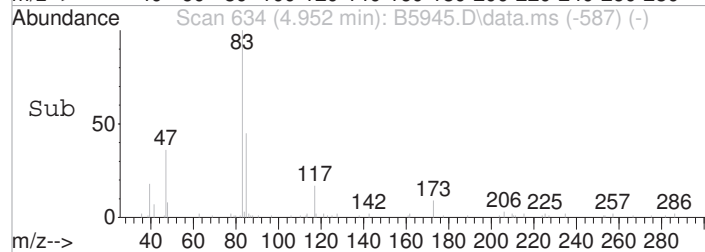




#40
 Chloroform
 Concen: 0.21 ug/L m
 RT: 4.952 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: B5945.D
 Acq: 20 Sep 2022 6:16 am



Tgt Ion: 83 Resp: 1698
 Ion Ratio Lower Upper
 83 100
 85 45.4 44.4 84.4
 47 36.2 12.2 52.2



Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5942.D
 Acq On : 20 Sep 2022 5:11 am
 Operator : F.NAEGLER
 Sample : R2208645-004|1.0
 Misc : VCG 6646 T4
 ALS Vial : 50 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:30:35 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

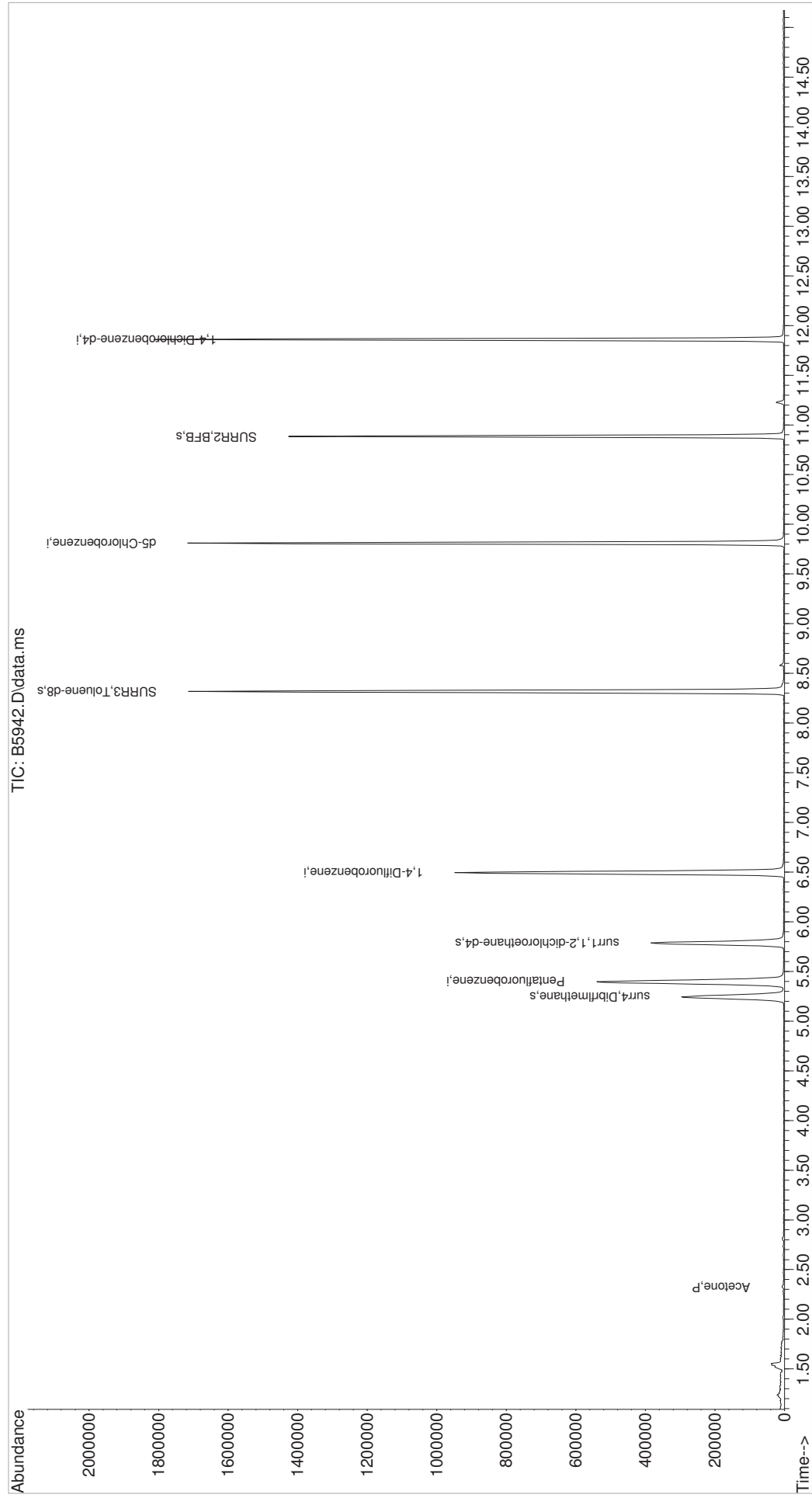
Internal Standards						
1) Pentafluorobenzene	5.397	168	464578	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	785685	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	691853	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	320522	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	248665	49.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	98.98%
47) surr1,1,2-dichloroetha...	5.787	65	331141	51.33	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	102.66%
65) SURR3,Toluene-d8	8.317	98	975483	50.95	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.90%
70) SURR2,BFB	10.884	95	350484	48.60	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	97.20%
Target Compounds						
6) Bromomethane	1.568	94	428	Below Cal	#	66
16) Acetone	2.324	43	3960	1.44	ug/L	92

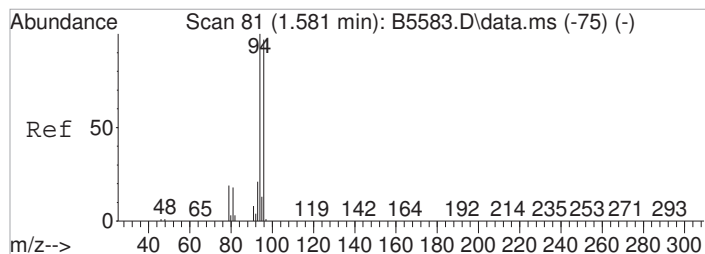
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5942.D
Acq On : 20 Sep 2022 5:11 am
Operator : F.NAEGLER
Sample : R2208645-004|1.0
Misc : VCG 6646 T4
ALS Vial : 50 Sample Multiplier: 1

Inst : MSVOA10

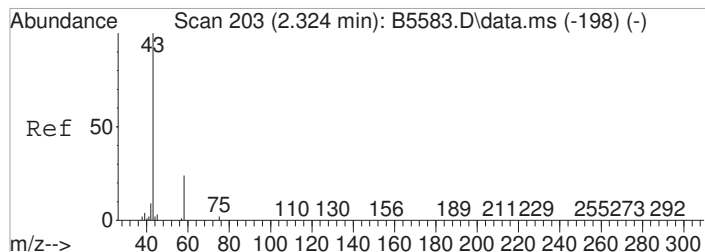
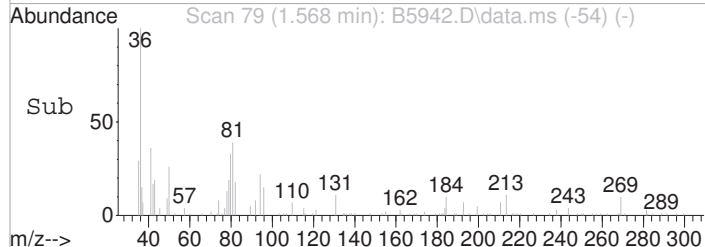
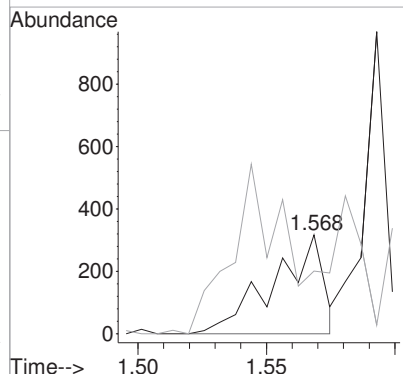
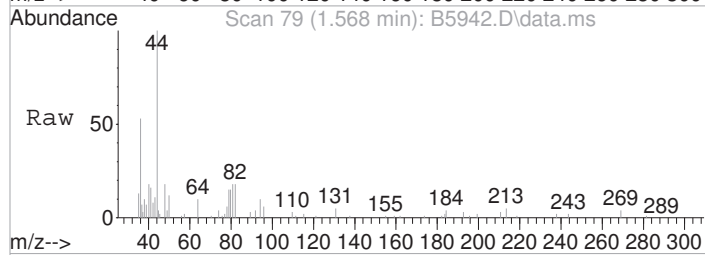
Quant Time: Sep 20 16:30:35 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration





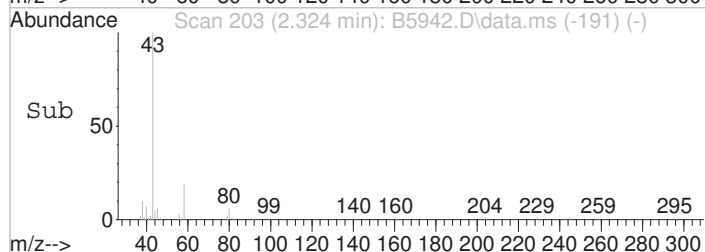
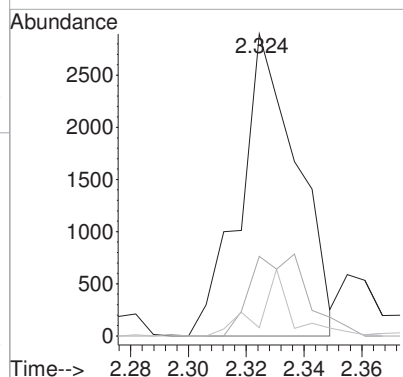
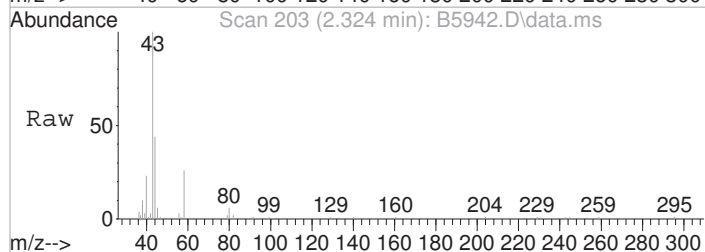
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.568 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: B5942.D
 Acq: 20 Sep 2022 5:11 am

Tgt Ion: 94 Resp: 428
 Ion Ratio Lower Upper
 94 100
 96 63.4 77.0 117.0#



#16
 Acetone
 Concen: 1.44 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B5942.D
 Acq: 20 Sep 2022 5:11 am

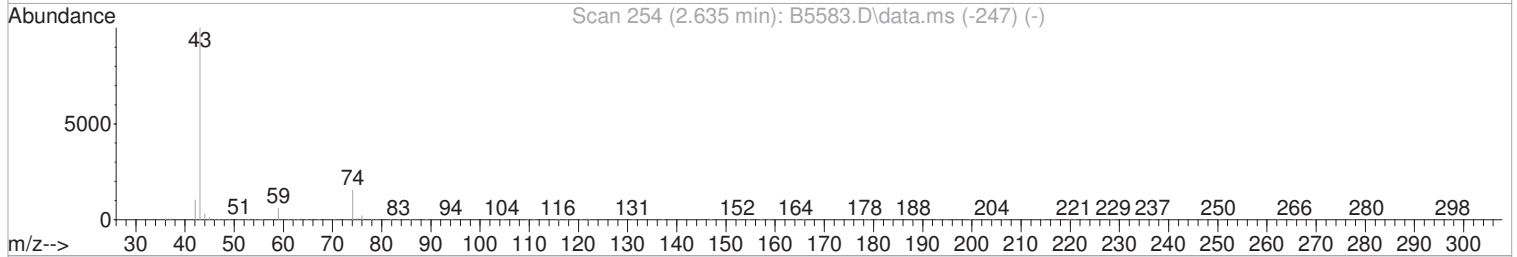
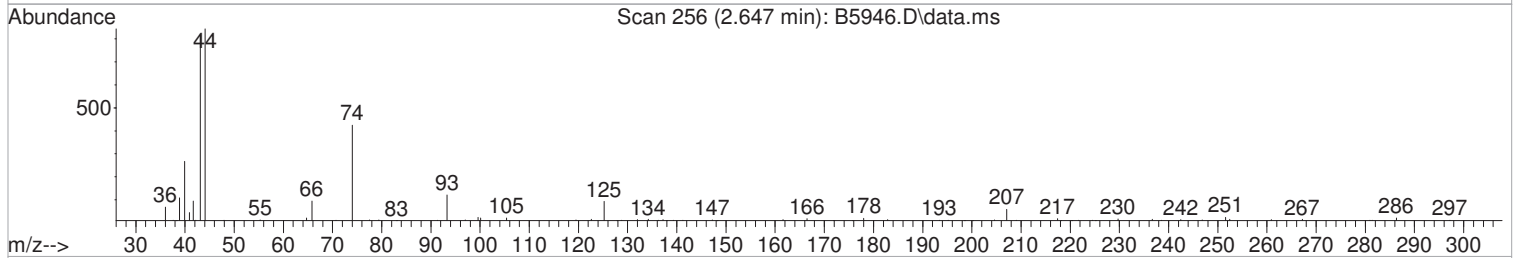
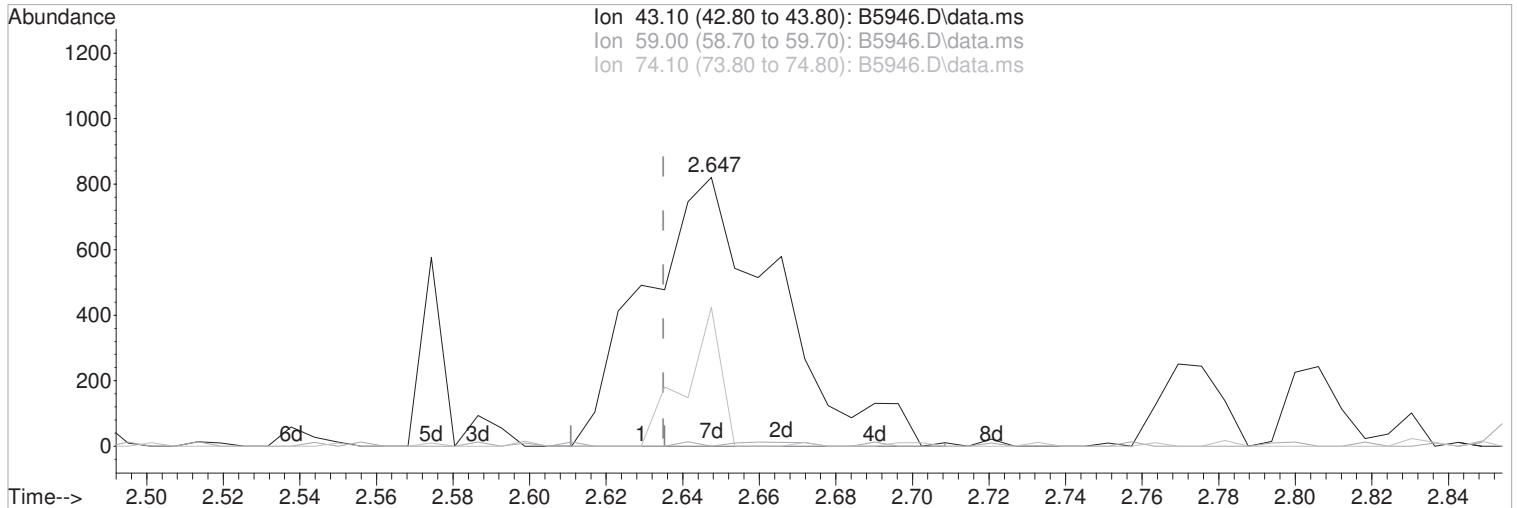
Tgt Ion: 43 Resp: 3960
 Ion Ratio Lower Upper
 43 100
 58 26.4 3.7 43.7
 42 2.8 0.0 28.6



Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5946.D
Acq On : 20 Sep 2022 6:38 am
Operator : F.NAEGLER
Sample : R2208645-006|1.0
Misc : VCG 6646 T4
ALS Vial : 54 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:53 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5946.D\data.ms

(22) Methyl Acetate (P)

2.647min (+0.012) 0.31 ug/L m

response 1990

Ion	Exp%	Act%
43.10	100	100
59.00	6.10	0.00
74.10	15.30	51.64#
0.00	0.00	0.00

Manual Integration:

After

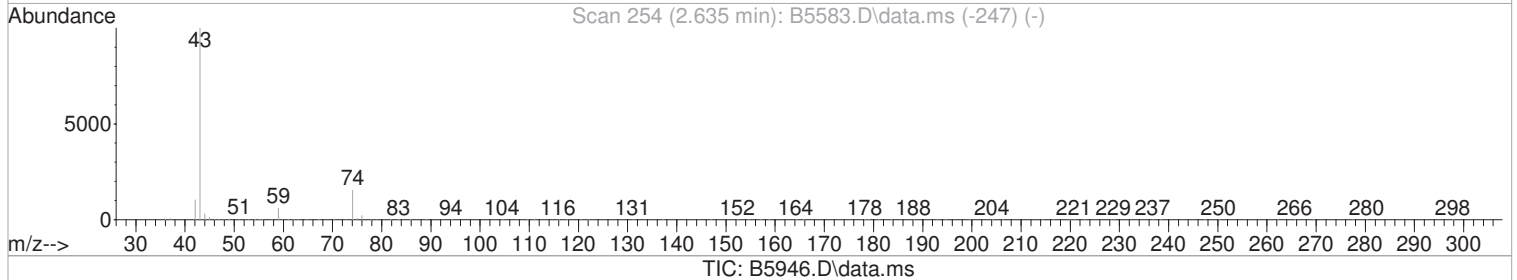
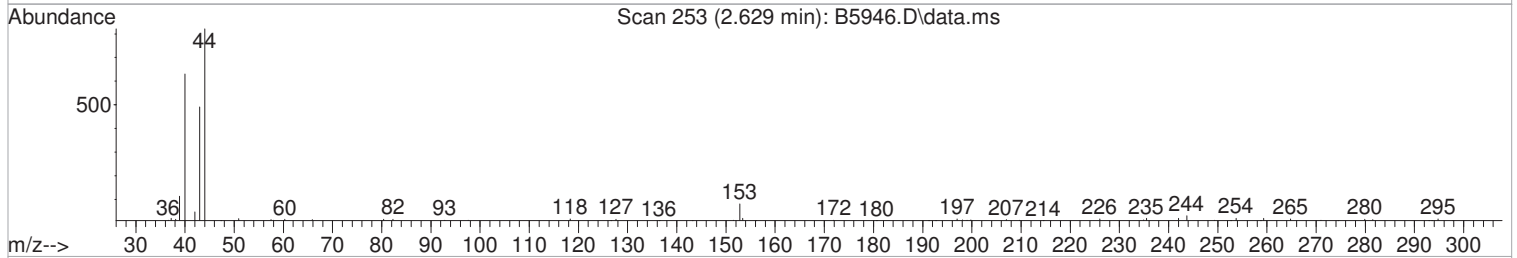
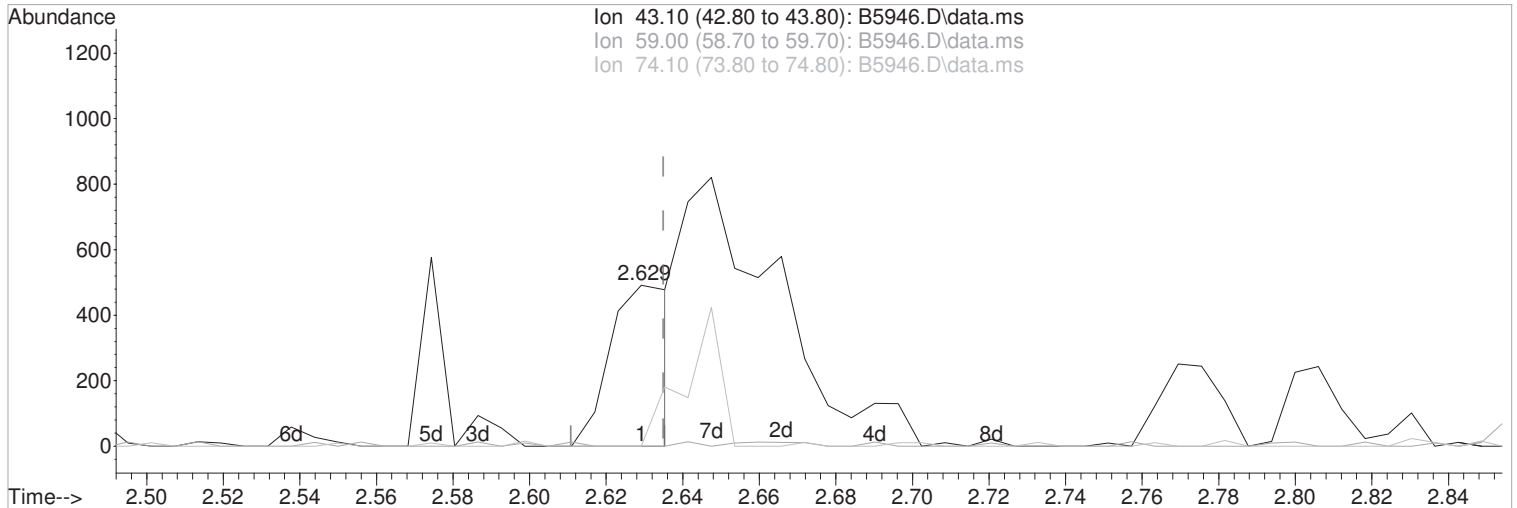
Poor integration.

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5946.D
Acq On : 20 Sep 2022 6:38 am
Operator : F.NAEGLER
Sample : R2208645-006|1.0
Misc : VCG 6646 T4
ALS Vial : 54 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:06:53 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



(22) Methyl Acetate (P)

Manual Integration:

2.629min (-0.006) 0.08 ug/L

Before

response 544

Ion	Exp%	Act%
43.10	100	100
59.00	6.10	0.00
74.10	15.30	0.00
0.00	0.00	0.00

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5946.D
 Acq On : 20 Sep 2022 6:38 am
 Operator : F.NAEGLER
 Sample : R2208645-006|1.0
 Misc : VCG 6646 T4
 ALS Vial : 54 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:36:21 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

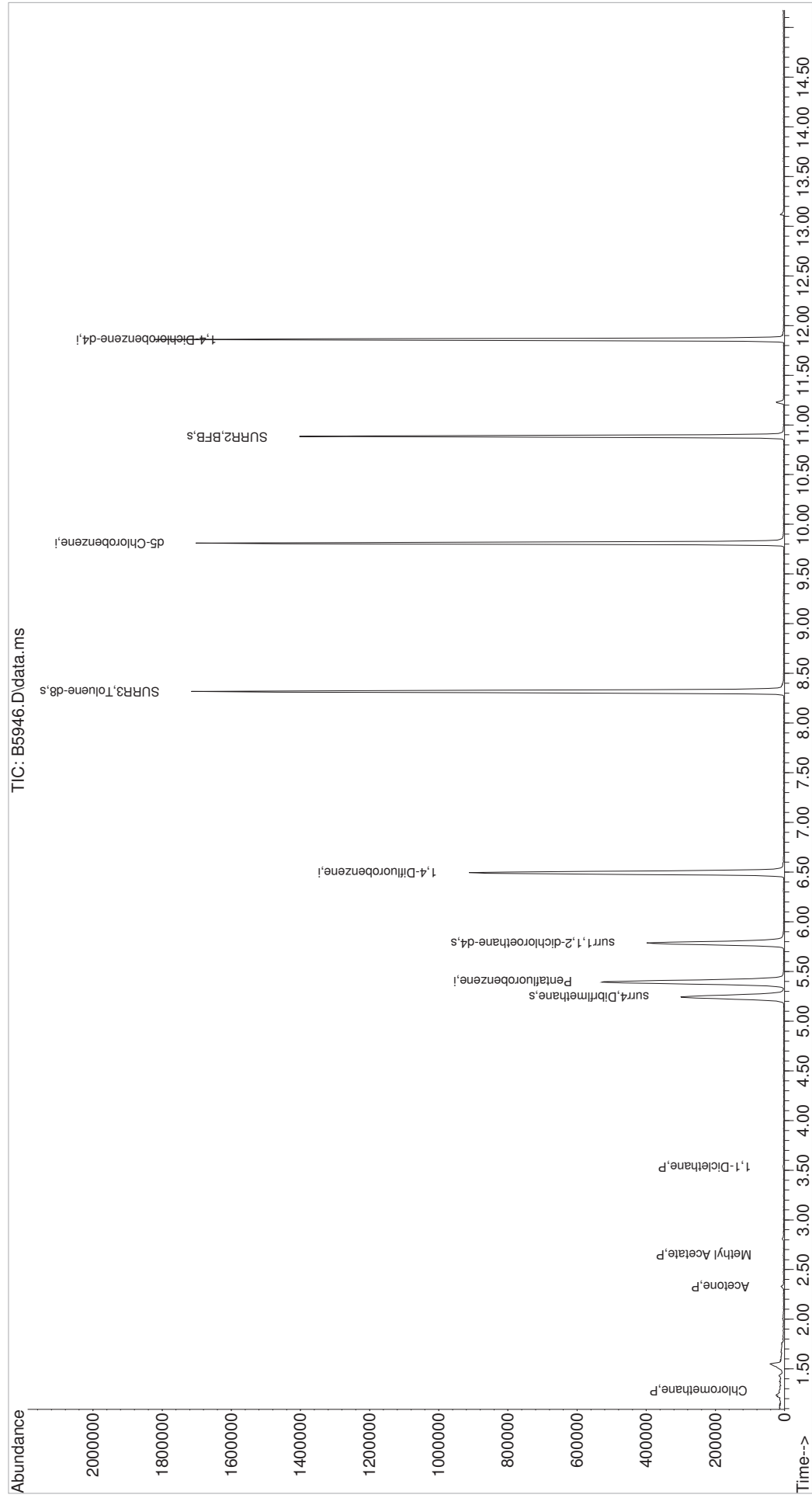
Internal Standards						
1) Pentafluorobenzene	5.397	168	455316	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	773013	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	688061	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	315802	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	249755	50.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	101.04%
47) surr1,1,2-dichloroetha...	5.787	65	336209	52.97	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	105.94%
65) SURR3,Toluene-d8	8.317	98	958457	50.89	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.78%
70) SURR2,BFB	10.884	95	339608	47.87	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	95.74%
Target Compounds						
4) Chloromethane	1.282	50	1374	0.23	ug/L	72
6) Bromomethane	1.550	94	326	Below	Cal	83
16) Acetone	2.330	43	7666	2.85	ug/L	89
22) Methyl Acetate	2.647	43	1990m	0.31	ug/L	
28) 1,1-Dicethane	3.531	63	2082	0.25	ug/L	85

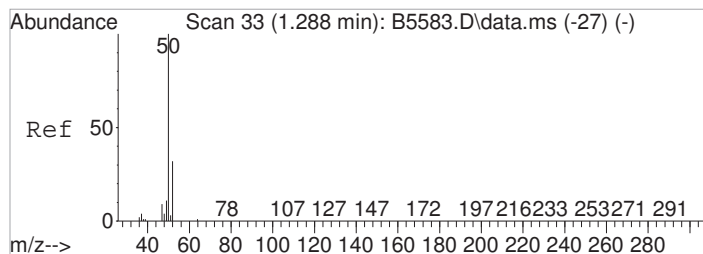
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5946.D
Acq On : 20 Sep 2022 6:38 am
Operator : F.NAEGLER
Sample : R2208645-006|1.0
Misc : VCG 6646 T4
ALS Vial : 54 Sample Multiplier: 1

Inst : MSVOA10

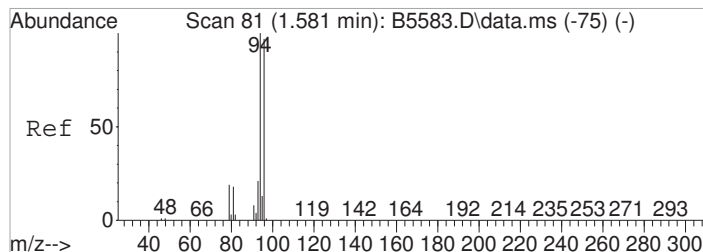
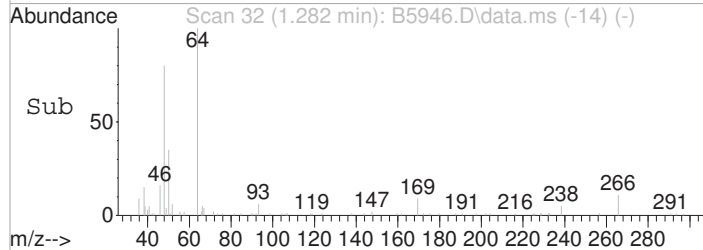
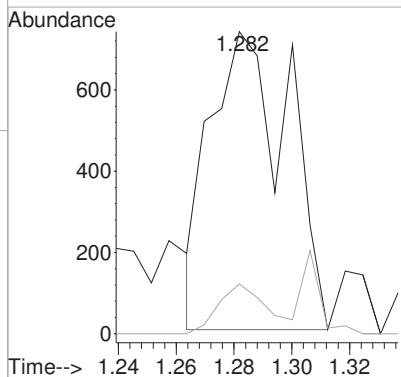
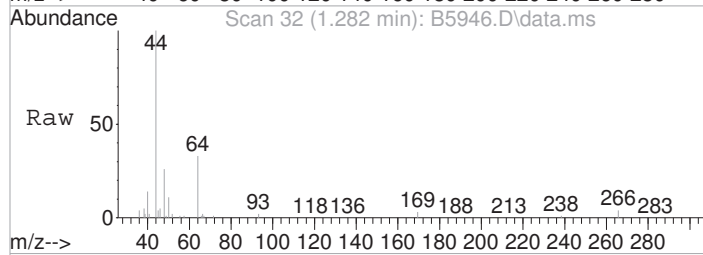
Quant Time: Sep 20 16:36:21 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration





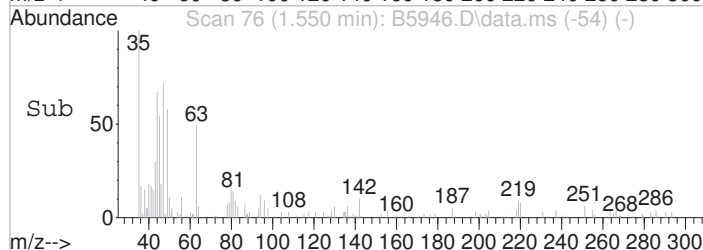
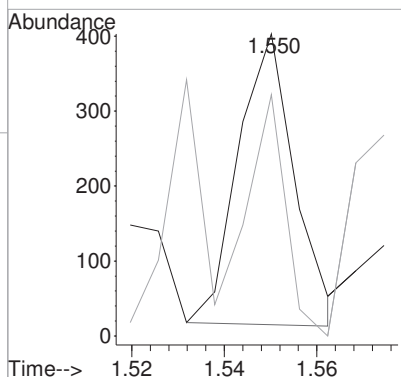
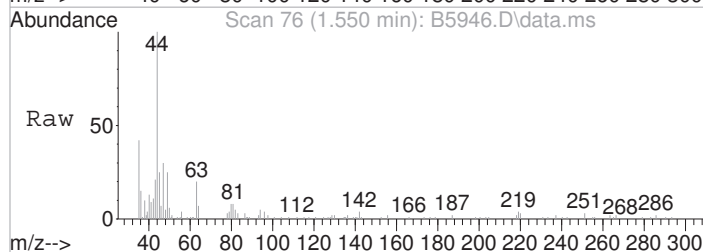
#4
 Chloromethane
 Concen: 0.23 ug/L
 RT: 1.282 min Scan# 32
 Delta R.T. -0.006 min
 Lab File: B5946.D
 Acq: 20 Sep 2022 6:38 am

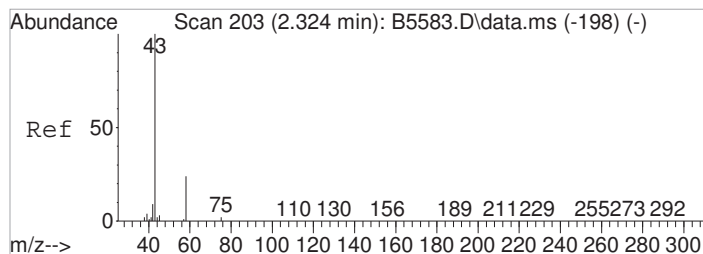
Tgt Ion: 50 Resp: 1374
 Ion Ratio Lower Upper
 50 100
 52 16.6 12.4 52.4



#6
 Bromomethane
 Concen: Below Cal
 RT: 1.550 min Scan# 76
 Delta R.T. -0.030 min
 Lab File: B5946.D
 Acq: 20 Sep 2022 6:38 am

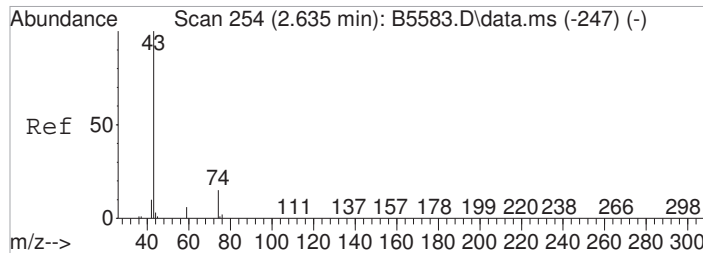
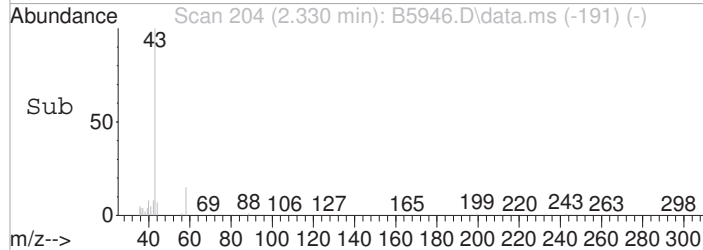
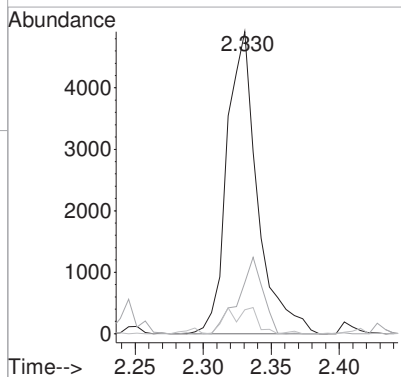
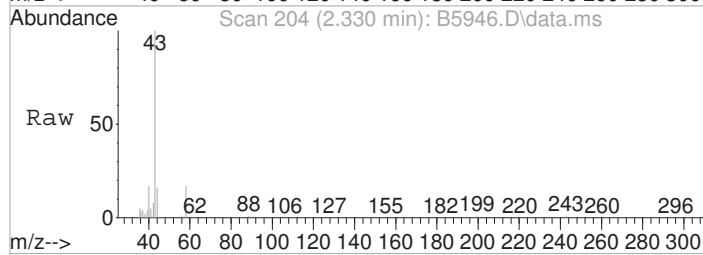
Tgt Ion: 94 Resp: 326
 Ion Ratio Lower Upper
 94 100
 96 79.9 77.0 117.0





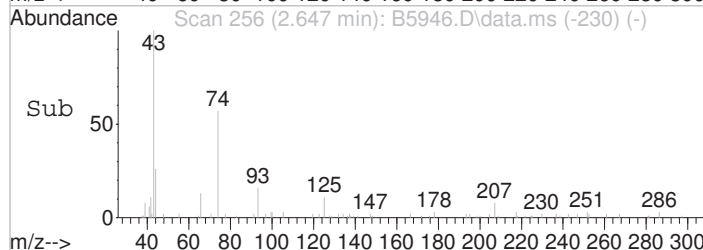
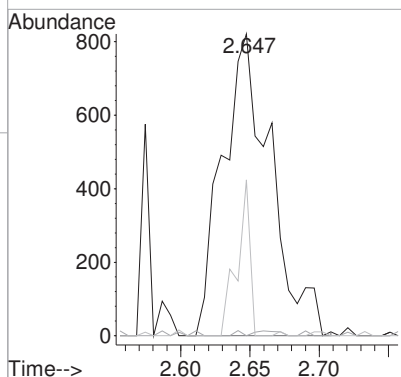
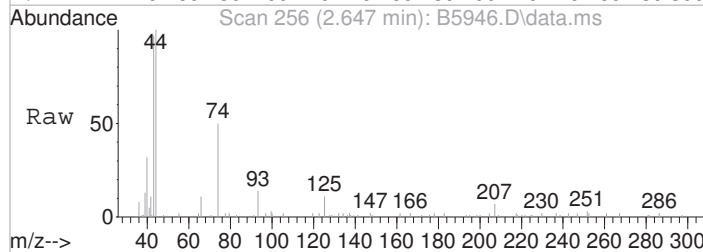
#16
 Acetone
 Concen: 2.85 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5946.D
 Acq: 20 Sep 2022 6:38 am

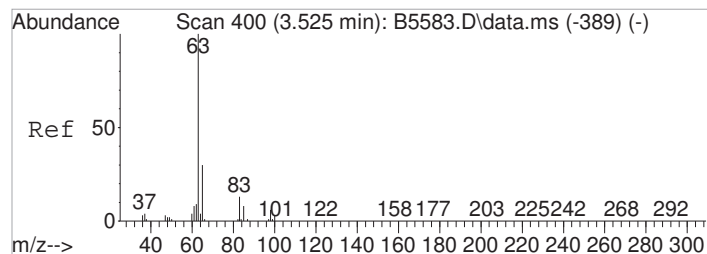
Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.9	3.7	43.7
42	7.9	0.0	28.6



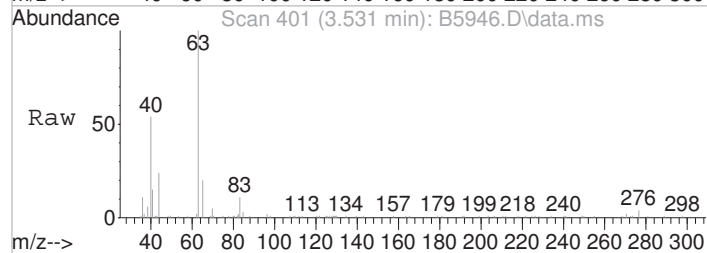
#22
 Methyl Acetate
 Concen: 0.31 ug/L m
 RT: 2.647 min Scan# 256
 Delta R.T. 0.012 min
 Lab File: B5946.D
 Acq: 20 Sep 2022 6:38 am

Tgt Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.1
74	51.6	0.0	35.3#

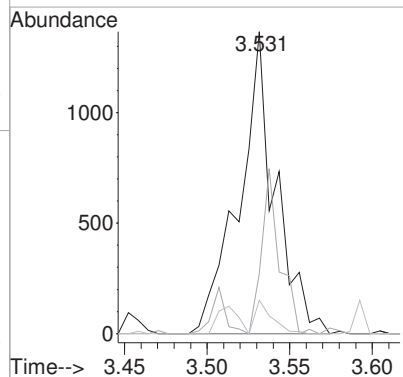
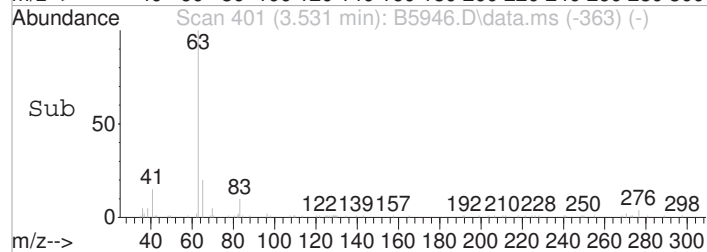




#28
 1,1-Dicloroethane
 Concen: 0.25 ug/L
 RT: 3.531 min Scan# 401
 Delta R.T. 0.006 min
 Lab File: B5946.D
 Acq: 20 Sep 2022 6:38 am



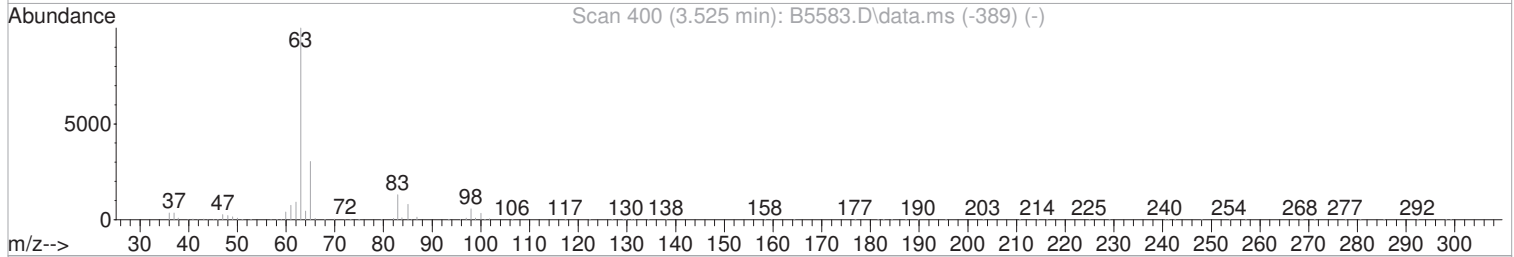
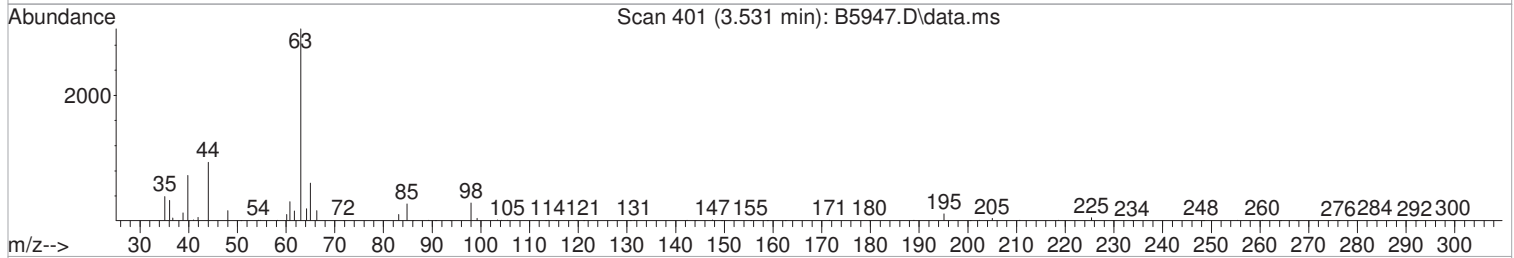
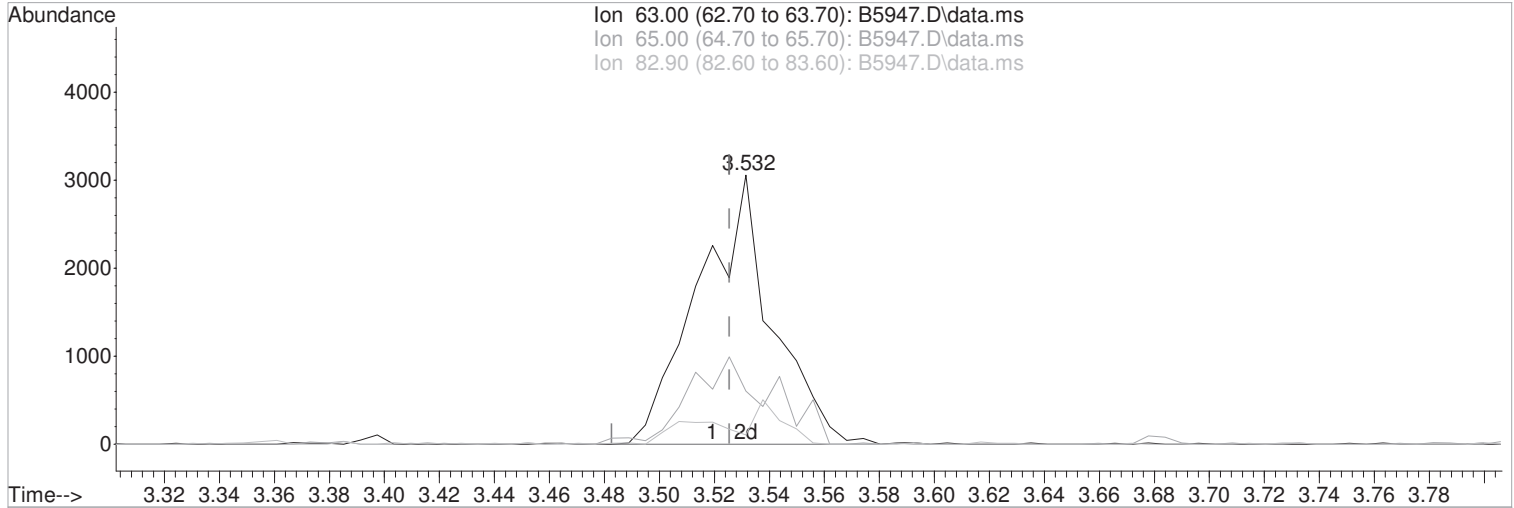
Tgt Ion: 63 Resp: 2082
 Ion Ratio Lower Upper
 63 100
 65 19.9 10.5 50.5
 83 11.1 0.0 33.0



Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5947.D
Acq On : 20 Sep 2022 7:00 am
Operator : F.NAEGLER
Sample : R2208645-008|1.0
Misc : VCG 6646 T4
ALS Vial : 55 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:07:05 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5947.D\data.ms

(28) 1,1-Dicethane (P)

3.531min (+0.006) 0.72 ug/L m

response 5678

Ion	Exp%	Act%
63.00	100	100
65.00	30.50	19.73
82.90	13.00	3.43
0.00	0.00	0.00

Manual Integration:

After

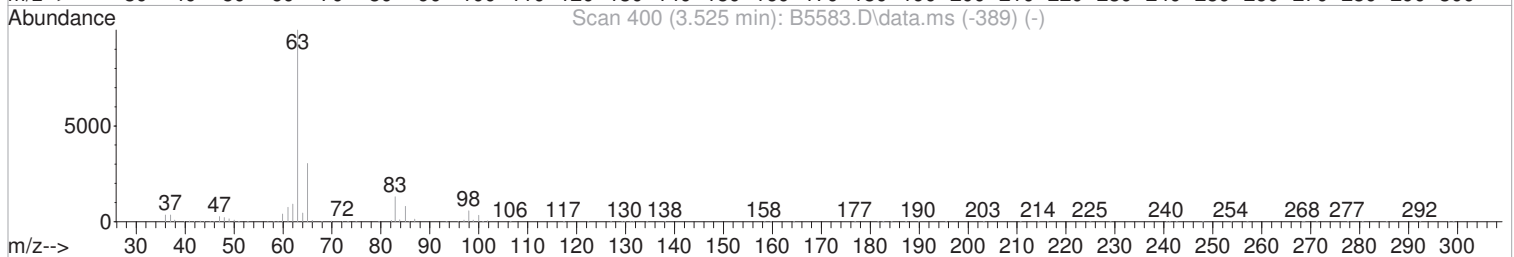
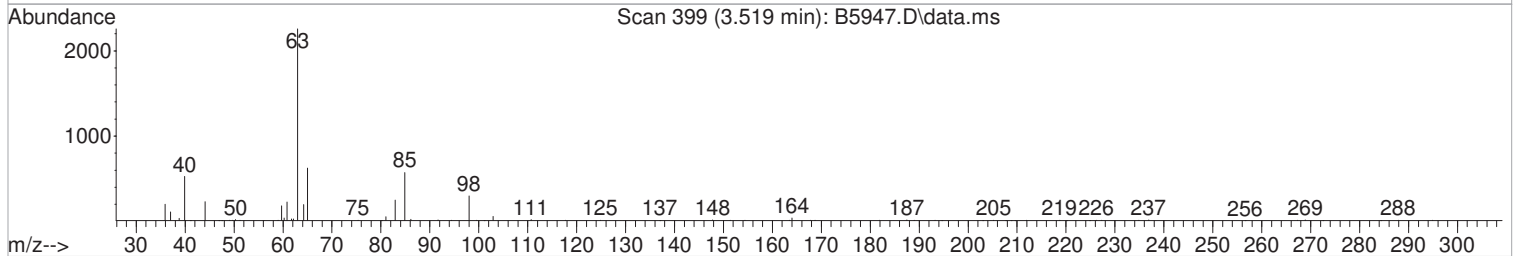
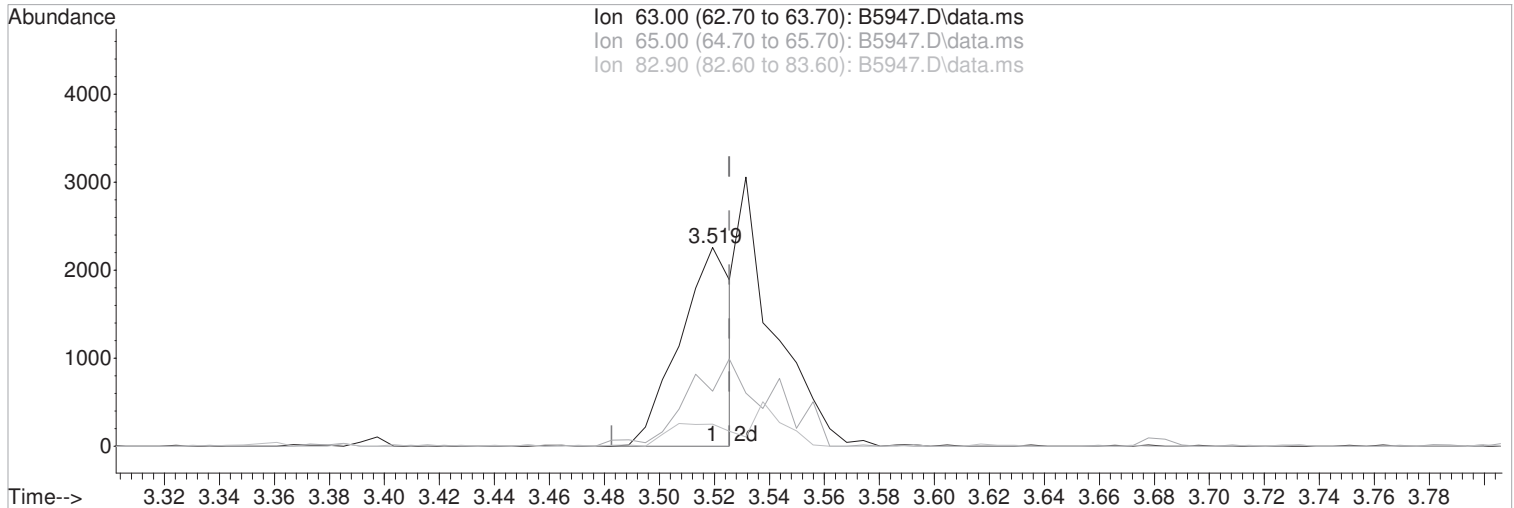
Poor integration.

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5947.D
Acq On : 20 Sep 2022 7:00 am
Operator : F.NAEGLER
Sample : R2208645-008|1.0
Misc : VCG 6646 T4
ALS Vial : 55 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 09:07:05 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5947.D\data.ms

(28) 1,1-Dicethane (P)

Manual Integration:

3.519min (-0.006) 0.37 ug/L

Before

response 2950

Ion	Exp%	Act%
63.00	100	100
65.00	30.50	27.65
82.90	13.00	11.12
0.00	0.00	0.00

09/20/22

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5947.D
 Acq On : 20 Sep 2022 7:00 am
 Operator : F.NAEGLER
 Sample : R2208645-008|1.0
 Misc : VCG 6646 T4
 ALS Vial : 55 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:38:10 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

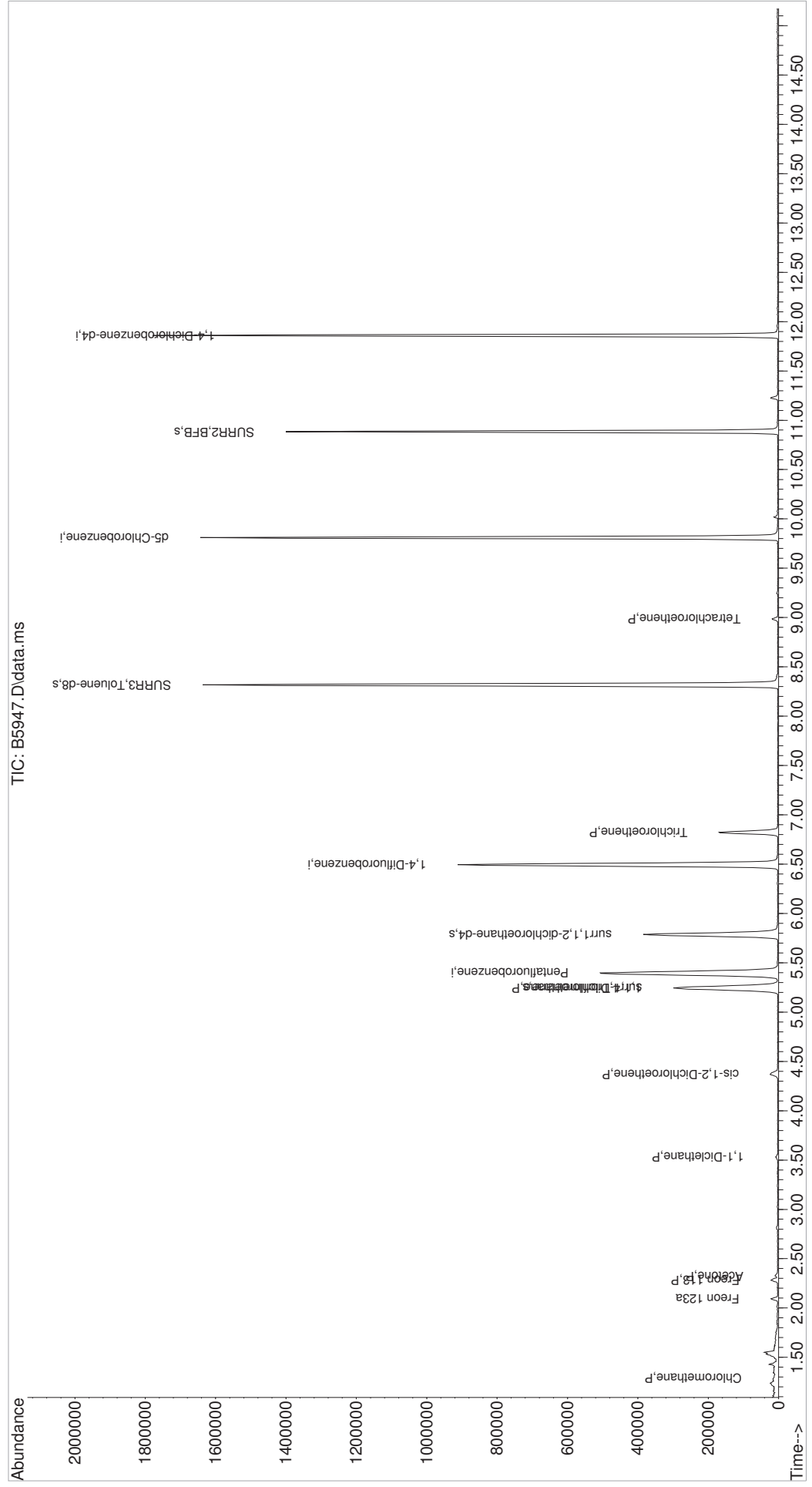
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	435135	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	759116	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	671660	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	309132	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	237346	48.89	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	97.78%	
47) surr1,1,2-dichloroetha...	5.787	65	317729	50.97	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	101.94%	
65) SURR3,Toluene-d8	8.317	98	937219	50.67	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.34%	
70) SURR2,BFB	10.884	95	338085	48.52	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	97.04%	
Target Compounds						
4) Chloromethane	1.288	50	1270	0.22	ug/L #	42
6) Bromomethane	1.550	94	957	Below Cal	#	61
11) Freon 123a	2.093	67	7209	1.35	ug/L	85
15) Freon 113	2.282	101	6468	1.54	ug/L	91
16) Acetone	2.324	43	8443	3.28	ug/L	73
28) 1,1-Dicethane	3.531	63	5678m	0.72	ug/L	
34) cis-1,2-Dichloroethene	4.367	96	12025	2.42	ug/L #	72
41) 1,1,1-Trichloroethane	5.245	97	11747	1.97	ug/L	90
54) Trichloroethene	6.824	130	56738	11.95	ug/L	97
72) Tetrachloroethene	8.988	164	2960	0.88	ug/L #	60

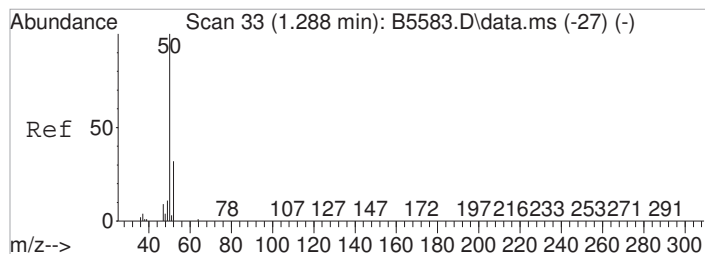
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5947.D
Acq On : 20 Sep 2022 7:00 am
Operator : F.NAEGLER
Sample : R2208645-008|1.0
Misc : VCG 6646 T4
ALS Vial : 55 Sample Multiplier: 1

Inst : MSVOA10

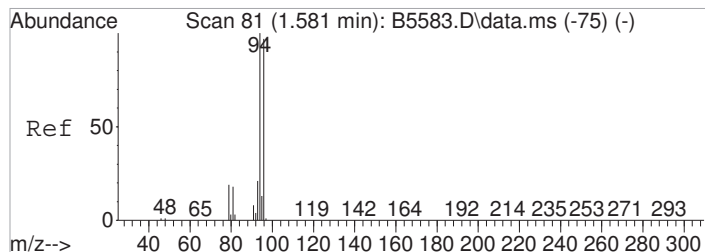
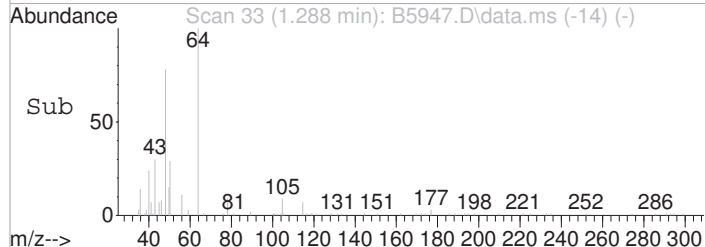
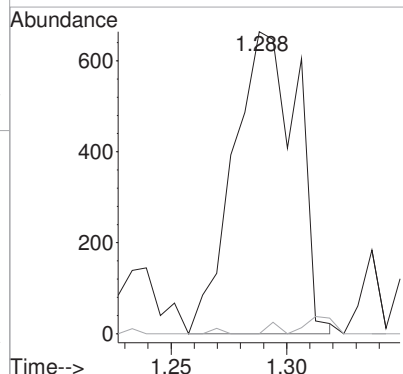
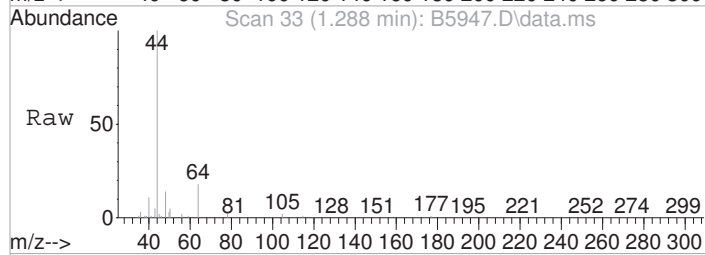
Quant Time: Sep 20 16:38:10 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration





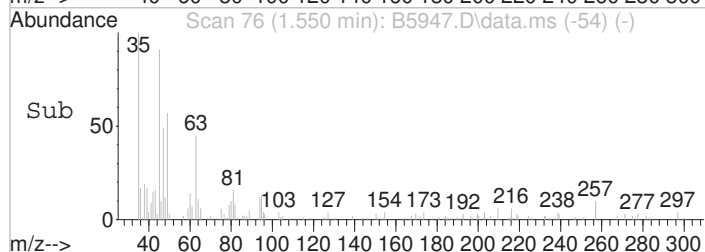
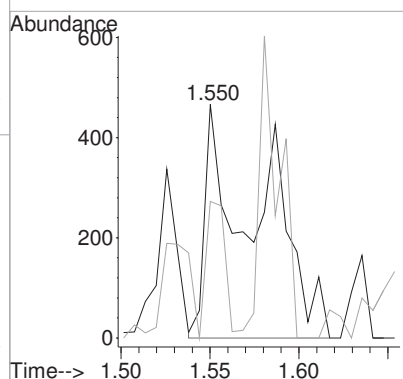
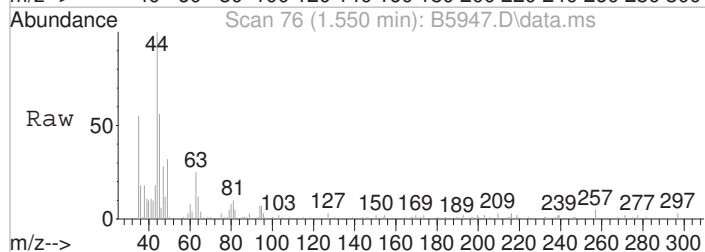
#4
 Chloromethane
 Concen: 0.22 ug/L
 RT: 1.288 min Scan# 33
 Delta R.T. -0.000 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

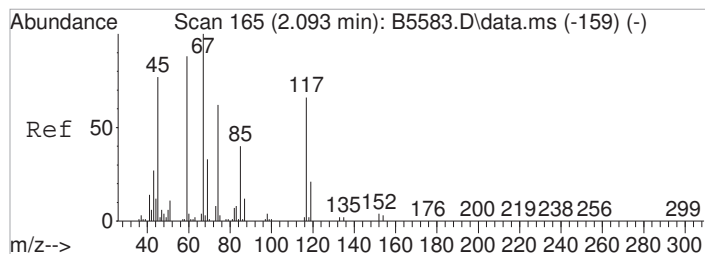
Tgt Ion: 50 Resp: 1270
 Ion Ratio Lower Upper
 50 100
 52 0.0 12.4 52.4#



#6
 Bromomethane
 Concen: Below Cal
 RT: 1.550 min Scan# 76
 Delta R.T. -0.030 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

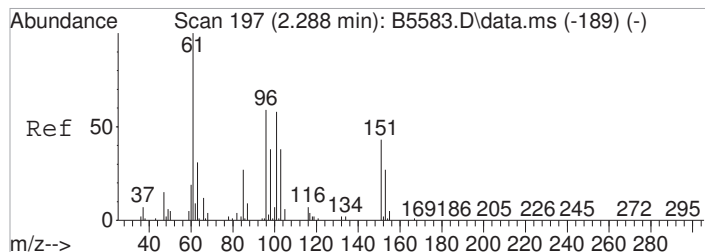
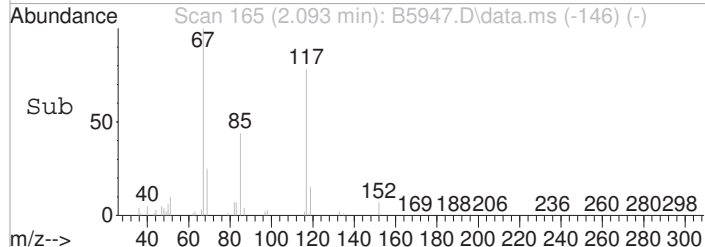
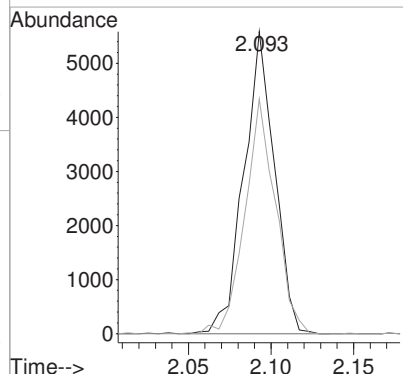
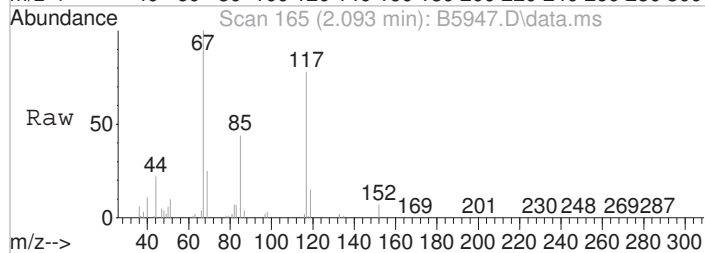
Tgt Ion: 94 Resp: 957
 Ion Ratio Lower Upper
 94 100
 96 58.6 77.0 117.0#





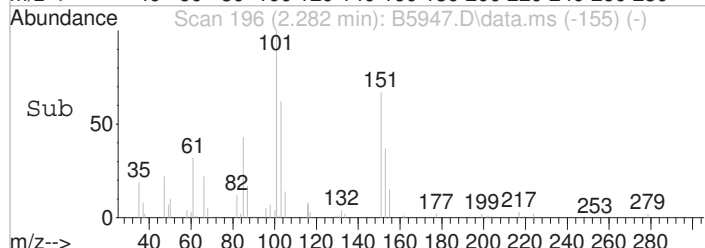
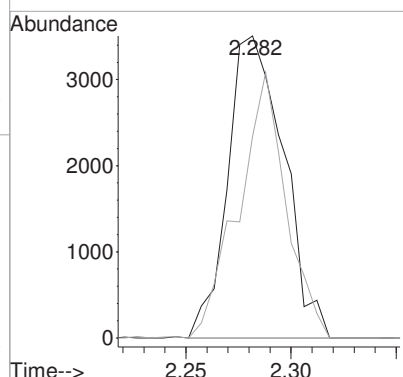
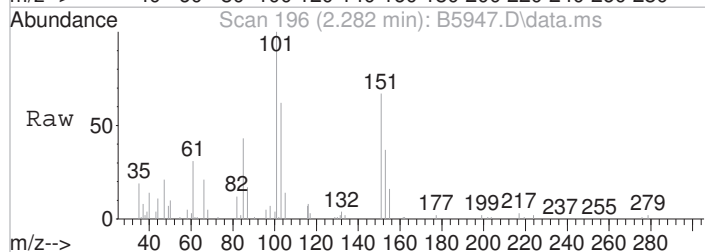
#11
 Freon 123a
 Concen: 1.35 ug/L
 RT: 2.093 min Scan# 165
 Delta R.T. -0.000 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

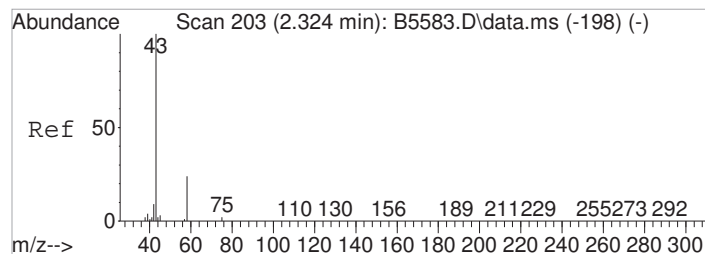
Tgt Ion: 67 Resp: 7209
 Ion Ratio Lower Upper
 67 100
 117 77.8 46.2 86.2



#15
 Freon 113
 Concen: 1.54 ug/L
 RT: 2.282 min Scan# 196
 Delta R.T. -0.006 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

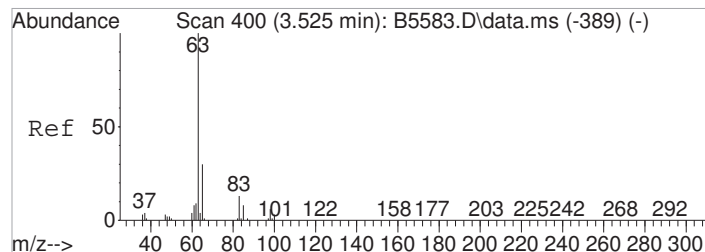
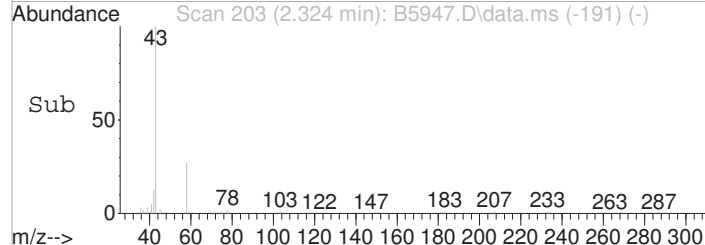
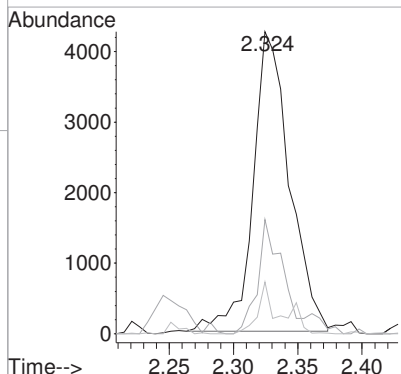
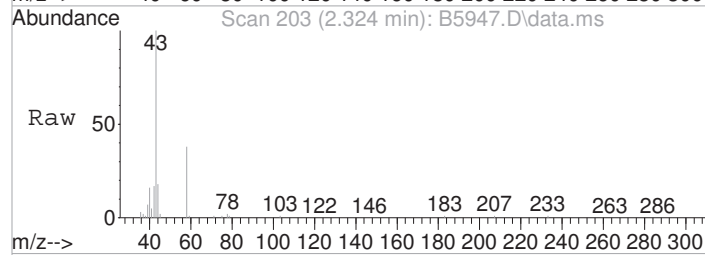
Tgt Ion: 101 Resp: 6468
 Ion Ratio Lower Upper
 101 100
 151 66.7 54.0 94.0





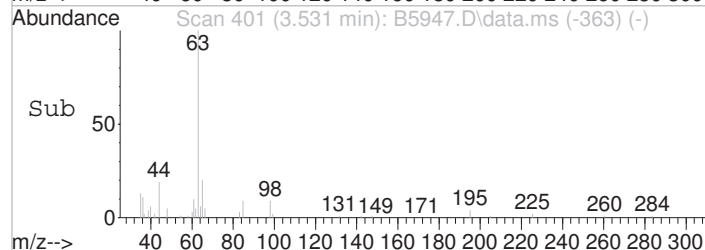
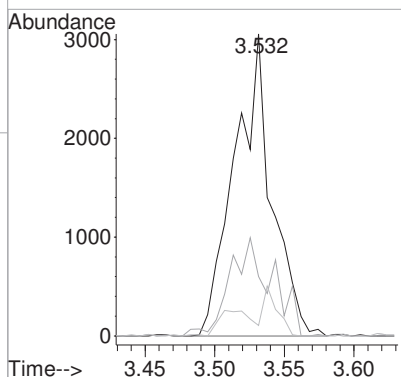
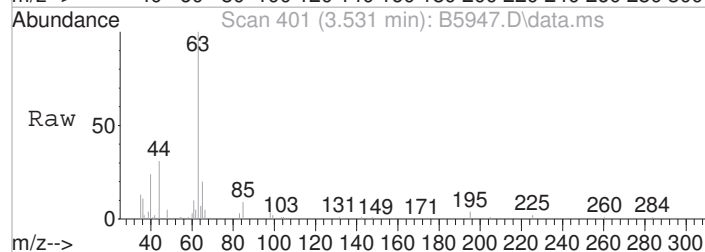
#16
 Acetone
 Concen: 3.28 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

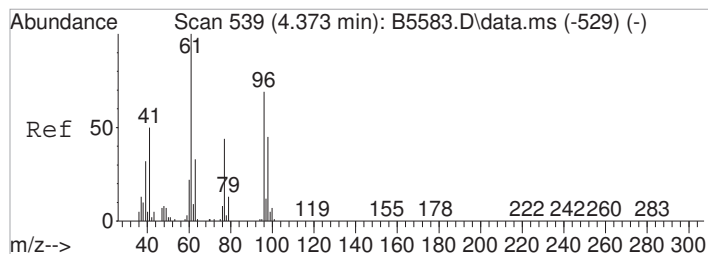
Tgt Ion:	43	Resp:	8443
Ion Ratio	Lower	Upper	
43	100		
58	37.8	3.7	43.7
42	17.1	0.0	28.6



#28
 1,1-Dicethane
 Concen: 0.72 ug/L m
 RT: 3.531 min Scan# 401
 Delta R.T. 0.006 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

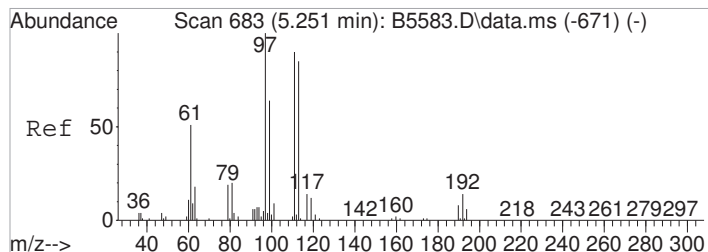
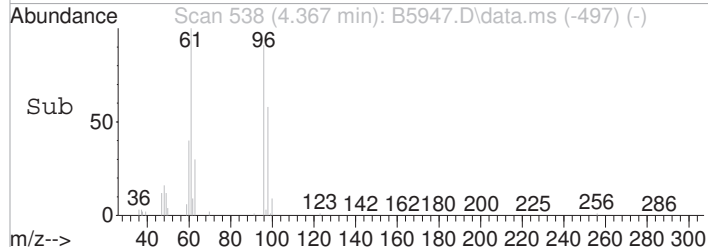
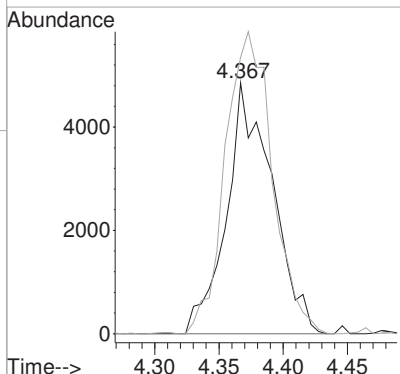
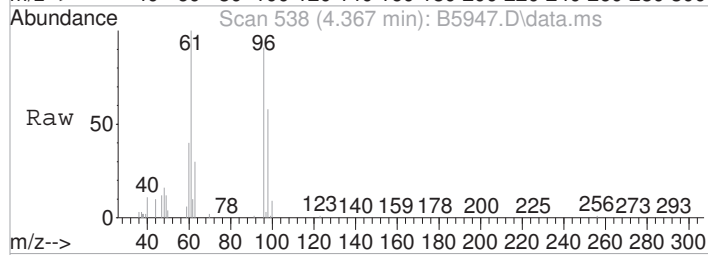
Tgt Ion:	63	Resp:	5678
Ion Ratio	Lower	Upper	
63	100		
65	19.7	10.5	50.5
83	3.4	0.0	33.0





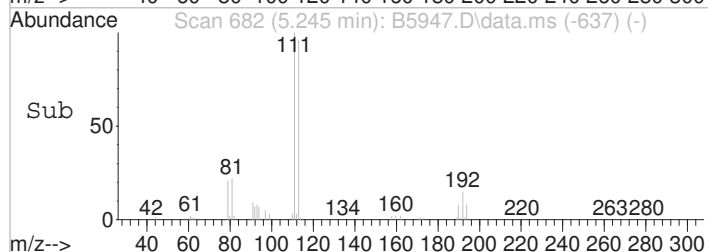
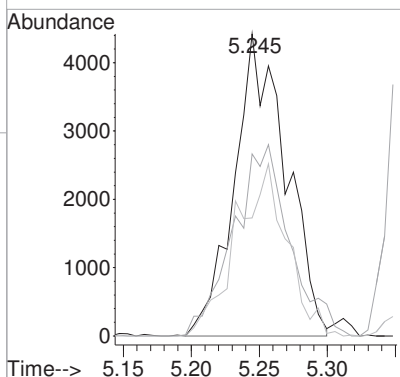
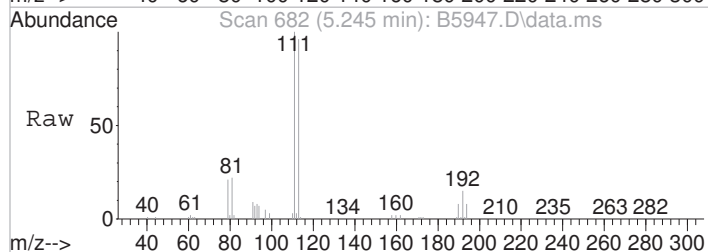
#34
 cis-1,2-Dichloroethene
 Concen: 2.42 ug/L
 RT: 4.367 min Scan# 538
 Delta R.T. -0.006 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

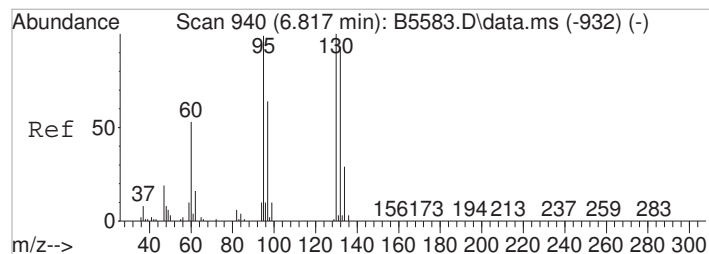
Tgt Ion	96	Resp	12025
Ion Ratio	Lower	Upper	
96	100		
61	110.3	124.4	164.4#



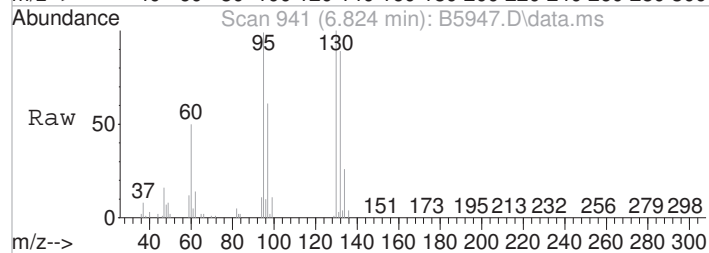
#41
 1,1,1-Trichloroethane
 Concen: 1.97 ug/L
 RT: 5.245 min Scan# 682
 Delta R.T. -0.006 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am

Tgt Ion	97	Resp	11747
Ion Ratio	Lower	Upper	
97	100		
99	60.3	44.2	84.2
61	39.1	31.1	71.1

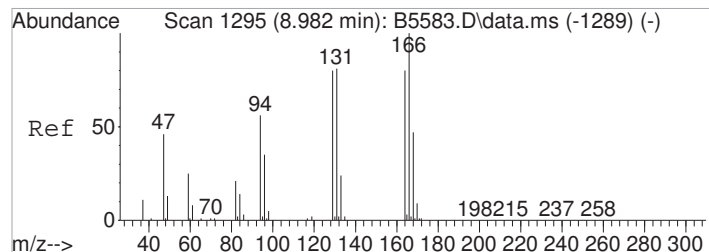
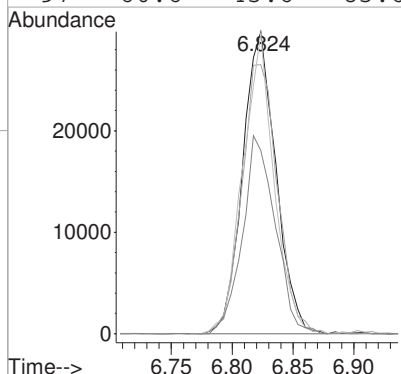
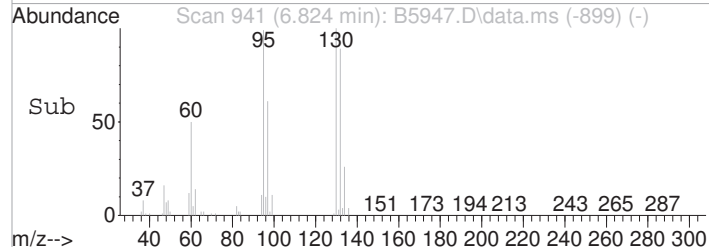




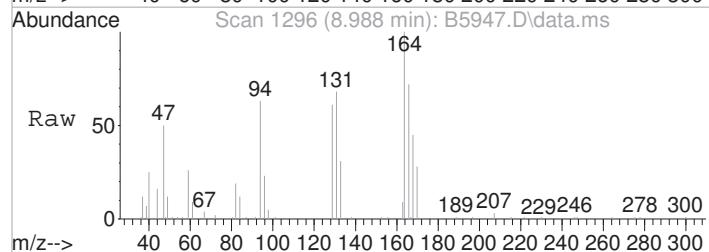
#54
 Trichloroethene
 Concen: 11.95 ug/L
 RT: 6.824 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am



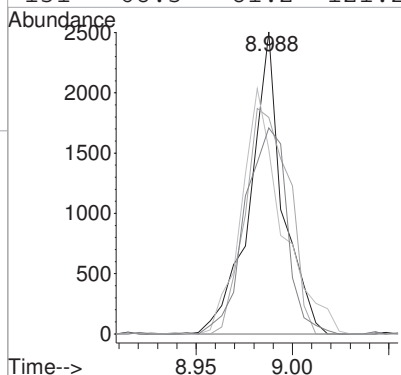
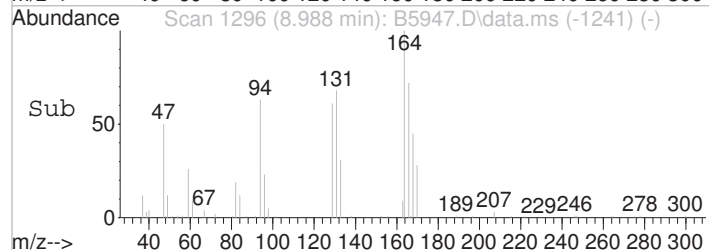
Tgt Ion:130	Resp:	56738
Ion Ratio	Lower	Upper
130	100	
132	89.1	73.4 113.4
95	99.3	78.6 118.6
97	60.6	43.6 83.6



#72
 Tetrachloroethene
 Concen: 0.88 ug/L
 RT: 8.988 min Scan# 1296
 Delta R.T. 0.006 min
 Lab File: B5947.D
 Acq: 20 Sep 2022 7:00 am



Tgt Ion:164	Resp:	2960
Ion Ratio	Lower	Upper
164	100	
166	71.7	105.4 145.4#
129	61.1	80.2 120.2#
131	68.3	81.2 121.2#



Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5943.D
 Acq On : 20 Sep 2022 5:32 am
 Operator : F.NAEGLER
 Sample : R2208645-012|1.0
 Misc : VCG 6646 T4
 ALS Vial : 51 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:31:51 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

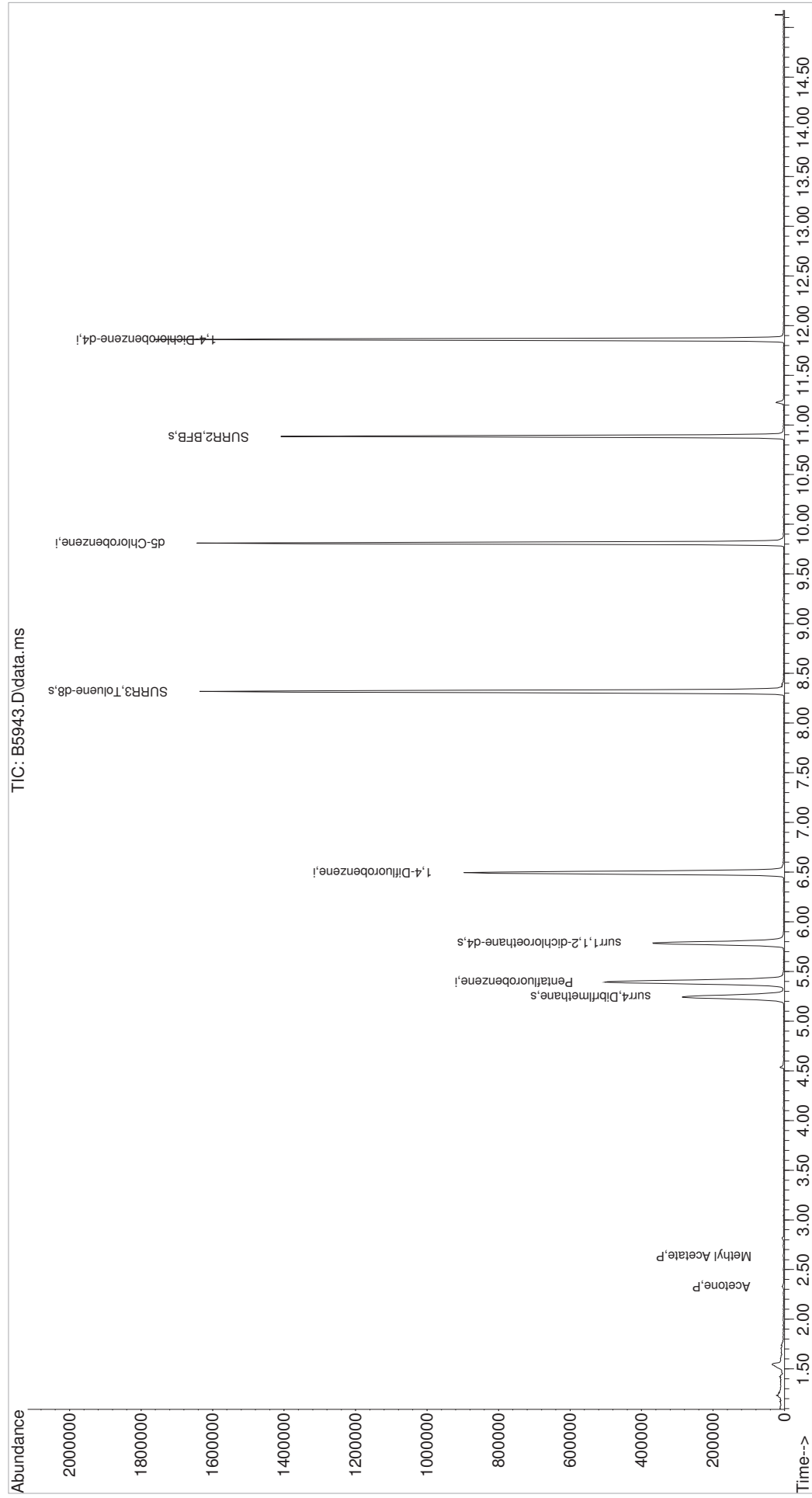
Internal Standards						
1) Pentafluorobenzene	5.391	168	441884	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	745533	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	670287	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	306631	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	246486	51.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	103.40%
47) surr1,1,2-dichloroetha...	5.787	65	316472	51.70	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	103.40%
65) SURR3,Toluene-d8	8.317	98	938796	51.68	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	103.36%
70) SURR2,BFB	10.884	95	340761	49.80	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	99.60%
Target Compounds						
6) Bromomethane	1.587	94	599	Below Cal		Qvalue 90
16) Acetone	2.330	43	3789	1.45 ug/L		90
22) Methyl Acetate	2.635	43	1283	0.20 ug/L		83

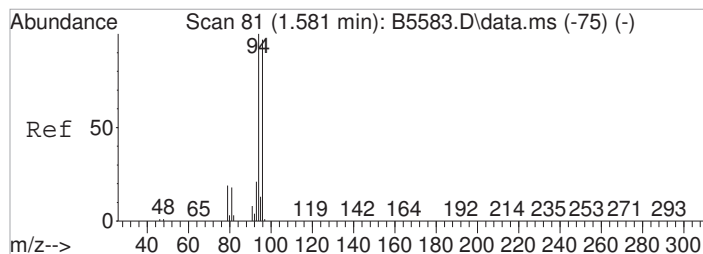
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5943.D
 Acq On : 20 Sep 2022 5:32 am
 Operator : F.NAEGLER
 Sample : R2208645-012|1.0
 Misc : VCG 6646 T4
 ALS Vial : 51 Sample Multiplier: 1

Inst : MSVOA10

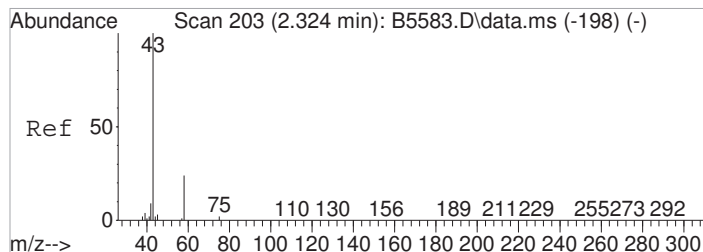
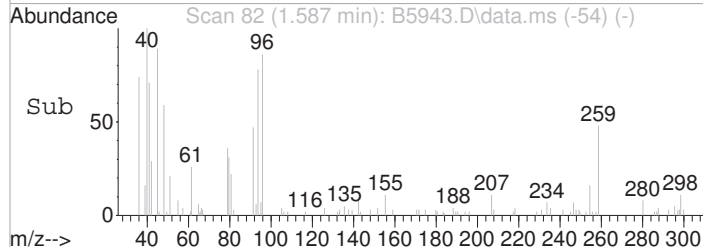
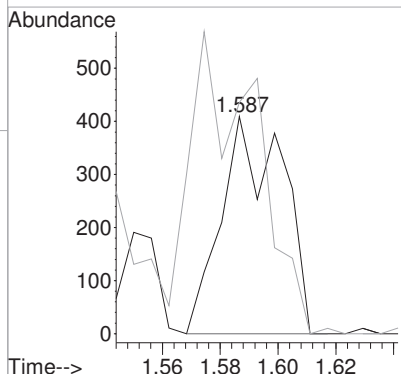
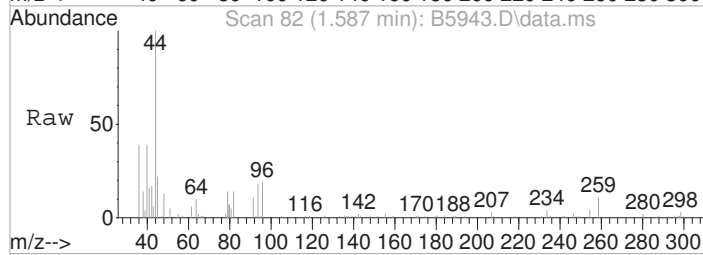
Quant Time: Sep 20 16:31:51 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





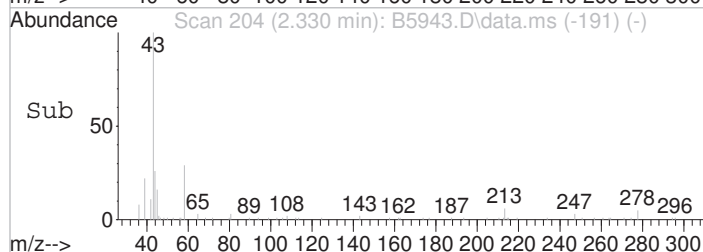
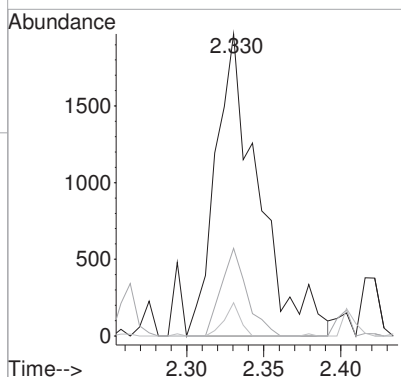
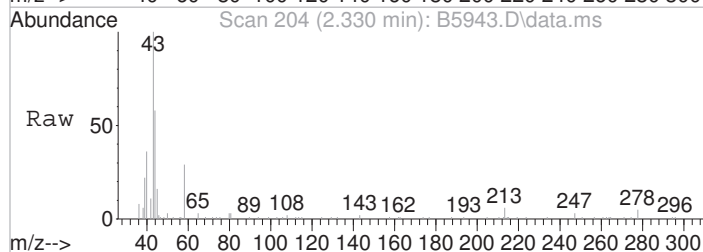
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: B5943.D
 Acq: 20 Sep 2022 5:32 am

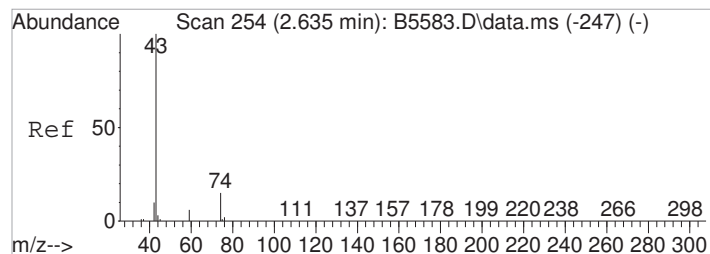
Tgt Ion: 94 Resp: 599
 Ion Ratio Lower Upper
 94 100
 96 106.6 77.0 117.0



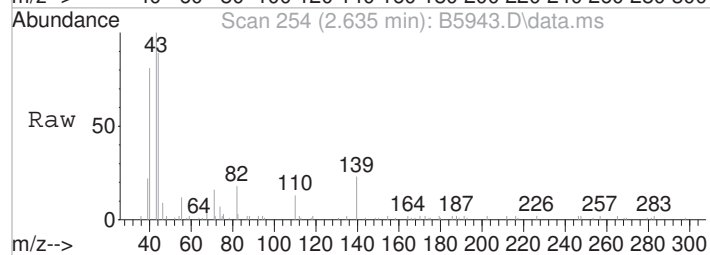
#16
 Acetone
 Concen: 1.45 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5943.D
 Acq: 20 Sep 2022 5:32 am

Tgt Ion: 43 Resp: 3789
 Ion Ratio Lower Upper
 43 100
 58 29.0 3.7 43.7
 42 11.0 0.0 28.6

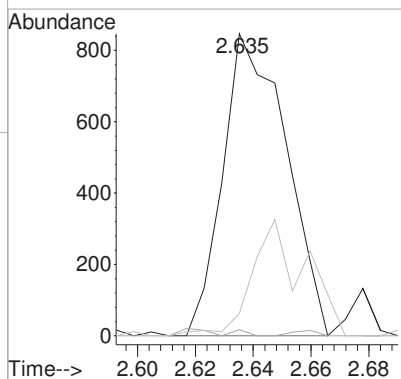
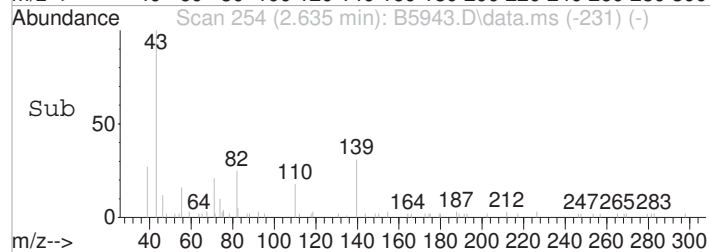




#22
 Methyl Acetate
 Concen: 0.20 ug/L
 RT: 2.635 min Scan# 254
 Delta R.T. 0.000 min
 Lab File: B5943.D
 Acq: 20 Sep 2022 5:32 am



Tgt Ion	Ratio	Lower	Upper
43	100		
59	2.0	0.0	26.1
74	7.4	0.0	35.3



Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5927.D
 Acq On : 19 Sep 2022 11:43 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 15:55:15 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

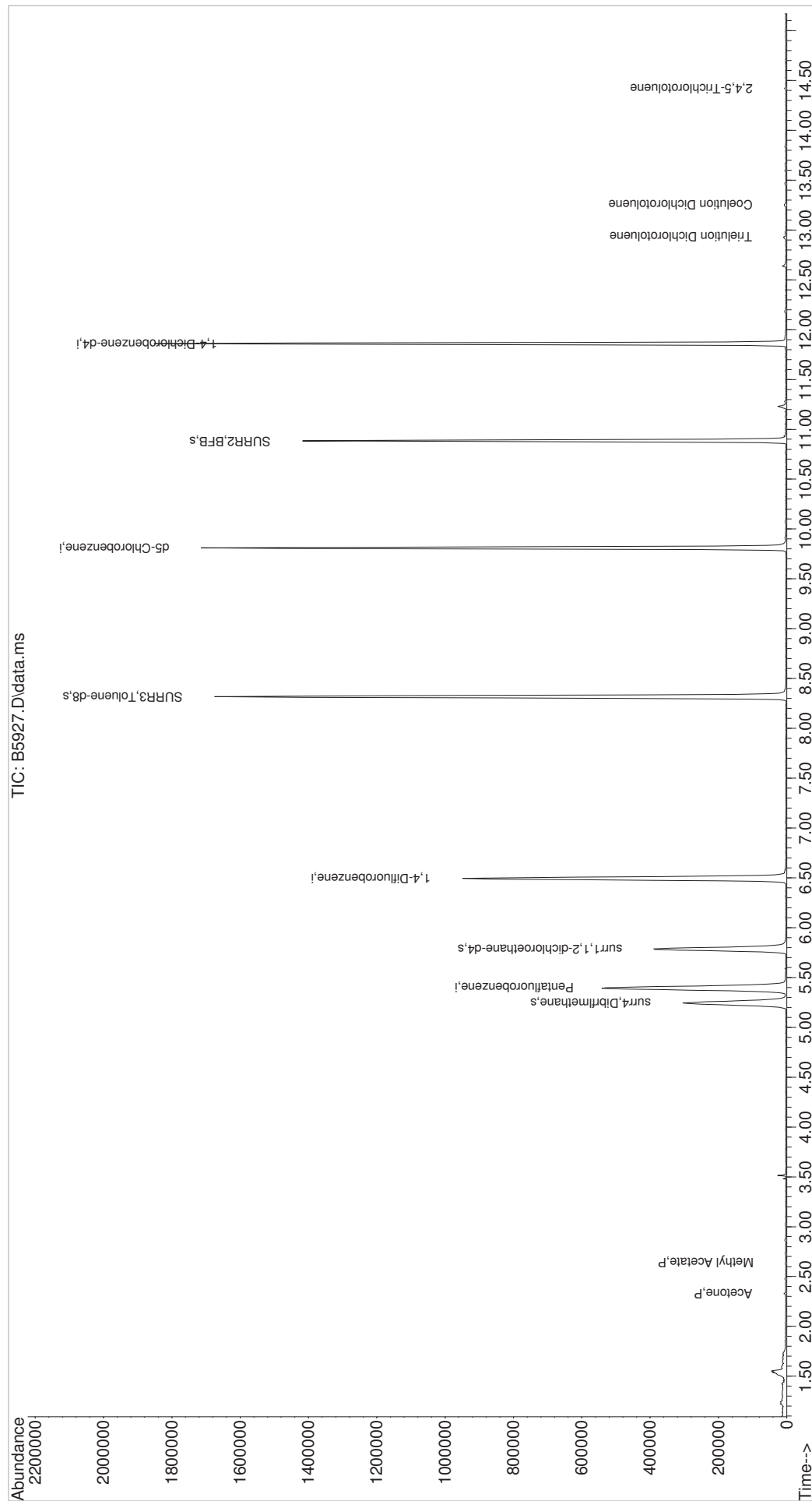
Internal Standards						
1) Pentafluorobenzene	5.397	168	473929	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	789434	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	703774	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	327709	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	252330	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	99.96%
47) surr1,1,2-dichloroetha...	5.787	65	338678	52.25	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	104.50%
65) SURR3,Toluene-d8	8.317	98	969999	50.43	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	100.86%
70) SURR2,BFB	10.884	95	348673	48.12	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	96.24%
Target Compounds						
6) Bromomethane	1.587	94	623	Below Cal		86
16) Acetone	2.331	43	2598	0.93 ug/L		78
22) Methyl Acetate	2.641	43	1436	0.21 ug/L		90
112) Trielution Dichlorotol...	12.932	125	3204	0.39 ug/L #		64
114) Coelution Dichlorotoluene	13.255	125	2030	0.23 ug/L #		80
119) 2,4,5-Trichlorotoluene	14.420	159	701	0.88 ug/L #		4

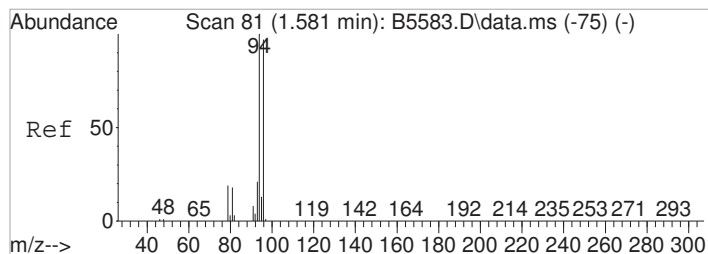
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5927.D
 Acq On : 19 Sep 2022 11:43 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Inst : MSVOA10

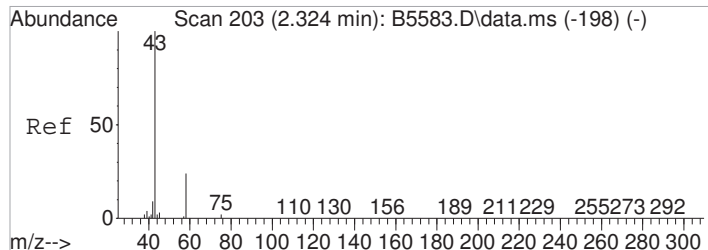
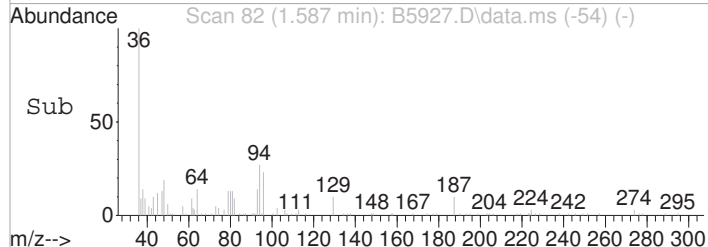
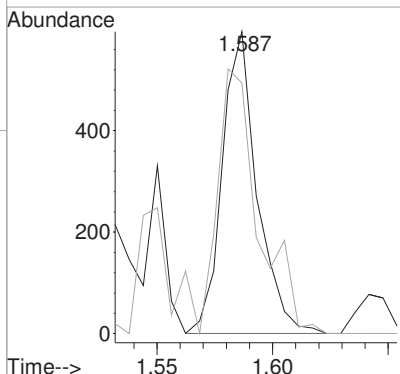
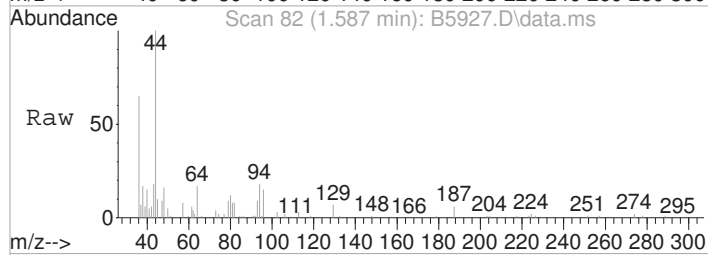
Quant Time: Sep 20 15:55:15 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





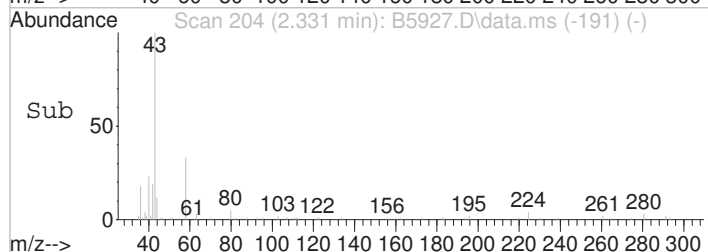
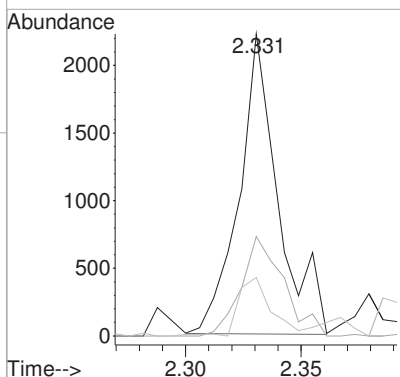
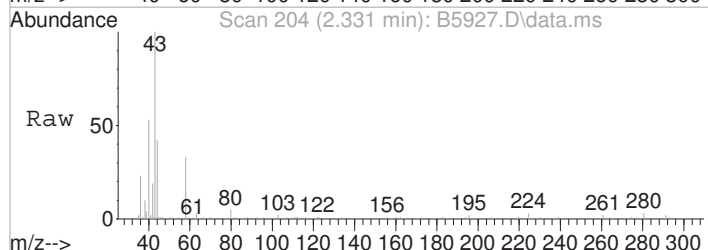
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: B5927.D
 Acq: 19 Sep 2022 11:43 pm

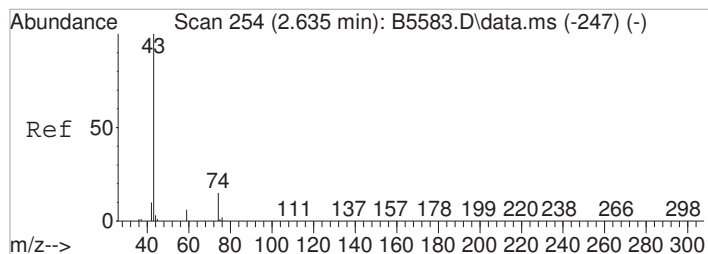
Tgt Ion: 94 Resp: 623
 Ion Ratio Lower Upper
 94 100
 96 83.0 77.0 117.0



#16
 Acetone
 Concen: 0.93 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5927.D
 Acq: 19 Sep 2022 11:43 pm

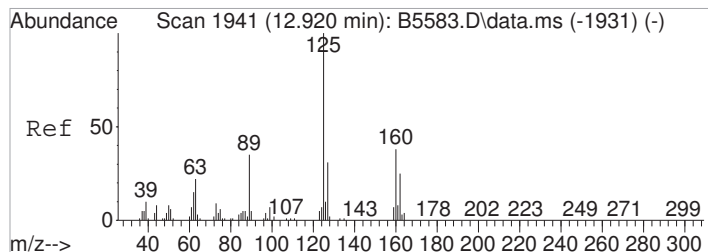
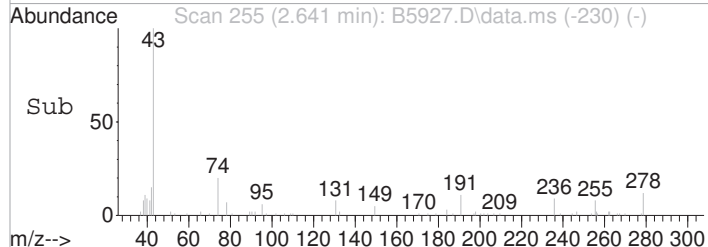
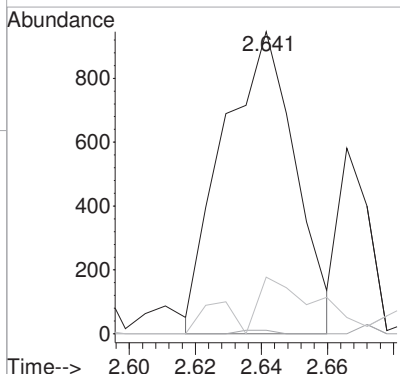
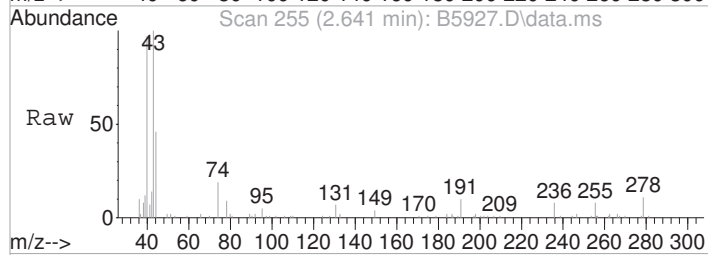
Tgt Ion: 43 Resp: 2598
 Ion Ratio Lower Upper
 43 100
 58 33.0 3.7 43.7
 42 19.4 0.0 28.6





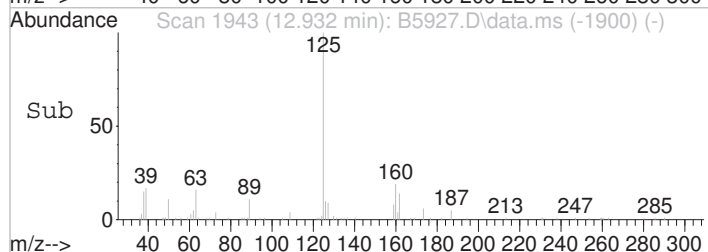
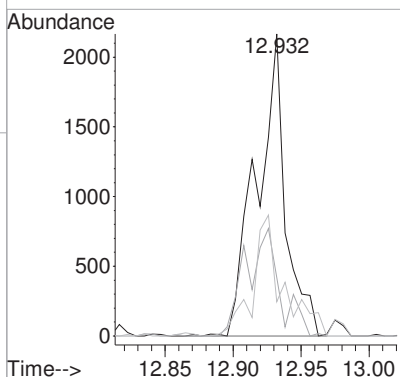
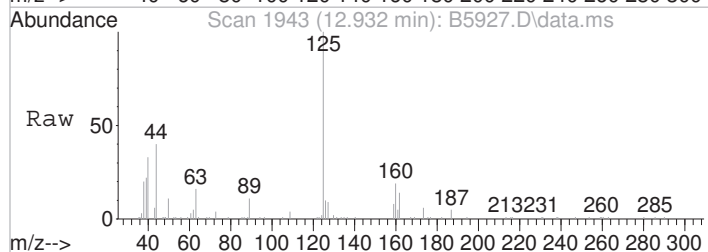
#22
 Methyl Acetate
 Concen: 0.21 ug/L
 RT: 2.641 min Scan# 255
 Delta R.T. 0.006 min
 Lab File: B5927.D
 Acq: 19 Sep 2022 11:43 pm

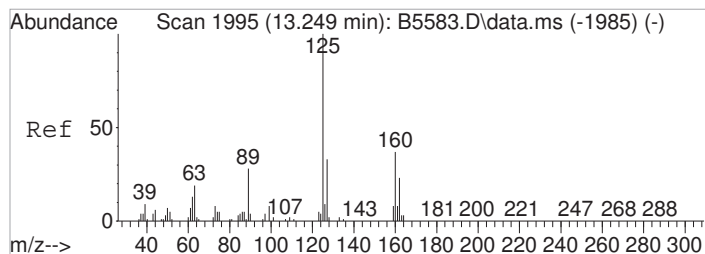
Tgt Ion	Ratio	Lower	Upper
43	100		
59	1.2	0.0	26.1
74	18.7	0.0	35.3



#112
 Trilution Dichlorotoluene
 Concen: 0.39 ug/L
 RT: 12.932 min Scan# 1943
 Delta R.T. 0.012 min
 Lab File: B5927.D
 Acq: 19 Sep 2022 11:43 pm

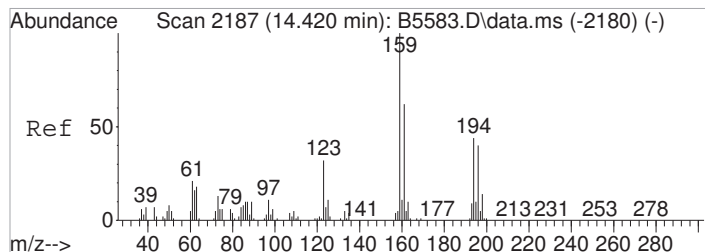
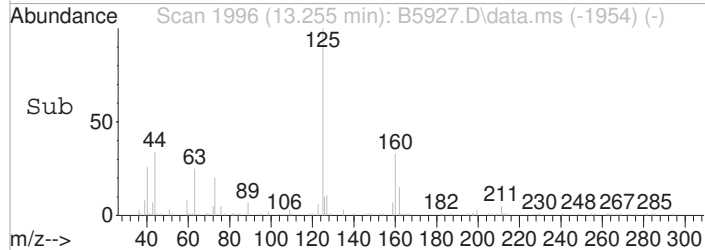
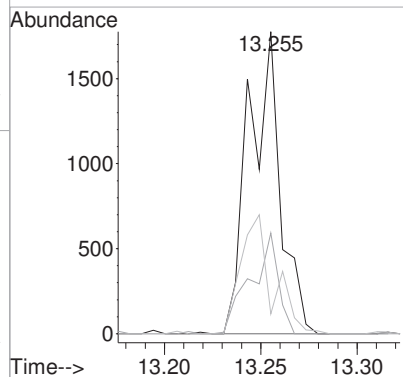
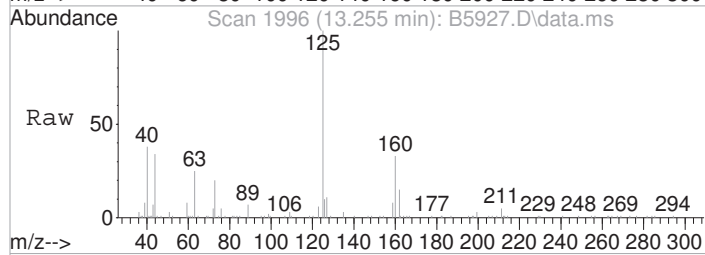
Tgt Ion	Ratio	Lower	Upper
125	100		
160	19.3	18.2	58.2
89	11.4	14.7	54.7#





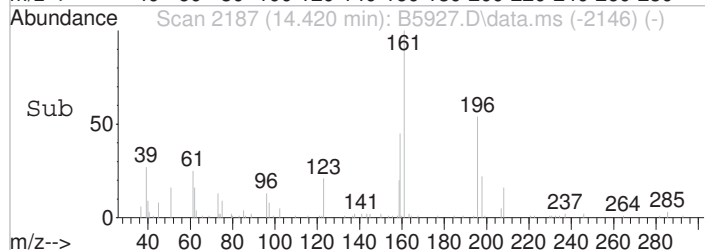
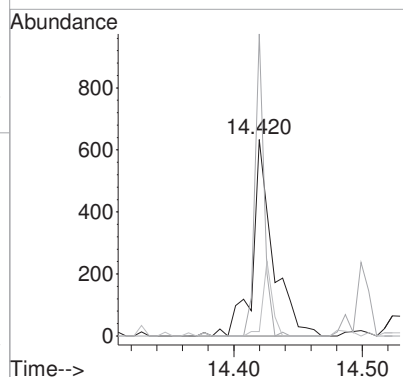
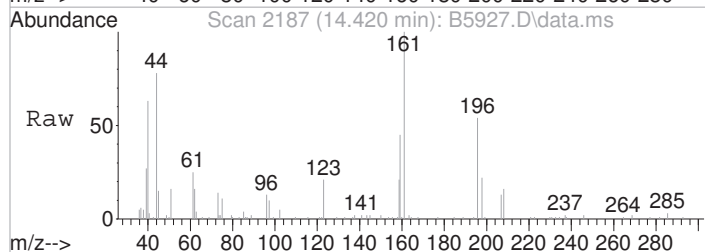
#114
 Coelution Dichlorotoluene
 Concen: 0.23 ug/L
 RT: 13.255 min Scan# 1996
 Delta R.T. 0.006 min
 Lab File: B5927.D
 Acq: 19 Sep 2022 11:43 pm

Tgt Ion:	125	Resp:	2030
Ion Ratio	Lower	Upper	
125	100		
160	33.3	16.6	56.6
89	6.5	7.6	47.6#



#119
 2,4,5-Trichlorotoluene
 Concen: 0.88 ug/L
 RT: 14.420 min Scan# 2187
 Delta R.T. 0.001 min
 Lab File: B5927.D
 Acq: 19 Sep 2022 11:43 pm

Tgt Ion:	159	Resp:	701
Ion Ratio	Lower	Upper	
159	100		
161	153.6	42.3	82.3#
194	2.2	24.1	64.1#



Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5924.D
 Acq On : 19 Sep 2022 10:38 pm
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 08:45:05 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	487045	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	821198	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	744791	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	367058	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	269405	51.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	102.60%
47) surr1,1,2-dichloroetha...	5.787	65	347382	51.52	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	103.04%
65) SURR3,Toluene-d8	8.317	98	1032038	51.58	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	103.16%
70) SURR2,BFB	10.884	95	380644	50.50	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	101.00%

Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.148	85	107640	18.07	ug/L	99
4) Chloromethane	1.282	50	139136	21.36	ug/L	95
5) Vinyl Chloride	1.355	62	109519	17.80	ug/L	92
6) Bromomethane	1.581	94	72987	19.63	ug/L	97
7) Chloroethane	1.660	64	70995	17.24	ug/L	95
8) Freon 21	1.806	67	179061	18.55	ug/L	98
9) Trichlorofluoromethane	1.855	101	159761	20.23	ug/L	97
10) Diethyl Ether	2.087	59	99618	21.11	ug/L	96
11) Freon 123a	2.093	67	119377	20.04	ug/L	100
12) Freon 123	2.141	83	136191	20.87	ug/L	97
13) Acrolein	2.190	56	32363	25.89	ug/L	93
14) 1,1-Dicethene	2.282	96	89582	20.72	ug/L	97
15) Freon 113	2.282	101	90424	19.25	ug/L	89
16) Acetone	2.324	43	63770	22.15	ug/L	98
17) 2-Propanol	2.458	45	207241	398.81	ug/L	99
18) Iodomethane	2.416	142	122746	18.70	ug/L	97
19) Carbon Disulfide	2.477	76	220462	17.42	ug/L	98
20) Acetonitrile	2.580	41	126802	109.76	ug/L	96
21) Allyl Chloride	2.617	76	48955	21.26	ug/L #	91
22) Methyl Acetate	2.635	43	130810	18.76	ug/L	99
23) Methylene Chloride	2.733	84	104632	19.28	ug/L	94
24) TBA	2.861	59	266030	393.65	ug/L	90
25) Acrylonitrile	2.989	53	295092	105.52	ug/L	100
26) Methyl-t-Butyl Ether	3.032	73	313132	21.05	ug/L	97
27) trans-1,2-Dichloroethene	3.025	96	95184	20.01	ug/L	95
28) 1,1-Dicethane	3.531	63	195304	22.03	ug/L	97
29) Vinyl Acetate	3.623	86	13870	15.72	ug/L #	58
30) DIPE	3.653	45	420626	21.71	ug/L	98
31) 2-Chloro-1,3-Butadiene	3.653	53	147018	17.51	ug/L	92
32) ETBE	4.184	59	265502	19.57	ug/L	96
33) 2,2-Dichloropropane	4.367	77	90329	19.44	ug/L	88
34) cis-1,2-Dichloroethene	4.373	96	110041	19.82	ug/L	90
35) 2-Butanone	4.415	43	93609	19.43	ug/L	98
36) Propionitrile	4.501	54	123458	113.74	ug/L	94
37) Bromochloromethane	4.763	130	76276	20.84	ug/L	91
38) Methacrylonitrile	4.769	67	54584	20.50	ug/L #	86
39) Tetrahydrofuran	4.860	42	58717	20.09	ug/L	94
40) Chloroform	4.946	83	190118	20.75	ug/L	90
41) 1,1,1-Trichloroethane	5.251	97	142426	21.32	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\091922\

Data File : B5924.D

Acq On : 19 Sep 2022 10:38 pm

Operator : F.NAEGLER

Sample : LCS-FP

Misc :

Inst : MSVOA10

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 20 08:45:05 2022

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M

Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

QLast Update : Thu Sep 08 14:38:30 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
43) Cyclohexane	5.342	41	131506	20.39	ug/L	98
45) Carbontetrachloride	5.531	117	109412	19.99	ug/L	93
46) 1,1-Dichloropropene	5.543	75	124167	19.44	ug/L	98
48) Benzene	5.866	78	404389	20.97	ug/L	95
49) 1,2-Dichloroethane	5.903	62	166038	21.05	ug/L	97
50) Iso-Butyl Alcohol	5.879	43	148031	387.13	ug/L	94
51) TAME	6.104	73	242081	19.94	ug/L	94
52) n-Heptane	6.360	43	133442	19.19	ug/L	96
53) 1-Butanol	6.854	56	168731	956.33	ug/L	89
54) Trichloroethene	6.824	130	104600	20.37	ug/L	94
55) Methylcyclohexane	7.061	55	139809	22.03	ug/L	97
56) 1,2-Diclpropane	7.104	63	108179	21.05	ug/L	96
57) Dibromomethane	7.244	93	76130	20.25	ug/L	95
58) 1,4-Dioxane	7.305	88	41219	398.12	ug/L	96
59) Methyl Methacrylate	7.336	69	83591	21.15	ug/L	95
60) Bromodichloromethane	7.476	83	132402	20.13	ug/L	99
61) 2-Nitropropane	7.756	41	59698	36.00	ug/L	93
63) cis-1,3-Dichloropropene	8.018	75	134401	20.66	ug/L	98
64) 4-Methyl-2-pentanone	8.226	43	168610	19.74	ug/L	99
66) Toluene	8.390	91	447225	20.79	ug/L	98
67) trans-1,3-Dichloropropene	8.659	75	114198	23.62	ug/L	98
68) Ethyl Methacrylate	8.799	69	141144	21.34	ug/L	98
69) 1,1,2-Trichloroethane	8.848	97	98144	19.78	ug/L	97
72) Tetrachloroethene	8.982	164	74179	19.80	ug/L	96
73) 2-Hexanone	9.140	43	121672	19.62	ug/L	95
74) 1,3-Dichloropropane	9.018	76	171365	20.13	ug/L	93
75) Dibromochloromethane	9.244	129	99609	19.48	ug/L	98
76) N-Butyl Acetate	9.299	43	219496	18.43	ug/L	96
77) 1,2-Dibromoethane	9.341	107	106412	21.60	ug/L	96
78) 3-Chlorobenzotrifluoride	9.853	180	129090	18.94	ug/L	99
79) Chlorobenzene	9.835	112	282775	20.56	ug/L	97
80) 4-Chlorobenzotrifluoride	9.908	180	112874	18.54	ug/L	97
81) 1,1,1,2-Tetrachloroethane	9.927	131	85872	19.78	ug/L	98
82) Ethylbenzene	9.957	106	153255	21.21	ug/L	93
83) (m+p)Xylene	10.067	106	373678	41.59	ug/L	96
84) o-Xylene	10.426	106	185829	21.02	ug/L	99
85) Styrene	10.439	104	328427	22.45	ug/L	98
86) Bromoform	10.591	173	58309	22.08	ug/L	93
87) 2-Chlorobenzotrifluoride	10.670	180	125964	18.37	ug/L	95
88) Isopropylbenzene	10.762	105	467711	22.16	ug/L	96
89) Cyclohexanone	10.823	55	98087	109.28	ug/L	95
90) trans-1,4-Dichloro-2-B...	11.067	53	29062	21.64	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.018	83	146003	20.67	ug/L	99
93) Bromobenzene	11.006	156	118900	19.64	ug/L	96
94) 1,2,3-Trichloropropane	11.048	110	46276	20.26	ug/L	96
95) n-Propylbenzene	11.115	91	563064	21.69	ug/L	98
96) 2-Chlorotoluene	11.176	91	334222	20.92	ug/L	92
97) 3-Chlorotoluene	11.231	91	343545	20.83	ug/L	99
98) 4-Chlorotoluene	11.274	91	387385	21.16	ug/L	98
99) 1,3,5-Trimethylbenzene	11.268	105	402015	21.09	ug/L	97
100) tert-Butylbenzene	11.542	119	338660	21.84	ug/L	95
101) 1,2,4-Trimethylbenzene	11.579	105	399109	21.58	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.640	214	88023	17.12	ug/L	95
103) sec-Butylbenzene	11.725	105	482460	21.78	ug/L	98
104) p-Isopropyltoluene	11.847	119	409498	21.87	ug/L	98
105) 1,3-Dclbenz	11.804	146	230935	21.81	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5924.D
 Acq On : 19 Sep 2022 10:38 pm
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 08:45:05 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
106)	1,4-Dclbenz	11.877	146	234829	20.27	ug/L	97
107)	2,4-Dichlorobenzotrifl...	11.932	214	78730	17.07	ug/L	97
108)	2,5-Dichlorobenzotrifl...	11.969	214	97529	18.96	ug/L	95
109)	n-Butylbenzene	12.176	91	348973	21.24	ug/L	99
110)	1,2-Dclbenz	12.182	146	229938	20.86	ug/L	99
111)	1,2-Dibromo-3-chloropr...	12.804	157	24762	19.07	ug/L	90
112)	Trielution Dichlorotol...	12.920	125	552647	60.15	ug/L	99
113)	1,3,5-Trichlorobenzene	12.975	180	145065	19.28	ug/L	99
114)	Coelution Dichlorotoluene	13.249	125	403817	40.49	ug/L	98
115)	1,2,4-Tcbenzene	13.456	180	142065	20.45	ug/L	97
116)	Hexachlorobt	13.597	225	50817	21.75	ug/L	98
117)	Naphthalen	13.645	128	444826	23.09	ug/L	99
118)	1,2,3-Tclbenzene	13.834	180	137861	20.49	ug/L	97
119)	2,4,5-Trichlorotoluene	14.420	159	77550	18.56	ug/L	99

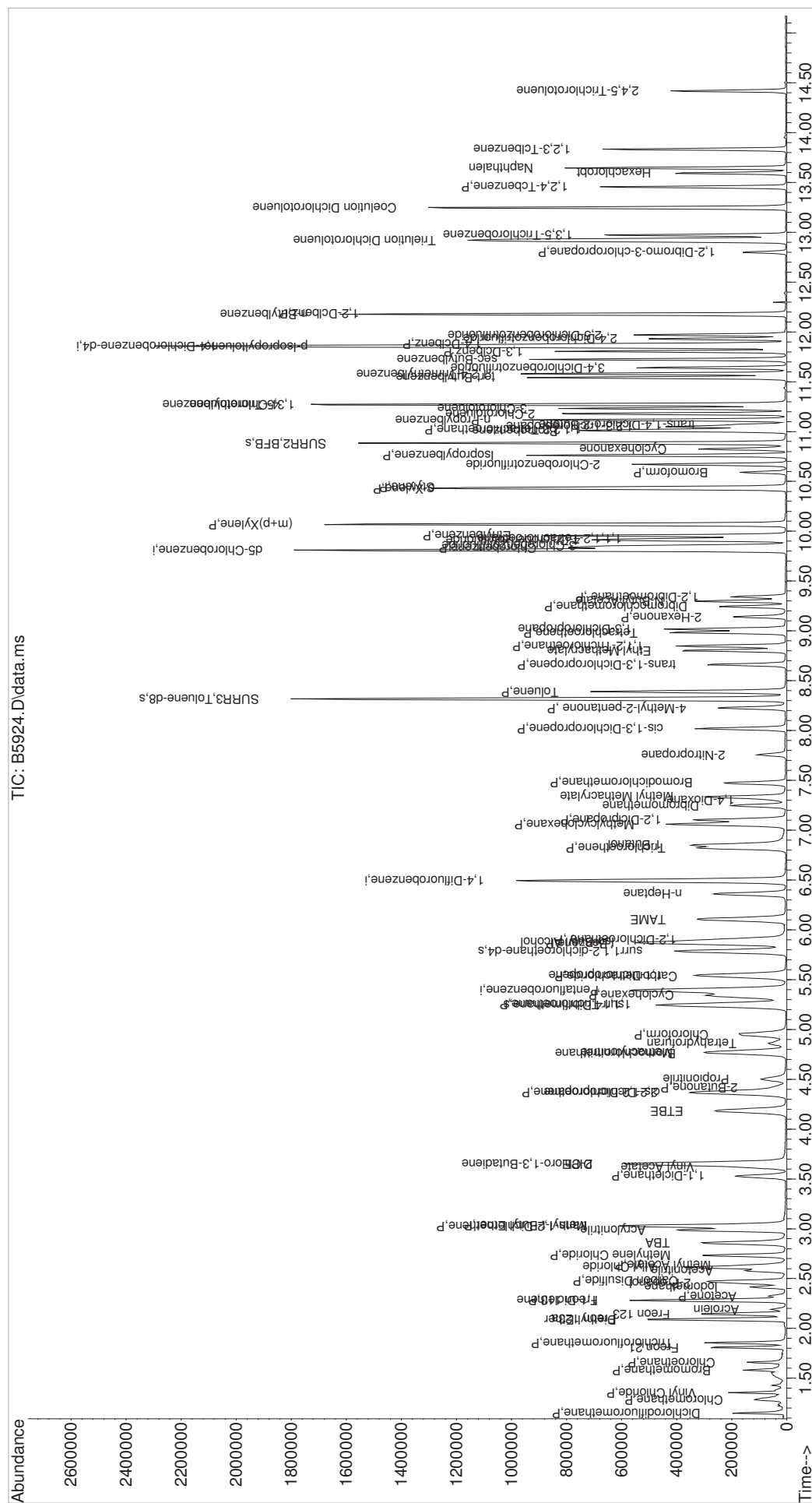
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5924.D
Acq On : 19 Sep 2022 10:38 pm
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 32 Sample Multiplier: 1
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Inst : MSVOA10

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 20 08:45:05 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5948.D
 Acq On : 20 Sep 2022 7:22 am
 Operator : F.NAEGLER
 Sample : R2208645-006MS|1.0
 Misc : VCG 6646 T4
 ALS Vial : 56 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:39:49 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	455687	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	771233	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	714449	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	360167	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	247187	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	100.24%
47) surr1,1,2-dichloroetha...	5.787	65	329105	51.97	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	103.94%
65) SURR3,Toluene-d8	8.317	98	972882	51.77	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	103.54%
70) SURR2,BFB	10.884	95	371004	52.41	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	104.82%

Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.148	85	270581	48.54	ug/L	99
4) Chloromethane	1.288	50	347507	57.03	ug/L	96
5) Vinyl Chloride	1.355	62	288985	50.20	ug/L	97
6) Bromomethane	1.581	94	161991	50.58	ug/L	98
7) Chloroethane	1.660	64	174428	45.26	ug/L	98
8) Freon 21	1.806	67	418245	46.30	ug/L	100
9) Trichlorofluoromethane	1.855	101	405357	54.85	ug/L	99
10) Diethyl Ether	2.087	59	232318	52.61	ug/L	96
11) Freon 123a	2.093	67	291022	52.23	ug/L	100
12) Freon 123	2.148	83	320871	52.55	ug/L	96
13) Acrolein	2.190	56	63596	54.37	ug/L	97
14) 1,1-Dicethene	2.282	96	225710	55.81	ug/L	91
15) Freon 113	2.282	101	218539	49.74	ug/L	97
16) Acetone	2.324	43	160019	59.41	ug/L	94
17) 2-Propanol	2.458	45	464357	955.10	ug/L	100
18) Iodomethane	2.416	142	308452	50.22	ug/L	97
19) Carbon Disulfide	2.477	76	581118	49.07	ug/L	98
20) Acetonitrile	2.574	41	291877	270.03	ug/L	96
21) Allyl Chloride	2.611	76	114618	53.19	ug/L #	88
22) Methyl Acetate	2.635	43	239325	36.69	ug/L	96
23) Methylene Chloride	2.733	84	256145	50.44	ug/L	97
24) TBA	2.861	59	637109	1007.61	ug/L	90
25) Acrylonitrile	2.983	53	671020	256.46	ug/L	98
26) Methyl-t-Butyl Ether	3.032	73	699158	50.23	ug/L	99
27) trans-1,2-Dichloroethene	3.025	96	241697	54.29	ug/L #	87
28) 1,1-Dicethane	3.525	63	479797	57.85	ug/L	96
29) Vinyl Acetate	3.623	86	25201	29.51	ug/L #	86
30) DIPE	3.653	45	961985	53.06	ug/L	97
31) 2-Chloro-1,3-Butadiene	3.647	53	414347	52.74	ug/L	93
32) ETBE	4.184	59	594220	46.82	ug/L	98
33) 2,2-Dichloropropane	4.367	77	148265	34.10	ug/L	93
34) cis-1,2-Dichloroethene	4.373	96	271373	52.25	ug/L	99
35) 2-Butanone	4.409	43	219523	48.71	ug/L	98
36) Propionitrile	4.501	54	276532	272.29	ug/L	98
37) Bromochloromethane	4.775	130	182400	53.27	ug/L	91
38) Methacrylonitrile	4.775	67	128862	51.74	ug/L	87
39) Tetrahydrofuran	4.860	42	143749	52.58	ug/L	99
40) Chloroform	4.952	83	464233	54.15	ug/L	98
41) 1,1,1-Trichloroethane	5.251	97	350568	56.09	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5948.D
 Acq On : 20 Sep 2022 7:22 am
 Operator : F.NAEGLER
 Sample : R2208645-006MS|1.0
 Misc : VCG 6646 T4
 ALS Vial : 56 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:39:49 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
43) Cyclohexane	5.342	41	319608	52.76	ug/L	98
45) Carbontetrachloride	5.531	117	284874	55.42	ug/L	99
46) 1,1-Dichloropropene	5.549	75	321906	53.66	ug/L	96
48) Benzene	5.866	78	993330	54.84	ug/L	100
49) 1,2-Dichloroethane	5.903	62	407544	55.02	ug/L	99
50) Iso-Butyl Alcohol	5.879	43	378666	1054.43	ug/L	95
51) TAME	6.110	73	542838	47.61	ug/L	98
52) n-Heptane	6.360	43	278433	42.64	ug/L	96
53) 1-Butanol	6.854	56	436940	2442.10	ug/L	96
54) Trichloroethene	6.824	130	262434	54.41	ug/L	97
55) Methylcyclohexane	7.061	55	310636	52.11	ug/L	97
56) 1,2-Diclpropane	7.104	63	260782	54.03	ug/L	99
57) Dibromomethane	7.244	93	178242	50.48	ug/L	94
58) 1,4-Dioxane	7.305	88	92043	946.60	ug/L	93
59) Methyl Methacrylate	7.336	69	198058	53.37	ug/L	99
60) Bromodichloromethane	7.476	83	321853	52.10	ug/L	97
61) 2-Nitropropane	7.756	41	145700	93.55	ug/L	97
63) cis-1,3-Dichloropropene	8.018	75	321904	52.69	ug/L	96
64) 4-Methyl-2-pentanone	8.226	43	459670	57.30	ug/L	98
66) Toluene	8.390	91	1071251	53.02	ug/L	98
67) trans-1,3-Dichloropropene	8.665	75	274541	55.28	ug/L	97
68) Ethyl Methacrylate	8.805	69	348110	56.04	ug/L	96
69) 1,1,2-Trichloroethane	8.848	97	239959	51.50	ug/L	97
72) Tetrachloroethene	8.988	164	185066	51.50	ug/L	94
73) 2-Hexanone	9.140	43	335367	56.38	ug/L	97
74) 1,3-Dichloropropane	9.018	76	411221	50.36	ug/L	97
75) Dibromochloromethane	9.244	129	247758	50.51	ug/L	96
76) N-Butyl Acetate	9.299	43	462039	40.44	ug/L	99
77) 1,2-Dibromoethane	9.341	107	250840	53.08	ug/L	97
78) 3-Chlorobenzotrifluoride	9.853	180	279021	42.69	ug/L	95
79) Chlorobenzene	9.835	112	681021	51.63	ug/L	95
80) 4-Chlorobenzotrifluoride	9.908	180	248206	42.51	ug/L	97
81) 1,1,1,2-Tetrachloroethane	9.927	131	223199	51.90	ug/L	98
82) Ethylbenzene	9.957	106	370703	53.48	ug/L	98
83) (m+p)Xylene	10.067	106	930021	107.92	ug/L	95
84) o-Xylene	10.426	106	460571	54.30	ug/L	99
85) Styrene	10.439	104	790607	56.35	ug/L	98
86) Bromoform	10.591	173	141574	52.59	ug/L	92
87) 2-Chlorobenzotrifluoride	10.670	180	295797	44.96	ug/L	96
88) Isopropylbenzene	10.762	105	1186051	58.58	ug/L	100
89) Cyclohexanone	10.823	55	252273	293.00	ug/L	99
90) trans-1,4-Dichloro-2-B...	11.073	53	71424	53.69	ug/L	96
92) 1,1,2,2-Tetrachloroethane	11.018	83	344920	49.78	ug/L	97
93) Bromobenzene	11.006	156	284452	47.89	ug/L	95
94) 1,2,3-Trichloropropane	11.048	110	109715	48.96	ug/L	97
95) n-Propylbenzene	11.115	91	1377502	54.08	ug/L	100
96) 2-Chlorotoluene	11.182	91	818046	52.18	ug/L	99
97) 3-Chlorotoluene	11.231	91	796388	49.22	ug/L	99
98) 4-Chlorotoluene	11.274	91	939942	52.34	ug/L	99
99) 1,3,5-Trimethylbenzene	11.268	105	991505	53.01	ug/L	99
100) tert-Butylbenzene	11.542	119	846268	55.61	ug/L	99
101) 1,2,4-Trimethylbenzene	11.579	105	980817	54.05	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.646	214	188051	37.26	ug/L	95
103) sec-Butylbenzene	11.725	105	1205890	55.47	ug/L	100
104) p-Isopropyltoluene	11.847	119	1017434	55.38	ug/L	100
105) 1,3-Dclbenz	11.804	146	546741	52.61	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5948.D
 Acq On : 20 Sep 2022 7:22 am
 Operator : F.NAEGLER
 Sample : R2208645-006MS|1.0
 Misc : VCG 6646 T4
 ALS Vial : 56 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:39:49 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
106)	1,4-Dclbenz	11.877	146	554799	48.79	ug/L	98
107)	2,4-Dichlorobenzotrifl...	11.932	214	180150	39.81	ug/L	97
108)	2,5-Dichlorobenzotrifl...	11.975	214	204402	40.49	ug/L	96
109)	n-Butylbenzene	12.176	91	865808	53.70	ug/L	99
110)	1,2-Dclbenz	12.182	146	547237	50.59	ug/L	99
111)	1,2-Dibromo-3-chloropr...	12.804	157	64879	50.91	ug/L	91
112)	Trielution Dichlorotol...	12.920	125	1283779	142.41	ug/L	98
113)	1,3,5-Trichlorobenzene	12.975	180	321880	43.60	ug/L	100
114)	Coelution Dichlorotoluene	13.249	125	947653	96.83	ug/L	99
115)	1,2,4-Tcbenzene	13.456	180	330092	48.43	ug/L	97
116)	Hexachlorobt	13.597	225	112134	48.43	ug/L	98
117)	Naphthalen	13.645	128	1069947	56.61	ug/L	100
118)	1,2,3-Tclbenzene	13.834	180	327264	49.57	ug/L	99
119)	2,4,5-Trichlorotoluene	14.420	159	168913	40.26	ug/L	98

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

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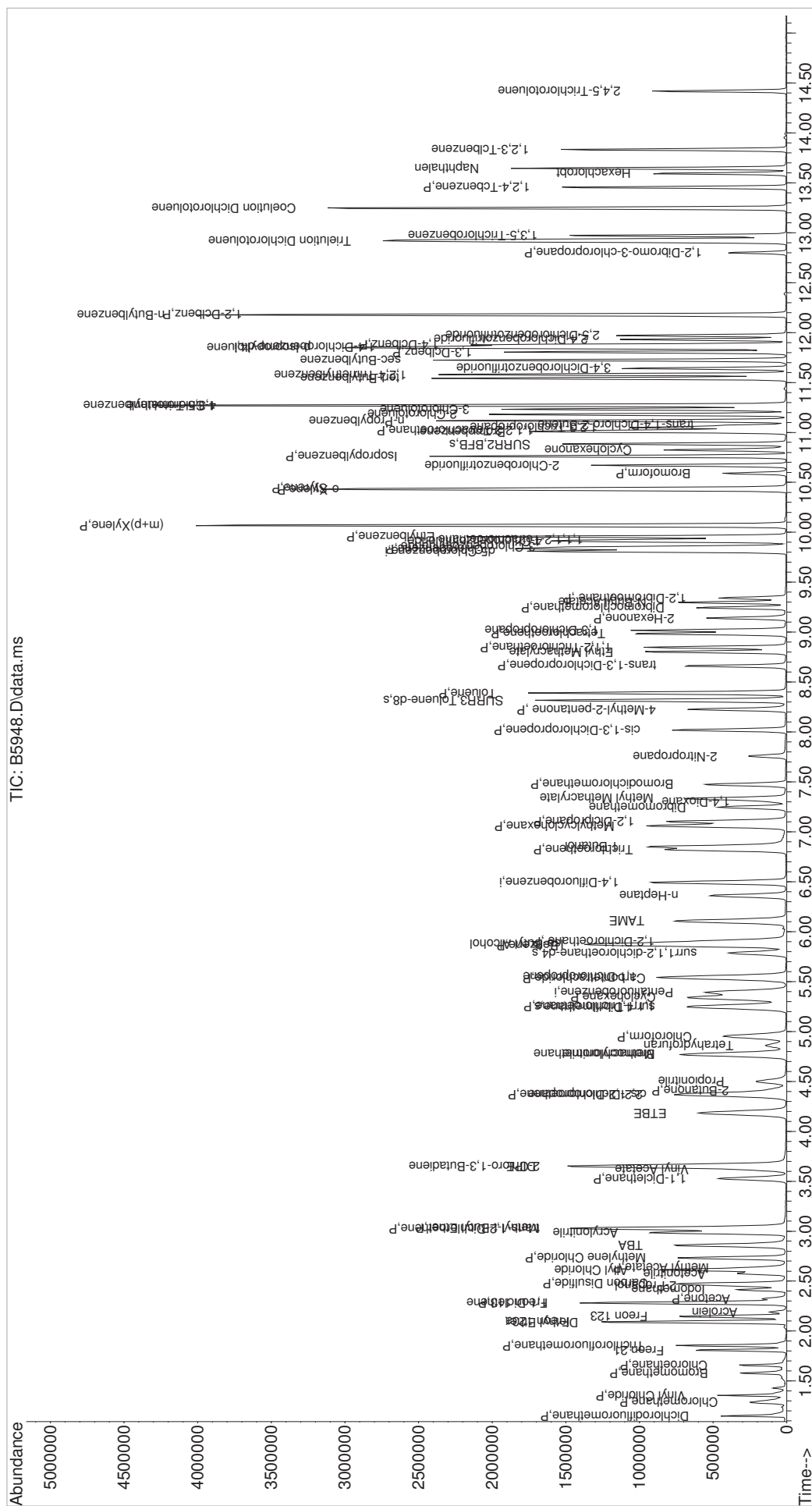
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Data File : B5948.D
Acq On : 20 Sep 2022 7:22 am
Operator : F.NAEGLER
Sample : R2208645-006MS|1.0
Misc : VCG 6646 T4
ALS Vial : 56 Sample Multiplier: 1

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Inst : MSVOA10

ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 20 16:39:49 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5949.D
 Acq On : 20 Sep 2022 7:43 am
 Operator : F.NAEGLER
 Sample : R2208645-006DMS|1.0
 Misc : VCG 6646 T4
 ALS Vial : 57 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:41:23 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	461205	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	776205	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	714516	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	354175	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.238	113	253202	51.01	ug/L	-0.01
Spiked Amount	50.000	Range	80 - 116	Recovery	=	102.02%
47) surr1,1,2-dichloroetha...	5.787	65	327066	51.32	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	102.64%
65) SURR3,Toluene-d8	8.317	98	971617	51.37	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.74%
70) SURR2,BFB	10.884	95	366930	51.51	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.02%

Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.148	85	287899	51.03	ug/L	98
4) Chloromethane	1.282	50	364700	59.13	ug/L	96
5) Vinyl Chloride	1.355	62	295908	50.79	ug/L	96
6) Bromomethane	1.581	94	171978	53.37	ug/L	98
7) Chloroethane	1.660	64	178828	45.85	ug/L	97
8) Freon 21	1.806	67	423318	46.30	ug/L	96
9) Trichlorofluoromethane	1.855	101	427866	57.21	ug/L	100
10) Diethyl Ether	2.087	59	239521	53.59	ug/L	96
11) Freon 123a	2.093	67	285778	50.67	ug/L	96
12) Freon 123	2.148	83	328198	53.11	ug/L	99
13) Acrolein	2.190	56	65456	55.29	ug/L	98
14) 1,1-Dicethene	2.282	96	233074	56.94	ug/L	97
15) Freon 113	2.282	101	230121	51.75	ug/L	96
16) Acetone	2.324	43	160553	58.89	ug/L	98
17) 2-Propanol	2.459	45	481863	979.24	ug/L	100
18) Iodomethane	2.416	142	328213	52.80	ug/L	97
19) Carbon Disulfide	2.477	76	610599	50.94	ug/L	100
20) Acetonitrile	2.580	41	294706	269.38	ug/L	95
21) Allyl Chloride	2.617	76	122735	56.28	ug/L	92
22) Methyl Acetate	2.635	43	241025	36.51	ug/L	98
23) Methylene Chloride	2.733	84	259042	50.40	ug/L	96
24) TBA	2.861	59	647266	1011.43	ug/L	96
25) Acrylonitrile	2.989	53	668981	252.62	ug/L	96
26) Methyl-t-Butyl Ether	3.032	73	729730	51.79	ug/L	97
27) trans-1,2-Dichloroethene	3.026	96	244456	54.26	ug/L	89
28) 1,1-Dicethane	3.525	63	488470	58.20	ug/L	99
29) Vinyl Acetate	3.617	86	28009	32.23	ug/L #	83
30) DIPE	3.653	45	998335	54.41	ug/L	98
31) 2-Chloro-1,3-Butadiene	3.653	53	431390	54.26	ug/L	95
32) ETBE	4.184	59	623046	48.50	ug/L	98
33) 2,2-Dichloropropane	4.361	77	168883	38.38	ug/L	97
34) cis-1,2-Dichloroethene	4.373	96	280090	53.28	ug/L	100
35) 2-Butanone	4.415	43	216703	47.51	ug/L	98
36) Propionitrile	4.501	54	272495	265.11	ug/L	100
37) Bromochloromethane	4.769	130	185456	53.52	ug/L	93
38) Methacrylonitrile	4.769	67	128210	50.86	ug/L #	82
39) Tetrahydrofuran	4.861	42	141219	51.04	ug/L	100
40) Chloroform	4.958	83	468120	53.95	ug/L	98
41) 1,1,1-Trichloroethane	5.251	97	372390	58.87	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5949.D
 Acq On : 20 Sep 2022 7:43 am
 Operator : F.NAEGLER
 Sample : R2208645-006DMS|1.0
 Misc : VCG 6646 T4
 ALS Vial : 57 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 16:41:23 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
43) Cyclohexane	5.342	41	332149	54.47	ug/L	98
45) Carbontetrachloride	5.531	117	304153	58.79	ug/L	94
46) 1,1-Dichloropropene	5.543	75	323241	53.53	ug/L	97
48) Benzene	5.866	78	1010136	55.41	ug/L	97
49) 1,2-Dichloroethane	5.903	62	406979	54.60	ug/L	98
50) Iso-Butyl Alcohol	5.879	43	374017	1034.81	ug/L	97
51) TAME	6.104	73	576458	50.24	ug/L	98
52) n-Heptane	6.360	43	288141	43.85	ug/L	96
53) 1-Butanol	6.854	56	421224	2349.11	ug/L	91
54) Trichloroethene	6.824	130	271664	55.96	ug/L	97
55) Methylcyclohexane	7.061	55	309673	51.62	ug/L	97
56) 1,2-Diclpropane	7.104	63	265368	54.63	ug/L	99
57) Dibromomethane	7.244	93	180020	50.65	ug/L	97
58) 1,4-Dioxane	7.305	88	89090	910.36	ug/L	91
59) Methyl Methacrylate	7.336	69	203202	54.41	ug/L	99
60) Bromodichloromethane	7.470	83	331273	53.28	ug/L	96
61) 2-Nitropropane	7.756	41	147154	93.87	ug/L	91
63) cis-1,3-Dichloropropene	8.018	75	339392	55.20	ug/L	97
64) 4-Methyl-2-pentanone	8.226	43	457242	56.63	ug/L	99
66) Toluene	8.390	91	1109628	54.57	ug/L	98
67) trans-1,3-Dichloropropene	8.659	75	277915	55.56	ug/L	97
68) Ethyl Methacrylate	8.805	69	360928	57.74	ug/L	90
69) 1,1,2-Trichloroethane	8.848	97	240133	51.21	ug/L	95
72) Tetrachloroethene	8.988	164	183663	51.11	ug/L	98
73) 2-Hexanone	9.140	43	330369	55.54	ug/L	99
74) 1,3-Dichloropropane	9.018	76	411188	50.35	ug/L	96
75) Dibromochloromethane	9.244	129	258656	52.73	ug/L	98
76) N-Butyl Acetate	9.299	43	453270	39.67	ug/L	98
77) 1,2-Dibromoethane	9.341	107	254459	53.84	ug/L	97
78) 3-Chlorobenzotrifluoride	9.853	180	284870	43.58	ug/L	99
79) Chlorobenzene	9.835	112	683041	51.78	ug/L	97
80) 4-Chlorobenzotrifluoride	9.908	180	253742	43.46	ug/L	97
81) 1,1,1,2-Tetrachloroethane	9.921	131	230123	53.43	ug/L	97
82) Ethylbenzene	9.957	106	382094	55.11	ug/L	96
83) (m+p)Xylene	10.067	106	937595	108.79	ug/L	97
84) o-Xylene	10.427	106	465289	54.85	ug/L	99
85) Styrene	10.439	104	798689	56.92	ug/L	98
86) Bromoform	10.591	173	147169	54.46	ug/L	91
87) 2-Chlorobenzotrifluoride	10.670	180	306856	46.64	ug/L	98
88) Isopropylbenzene	10.762	105	1184392	58.49	ug/L	97
89) Cyclohexanone	10.823	55	246253	285.98	ug/L	100
90) trans-1,4-Dichloro-2-B...	11.073	53	72574	54.51	ug/L	99
92) 1,1,2,2-Tetrachloroethane	11.018	83	341489	50.11	ug/L	97
93) Bromobenzene	11.006	156	289205	49.51	ug/L	96
94) 1,2,3-Trichloropropane	11.048	110	112993	51.27	ug/L	99
95) n-Propylbenzene	11.115	91	1394780	55.68	ug/L	100
96) 2-Chlorotoluene	11.182	91	830970	53.91	ug/L	98
97) 3-Chlorotoluene	11.231	91	799210	50.23	ug/L	100
98) 4-Chlorotoluene	11.274	91	931059	52.72	ug/L	99
99) 1,3,5-Trimethylbenzene	11.268	105	987595	53.69	ug/L	99
100) tert-Butylbenzene	11.542	119	862008	57.60	ug/L	99
101) 1,2,4-Trimethylbenzene	11.579	105	995468	55.79	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.646	214	191112	38.51	ug/L	99
103) sec-Butylbenzene	11.725	105	1211223	56.66	ug/L	98
104) p-Isopropyltoluene	11.847	119	1018085	56.36	ug/L	99
105) 1,3-Dclbenz	11.804	146	555453	54.36	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5949.D
 Acq On : 20 Sep 2022 7:43 am
 Operator : F.NAEGLER
 Sample : R2208645-006DMS|1.0 Inst : MSVOA10
 Misc : VCG 6646 T4
 ALS Vial : 57 Sample Multiplier: 1

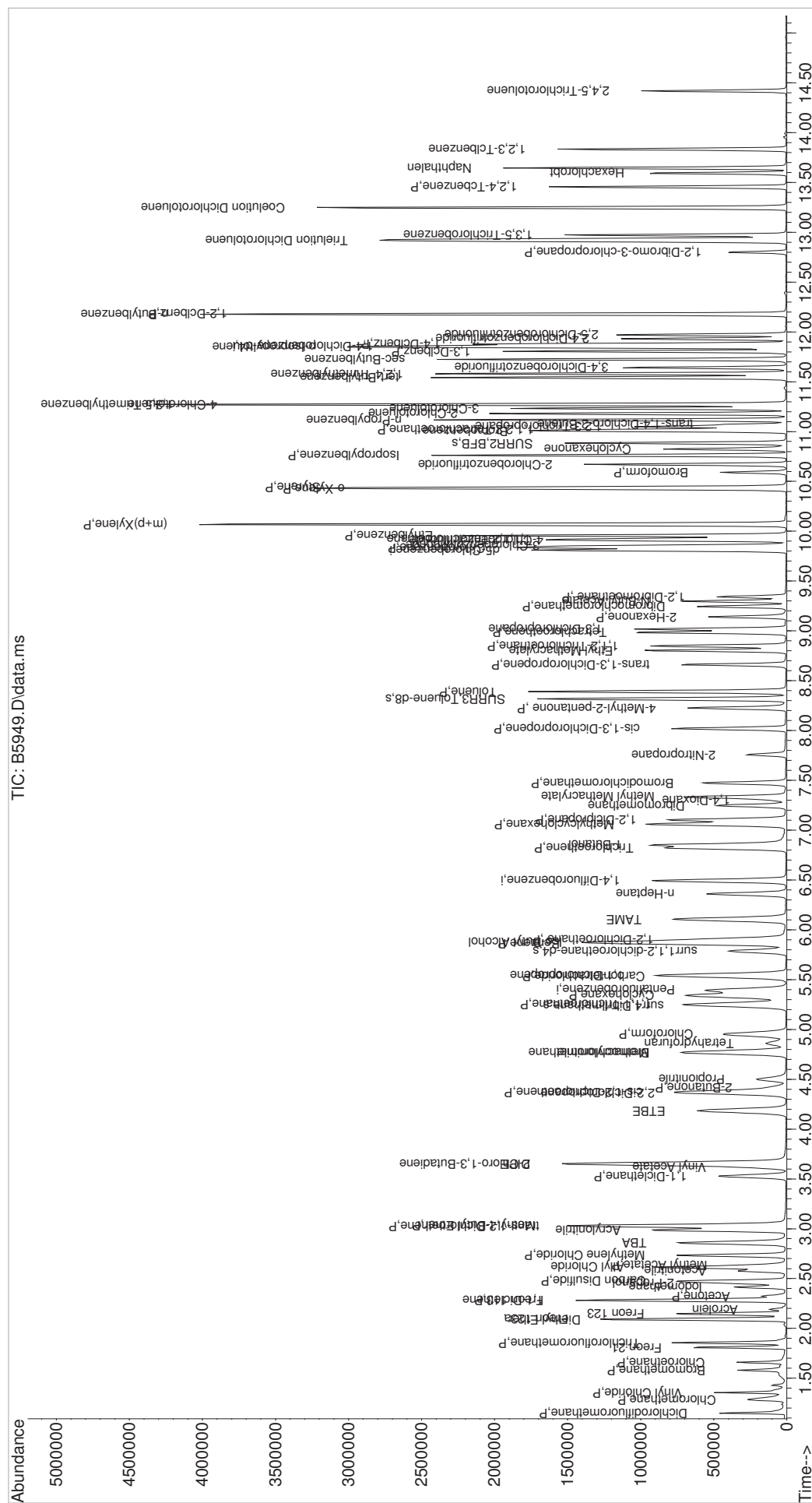
Quant Time: Sep 20 16:41:23 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
106) 1,4-Dclbenz	11.877	146	558043	49.91	ug/L	98
107) 2,4-Dichlorobenzotrifl...	11.932	214	179963	40.44	ug/L	96
108) 2,5-Dichlorobenzotrifl...	11.975	214	210244	42.35	ug/L	96
109) n-Butylbenzene	12.176	91	886580	55.91	ug/L	99
110) 1,2-Dclbenz	12.182	146	550608	51.76	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.804	157	62963	50.24	ug/L #	79
112) Trielution Dichlorotol...	12.920	125	1314337	148.26	ug/L	96
113) 1,3,5-Trichlorobenzene	12.975	180	325644	44.85	ug/L	97
114) Coelution Dichlorotoluene	13.249	125	976879	101.51	ug/L	98
115) 1,2,4-Tcbenzene	13.456	180	340515	50.81	ug/L	99
116) Hexachlorobt	13.597	225	115038	50.47	ug/L	96
117) Naphthalen	13.645	128	1089461	58.62	ug/L	100
118) 1,2,3-Tclbenzene	13.834	180	334235	51.48	ug/L	99
119) 2,4,5-Trichlorotoluene	14.420	159	177151	42.87	ug/L	97

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

Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5949.D
Acq On : 20 Sep 2022 7:43 am
Operator : F.NAEGLER
Sample : R2208645-006DMS|1.0
Misc : VCG 6646 T4
ALS Vial : 57 Sample Multiplier: 1
Inst : MSVOA10

Quant Time: Sep 20 16:41:23 2022
Quant Method : I:\ACQDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5923.D
 Acq On : 19 Sep 2022 10:16 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 08:42:39 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	117	0.00
2	Chlorodifluoromethane	50.000	0.000	100.0#	0	-1.17#
3 P	Dichlorodifluoromethane	50.000	37.517	25.0#	84	0.00
4 P	Chloromethane	50.000	40.727	18.5	105	0.00
5 P	Vinyl Chloride	50.000	41.163	17.7	98	0.00
6 P	Bromomethane	50.000	40.404	19.2	88	0.00
7 P	Chloroethane	50.000	38.075	23.8#	100	0.00
8	Freon 21	50.000	47.729	4.5	116	0.00
9 P	Trichlorofluoromethane	50.000	38.148	23.7#	96	0.00
10	Diethyl Ether	50.000	49.168	1.7	116	0.00
11	Freon 123a	50.000	43.842	12.3	110	0.00
12	Freon 123	50.000	46.403	7.2	115	0.00
13	Acrolein	250.000	220.776	11.7	98	0.00
14	1,1-Dicethene	50.000	40.353	19.3	103	0.00
15 P	Freon 113	50.000	34.504	31.0#	92	0.00
16 P	Acetone	50.000	51.482	-3.0	120	0.00
17	2-Propanol	1000.000	960.323	4.0	112	0.00
18	Iodomethane	50.000	48.787	2.4	110	0.00
19 P	Carbon Disulfide	50.000	45.324	9.4	105	0.00
20	Acetonitrile	250.000	267.082	-6.8	118	0.00
21	Allyl Chloride	50.000	40.833	18.3	104	0.00
22 P	Methyl Acetate	50.000	50.099	-0.2	119	0.00
23 P	Methylene Chloride	50.000	44.640	10.7	112	0.00
24	TBA	1000.000	925.943	7.4	107	0.00
25	Acrylonitrile	250.000	248.680	0.5	111	0.00
26 P	Methyl-t-Butyl Ether	50.000	47.780	4.4	112	0.00
27 P	trans-1,2-Dichloroethene	50.000	42.702	14.6	107	0.00
28 P	1,1-Dicethane	50.000	44.814	10.4	107	0.00
29	Vinyl Acetate	50.000	51.440	-2.9	117	0.00
30	DIPE	50.000	48.897	2.2	109	0.00
31	2-Chloro-1,3-Butadiene	50.000	47.018	6.0	107	0.00
32	ETBE	50.000	47.874	4.3	111	0.00
33	2,2-Dichloropropane	50.000	38.009	24.0#	91	0.00
34 P	cis-1,2-Dichloroethene	50.000	44.458	11.1	109	0.00
35 P	2-Butanone	50.000	48.142	3.7	112	0.00
36	Propionitrile	250.000	249.475	0.2	108	0.00
37	Bromochloromethane	50.000	47.727	4.5	114	0.00
38	Methacrylonitrile	50.000	48.939	2.1	114	0.00
39	Tetrahydrofuran	50.000	47.541	4.9	114	0.00
40 P	Chloroform	50.000	44.426	11.1	108	0.00
41 P	1,1,1-Trichloroethane	50.000	41.111	17.8	101	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	117	0.00
43 P	Cyclohexane	50.000	46.661	6.7	113	0.00
44 s	surr4,Dibrflmethane	50.000	51.266	-2.5	121	0.00
45 P	Carbontetrachloride	50.000	39.989	20.0#	98	0.00
46	1,1-Dichloropropene	50.000	39.168	21.7#	97	0.00
47 s	surr1,1,2-dichloroethane-d4	50.000	51.672	-3.3	119	0.00
48 P	Benzene	50.000	44.206	11.6	108	0.00
49 P	1,2-Dichloroethane	50.000	50.457	-0.9	116	0.00
50	Iso-Butyl Alcohol	1000.000	973.638	2.6	110	0.00
51	TAME	50.000	47.772	4.5	106	0.00

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5923.D
 Acq On : 19 Sep 2022 10:16 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 08:42:39 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	35.014	30.0#	93	0.00
53	1-Butanol	2500.000	2434.725	2.6	103	0.00
54 P	Trichloroethene	50.000	40.909	18.2	100	0.00
55 P	Methylcyclohexane	50.000	46.300	7.4	113	0.00
56 P	1,2-Dicloropropane	50.000	48.356	3.3	110	0.00
57	Dibromomethane	50.000	45.978	8.0	114	0.00
58	1,4-Dioxane	1000.000	881.827	11.8	105	0.00
59	Methyl Methacrylate	50.000	50.046	-0.1	111	0.00
60 P	Bromodichloromethane	50.000	47.108	5.8	111	0.00
61	2-Nitropropane	100.000	97.758	2.2	111	0.00
62	2-Chloroethylvinyl Ether	50.000	50.244	-0.5	109	0.00
63 P	cis-1,3-Dichloropropene	50.000	48.705	2.6	107	0.00
64 P	4-Methyl-2-pentanone	50.000	51.509	-3.0	113	0.00
65 s	SURR3,Toluene-d8	50.000	51.819	-3.6	123	0.00
66 P	Toluene	50.000	42.772	14.5	103	0.00
67 P	trans-1,3-Dichloropropene	50.000	50.601	-1.2	107	0.00
68	Ethyl Methacrylate	50.000	52.503	-5.0	112	0.00
69 P	1,1,2-Trichloroethane	50.000	49.978	0.0	117	0.00
70 s	SURR2,BFB	50.000	51.855	-3.7	120	0.00
71 i	d5-Chlorobenzene	50.000	50.000	0.0	116	0.00
72 P	Tetrachloroethene	50.000	36.944	26.1#	95	0.00
73 P	2-Hexanone	50.000	50.662	-1.3	114	0.00
74	1,3-Dichloropropane	50.000	48.196	3.6	113	0.00
75 P	Dibromochloromethane	50.000	49.294	1.4	112	0.00
76	N-Butyl Acetate	50.000	52.611	-5.2	112	0.00
77 P	1,2-Dibromoethane	50.000	51.056	-2.1	114	0.00
78	3-Chlorobenzotrifluoride	50.000	42.970	14.1	99	0.00
79 P	Chlorobenzene	50.000	45.854	8.3	107	0.00
80	4-Chlorobenzotrifluoride	50.000	44.382	11.2	101	0.00
81	1,1,1,2-Tetrachloroethane	50.000	46.284	7.4	109	0.00
82 P	Ethylbenzene	50.000	41.890	16.2	100	0.00
83 P	(m+p)Xylene	100.000	82.269	17.7	100	0.00
84 P	o-Xylene	50.000	43.525	13.0	103	0.00
85 P	Styrene	50.000	47.556	4.9	106	0.00
86 P	Bromoform	50.000	50.850	-1.7	104	0.00
87	2-Chlorobenzotrifluoride	50.000	45.200	9.6	99	0.00
88 P	Isopropylbenzene	50.000	40.214	19.6	96	0.00
89	Cyclohexanone	1000.000	423.021	57.7#	54	0.00
90	trans-1,4-Dichloro-2-Butene	50.000	48.531	2.9	112	0.00
91 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	113	0.00
92 P	1,1,2,2-Tetrachloroethane	50.000	49.081	1.8	111	0.00
93	Bromobenzene	50.000	44.009	12.0	107	0.00
94	1,2,3-Trichloropropane	50.000	48.534	2.9	110	0.00
95	n-Propylbenzene	50.000	38.971	22.1#	94	0.00
96	2-Chlorotoluene	50.000	42.007	16.0	101	0.00
97	3-Chlorotoluene	50.000	48.860	2.3	103	0.00
98	4-Chlorotoluene	50.000	41.784	16.4	100	0.00
99	1,3,5-Trimethylbenzene	50.000	40.799	18.4	98	0.00
100	tert-Butylbenzene	50.000	39.315	21.4#	94	0.00
101	1,2,4-Trimethylbenzene	50.000	42.127	15.7	98	0.00

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5923.D
 Acq On : 19 Sep 2022 10:16 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 08:42:39 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	40.975	18.0	93	0.00
103	sec-Butylbenzene	50.000	38.614	22.8#	93	0.00
104	p-Isopropyltoluene	50.000	40.871	18.3	95	0.00
105 P	1,3-Dclbenz	50.000	44.225	11.5	101	0.00
106 P	1,4-Dclbenz	50.000	41.348	17.3	102	0.00
107	2,4-Dichlorobenzotrifluorid	50.000	42.082	15.8	95	0.00
108	2,5-Dichlorobenzotrifluorid	50.000	44.093	11.8	100	0.00
109	n-Butylbenzene	50.000	39.189	21.6#	92	0.00
110 P	1,2-Dclbenz	50.000	45.054	9.9	105	0.00
111 P	1,2-Dibromo-3-chloropropane	50.000	48.131	3.7	103	0.00
112	Trielution Dichlorotoluene	150.000	149.054	0.6	106	0.00
113	1,3,5-Trichlorobenzene	50.000	46.082	7.8	104	0.00
114	Coelution Dichlorotoluene	100.000	103.616	-3.6	108	0.00
115 P	1,2,4-Tcbenzene	50.000	46.475	7.0	106	0.00
116	Hexachlorobt	50.000	36.927	26.1#	92	0.00
117	Naphthalen	50.000	54.433	-8.9	110	0.00
118	1,2,3-Tclbenzene	50.000	49.198	1.6	109	0.00
119	2,4,5-Trichlorotoluene	50.000	44.521	11.0	100	0.00
120	2,3,6-Trichlorotoluene	50.000	0.000	100.0#	0	-14.51#

(#) = Out of Range

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

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5923.D
 Acq On : 19 Sep 2022 10:16 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 08:42:39 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	483997	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	809553	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	733699	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	371901	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	265403	51.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	102.54%
47) surr1,1,2-dichloroetha...	5.787	65	343470	51.67	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	103.34%
65) SURR3,Toluene-d8	8.317	98	1022162	51.82	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	103.64%
70) SURR2,BFB	10.884	95	385293	51.86	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.72%

Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.148	85	222116	37.52	ug/L	97
4) Chloromethane	1.288	50	263605	40.73	ug/L	98
5) Vinyl Chloride	1.355	62	251685	41.16	ug/L	98
6) Bromomethane	1.581	94	140598	40.40	ug/L	91
7) Chloroethane	1.660	64	155856	38.08	ug/L	95
8) Freon 21	1.806	67	457901	47.73	ug/L	99
9) Trichlorofluoromethane	1.855	101	299425	38.15	ug/L	96
10) Diethyl Ether	2.087	59	230611	49.17	ug/L	93
11) Freon 123a	2.093	67	259479	43.84	ug/L	93
12) Freon 123	2.148	83	300920	46.40	ug/L	98
13) Acrolein	2.190	56	274261	220.78	ug/L	98
14) 1,1-Dicethene	2.282	96	173331	40.35	ug/L	96
15) Freon 113	2.288	101	161025	34.50	ug/L	95
16) Acetone	2.324	43	147292	51.48	ug/L	96
17) 2-Propanol	2.458	45	495905	960.32	ug/L	100
18) Iodomethane	2.416	142	318261	48.79	ug/L	99
19) Carbon Disulfide	2.477	76	570123	45.32	ug/L	99
20) Acetonitrile	2.574	41	306630	267.08	ug/L	98
21) Allyl Chloride	2.611	76	93456	40.83	ug/L #	83
22) Methyl Acetate	2.635	43	347058	50.10	ug/L	99
23) Methylene Chloride	2.733	84	240761	44.64	ug/L	98
24) TBA	2.861	59	621844	925.94	ug/L	96
25) Acrylonitrile	2.983	53	691093	248.68	ug/L	99
26) Methyl-t-Butyl Ether	3.032	73	706429	47.78	ug/L	96
27) trans-1,2-Dichloroethene	3.025	96	201901	42.70	ug/L #	88
28) 1,1-Dicethane	3.525	63	394738	44.81	ug/L	99
29) Vinyl Acetate	3.617	86	48524	51.44	ug/L	100
30) DIPE	3.653	45	941583	48.90	ug/L	99
31) 2-Chloro-1,3-Butadiene	3.647	53	392306	47.02	ug/L	94
32) ETBE	4.184	59	645385	47.87	ug/L	96
33) 2,2-Dichloropropane	4.361	77	175526	38.01	ug/L	92
34) cis-1,2-Dichloroethene	4.373	96	245246	44.46	ug/L	100
35) 2-Butanone	4.415	43	230449	48.14	ug/L	95
36) Propionitrile	4.495	54	269098	249.47	ug/L	99
37) Bromochloromethane	4.769	130	173564	47.73	ug/L	95
38) Methacrylonitrile	4.769	67	129465	48.94	ug/L #	82
39) Tetrahydrofuran	4.854	42	138048	47.54	ug/L	97
40) Chloroform	4.952	83	404545	44.43	ug/L	98
41) 1,1,1-Trichloroethane	5.251	97	272924	41.11	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\091922\

Data File : B5923.D

Acq On : 19 Sep 2022 10:16 pm

Operator : F.NAEGLER

Sample : CCV

Misc :

Inst : MSVOA10

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 20 08:42:39 2022

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M

Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

QLast Update : Thu Sep 08 14:38:30 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
43) Cyclohexane	5.342	41	296732	46.66	ug/L	95
45) Carbontetrachloride	5.537	117	215781	39.99	ug/L	97
46) 1,1-Dichloropropene	5.549	75	246667	39.17	ug/L	98
48) Benzene	5.866	78	840456	44.21	ug/L	99
49) 1,2-Dichloroethane	5.903	62	392287	50.46	ug/L	96
50) Iso-Butyl Alcohol	5.885	43	367025	973.64	ug/L	97
51) TAME	6.104	73	571737	47.77	ug/L	98
52) n-Heptane	6.360	43	239974	35.01	ug/L	99
53) 1-Butanol	6.854	56	457113	2434.73	ug/L	90
54) Trichloroethene	6.824	130	207128	40.91	ug/L	96
55) Methylcyclohexane	7.061	55	289687	46.30	ug/L	97
56) 1,2-Dicloropropane	7.098	63	244983	48.36	ug/L	95
57) Dibromomethane	7.244	93	170426	45.98	ug/L	98
58) 1,4-Dioxane	7.311	88	90005	881.83	ug/L	99
59) Methyl Methacrylate	7.336	69	194951	50.05	ug/L	97
60) Bromodichloromethane	7.476	83	305498	47.11	ug/L	97
61) 2-Nitropropane	7.756	41	159827	97.76	ug/L	100
62) 2-Chloroethylvinyl Ether	7.884	63	165227	50.24	ug/L	96
63) cis-1,3-Dichloropropene	8.018	75	312318	48.71	ug/L	97
64) 4-Methyl-2-pentanone	8.226	43	433756	51.51	ug/L	100
66) Toluene	8.390	91	907116	42.77	ug/L	99
67) trans-1,3-Dichloropropene	8.665	75	260475	50.60	ug/L	96
68) Ethyl Methacrylate	8.805	69	342315	52.50	ug/L	96
69) 1,1,2-Trichloroethane	8.847	97	244424	49.98	ug/L	95
72) Tetrachloroethene	8.988	164	136323	36.94	ug/L	97
73) 2-Hexanone	9.140	43	309471	50.66	ug/L	97
74) 1,3-Dichloropropane	9.018	76	404191	48.20	ug/L	95
75) Dibromochloromethane	9.244	129	248285	49.29	ug/L	98
76) N-Butyl Acetate	9.299	43	617263	52.61	ug/L	99
77) 1,2-Dibromoethane	9.341	107	247800	51.06	ug/L	96
78) 3-Chlorobenzotrifluoride	9.853	180	288436	42.97	ug/L	96
79) Chlorobenzene	9.835	112	621142	45.85	ug/L	98
80) 4-Chlorobenzotrifluoride	9.908	180	266111	44.38	ug/L	99
81) 1,1,1,2-Tetrachloroethane	9.920	131	203352	46.28	ug/L	97
82) Ethylbenzene	9.957	106	298208	41.89	ug/L	97
83) (m+p)Xylene	10.067	106	728081	82.27	ug/L	96
84) o-Xylene	10.426	106	379131	43.53	ug/L	100
85) Styrene	10.439	104	685242	47.56	ug/L	99
86) Bromoform	10.591	173	140110	50.85	ug/L	96
87) 2-Chlorobenzotrifluoride	10.670	180	305396	45.20	ug/L	99
88) Isopropylbenzene	10.762	105	836139	40.21	ug/L	96
89) Cyclohexanone	10.823	55	374039	423.02	ug/L	99
90) trans-1,4-Dichloro-2-B...	11.073	53	65993	48.53	ug/L	99
92) 1,1,2,2-Tetrachloroethane	11.018	83	351183	49.08	ug/L	99
93) Bromobenzene	11.006	156	269938	44.01	ug/L	98
94) 1,2,3-Trichloropropane	11.048	110	112312	48.53	ug/L	98
95) n-Propylbenzene	11.115	91	1025046	38.97	ug/L	99
96) 2-Chlorotoluene	11.182	91	679970	42.01	ug/L	97
97) 3-Chlorotoluene	11.231	91	816331	48.86	ug/L	97
98) 4-Chlorotoluene	11.274	91	774866	41.78	ug/L	99
99) 1,3,5-Trimethylbenzene	11.268	105	788034	40.80	ug/L	98
100) tert-Butylbenzene	11.542	119	617799	39.31	ug/L	100
101) 1,2,4-Trimethylbenzene	11.579	105	789323	42.13	ug/L	100
102) 3,4-Dichlorobenzotrifl...	11.640	214	213517	40.98	ug/L	95
103) sec-Butylbenzene	11.725	105	866772	38.61	ug/L	99
104) p-Isopropyltoluene	11.847	119	775277	40.87	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5923.D
 Acq On : 19 Sep 2022 10:16 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 20 08:42:39 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
105)	1,3-Dclbenz	11.804	146	474556	44.23	ug/L	98
106)	1,4-Dclbenz	11.877	146	485461	41.35	ug/L	99
107)	2,4-Dichlorobenzotrifl...	11.932	214	196656	42.08	ug/L	97
108)	2,5-Dichlorobenzotrifl...	11.975	214	229856	44.09	ug/L	94
109)	n-Butylbenzene	12.176	91	652486	39.19	ug/L	99
110)	1,2-Dclbenz	12.182	146	503223	45.05	ug/L	98
111)	1,2-Dibromo-3-chloropr...	12.798	157	63338	48.13	ug/L #	80
112)	Trielution Dichlorotol...	12.920	125	1387469	149.05	ug/L	98
113)	1,3,5-Trichlorobenzene	12.975	180	351297	46.08	ug/L	98
114)	Coelution Dichlorotoluene	13.249	125	1047052	103.62	ug/L	99
115)	1,2,4-Tcbenzene	13.456	180	327058	46.47	ug/L	97
116)	Hexachlorobt	13.597	225	87800	36.93	ug/L	98
117)	Naphthalen	13.645	128	1062321	54.43	ug/L	99
118)	1,2,3-Tclbenzene	13.834	180	335399	49.20	ug/L	100
119)	2,4,5-Trichlorotoluene	14.420	159	193312	44.52	ug/L	97

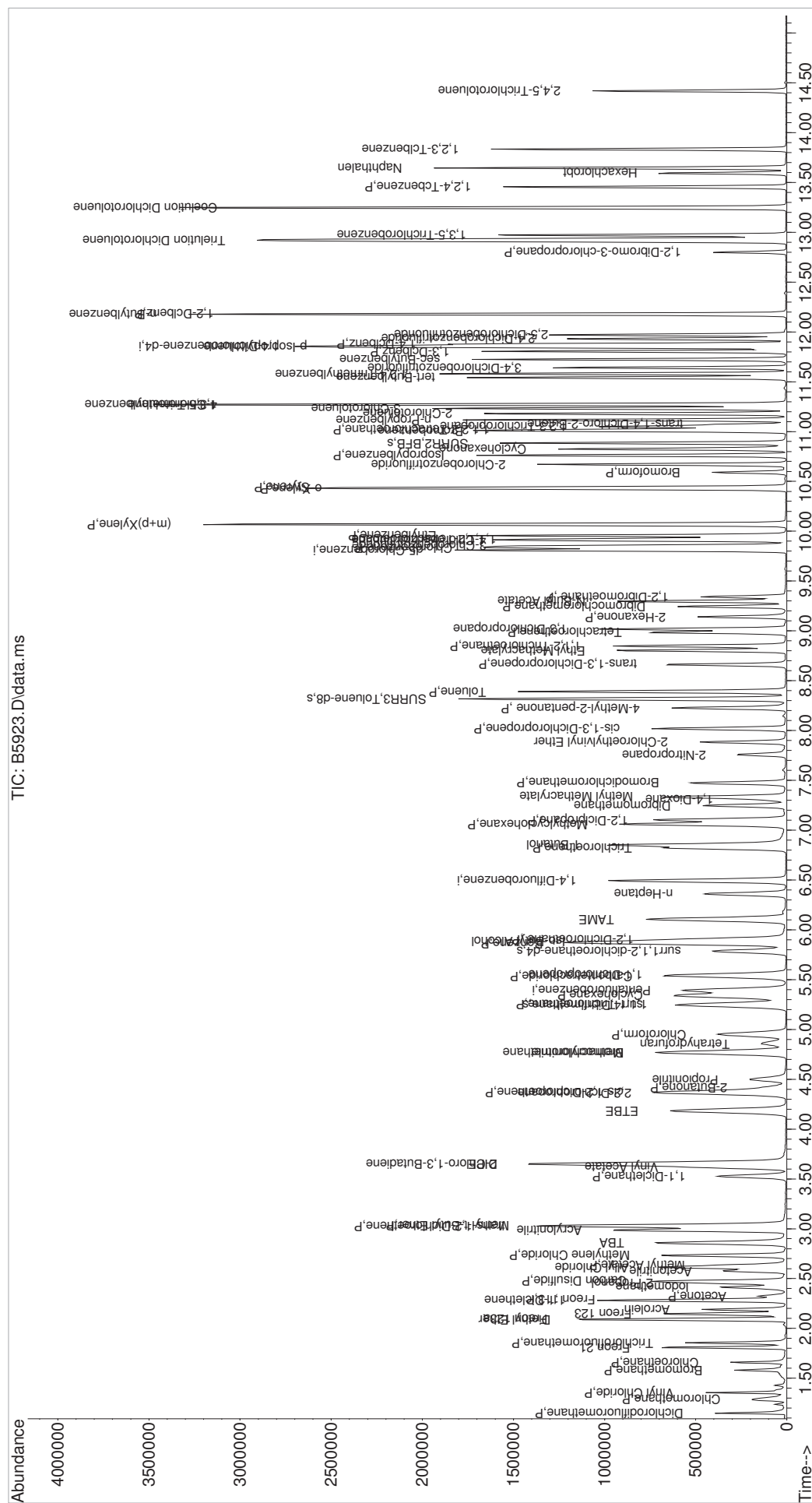
(#) = qualifier out of range (m) = manual integration (+) = signals summed


```
Data Path : I:\ACQUDATA\msvoa10\data\091922\
Data File : B5923.D
Acq On : 19 Sep 2022 10:16 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 31 Sample Multiplier: 1
```

Inst : MSVOA10

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 20 08:42:39 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration

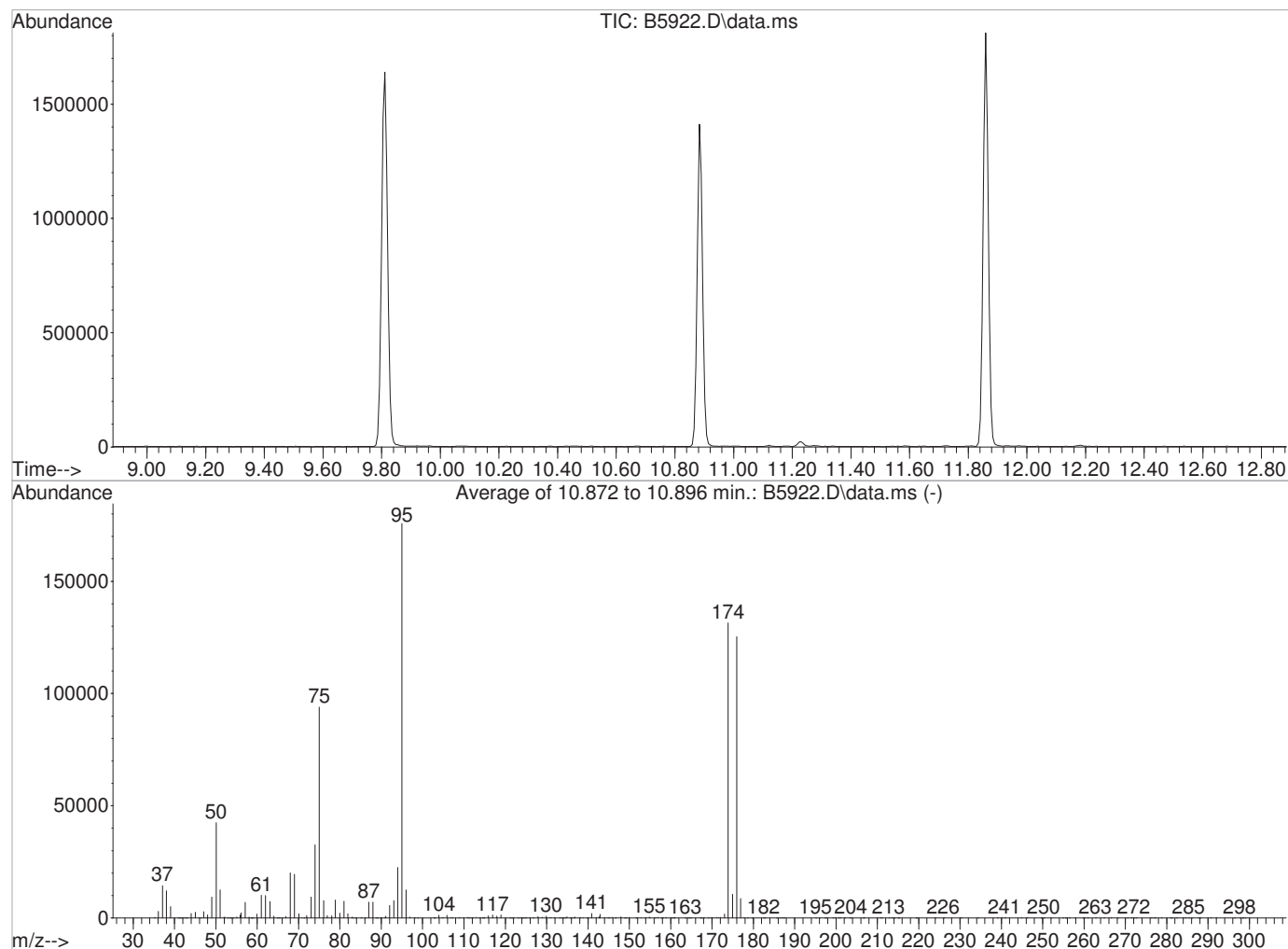


Data Path : I:\ACQUDATA\msvoa10\data\091922\
 Data File : B5922.D
 Acq On : 19 Sep 2022 9:54 pm
 Operator : F.NAEGLER
 Sample : TUNE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Title : MS#10 - 8260B WATERS 5.0mL Purge
 Last Update : Thu Sep 08 14:38:30 2022



Spectrum Information: Average of 10.872 to 10.896 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	42459	PASS
75	95	30	60	53.4	93891	PASS
95	95	100	100	100.0	175750	PASS
96	95	5	9	7.1	12501	PASS
173	174	0.00	2	1.3	1713	PASS
174	95	50	120	74.8	131398	PASS
175	174	5	9	8.0	10483	PASS
176	174	95	101	95.4	125293	PASS
177	176	5	9	6.9	8703	PASS

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5590.D
 Acq On : 8 Sep 2022 2:57 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:10:10 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	435364	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	710919	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	656115	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	339853	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	228102	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	100.34%
47) surr1,1,2-dichloroetha...	5.787	65	289257	49.55	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	99.10%
65) SURR3,Toluene-d8	8.317	98	865875	49.99	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	99.98%
70) SURR2,BFB	10.884	95	327478	50.19	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	100.38%

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.160	51	308295	61.92	ug/L	99
3) Dichlorodifluoromethane	1.148	85	238272	44.74	ug/L	99
4) Chloromethane	1.288	50	280769	48.22	ug/L	100
5) Vinyl Chloride	1.355	62	252560	45.92	ug/L	100
6) Bromomethane	1.575	94	169276	55.96	ug/L	99
7) Chloroethane	1.654	64	163594	44.43	ug/L	96
8) Freon 21	1.806	67	378377	43.85	ug/L	96
9) Trichlorofluoromethane	1.855	101	356840	50.54	ug/L	98
10) Diethyl Ether	2.087	59	217176	51.48	ug/L	98
11) Freon 123a	2.093	67	263261	49.45	ug/L	99
12) Freon 123	2.148	83	294027	50.40	ug/L	96
13) Acrolein	2.190	56	56287	50.37	ug/L	100
14) 1,1-Dicethene	2.282	96	208712	54.02	ug/L	97
15) Freon 113	2.282	101	210601	50.17	ug/L	99
16) Acetone	2.325	43	130305	50.63	ug/L	99
17) 2-Propanol	2.459	45	448945	966.50	ug/L	99
18) Iodomethane	2.416	142	286036	48.75	ug/L	95
19) Carbon Disulfide	2.477	76	534184	47.21	ug/L	99
20) Acetonitrile	2.581	41	270573	262.00	ug/L	100
21) Allyl Chloride	2.611	76	112717	54.75	ug/L	93
22) Methyl Acetate	2.635	43	288958	46.37	ug/L	97
23) Methylene Chloride	2.733	84	234485	48.33	ug/L	97
24) TBA	2.861	59	635213	1051.51	ug/L	100
25) Acrylonitrile	2.989	53	651561	260.64	ug/L	100
26) Methyl-t-Butyl Ether	3.032	73	710723	53.44	ug/L	98
27) trans-1,2-Dichloroethene	3.026	96	216080	50.81	ug/L #	87
28) 1,1-Dicethane	3.525	63	430940	54.39	ug/L	99
29) Vinyl Acetate	3.623	86	37528	44.73	ug/L #	92
30) DIPE	3.654	45	913993	52.77	ug/L	95
31) 2-Chloro-1,3-Butadiene	3.654	53	382264	50.93	ug/L	95
32) ETBE	4.184	59	606671	50.03	ug/L	98
33) 2,2-Dichloropropane	4.367	77	234920	56.55	ug/L	92
34) cis-1,2-Dichloroethene	4.373	96	250602	50.50	ug/L	100
35) 2-Butanone	4.422	43	201782	46.86	ug/L	98
36) Propionitrile	4.495	54	263453	271.52	ug/L	95
37) Bromochloromethane	4.763	130	167838	51.31	ug/L	98
38) Methacrylonitrile	4.769	67	126174	53.02	ug/L	90
39) Tetrahydrofuran	4.861	42	129268	49.49	ug/L	99
40) Chloroform	4.952	83	412748	50.39	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5590.D
 Acq On : 8 Sep 2022 2:57 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:10:10 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.251	97	319994	53.59	ug/L	98
43) Cyclohexane	5.336	41	294393	52.72	ug/L	96
45) Carbontetrachloride	5.537	117	256298	54.09	ug/L	95
46) 1,1-Dichloropropene	5.543	75	287134	51.92	ug/L	98
48) Benzene	5.866	78	886469	53.10	ug/L	99
49) 1,2-Dichloroethane	5.903	62	372750	54.60	ug/L	96
50) Iso-Butyl Alcohol	5.885	43	368731	1113.88	ug/L	89
51) TAME	6.110	73	586723	55.83	ug/L	97
52) n-Heptane	6.360	43	334150	55.52	ug/L	96
53) 1-Butanol	6.854	56	428011	2579.16	ug/L	96
54) Trichloroethene	6.824	130	235171	52.89	ug/L	97
55) Methylcyclohexane	7.061	55	291418	53.04	ug/L	95
56) 1,2-Diclpropane	7.104	63	239826	53.91	ug/L	97
57) Dibromomethane	7.250	93	169907	52.20	ug/L	98
58) 1,4-Dioxane	7.305	88	88199	984.02	ug/L	92
59) Methyl Methacrylate	7.336	69	195638	57.19	ug/L	97
60) Bromodichloromethane	7.476	83	302307	53.08	ug/L	97
61) 2-Nitropropane	7.756	41	132166	92.06	ug/L	98
62) 2-Chloroethylvinyl Ether	7.884	63	89467	30.98	ug/L	93
63) cis-1,3-Dichloropropene	8.019	75	330107	58.62	ug/L	95
64) 4-Methyl-2-pentanone	8.226	43	392620	53.09	ug/L	99
66) Toluene	8.390	91	967653	51.96	ug/L	97
67) trans-1,3-Dichloropropene	8.659	75	289917	62.18	ug/L	100
68) Ethyl Methacrylate	8.805	69	340328	59.44	ug/L	95
69) 1,1,2-Trichloroethane	8.848	97	228058	53.10	ug/L	97
72) Tetrachloroethene	8.988	164	169130	51.25	ug/L	97
73) 2-Hexanone	9.140	43	282314	51.68	ug/L	98
74) 1,3-Dichloropropane	9.018	76	394002	52.54	ug/L	98
75) Dibromochloromethane	9.244	129	231613	51.42	ug/L	94
76) N-Butyl Acetate	9.299	43	560065	53.38	ug/L	97
77) 1,2-Dibromoethane	9.341	107	237617	54.75	ug/L	94
78) 3-Chlorobenzotrifluoride	9.854	180	288456	48.05	ug/L	98
79) Chlorobenzene	9.835	112	640515	52.88	ug/L	100
80) 4-Chlorobenzotrifluoride	9.908	180	263777	49.19	ug/L	98
81) 1,1,1,2-Tetrachloroethane	9.927	131	207447	52.50	ug/L	95
82) Ethylbenzene	9.957	106	338034	53.10	ug/L	98
83) (m+p)Xylene	10.067	106	837781	105.86	ug/L	98
84) o-Xylene	10.427	106	421719	54.14	ug/L	98
85) Styrene	10.439	104	733211	56.90	ug/L	98
86) Bromoform	10.591	173	145430	58.18	ug/L	100
87) 2-Chlorobenzotrifluoride	10.670	180	297120	49.17	ug/L	97
88) Isopropylbenzene	10.762	105	1064979	57.28	ug/L	98
89) Cyclohexanone	10.823	55	1200955	1518.83	ug/L	99
90) trans-1,4-Dichloro-2-B...	11.067	53	79131	64.16	ug/L	96
92) 1,1,2,2-Tetrachloroethane	11.018	83	338417	51.76	ug/L	97
93) Bromobenzene	11.006	156	277072	49.43	ug/L	99
94) 1,2,3-Trichloropropane	11.048	110	108623	51.37	ug/L	95
95) n-Propylbenzene	11.115	91	1283075	53.38	ug/L	99
96) 2-Chlorotoluene	11.183	91	773076	52.26	ug/L	96
97) 3-Chlorotoluene	11.231	91	756599	49.55	ug/L	95
98) 4-Chlorotoluene	11.274	91	875154	51.64	ug/L	99
99) 1,3,5-Trimethylbenzene	11.268	105	927692	52.56	ug/L	99
100) tert-Butylbenzene	11.542	119	778628	54.22	ug/L	100
101) 1,2,4-Trimethylbenzene	11.579	105	929338	54.28	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.640	214	223704	46.98	ug/L	99
103) sec-Butylbenzene	11.725	105	1128814	55.03	ug/L	100

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5590.D
 Acq On : 8 Sep 2022 2:57 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:10:10 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	960180	55.39	ug/L	100
105) 1,3-Dclbenz	11.804	146	532600	54.32	ug/L	97
106) 1,4-Dclbenz	11.878	146	537190	50.07	ug/L	97
107) 2,4-Dichlorobenzotrifl...	11.932	214	204425	47.87	ug/L	92
108) 2,5-Dichlorobenzotrifl...	11.975	214	226431	47.53	ug/L	95
109) n-Butylbenzene	12.176	91	846670	55.65	ug/L	98
110) 1,2-Dclbenz	12.182	146	524406	51.38	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.804	157	63519	52.82	ug/L	91
112) Trielution Dichlorotol...	12.920	125	1273172	149.67	ug/L	94
113) 1,3,5-Trichlorobenzene	12.975	180	334980	48.09	ug/L	99
114) Coelution Dichlorotoluene	13.249	125	918022	99.41	ug/L	99
115) 1,2,4-Tcbenzene	13.456	180	327226	50.88	ug/L	95
116) Hexachlorobt	13.597	225	116189	53.05	ug/L	96
117) Naphthalen	13.645	128	1004526	56.33	ug/L	99
118) 1,2,3-Tclbenzene	13.834	180	315244	50.60	ug/L	99
119) 2,4,5-Trichlorotoluene	14.420	159	185462	46.69	ug/L	96
120) 2,3,6-Trichlorotoluene	14.505	159	154679	47.60	ug/L	92

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

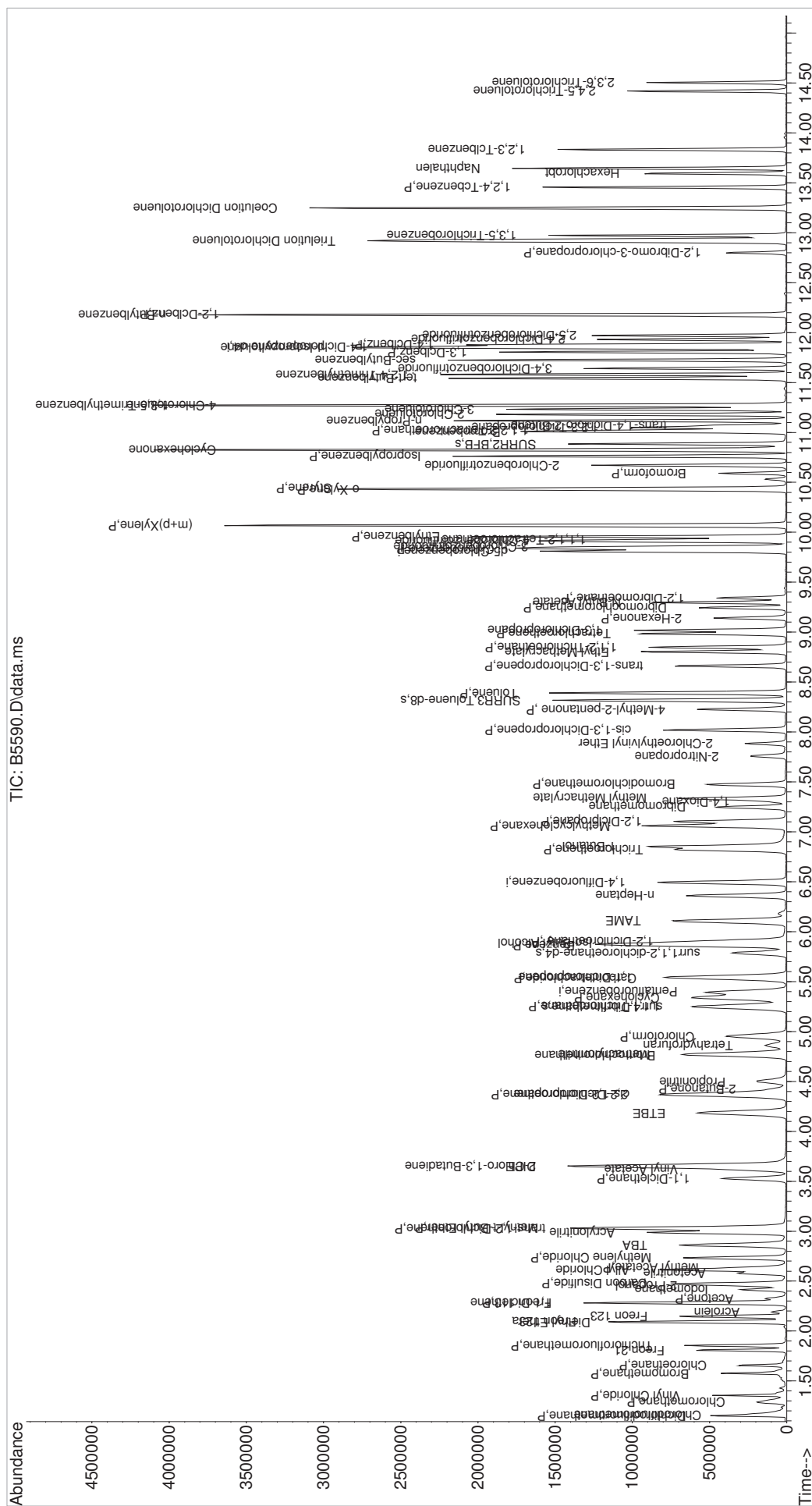
Quantitation Report (QT Reviewed)

```
Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5590.D
Acq On : 8 Sep 2022 2:57 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1
```

Inst : MSVOA10

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 16:10:10 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration

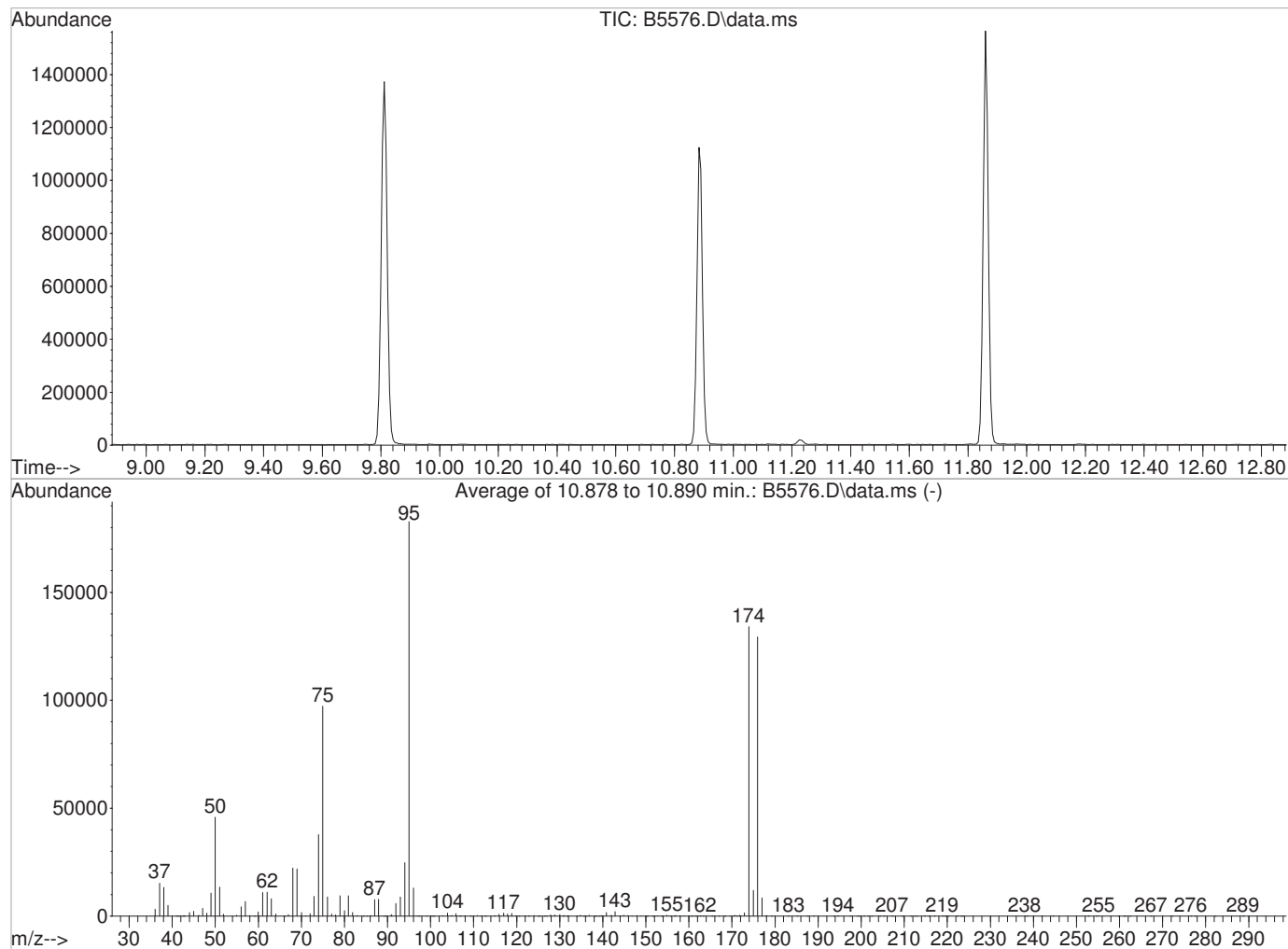


Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5576.D
Acq On : 8 Sep 2022 9:39 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Jul 21 10:00:08 2022



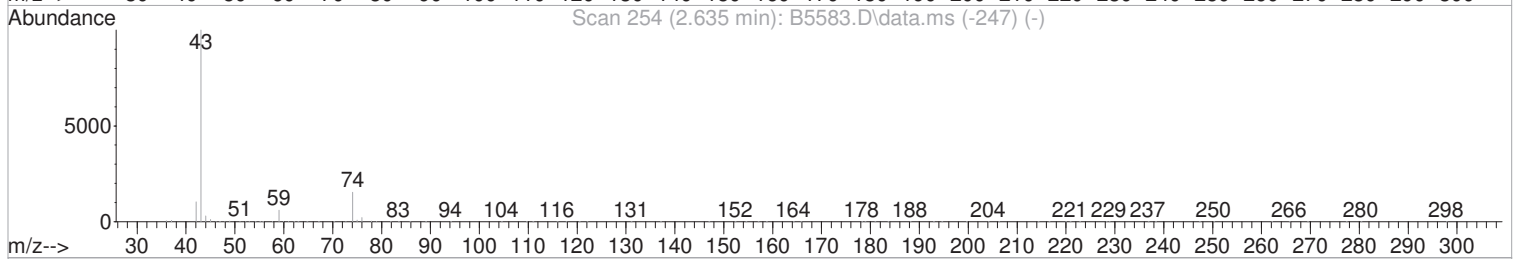
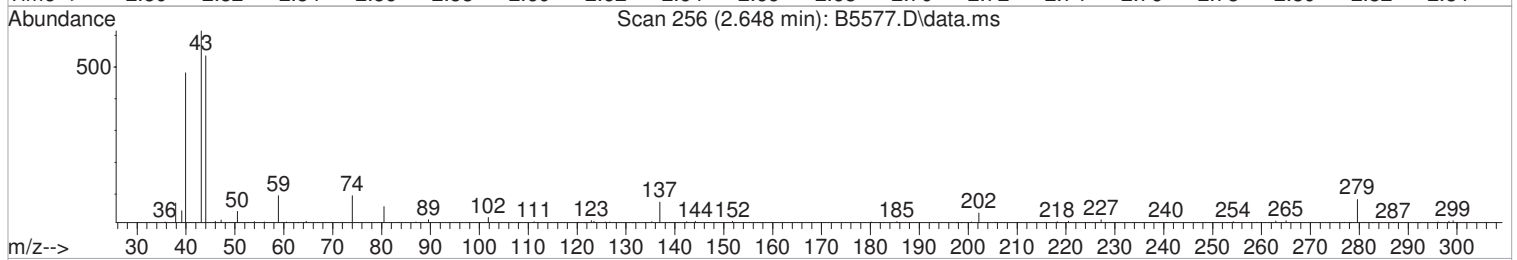
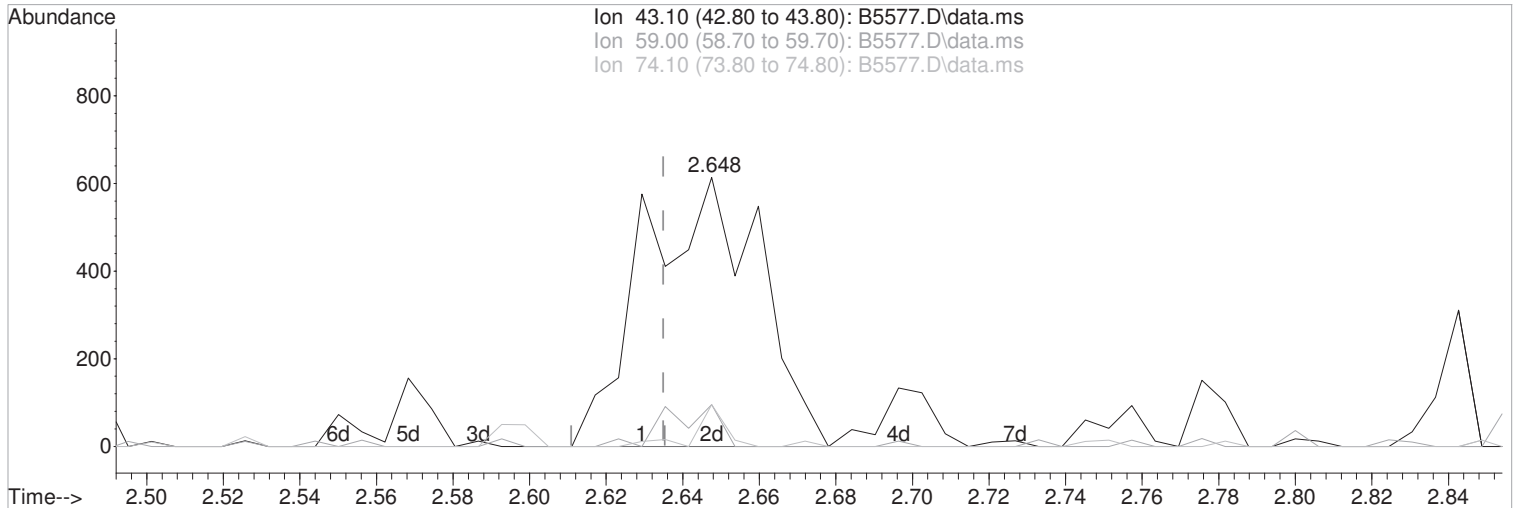
AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1599

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	45848	PASS
75	95	30	60	53.3	97312	PASS
95	95	100	100	100.0	182720	PASS
96	95	5	9	7.1	12980	PASS
173	174	0.00	2	1.2	1559	PASS
174	95	50	120	73.4	134051	PASS
175	174	5	9	8.9	11896	PASS
176	174	95	101	96.5	129317	PASS
177	176	5	9	6.5	8447	PASS

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5577.D
Acq On : 8 Sep 2022 10:13 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:58:02 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5577.D\data.ms

(22) Methyl Acetate (P)

2.648min (+0.013) 0.22 ug/L m

response 1302

Ion	Exp%	Act%
43.10	100	100
59.00	6.10	15.47
74.10	15.30	15.47
0.00	0.00	0.00

Manual Integration:

After

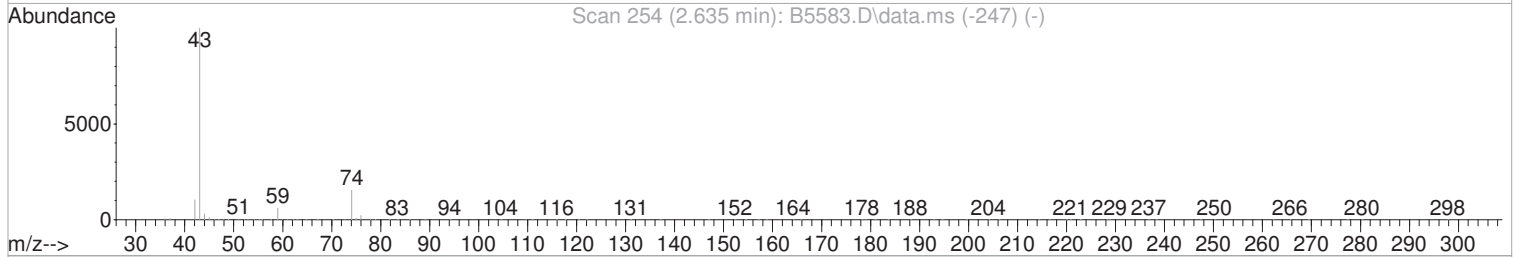
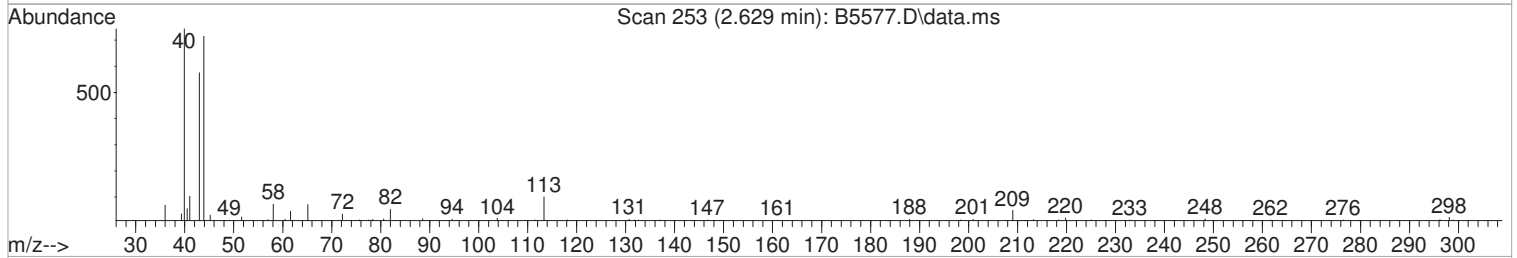
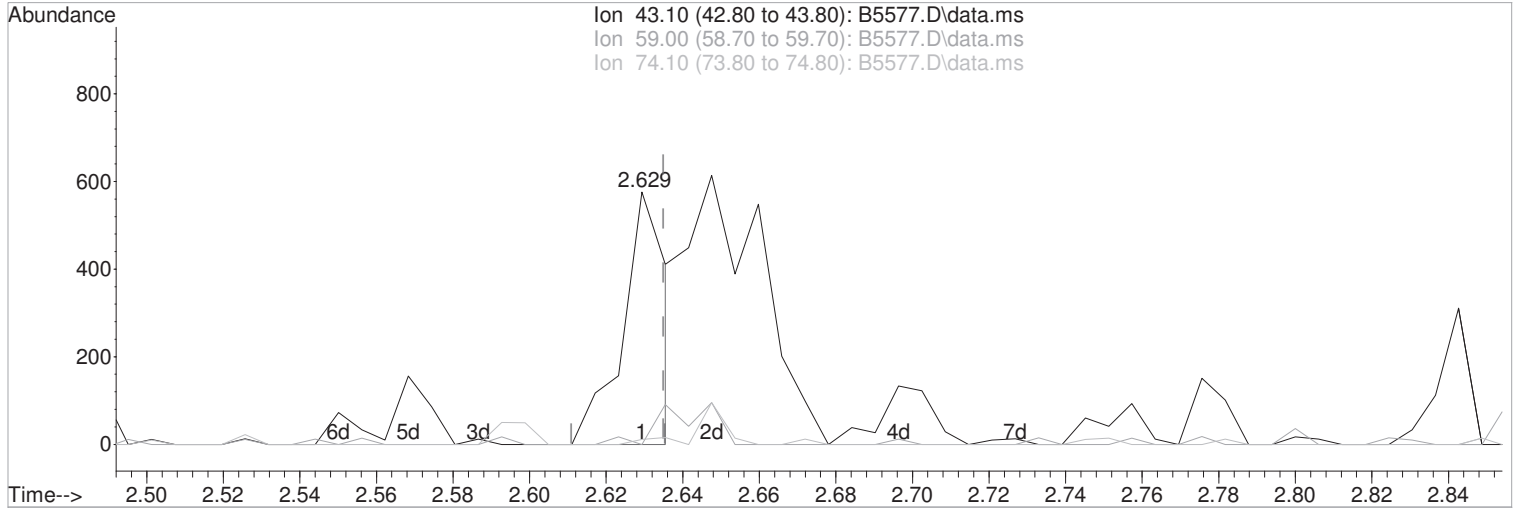
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5577.D
Acq On : 8 Sep 2022 10:13 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:58:02 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5577.D\data.ms

(22) Methyl Acetate (P)

Manual Integration:

2.629min (-0.006) 0.08 ug/L

Before

response 461

Ion	Exp%	Act%
43.10	100	100
59.00	6.10	0.00
74.10	15.30	1.91
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5577.D
 Acq On : 8 Sep 2022 10:13 am
 Operator : F.NAEGLER
 Sample : ICALBLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:58:37 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

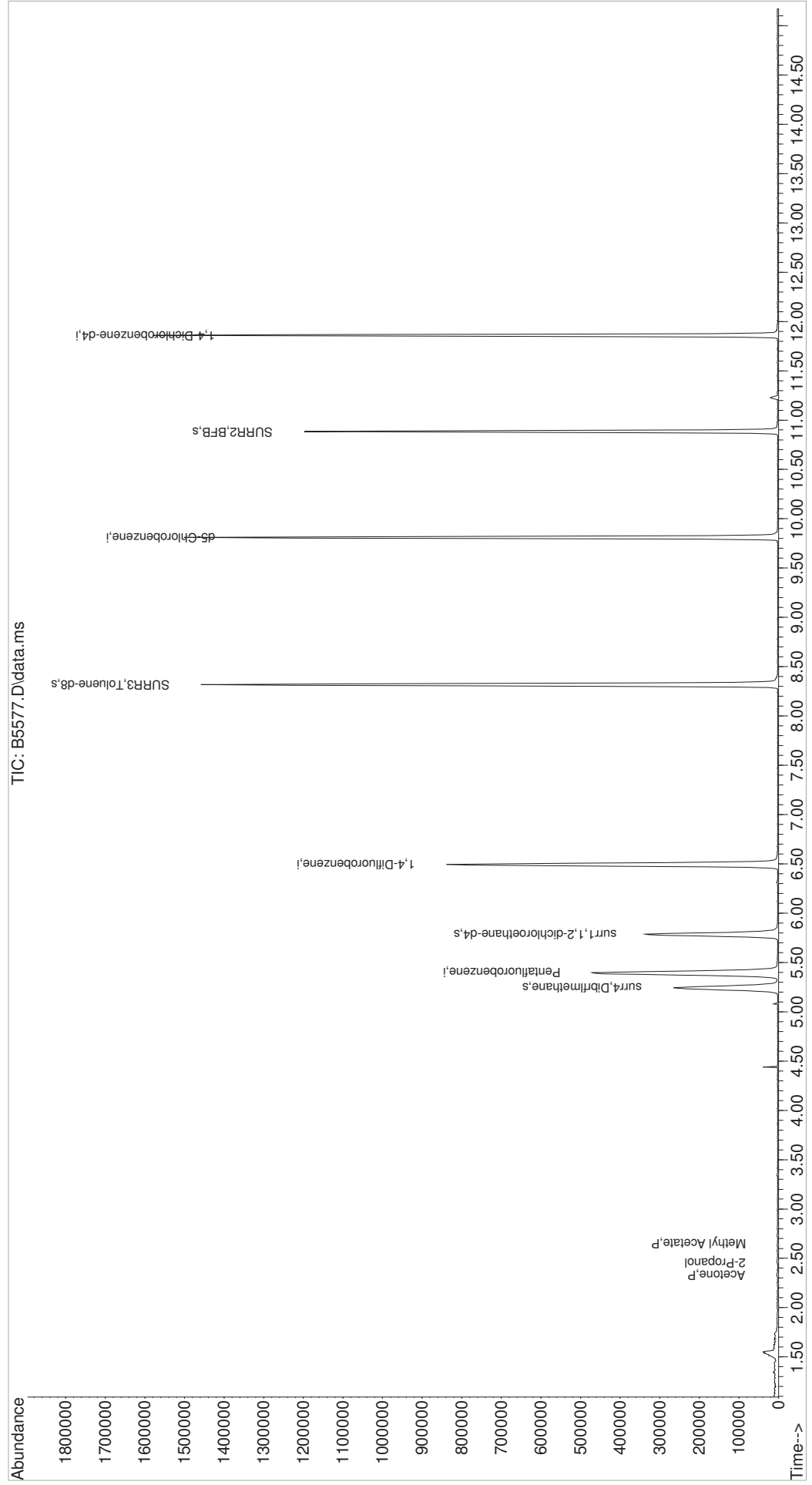
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

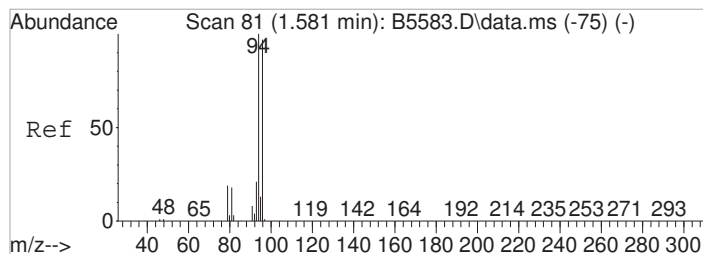
Internal Standards						
1) Pentafluorobenzene	5.397	168	409608	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	691474	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	617489	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	274380	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	214127	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	96.84%
47) surr1,1,2-dichloroetha...	5.781	65	281086	49.51	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	99.02%
65) SURR3,Toluene-d8	8.317	98	824065	48.91	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	97.82%
70) SURR2,BFB	10.884	95	288154	45.40	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	90.80%
Target Compounds						
6) Bromomethane	1.587	94	627	Below Cal	#	64
16) Acetone	2.331	43	1780	0.74	ug/L	78
17) 2-Propanol	2.459	45	590	1.35	ug/L	# 1
22) Methyl Acetate	2.648	43	1302m	0.22	ug/L	

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

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5577.D
 Acq On : 8 Sep 2022 10:13 am
 Operator : F.NAEGLER
 Sample : ICALBLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 Inst : MSVOA10

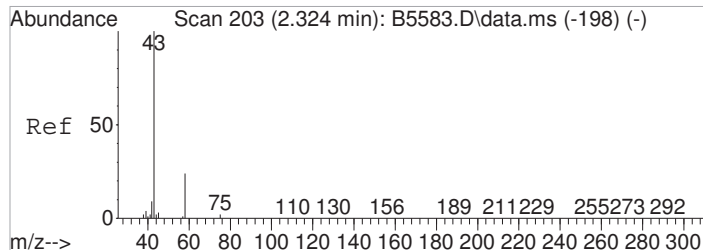
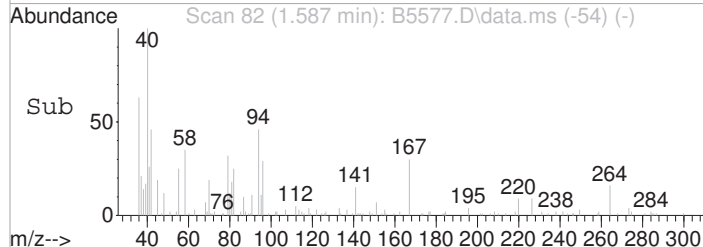
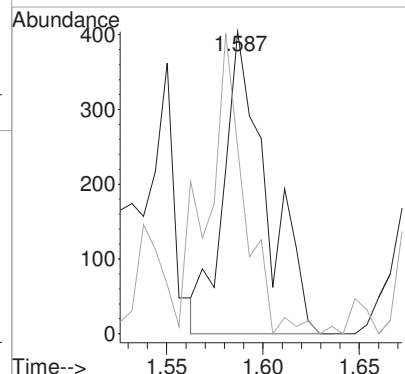
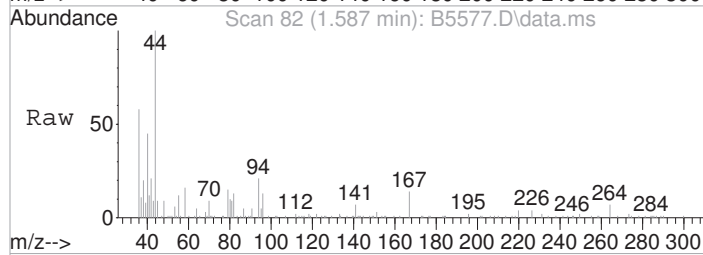
Quant Time: Sep 08 16:58:37 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





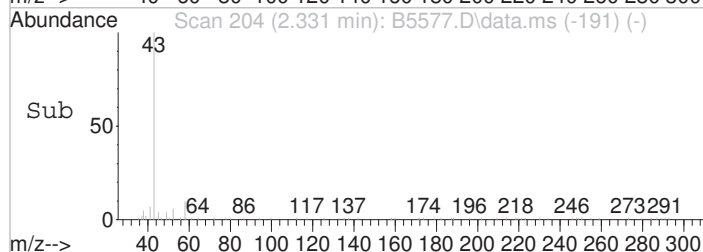
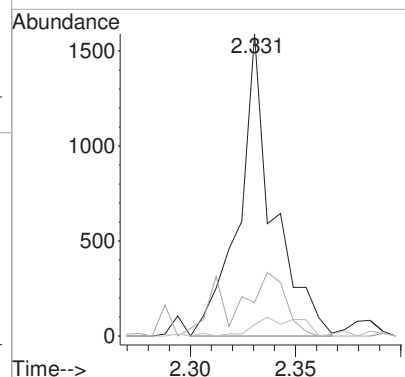
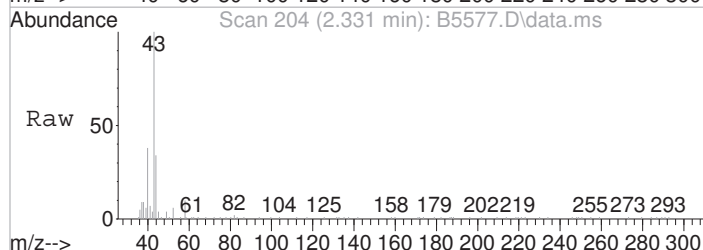
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: B5577.D
 Acq: 8 Sep 2022 10:13 am

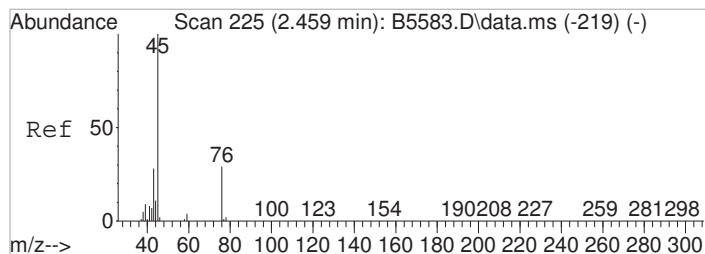
Tgt Ion: 94 Resp: 627
 Ion Ratio Lower Upper
 94 100
 96 61.9 77.0 117.0#



#16
 Acetone
 Concen: 0.74 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5577.D
 Acq: 8 Sep 2022 10:13 am

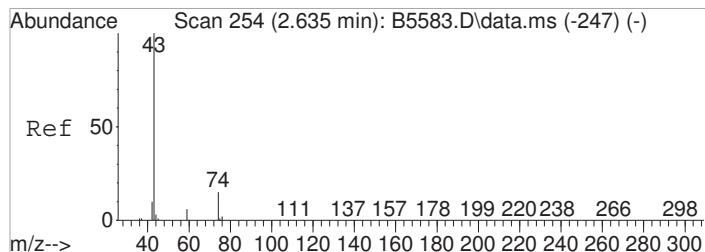
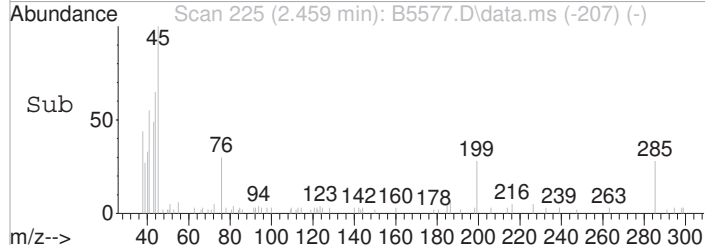
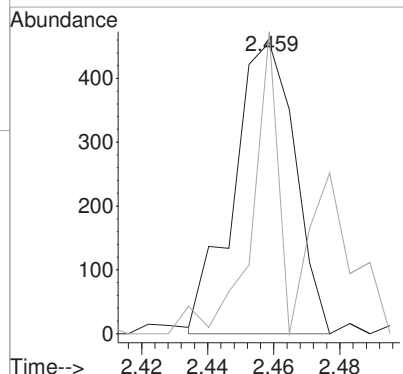
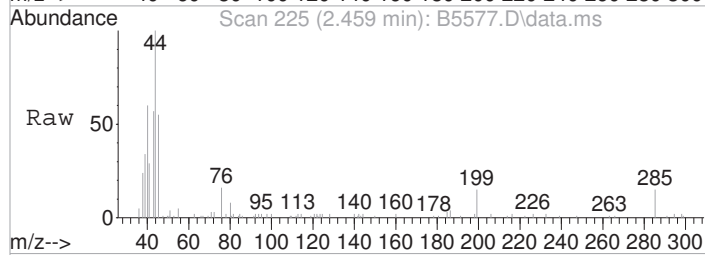
Tgt Ion: 43 Resp: 1780
 Ion Ratio Lower Upper
 43 100
 58 11.1 3.7 43.7
 42 3.8 0.0 28.6





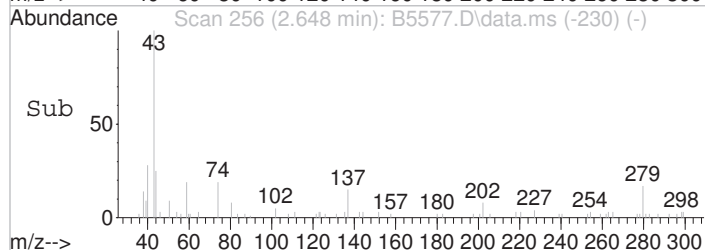
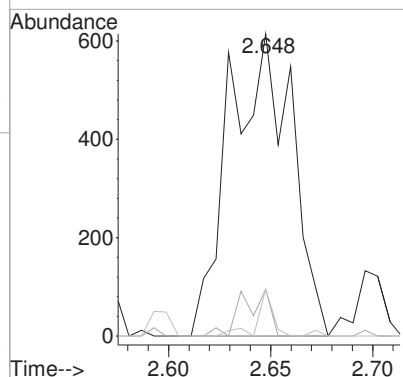
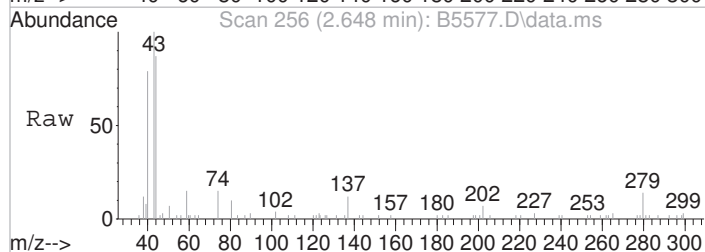
#17
 2-Propanol
 Concen: 1.35 ug/L
 RT: 2.459 min Scan# 225
 Delta R.T. 0.000 min
 Lab File: B5577.D
 Acq: 8 Sep 2022 10:13 am

Tgt Ion: 45 Resp: 590
 Ion Ratio Lower Upper
 45 100
 43 103.7 8.4 48.4#



#22
 Methyl Acetate
 Concen: 0.22 ug/L m
 RT: 2.648 min Scan# 256
 Delta R.T. 0.013 min
 Lab File: B5577.D
 Acq: 8 Sep 2022 10:13 am

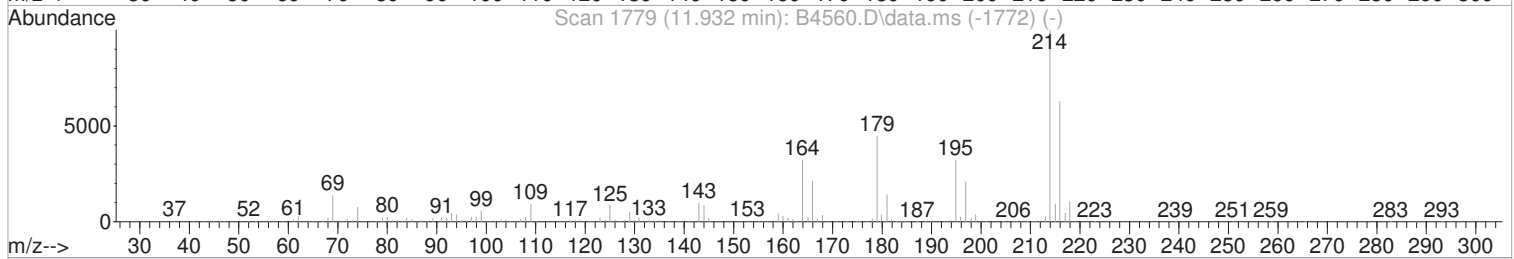
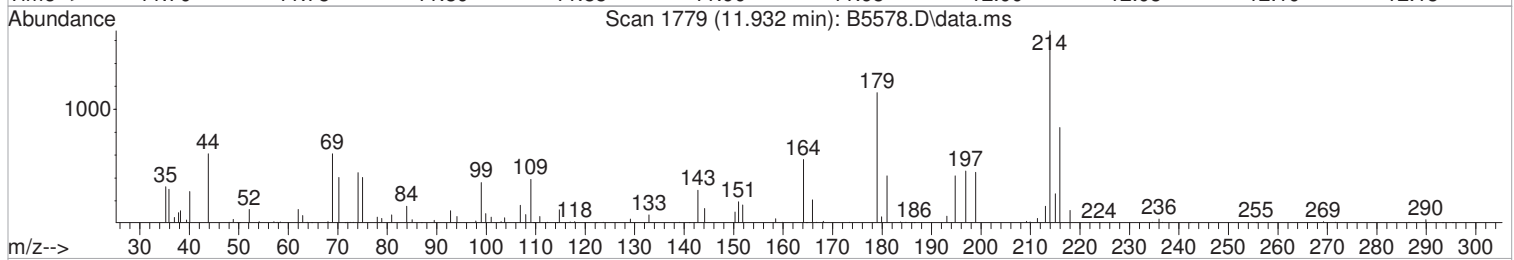
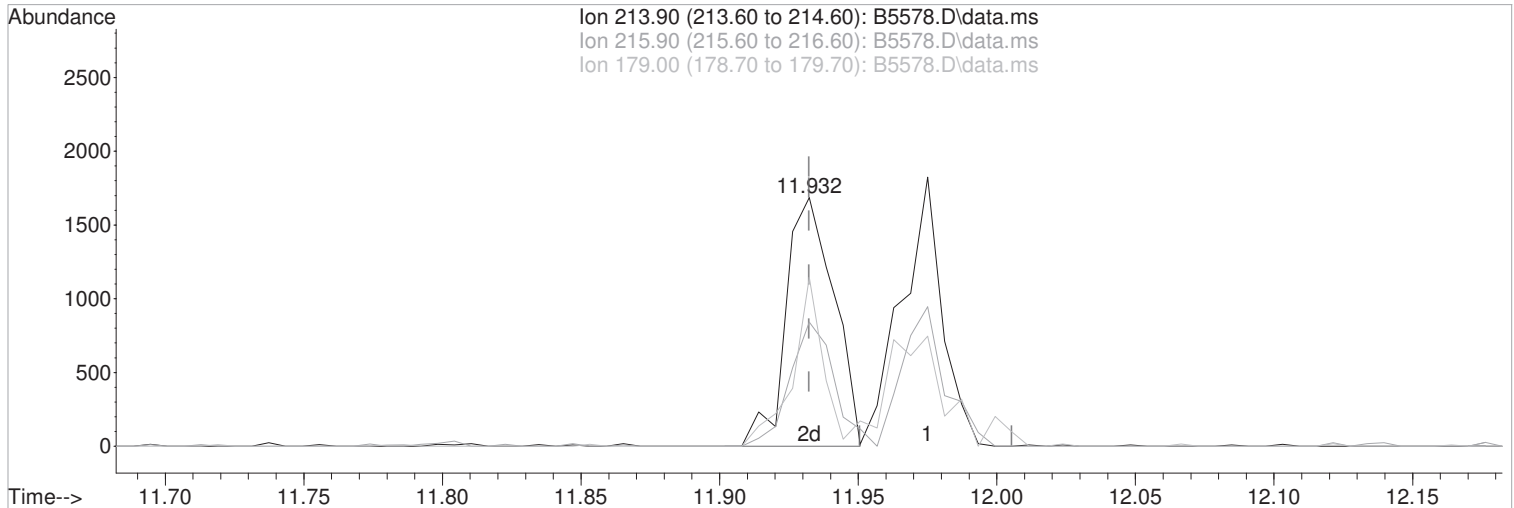
Tgt Ion: 43 Resp: 1302
 Ion Ratio Lower Upper
 43 100
 59 15.5 0.0 26.1
 74 15.5 0.0 35.3



Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(107) 2,4-Dichlorobenzotrifluoride

11.932min (+0.000) 0.58 ug/L m

response 2032

Ion	Exp%	Act%

213.90	100	100

215.90	62.70	49.91

179.00	44.60	68.01#

0.00	0.00	0.00

Manual Integration:

After

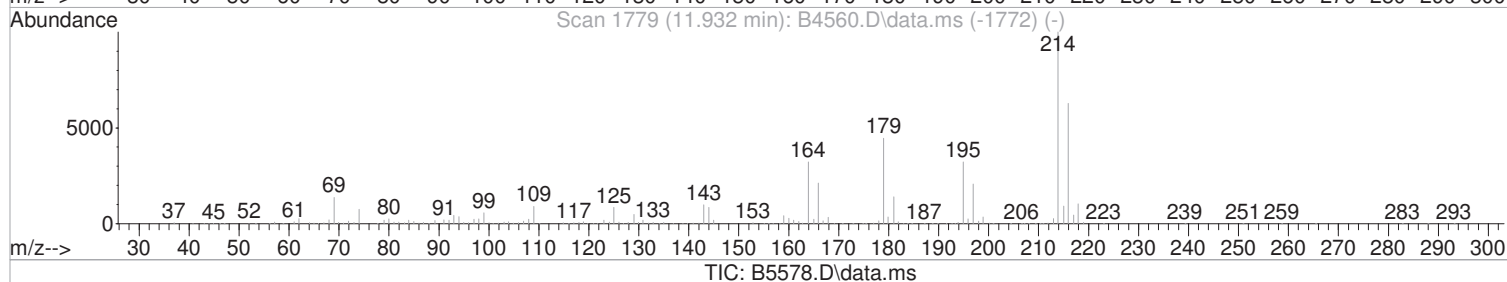
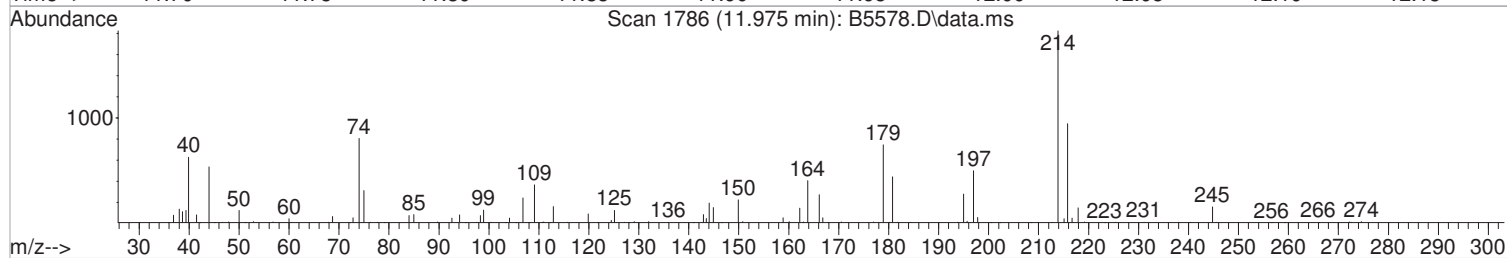
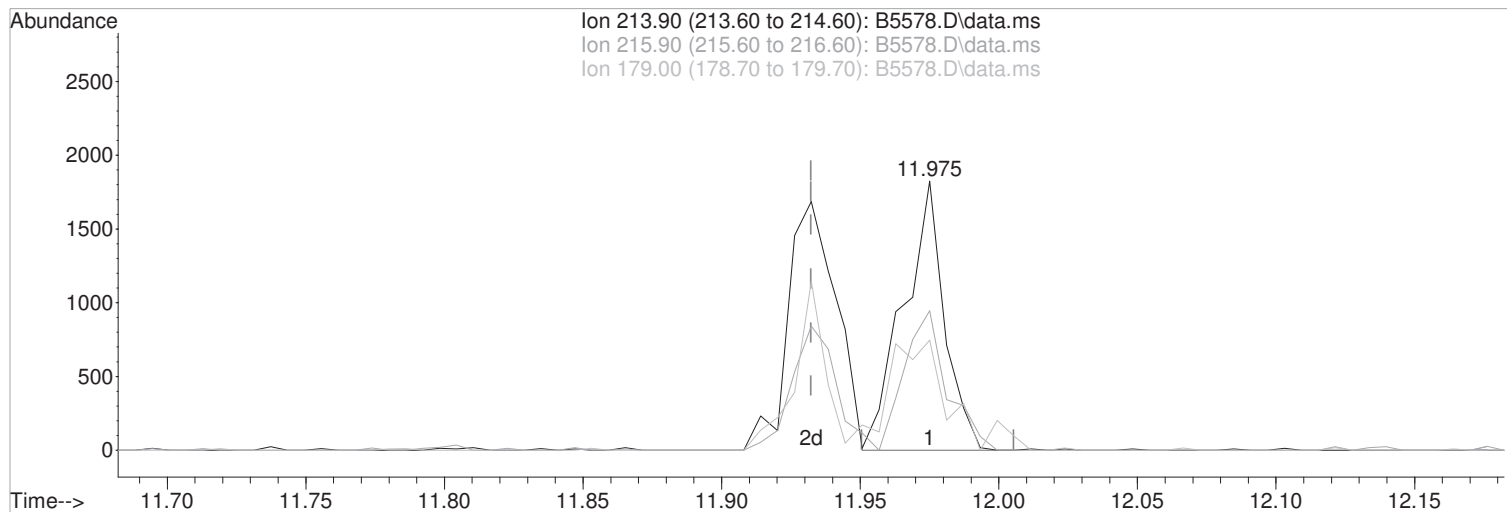
Wrong peak selected.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



(107) 2,4-Dichlorobenzotrifluoride

Manual Integration:

11.975min (+0.043) 0.53 ug/L

Before

response 1862

Ion	Exp%	Act%

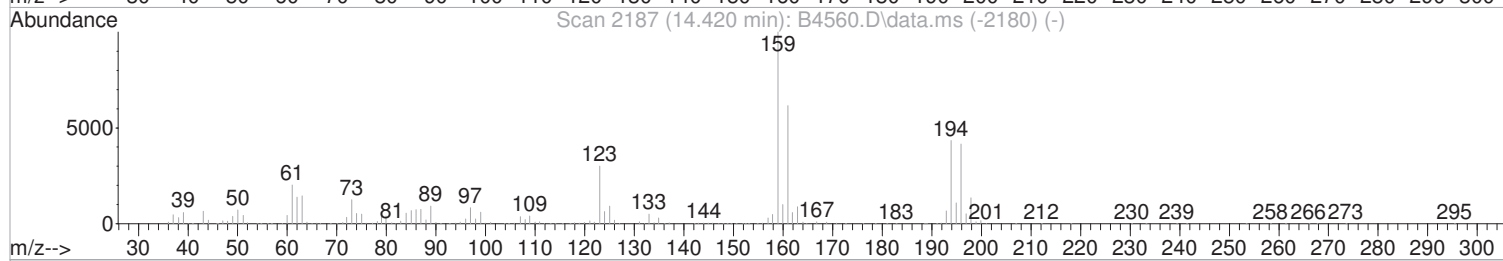
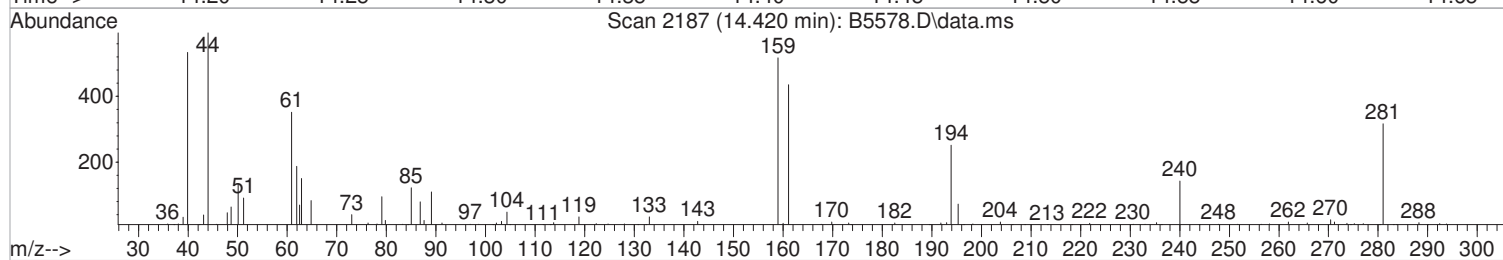
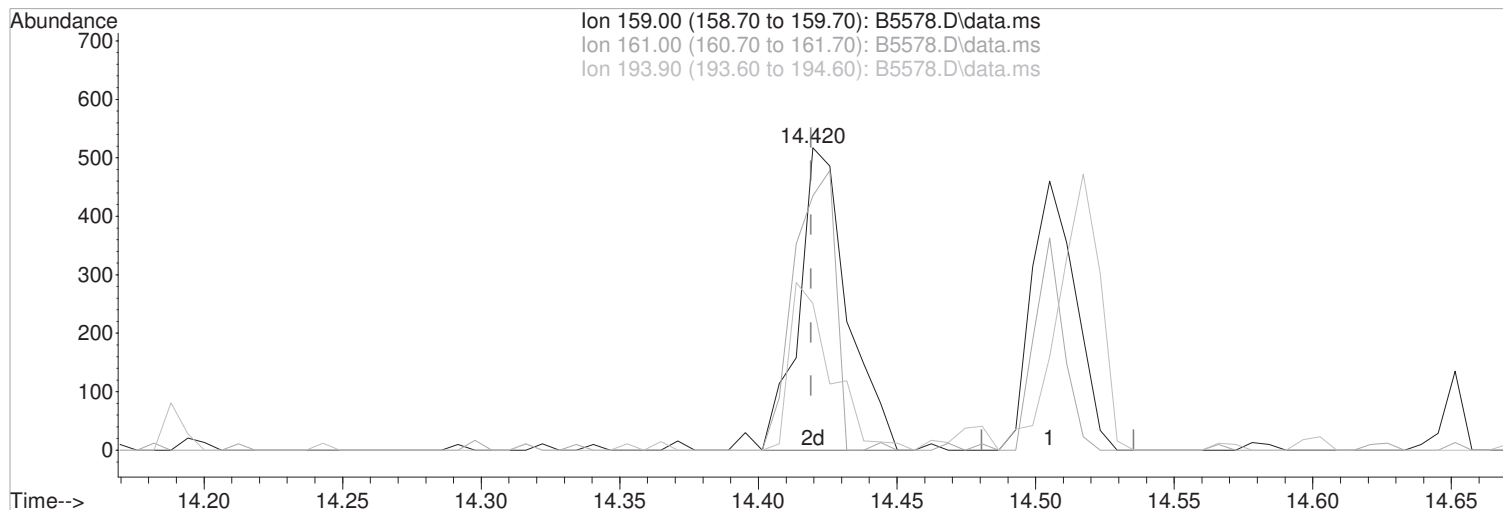
09/08/22

213.90	100	100
215.90	62.70	51.86
179.00	44.60	40.95
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(119) 2,4,5-Trichlorotoluene

14.420min (+0.001) 0.23 ug/L m

response 630

Ion	Exp%	Act%
159.00	100	100
161.00	61.70	84.14#
193.90	43.40	48.55
0.00	0.00	0.00

Manual Integration:

After

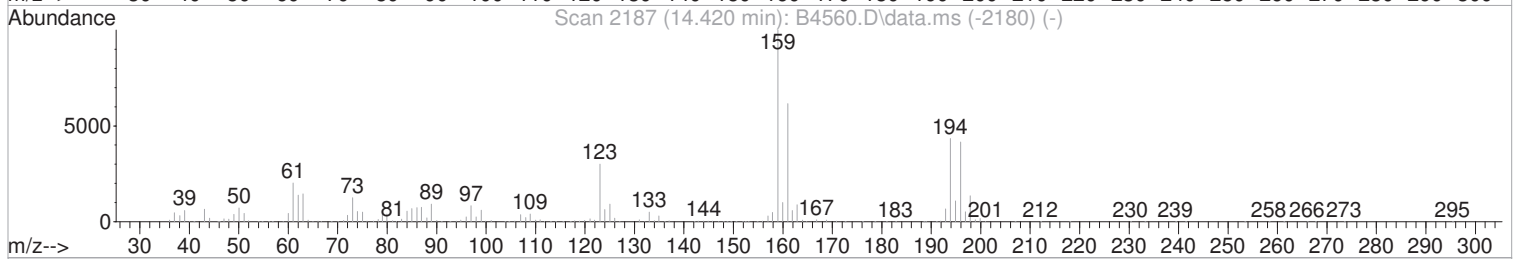
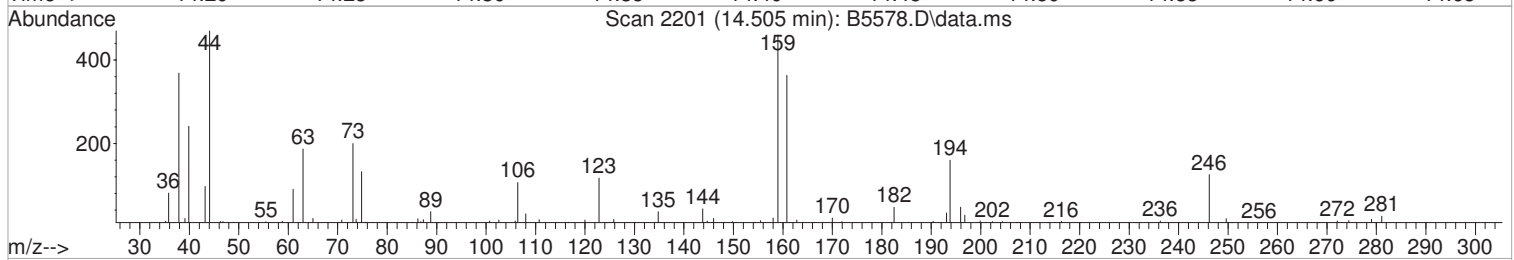
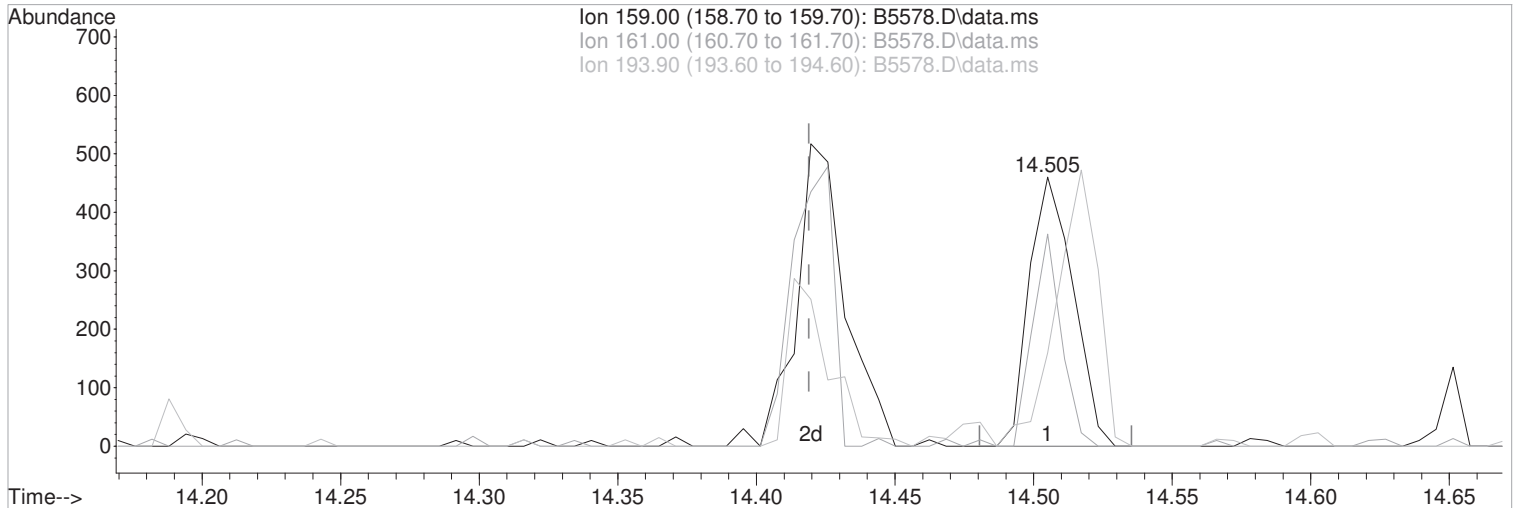
Wrong peak selected.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(119) 2,4,5-Trichlorotoluene

Manual Integration:

14.505min (+0.086) 0.18 ug/L

Before

response 509

Ion	Exp%	Act%

09/08/22

159.00	100	100

161.00	61.70	78.91

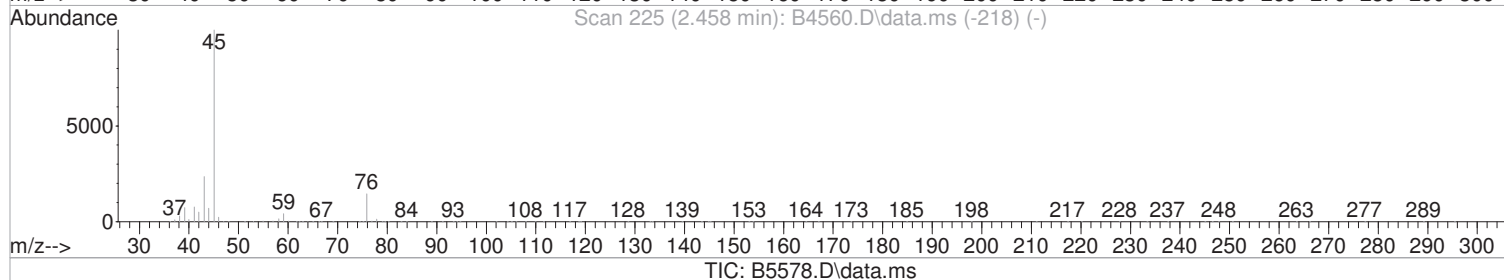
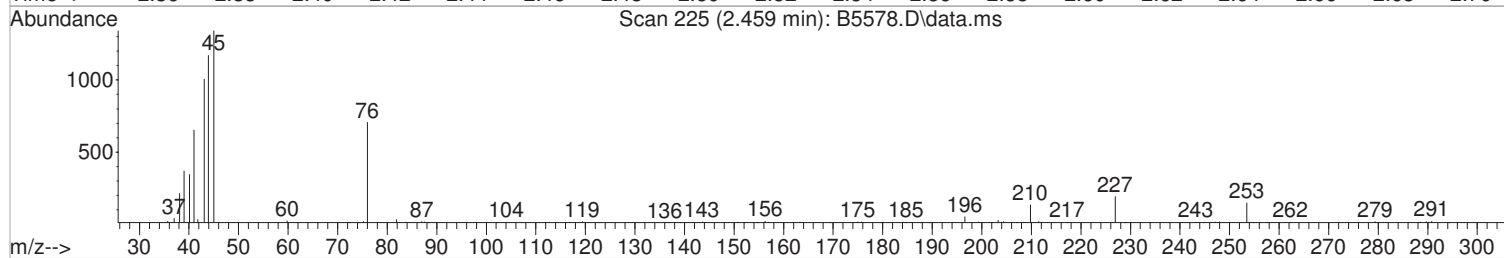
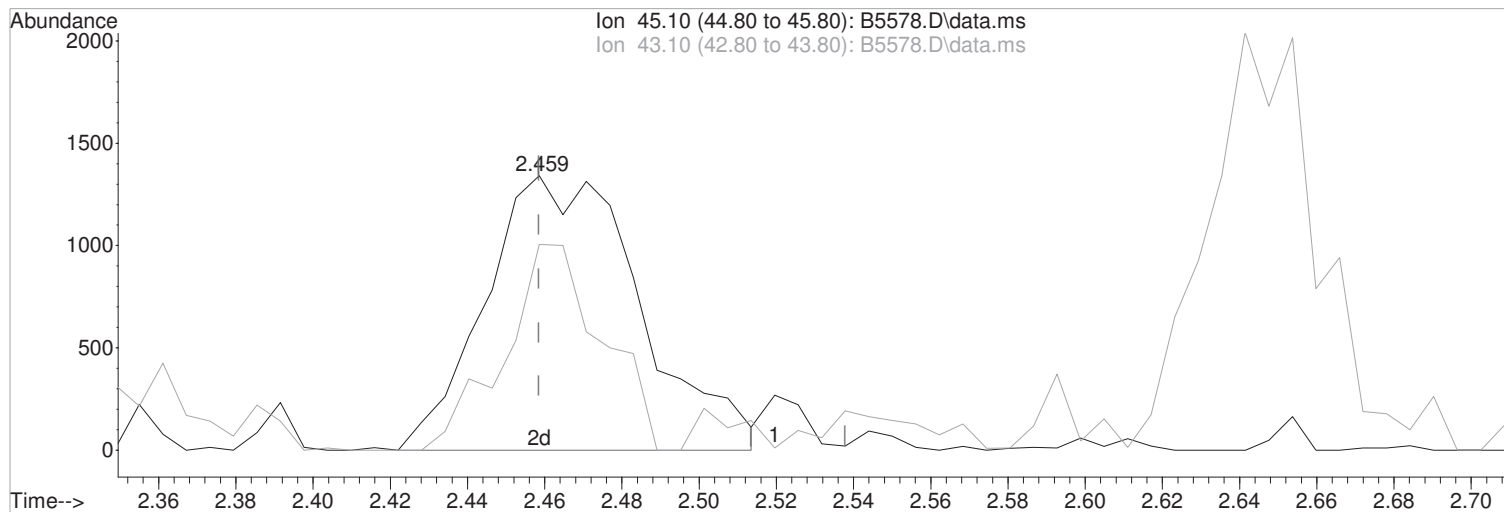
193.90	43.40	34.78

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



(17) 2-Propanol

2.459min (+0.000) 9.04 ug/L m

response 3733

Ion	Exp%	Act%
45.10	100	100
43.10	23.80	75.02#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

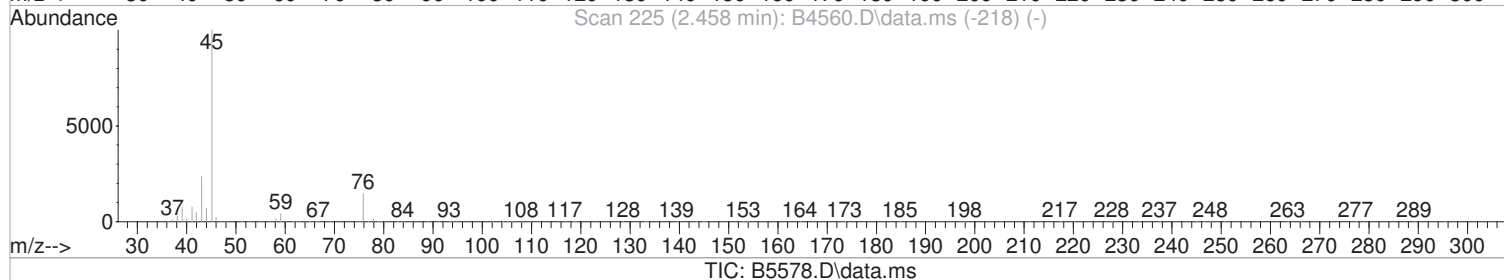
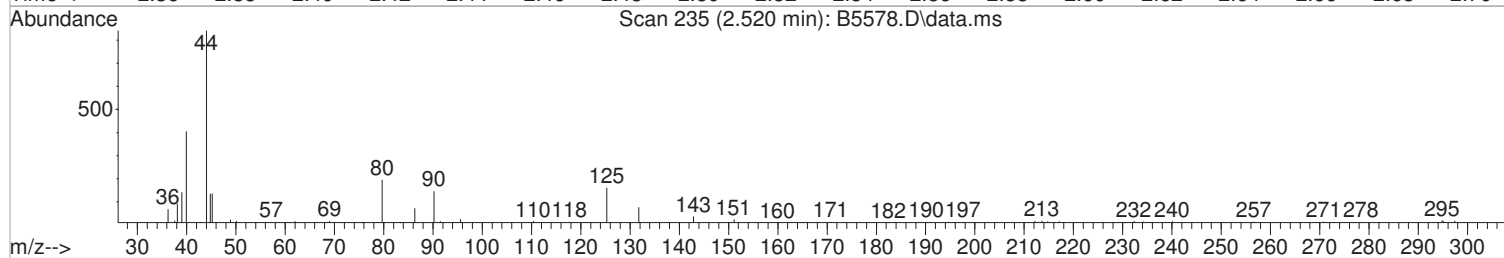
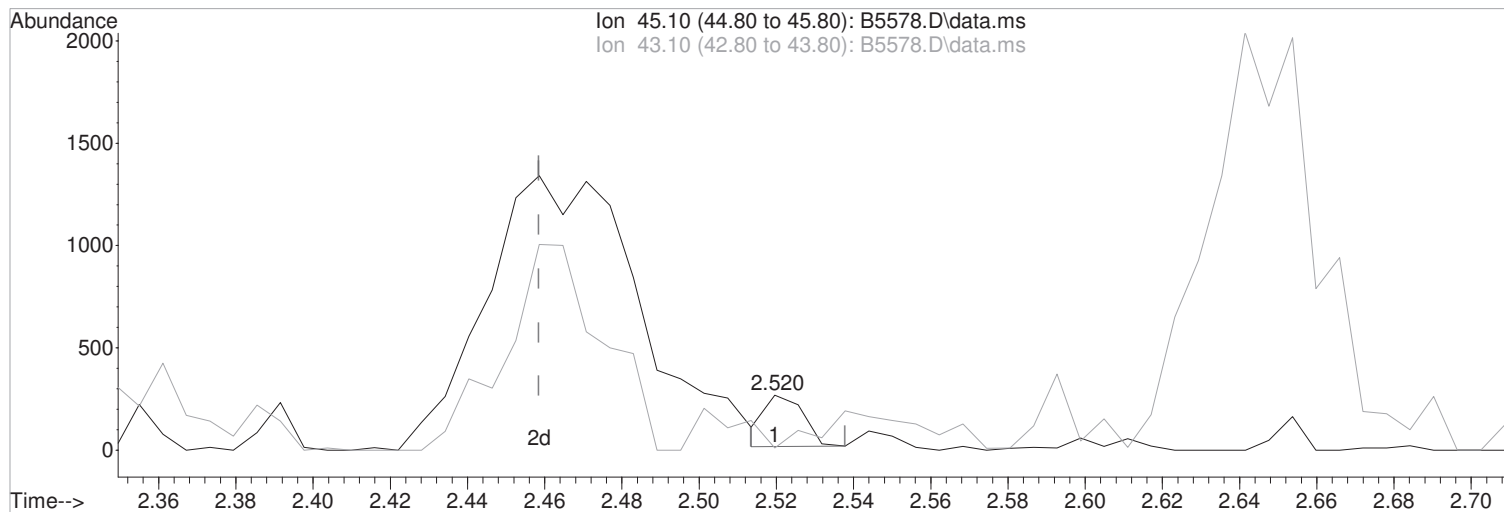
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



(17) 2-Propanol

Manual Integration:

2.520min (+0.061) 0.41 ug/L

Before

response 171

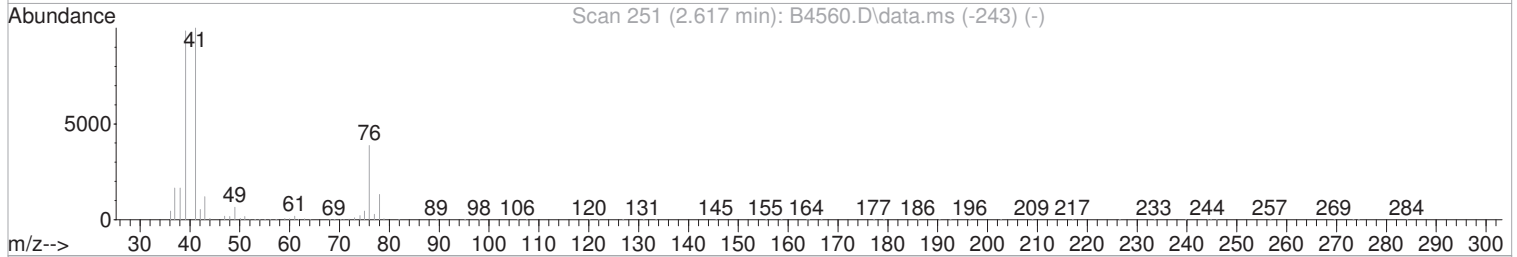
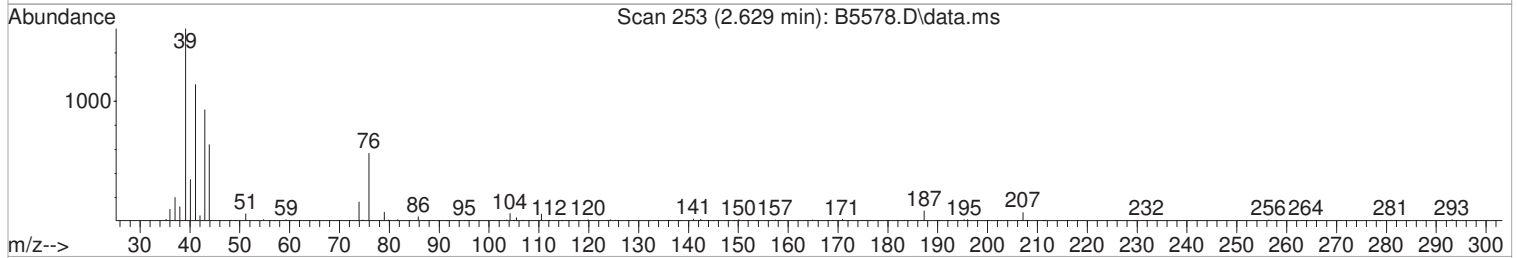
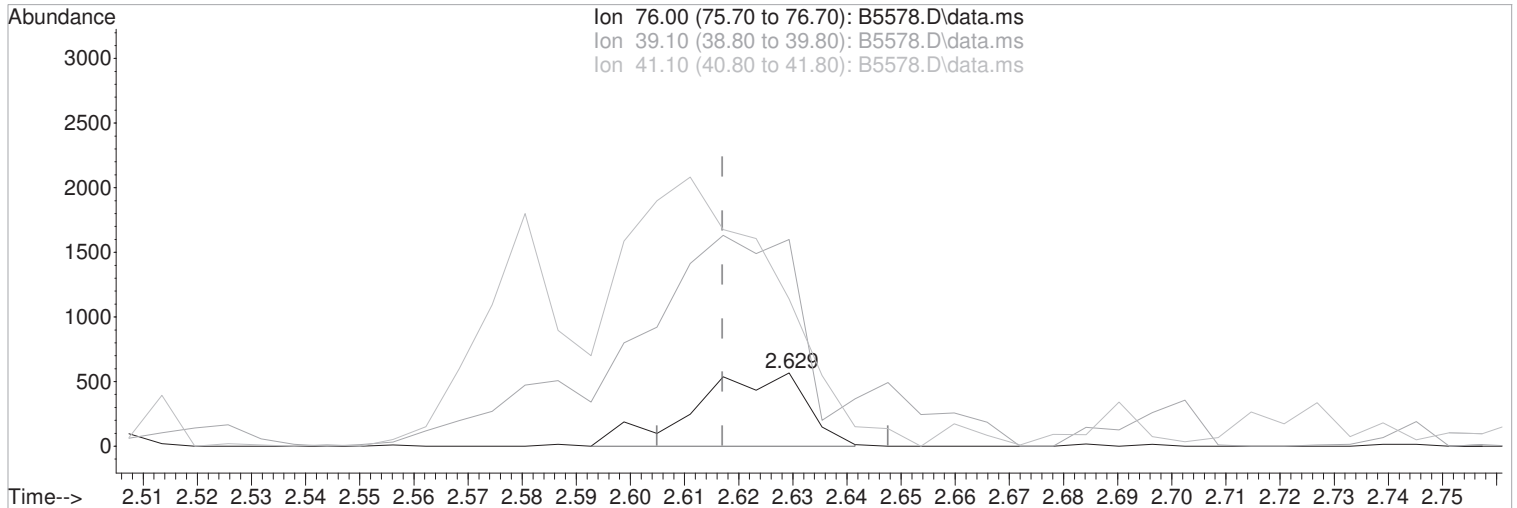
Ion	Exp%	Act%
45.10	100	100
43.10	23.80	4.46
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(21) Allyl Chloride

2.629min (+0.012) 0.47 ug/L m

response 817

Ion	Exp%	Act%
76.00	100	100
39.10	275.70	281.51
41.10	384.30	200.35#
0.00	0.00	0.00

Manual Integration:

After

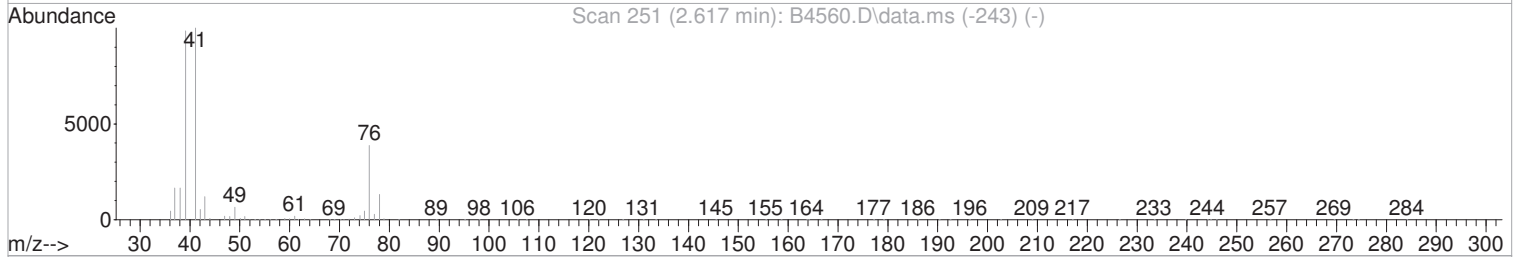
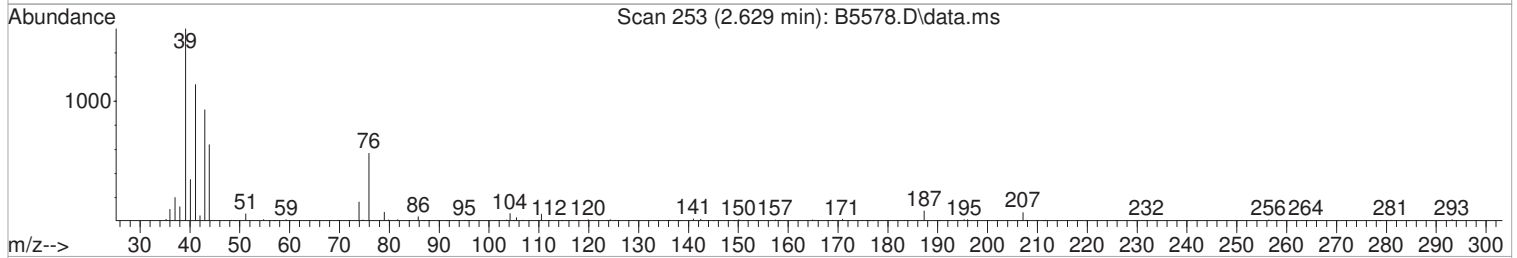
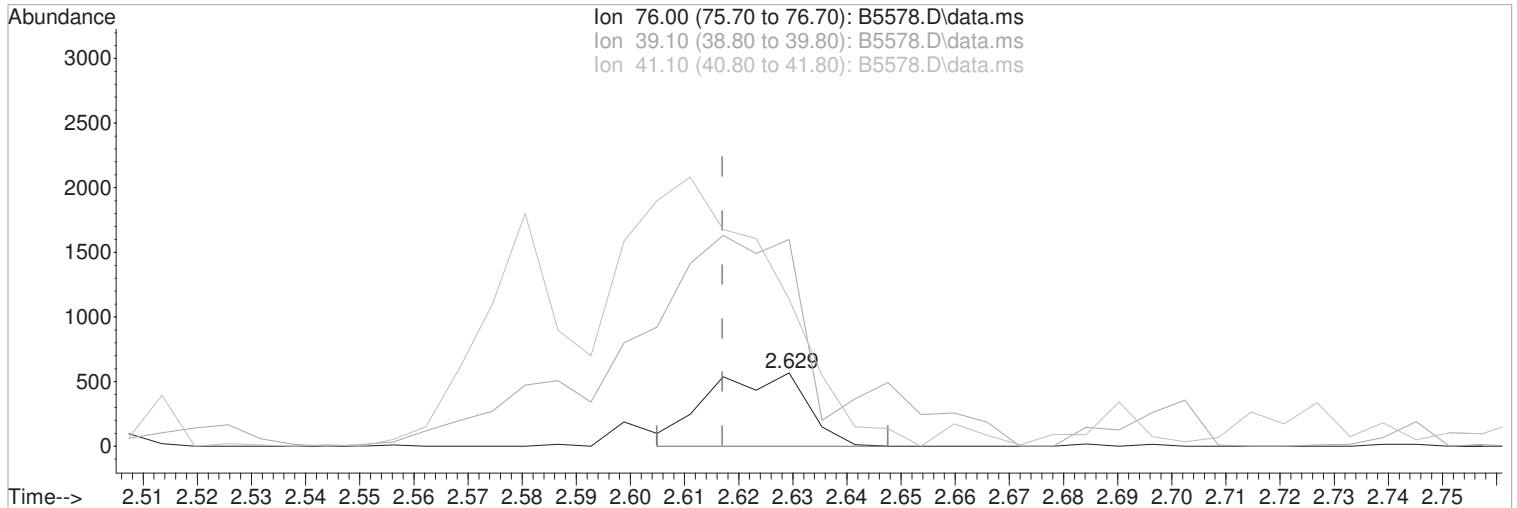
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(21) Allyl Chloride

Manual Integration:

2.629min (+0.012) 0.41 ug/L

Before

response 712

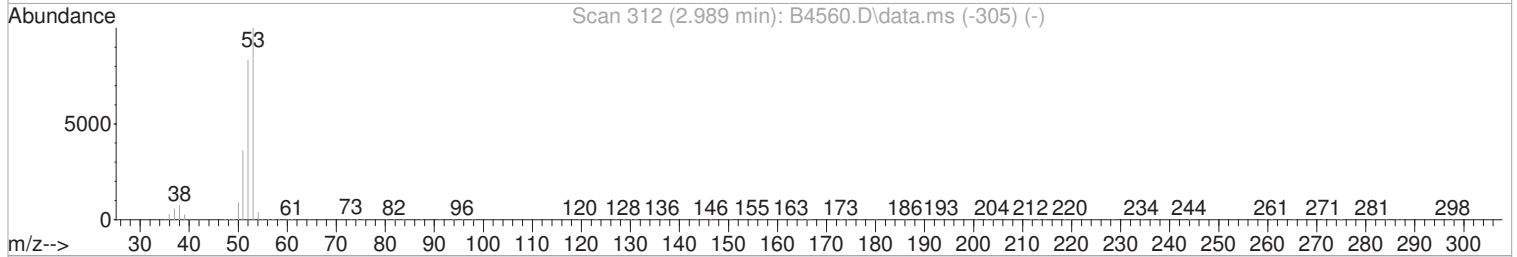
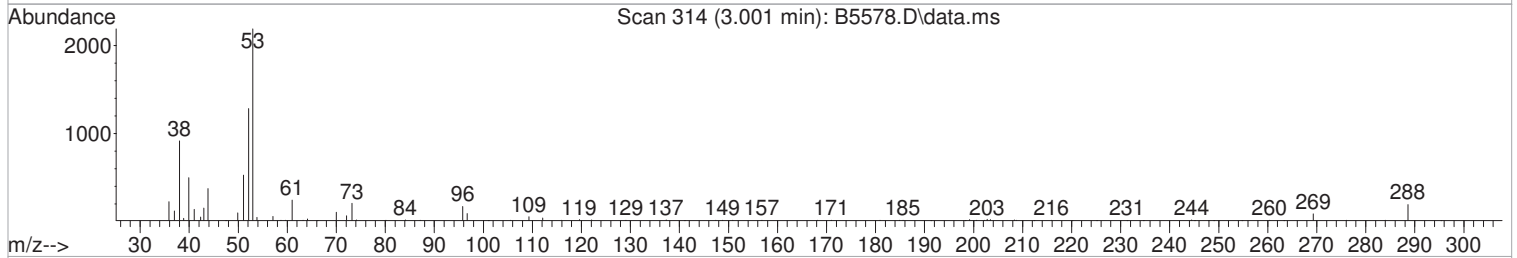
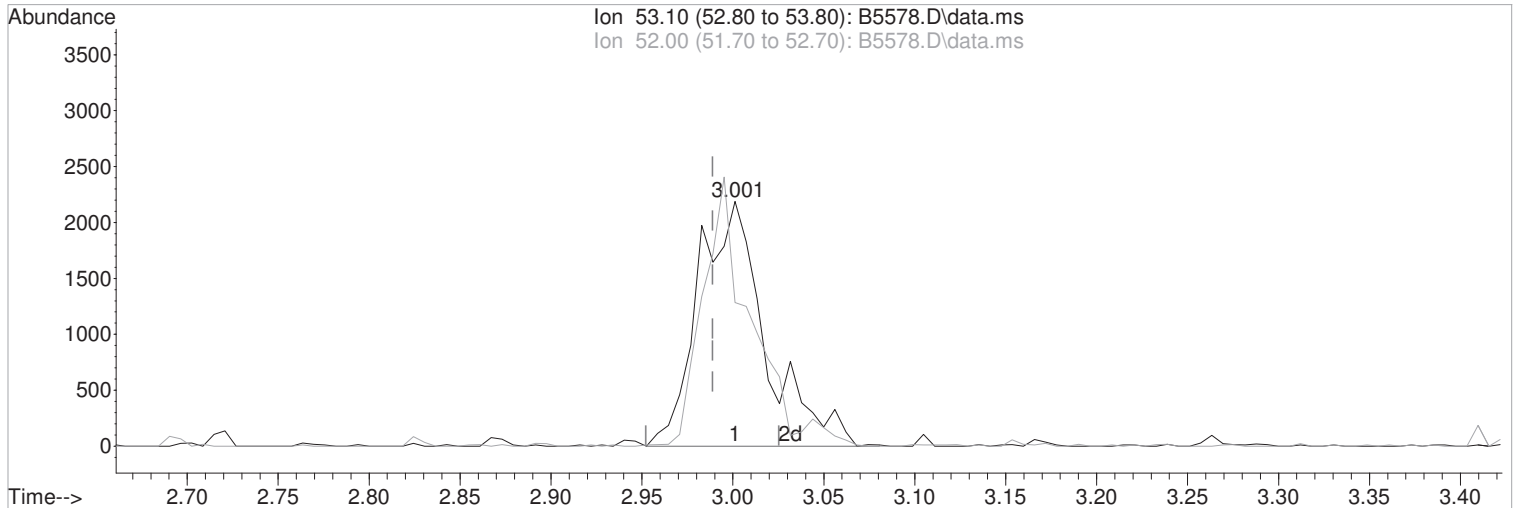
Ion	Exp%	Act%
76.00	100	100
39.10	275.70	281.51
41.10	384.30	200.35#
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(25) Acrylonitrile

3.001min (+0.012) 2.79 ug/L m

response 5661

Ion	Exp%	Act%
53.10	100	100
52.00	83.30	58.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

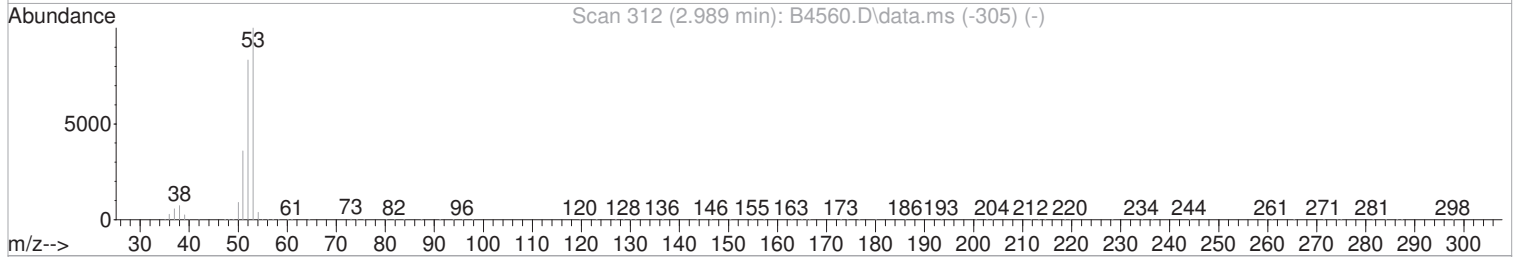
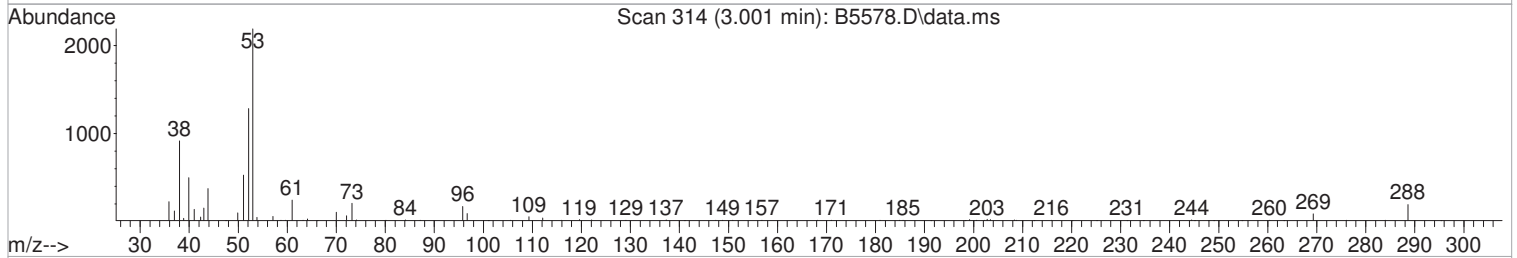
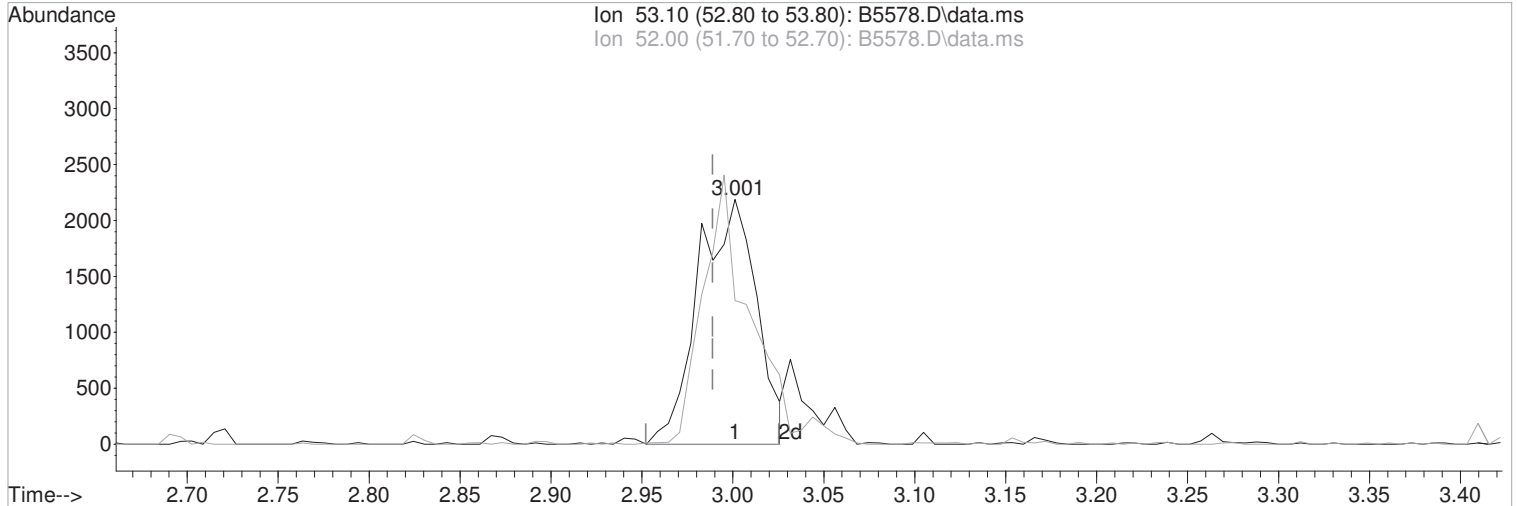
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(25) Acrylonitrile

Manual Integration:

3.001min (+0.012) 2.41 ug/L

Before

response 4893

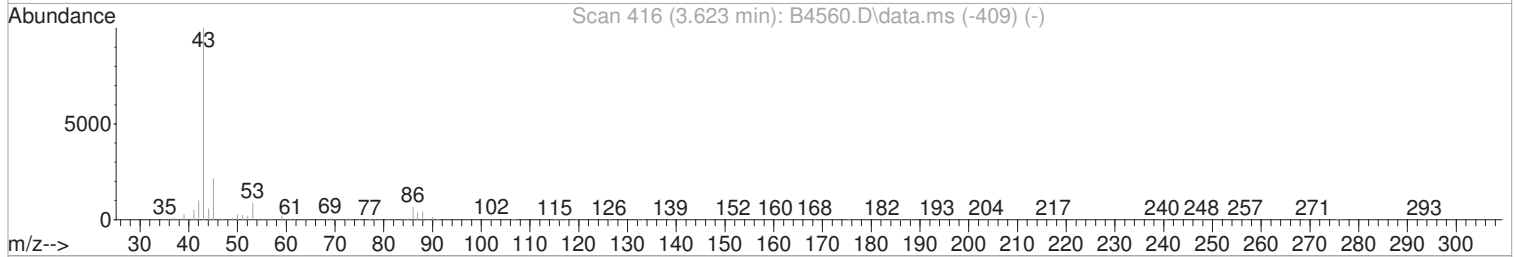
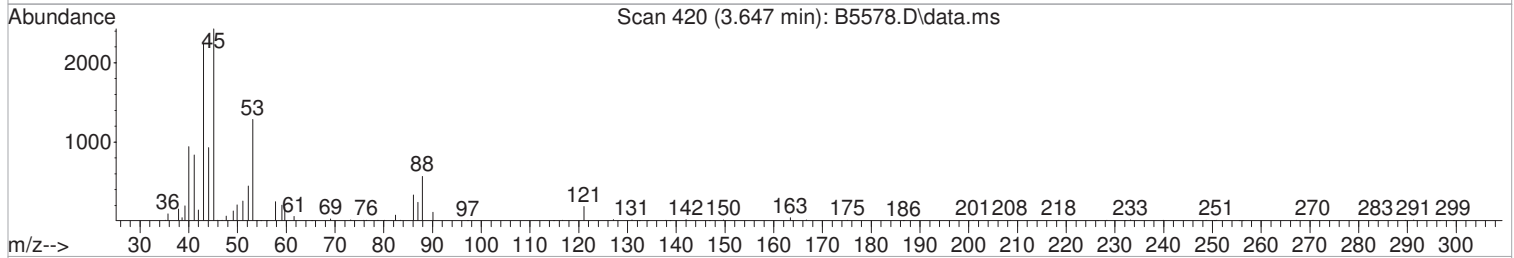
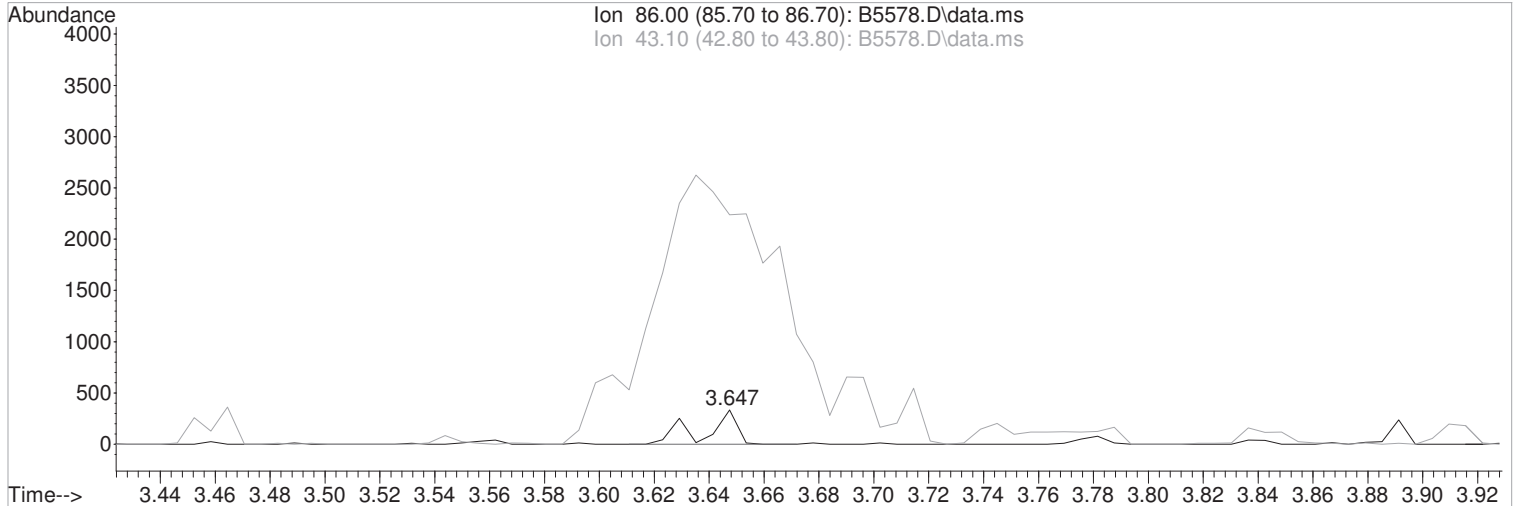
Ion	Exp%	Act%
53.10	100	100
52.00	83.30	57.38#
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(29) Vinyl Acetate

3.647min (+0.025) 0.56 ug/L m

response 276

Ion	Exp%	Act%
86.00	100	100
43.10	1560.10	669.76#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

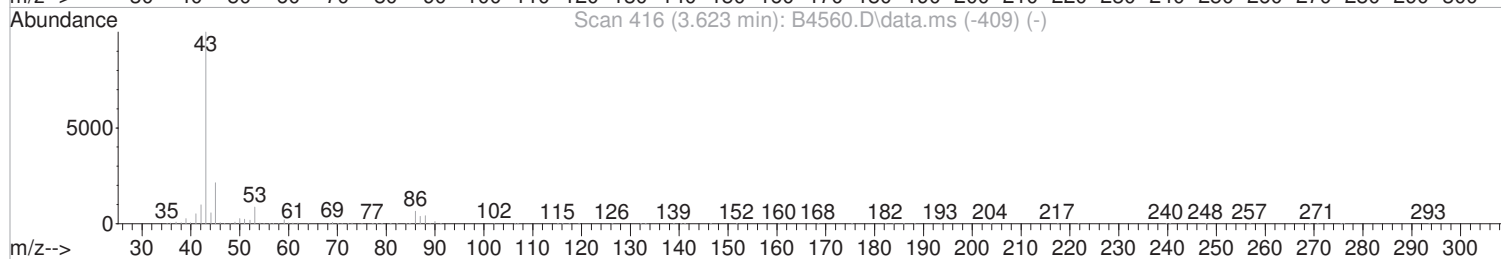
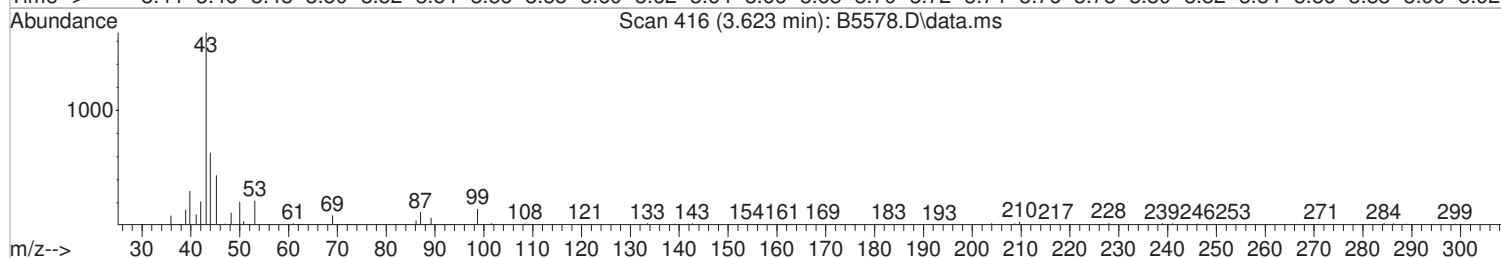
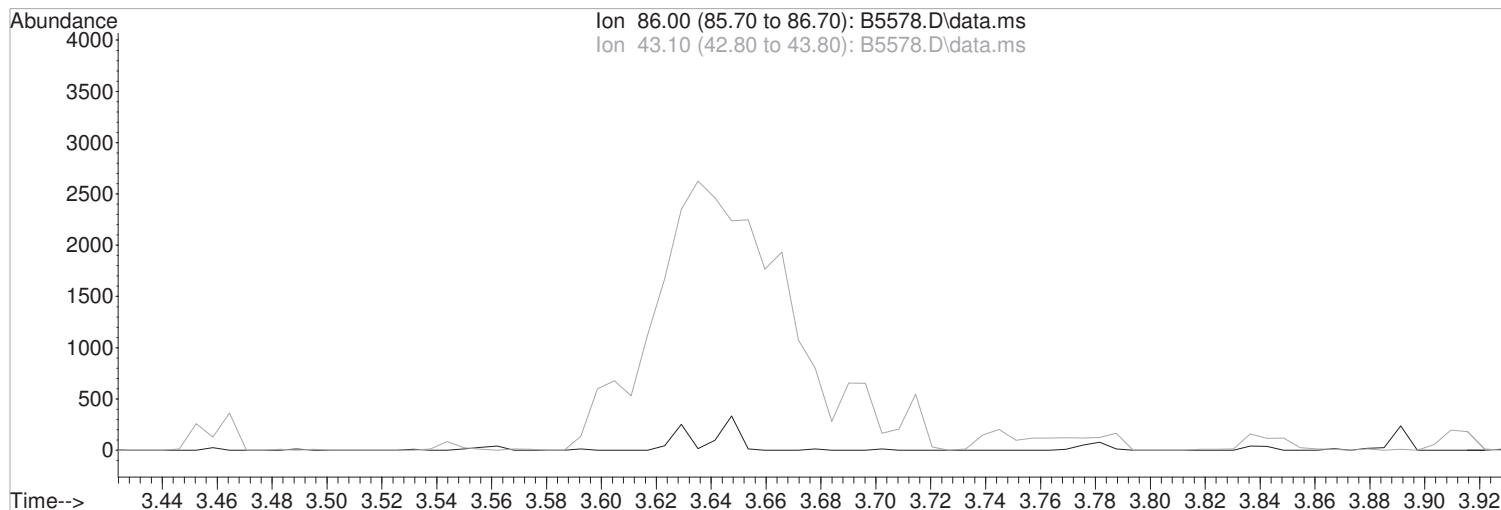
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(29) Vinyl Acetate

Manual Integration:

3.623min (-3.623) 0.00 ug/L

Before

response 0

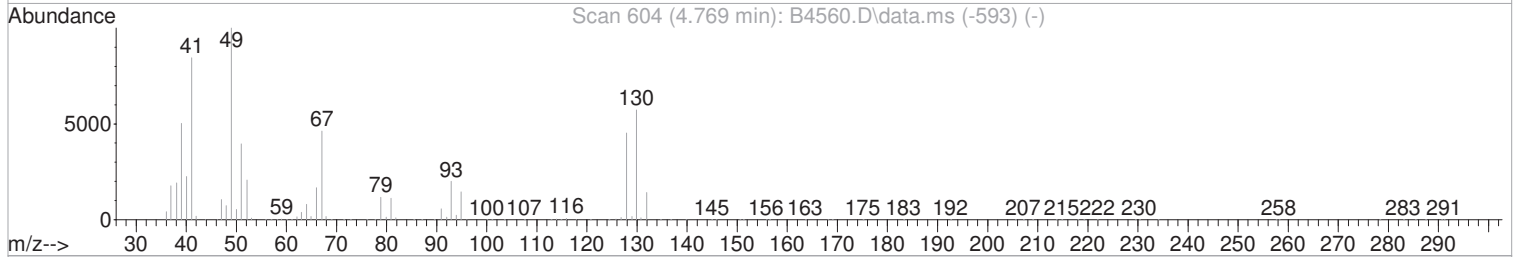
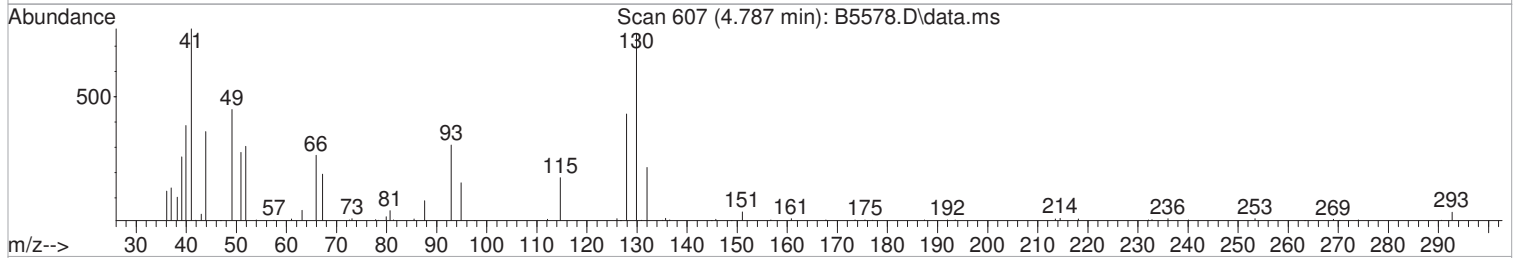
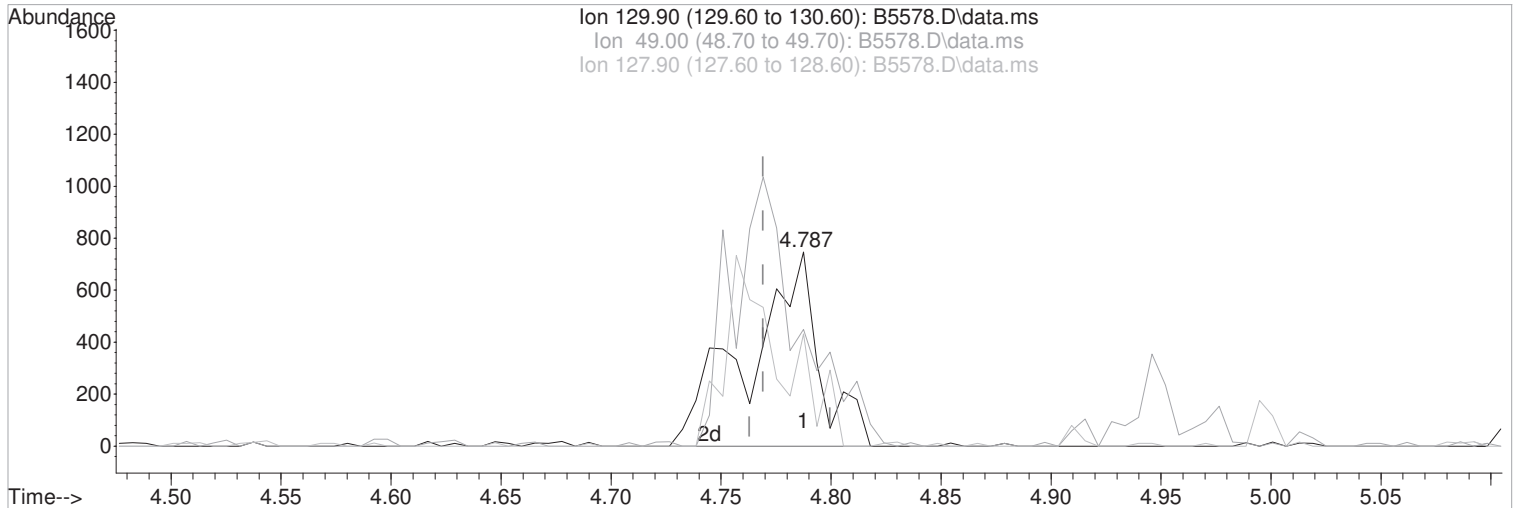
Ion	Exp%	Act%
86.00	100	0.00
43.10	1560.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(37) Bromochloromethane

4.787min (+0.018) 0.68 ug/L m

response 1662

Ion	Exp%	Act%

129.90	100	100

49.00	174.90	60.11#

127.90	79.00	57.83#

0.00	0.00	0.00

Manual Integration:

After

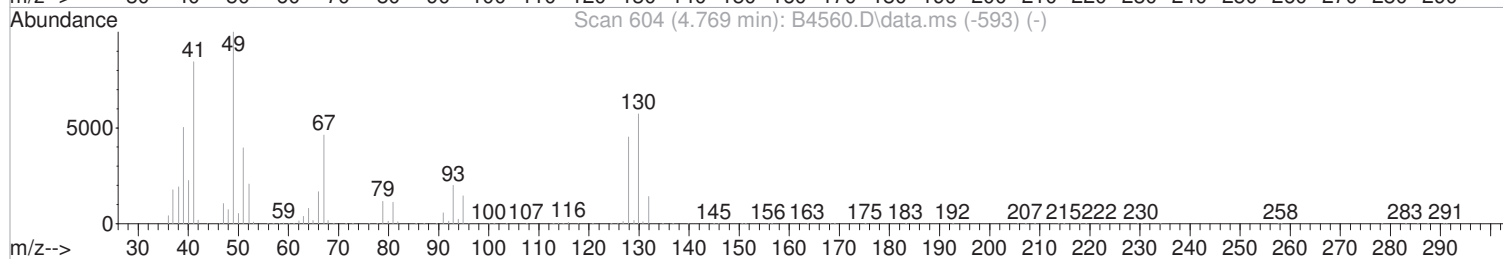
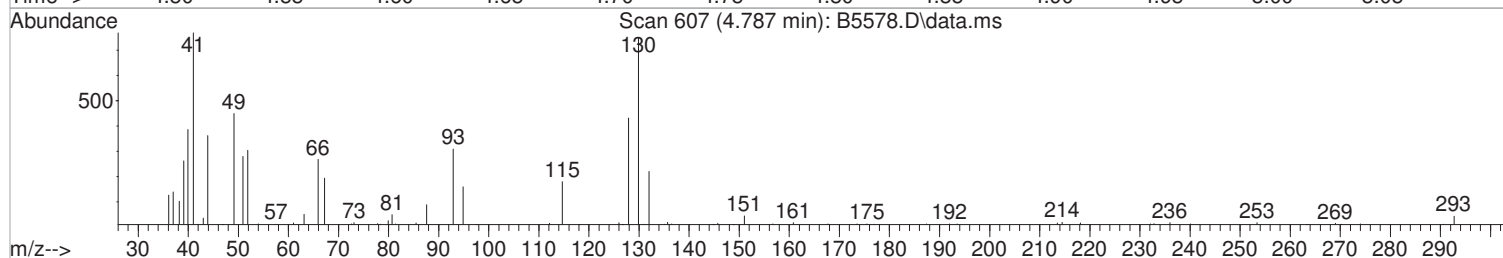
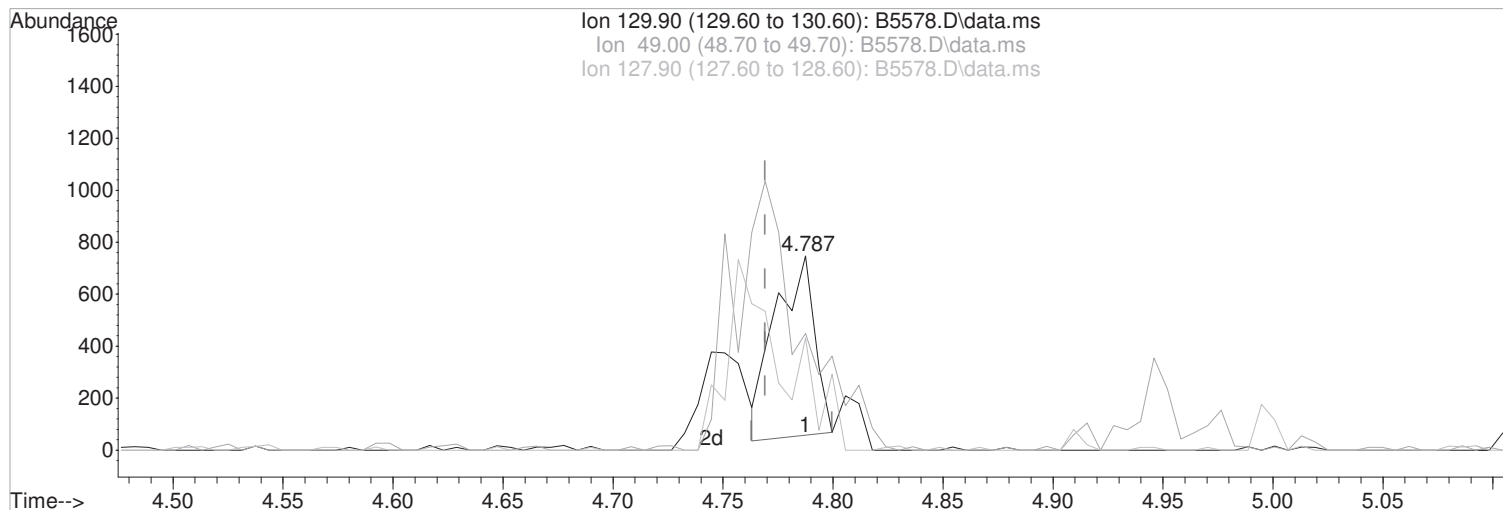
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(37) Bromochloromethane

Manual Integration:

4.787min (+0.018) 0.35 ug/L

Before

response 862

Ion	Exp%	Act%

09/08/22

129.90	100	100

49.00	174.90	60.11#

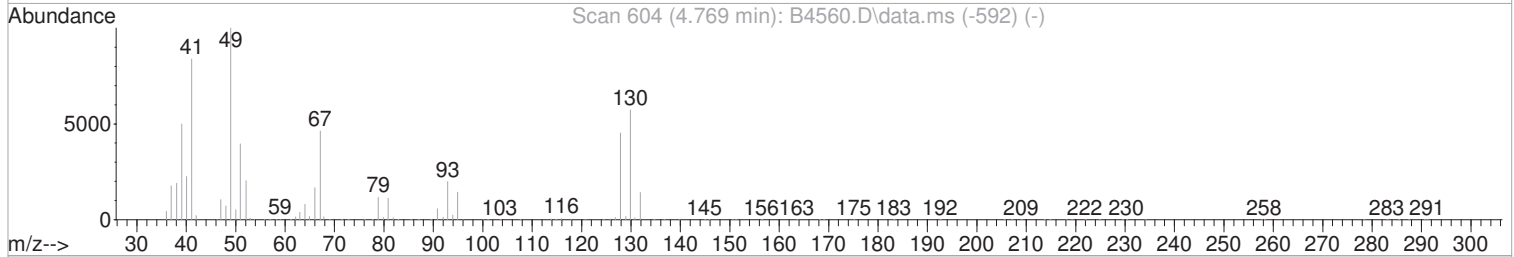
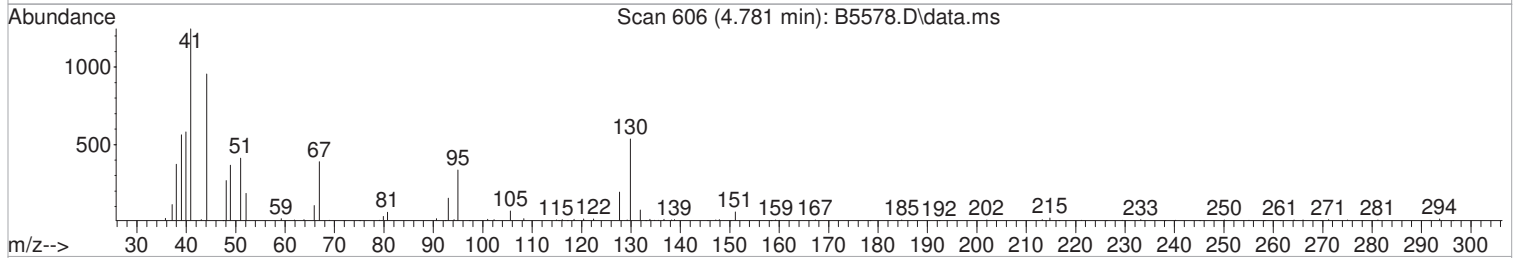
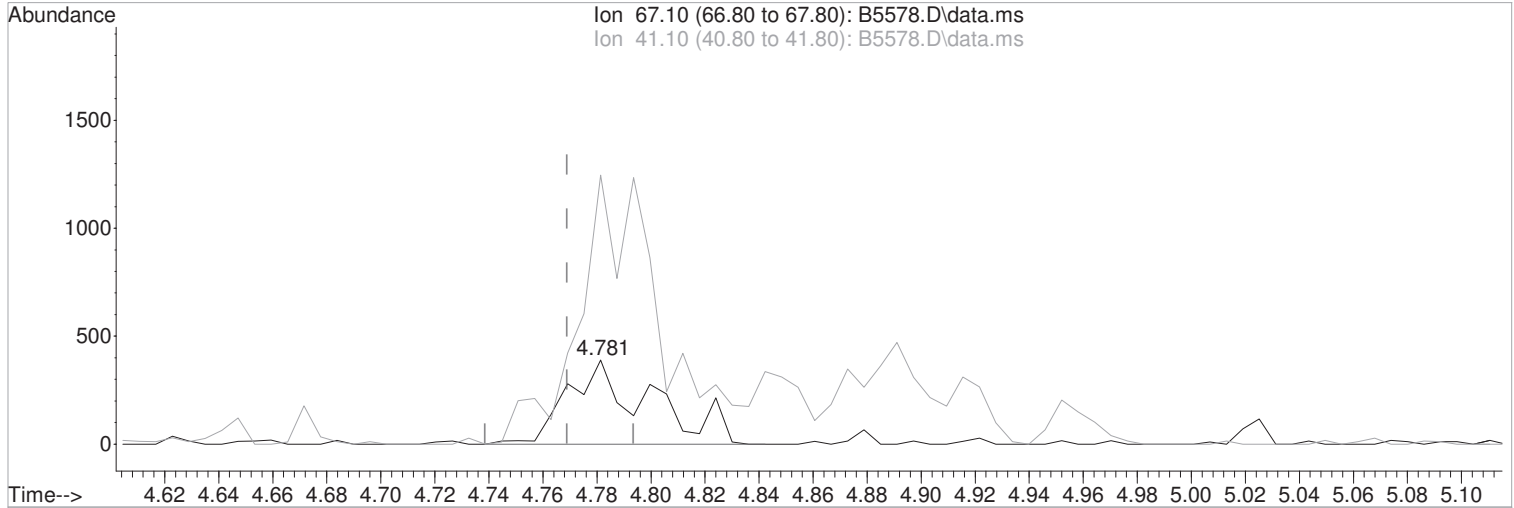
127.90	79.00	57.83#

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(38) Methacrylonitrile

4.781min (+0.012) 0.41 ug/L m

response 822

Ion	Exp%	Act%

67.10	100	100

41.10	186.60	319.49#

0.00	0.00	0.00

0.00	0.00	0.00

Manual Integration:

After

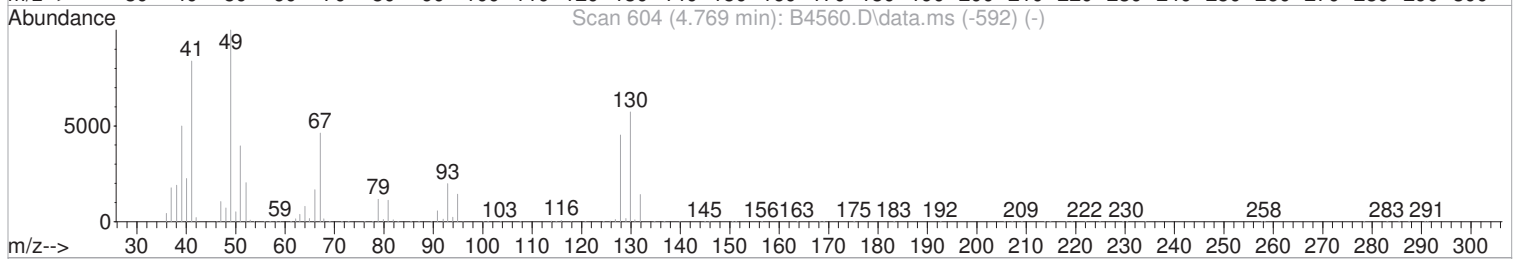
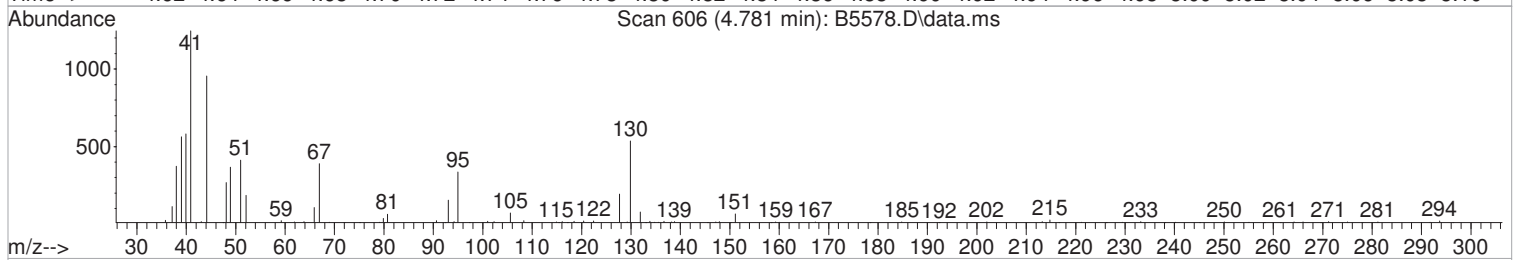
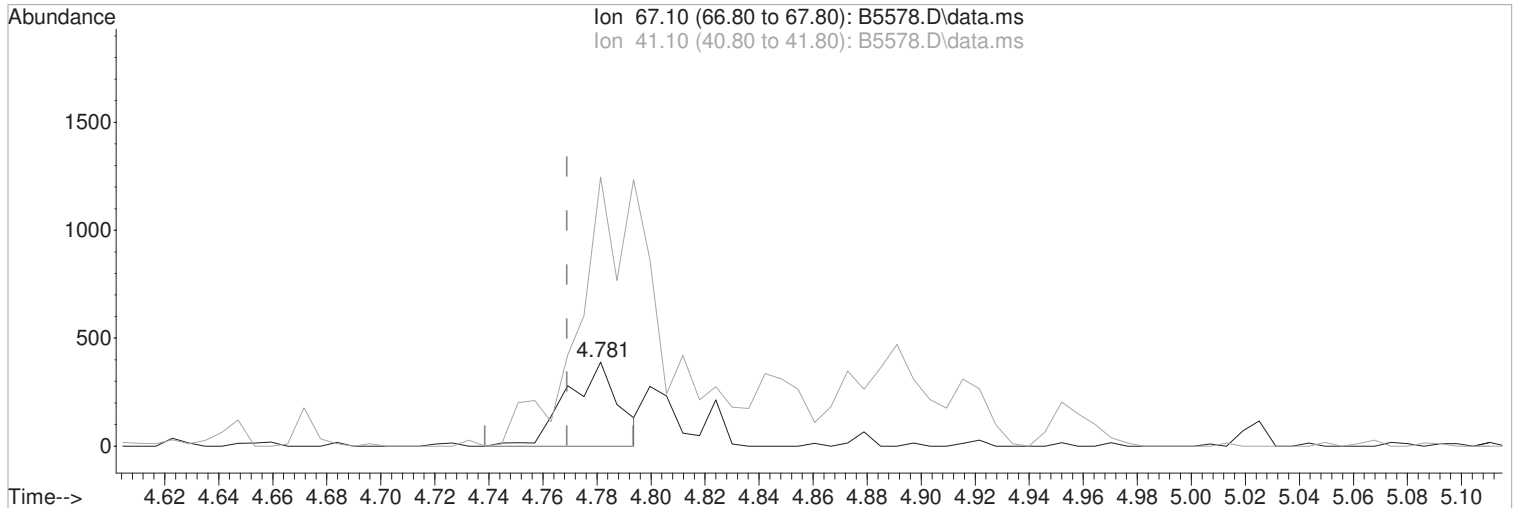
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(38) Methacrylonitrile

Manual Integration:

4.781min (+0.012) 0.26 ug/L

Before

response 514

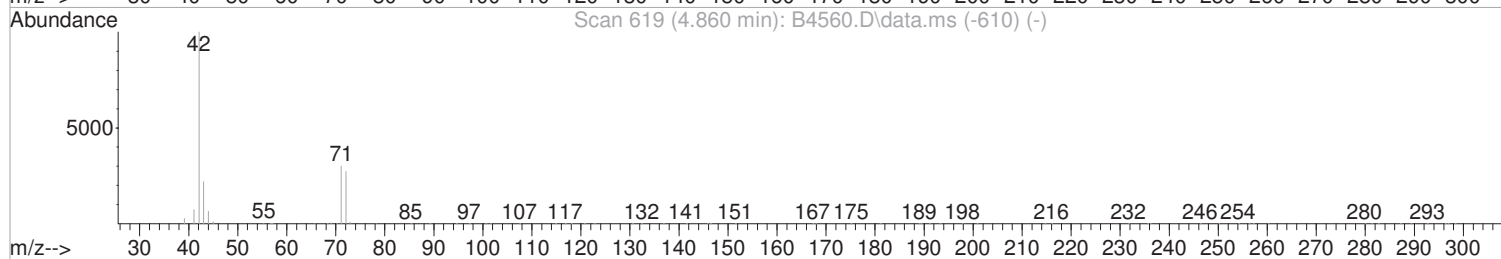
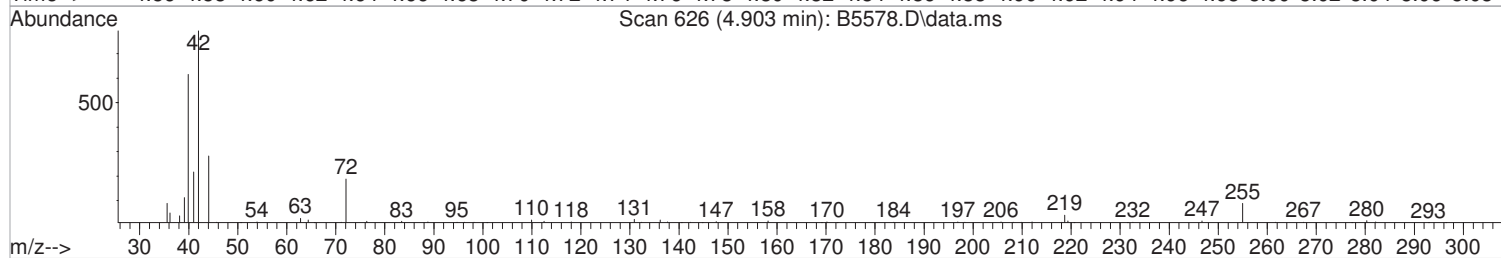
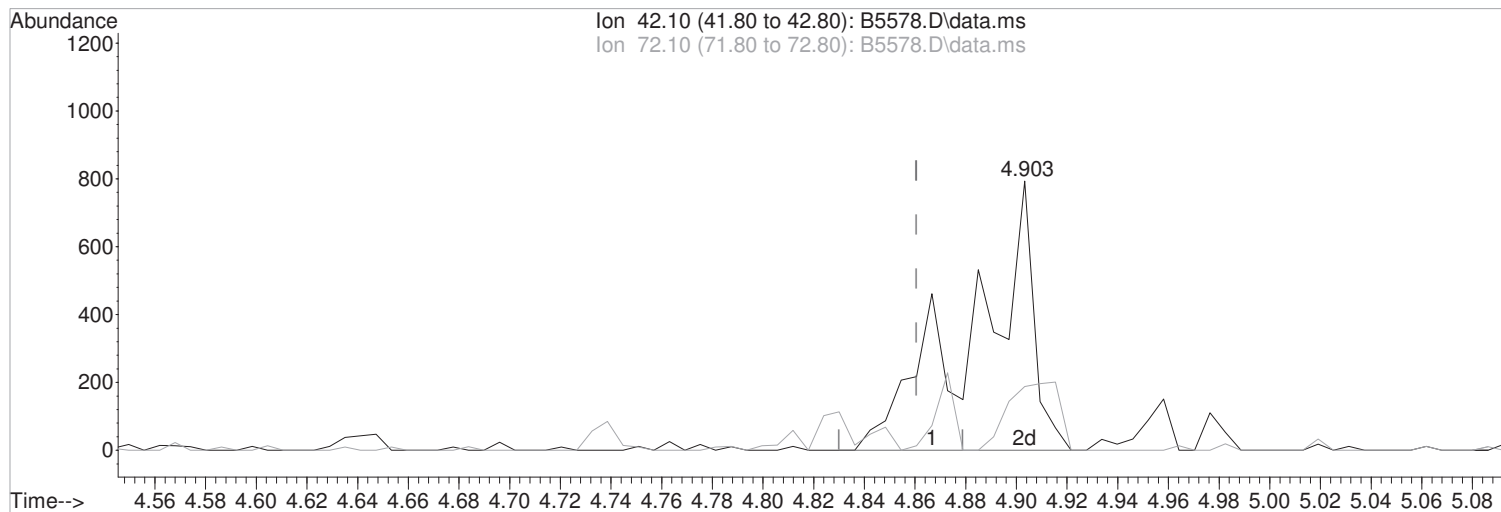
Ion	Exp%	Act%
67.10	100	100
41.10	186.60	319.49#
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(39) Tetrahydrofuran

4.903min (+0.043) 0.67 ug/L m

response 1305

Ion	Exp%	Act%
42.10	100	100
72.10	27.20	23.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

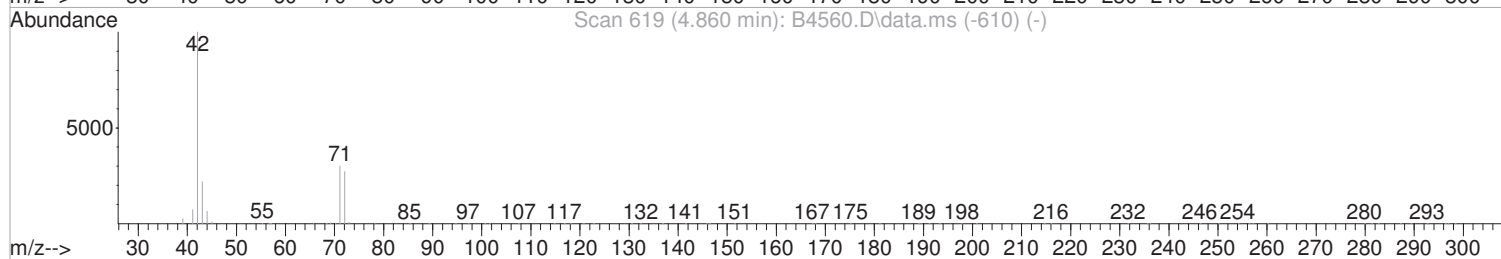
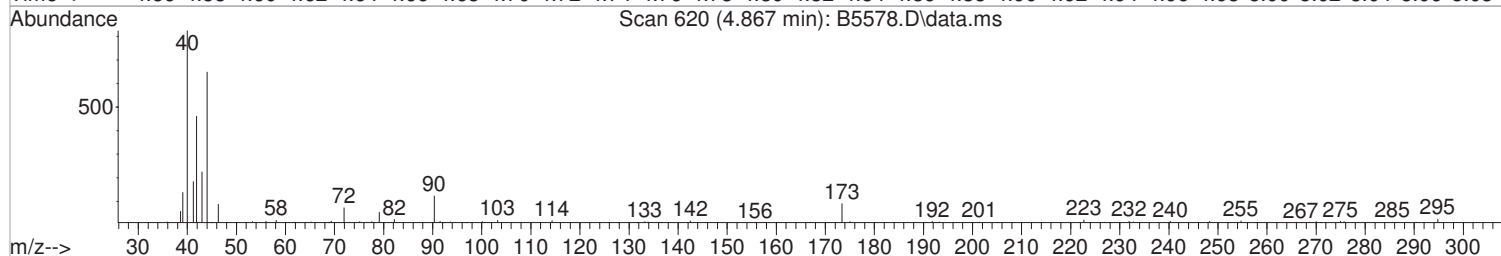
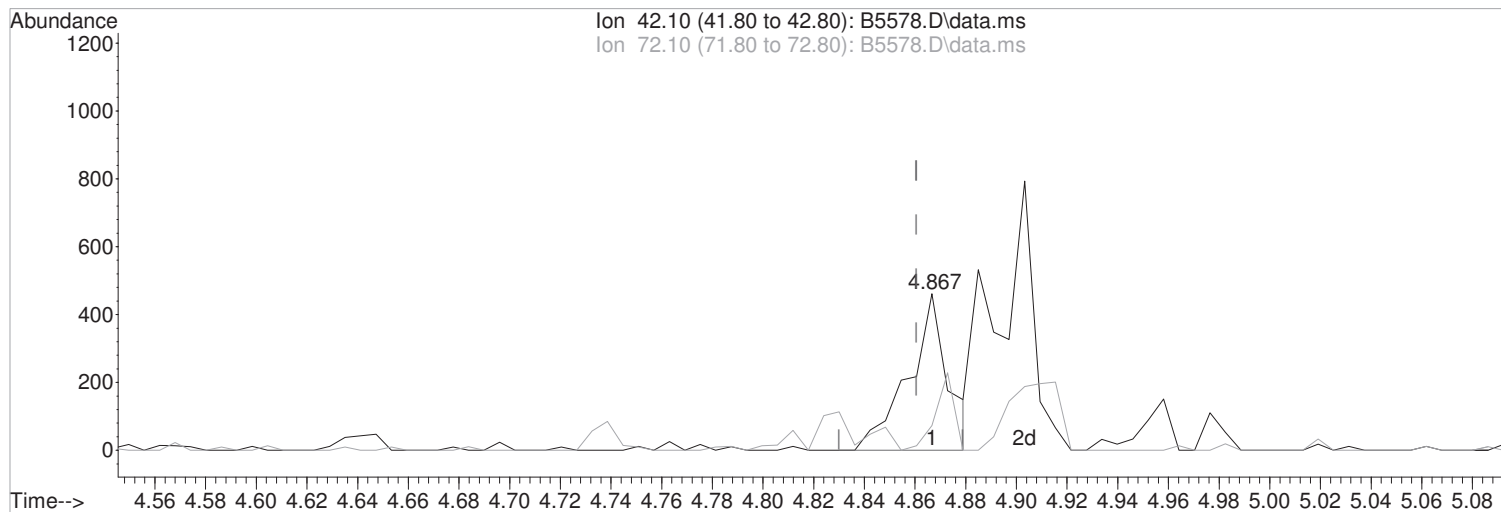
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(39) Tetrahydrofuran

Manual Integration:

4.867min (+0.006) 0.25 ug/L

Before

response 496

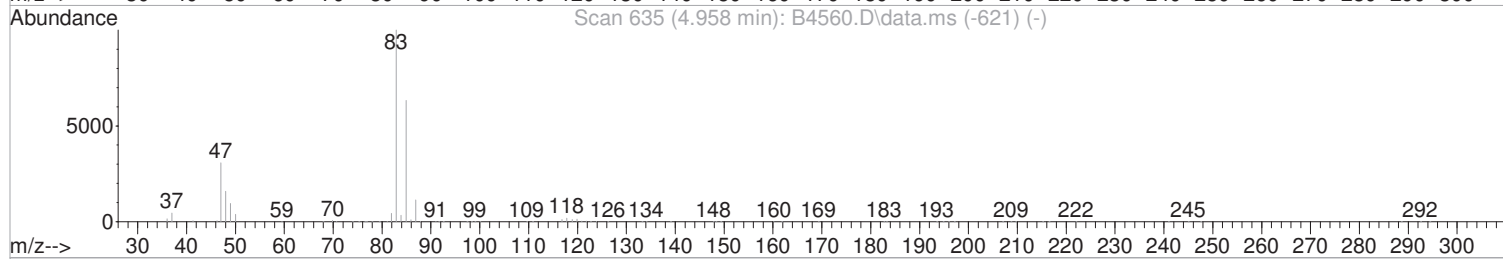
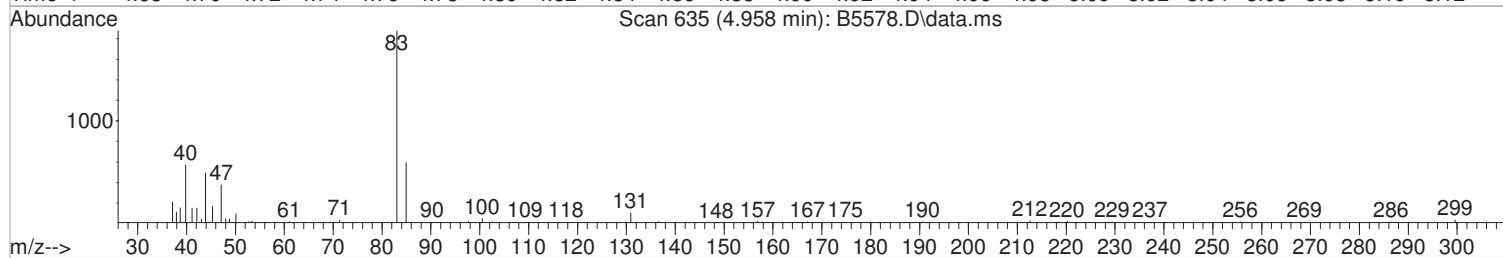
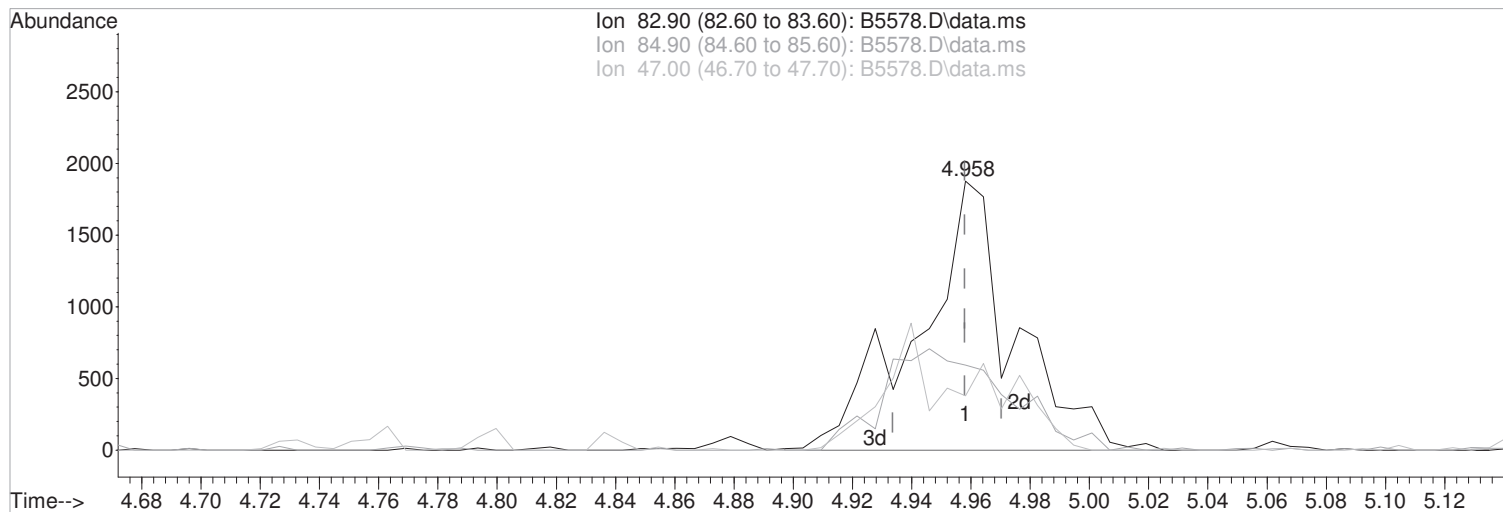
Ion	Exp%	Act%
42.10	100	100
72.10	27.20	15.84
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(40) Chloroform (P)

4.958min (+0.000) 0.71 ug/L m

response 4204

Ion	Exp%	Act%
82.90	100	100
84.90	63.20	31.66#
47.00	30.80	20.20
0.00	0.00	0.00

Manual Integration:

After

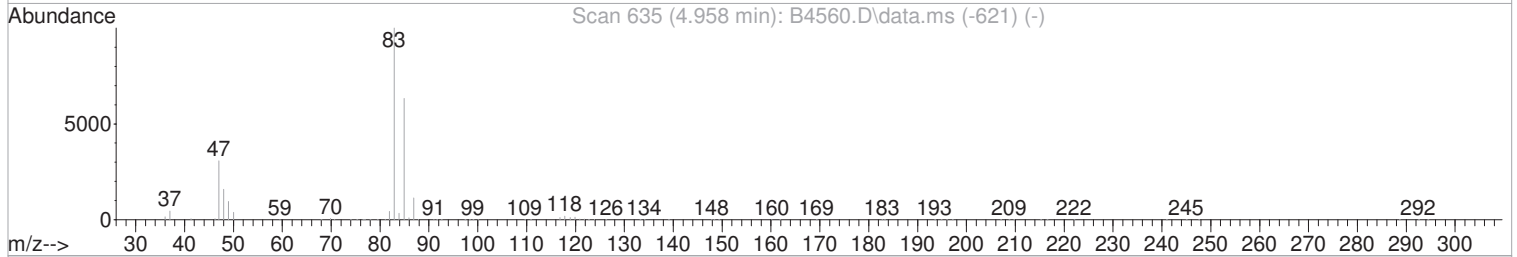
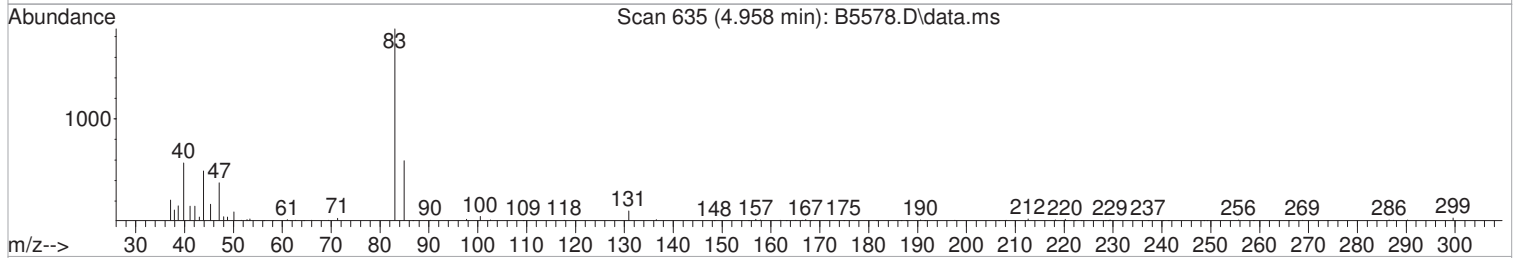
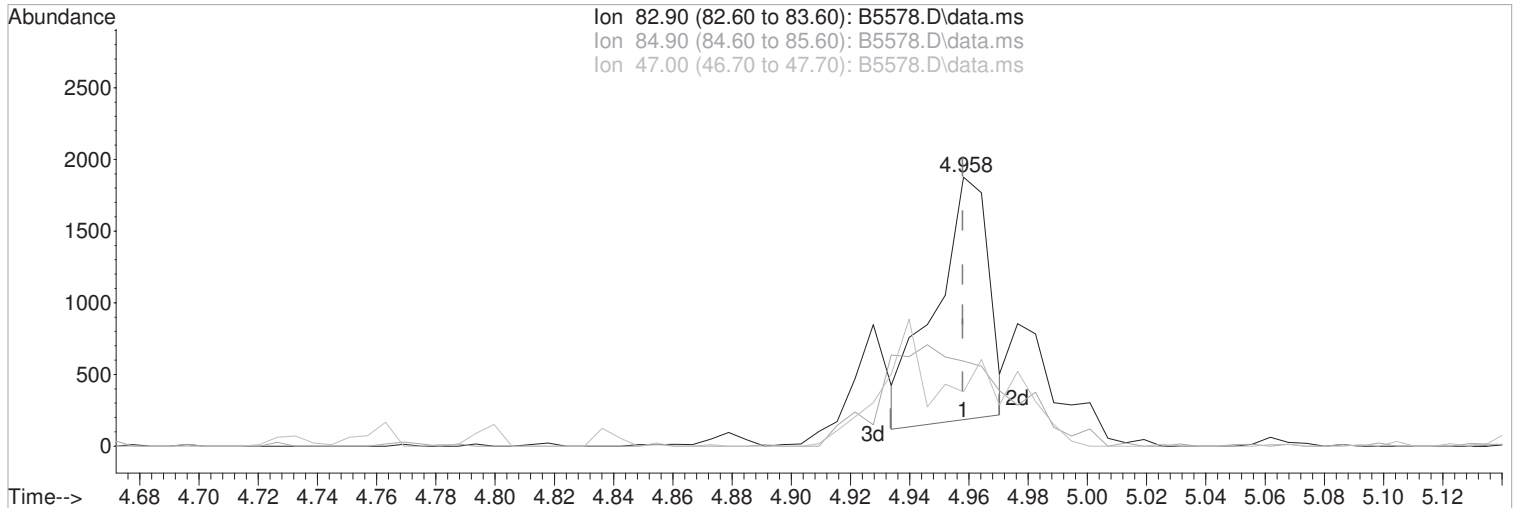
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(40) Chloroform (P)

Manual Integration:

4.958min (+0.000) 0.36 ug/L

Before

response 2119

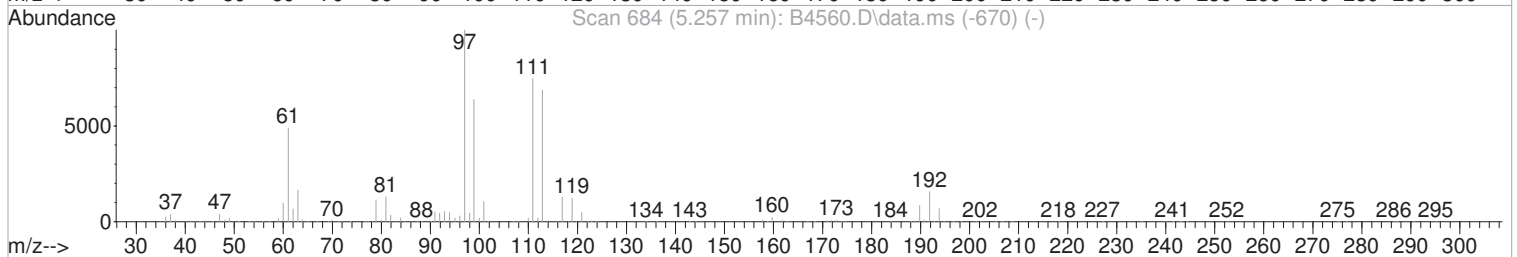
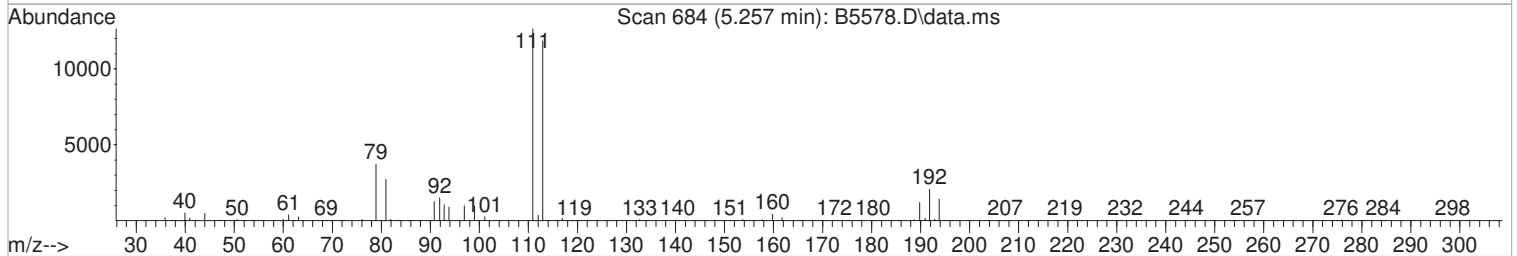
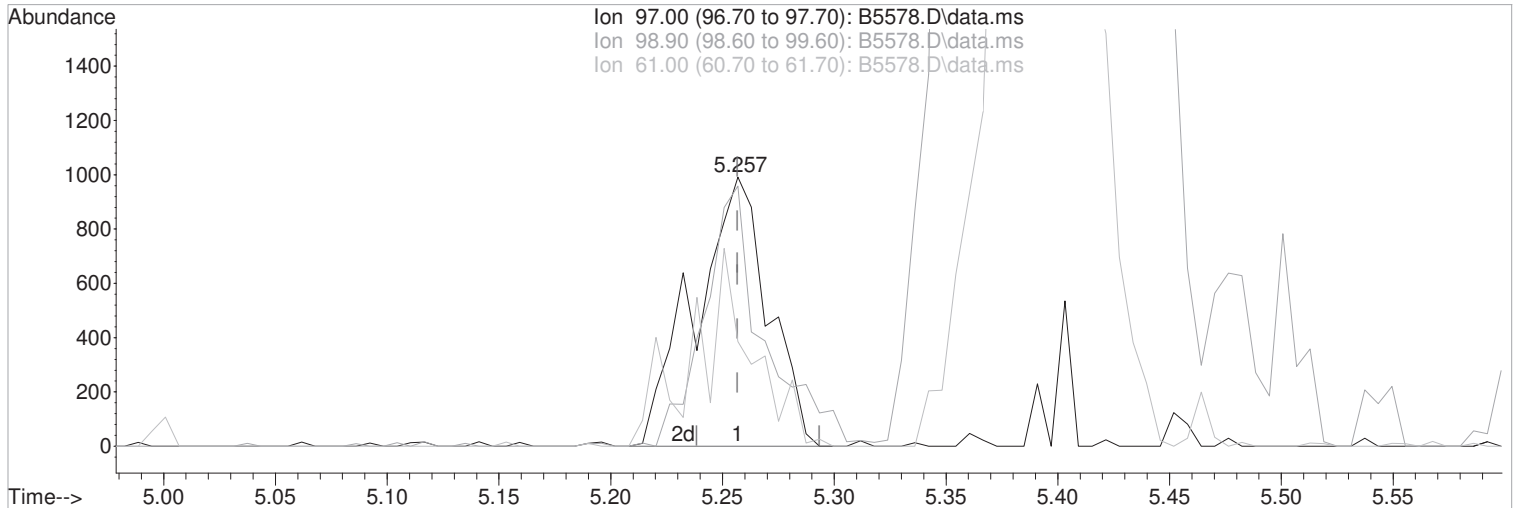
Ion	Exp%	Act%
82.90	100	100
84.90	63.20	31.66#
47.00	30.80	20.20
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

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

5.257min (+0.000) 0.50 ug/L m

response 2261

Ion	Exp%	Act%
97.00	100	100
98.90	63.70	96.67#
61.00	48.90	38.95
0.00	0.00	0.00

Manual Integration:

After

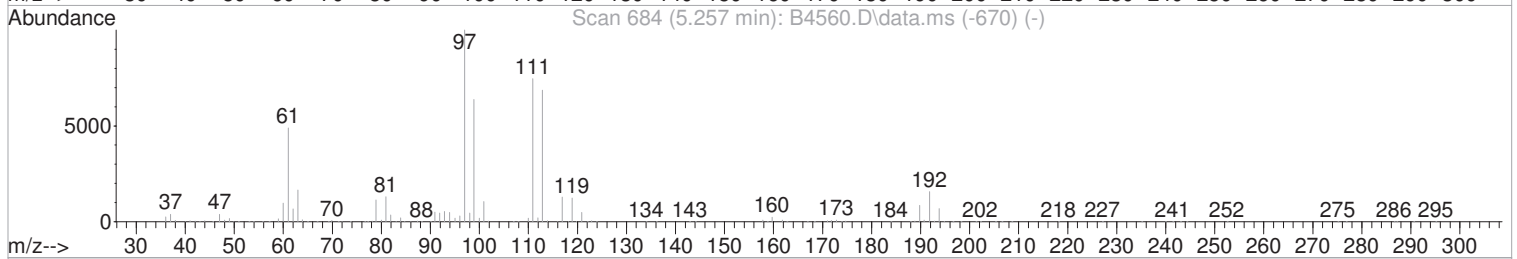
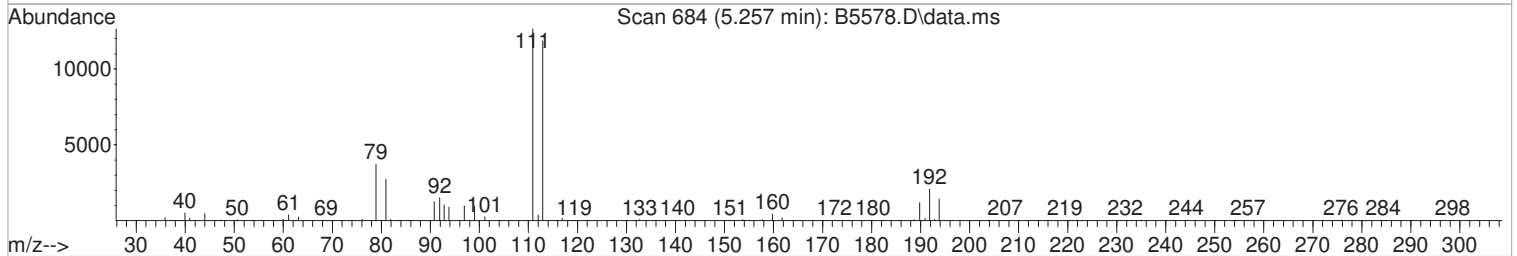
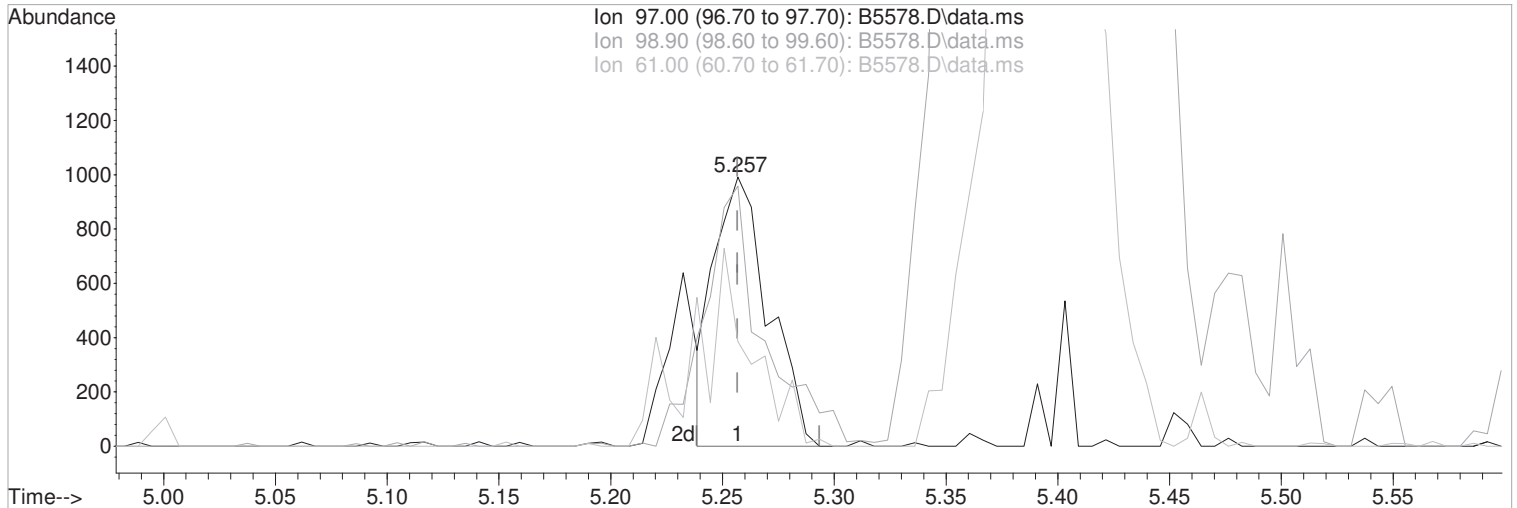
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

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

Manual Integration:

5.257min (+0.000) 0.37 ug/L

Before

response 1685

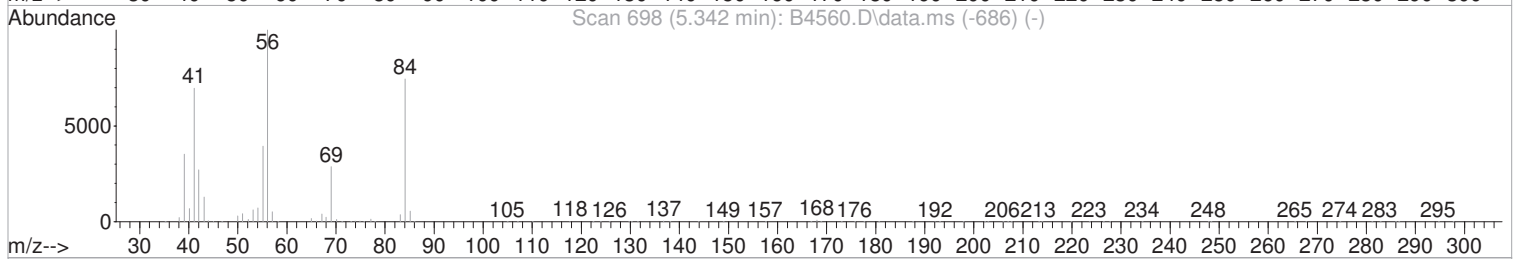
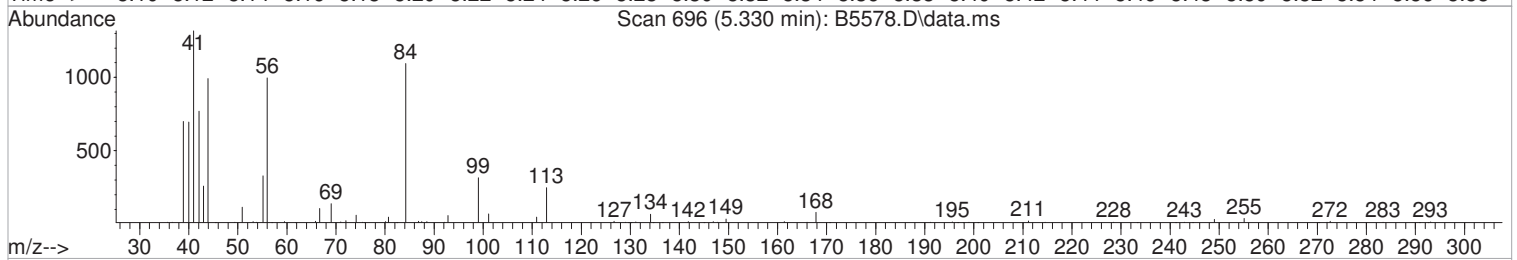
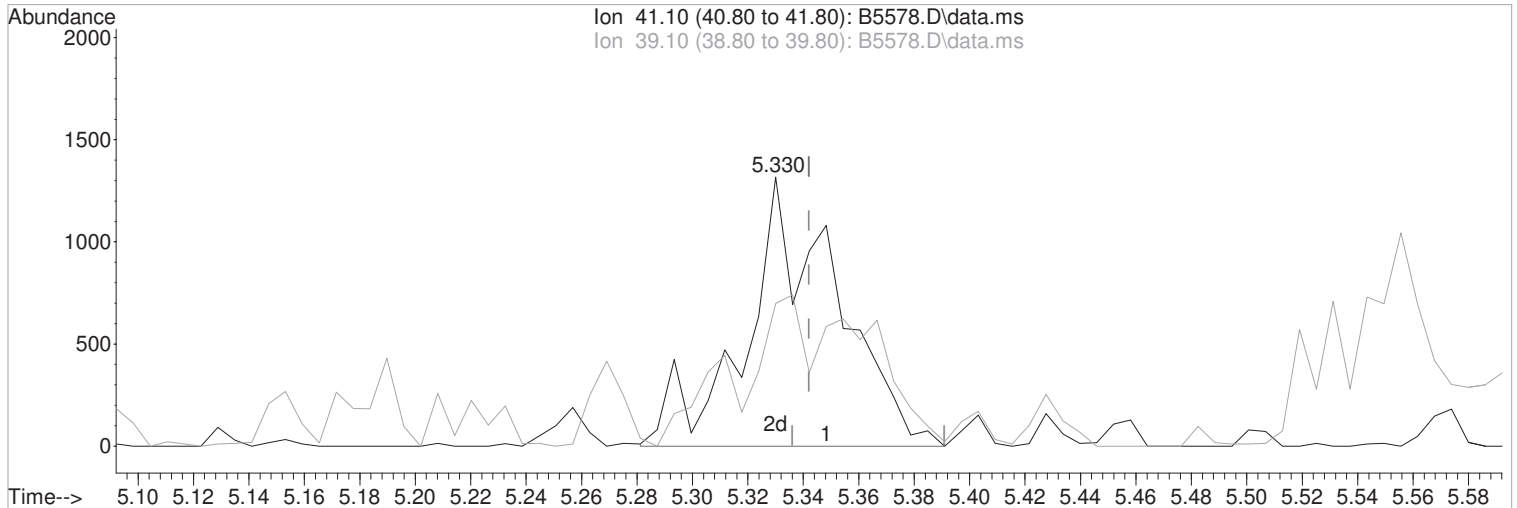
Ion	Exp%	Act%
97.00	100	100
98.90	63.70	96.67#
61.00	48.90	38.95
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(43) Cyclohexane (P)

5.330min (-0.012) 0.62 ug/L m

response 2999

Ion	Exp%	Act%
41.10	100	100
39.10	50.20	53.08
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

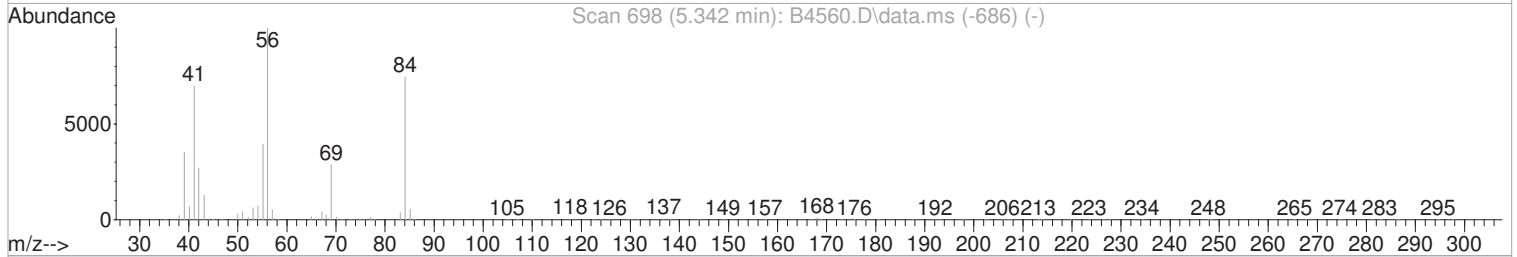
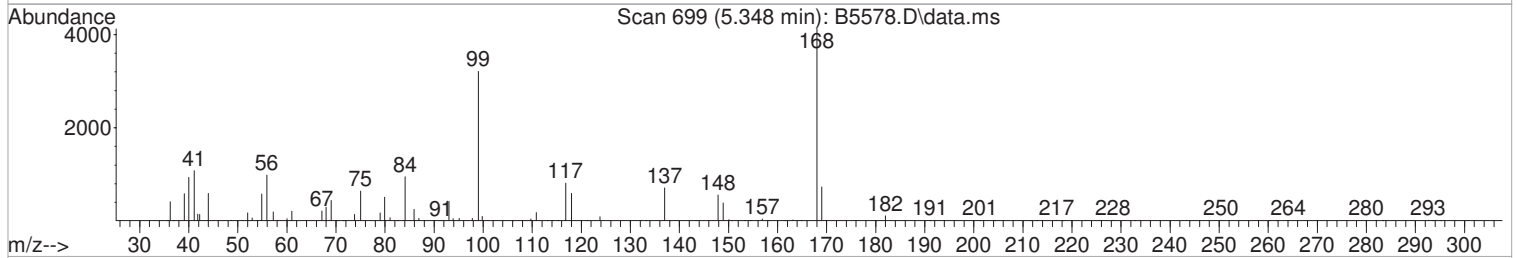
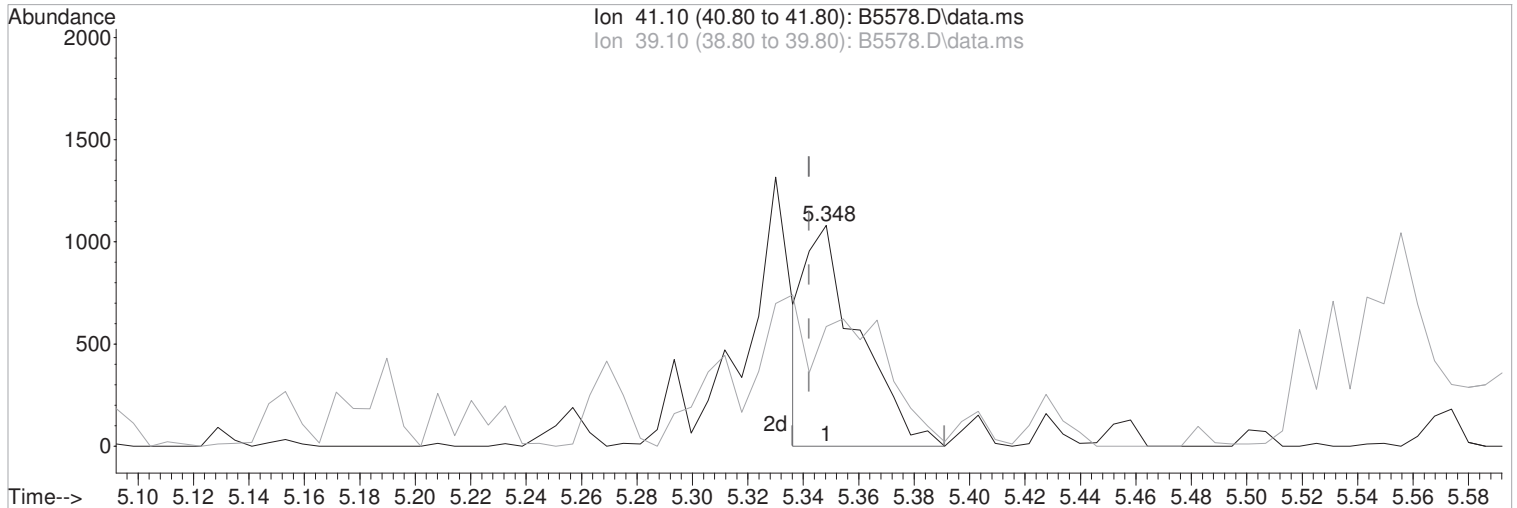
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(43) Cyclohexane (P)

Manual Integration:

5.348min (+0.006) 0.30 ug/L

Before

response 1445

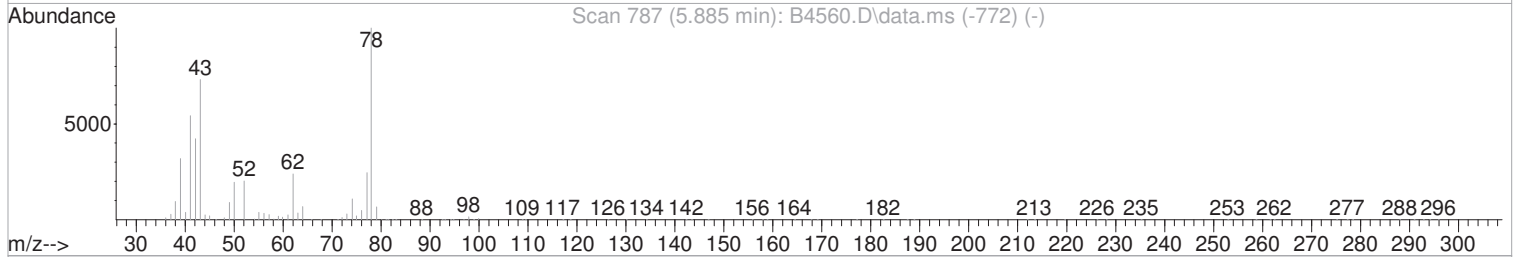
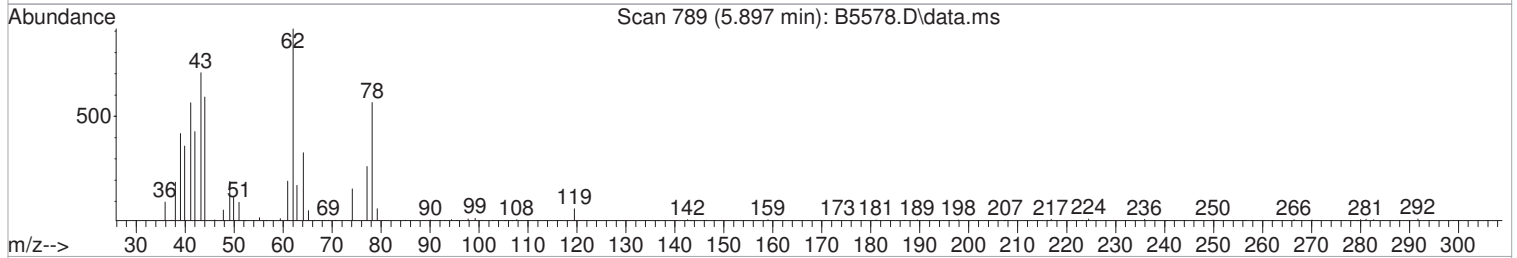
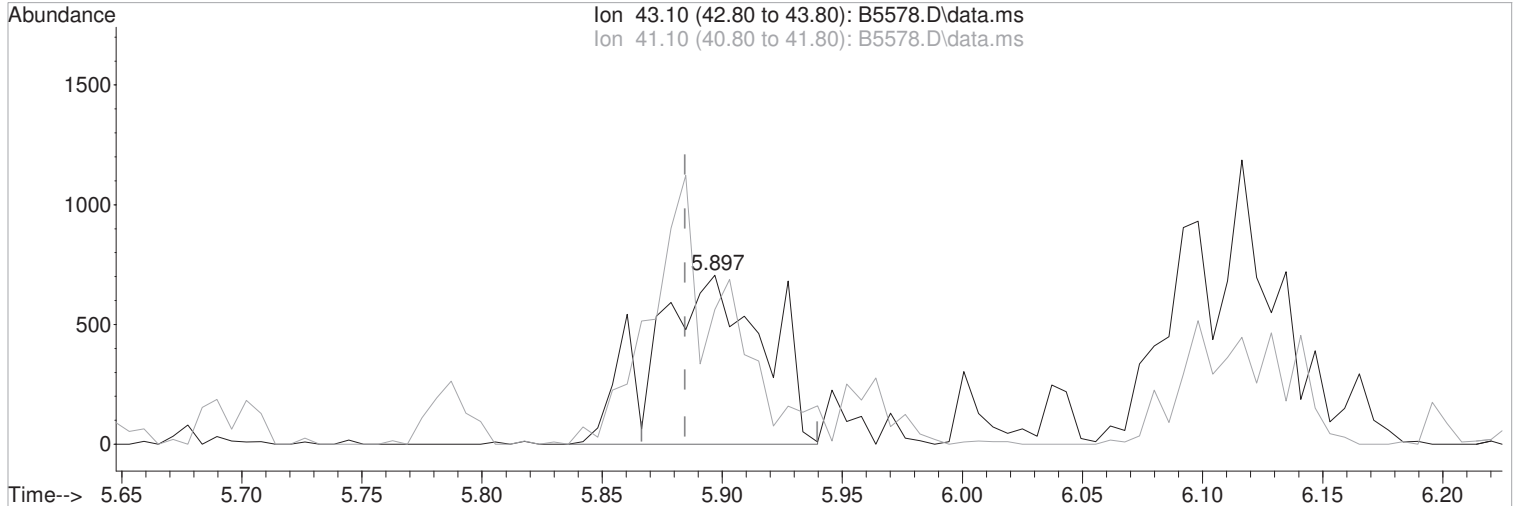
Ion	Exp%	Act%
41.10	100	100
39.10	50.20	47.80
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(50) Iso-Butyl Alcohol

5.897min (+0.012) 7.18 ug/L m

response 2337

Ion	Exp%	Act%
43.10	100	100
41.10	74.50	79.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

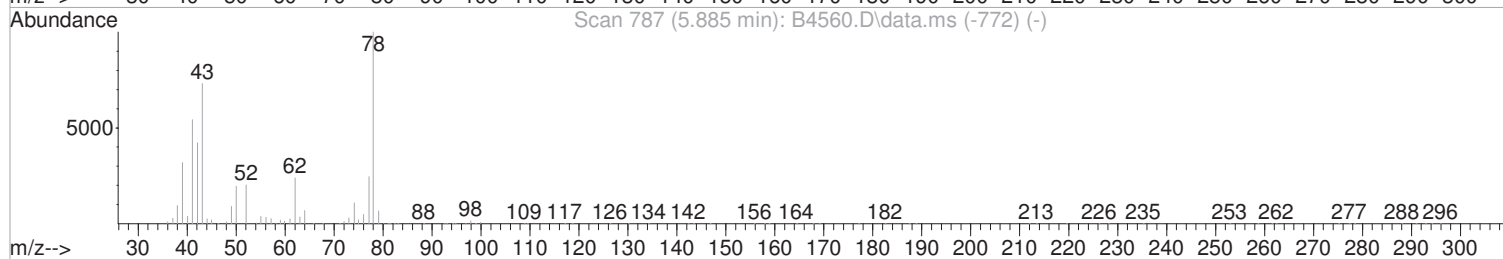
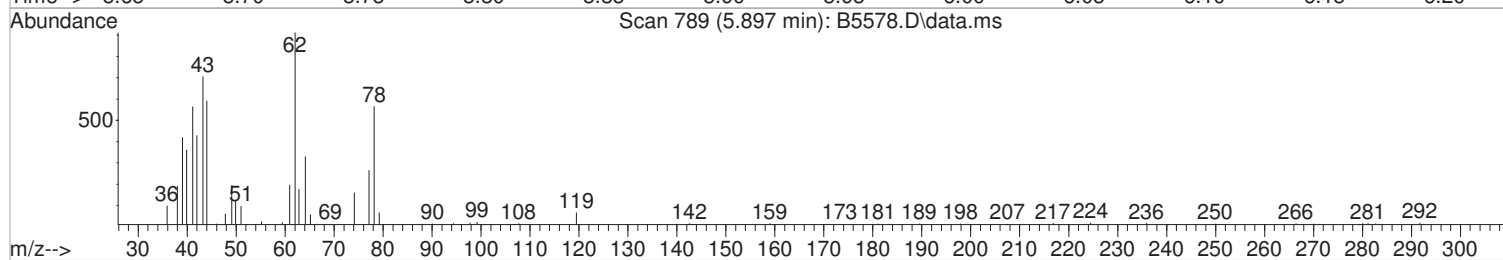
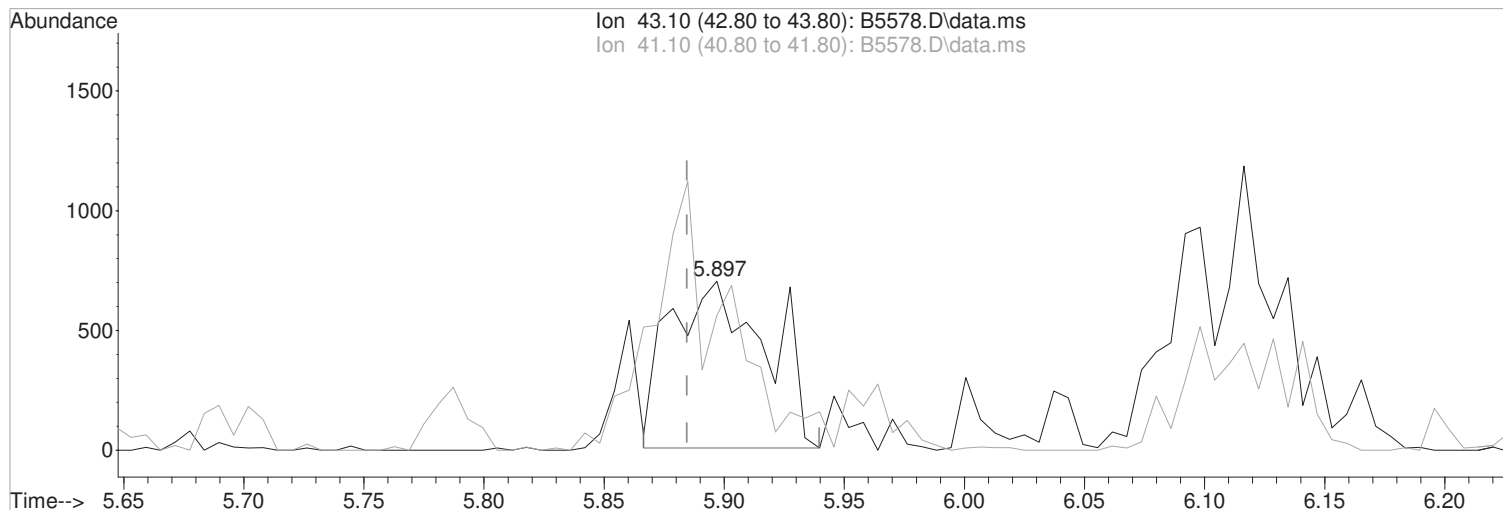
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(50) Iso-Butyl Alcohol

Manual Integration:

5.897min (+0.012) 5.99 ug/L

Before

response 1950

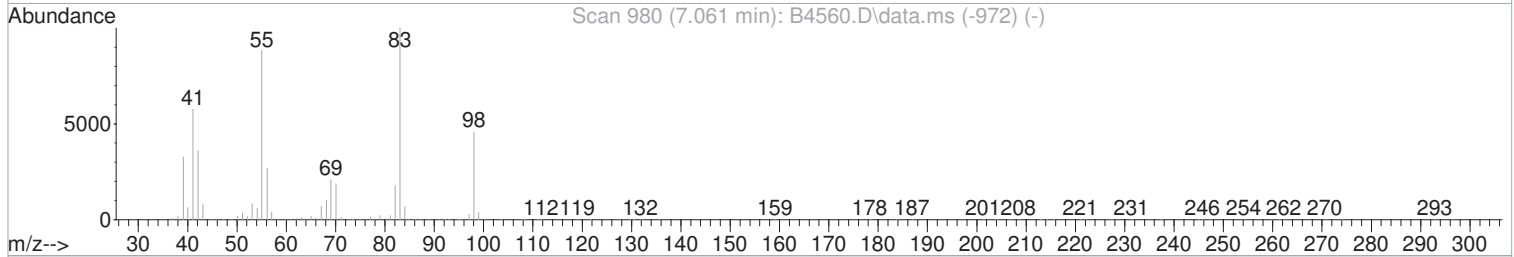
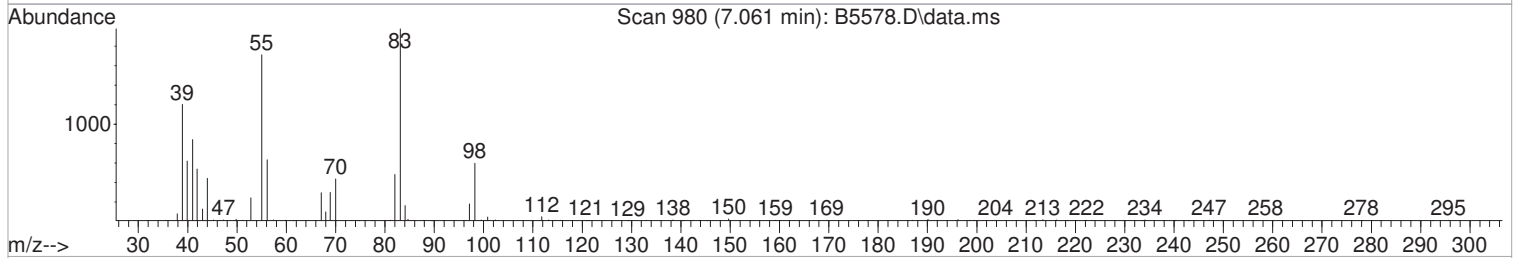
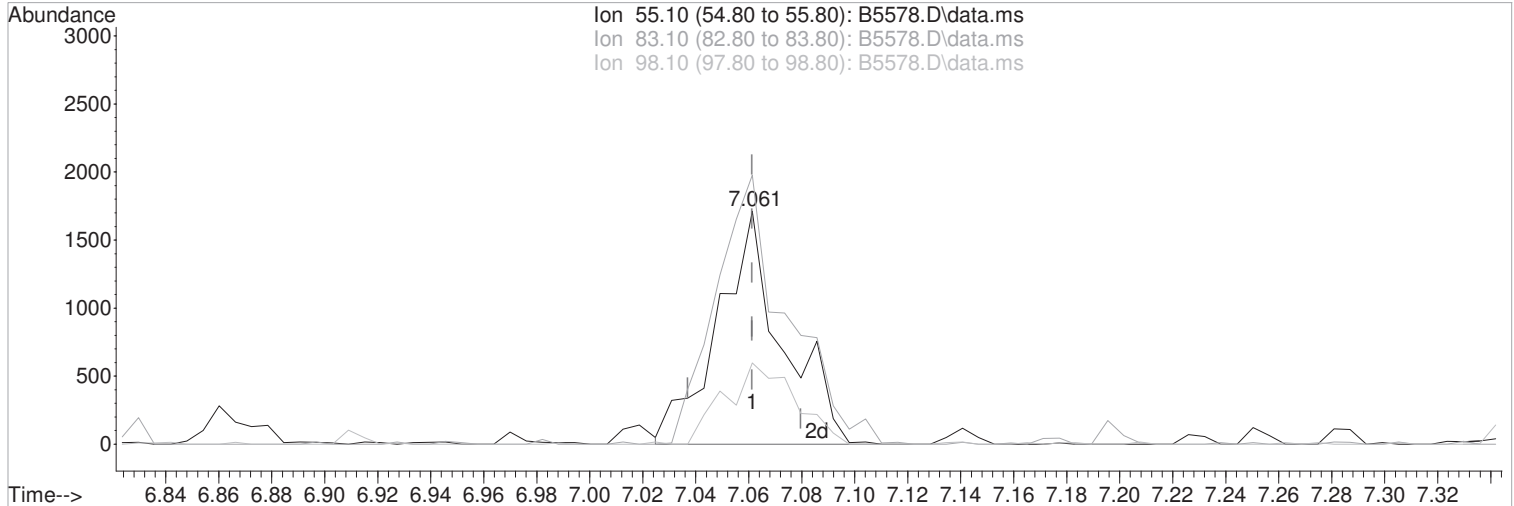
Ion	Exp%	Act%
43.10	100	100
41.10	74.50	79.86
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(55) Methylcyclohexane (P)

7.061min (+0.000) 0.54 ug/L m

response 2912

Ion	Exp%	Act%
55.10	100	100
83.10	112.90	115.55
98.10	51.70	34.95
0.00	0.00	0.00

Manual Integration:

After

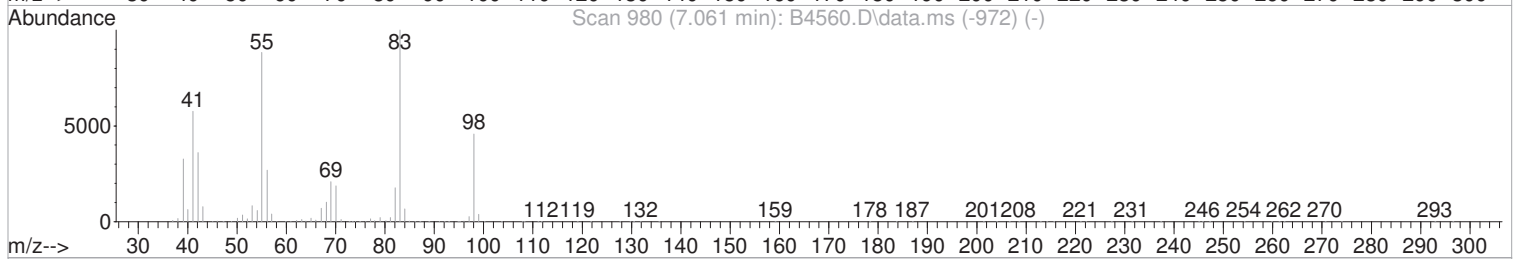
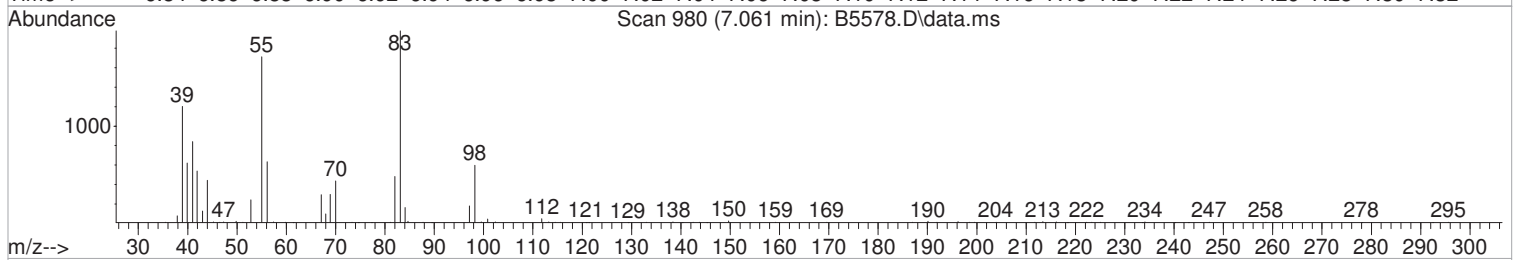
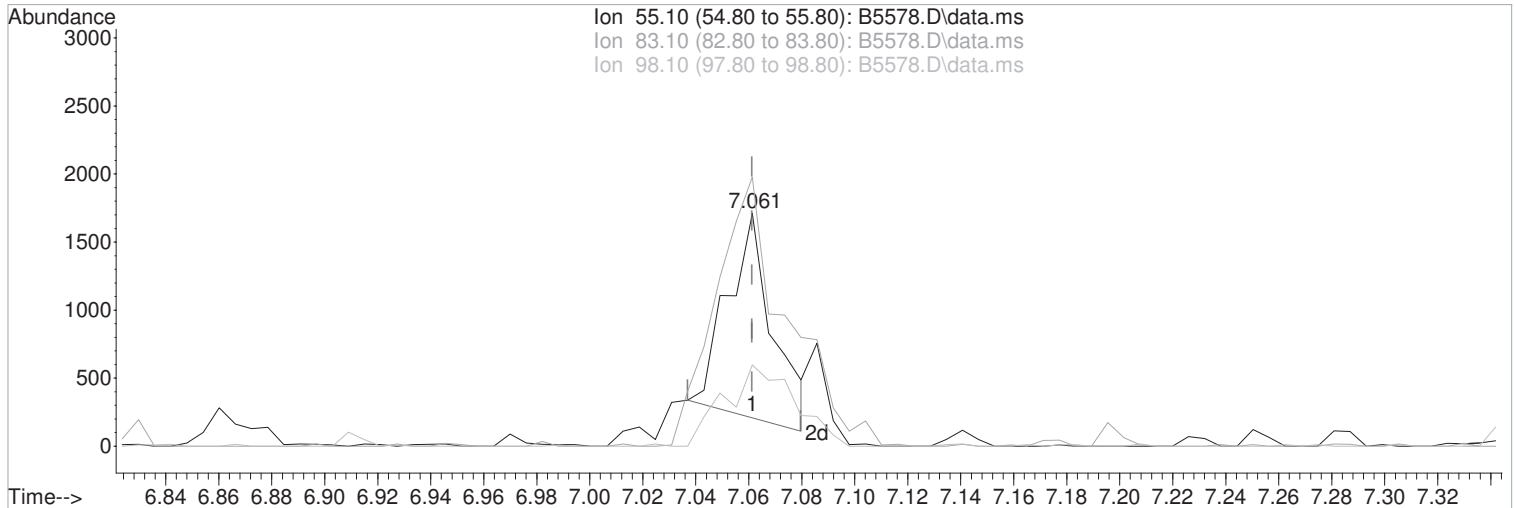
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(55) Methylcyclohexane (P)

Manual Integration:

7.061min (+0.000) 0.32 ug/L

Before

response 1739

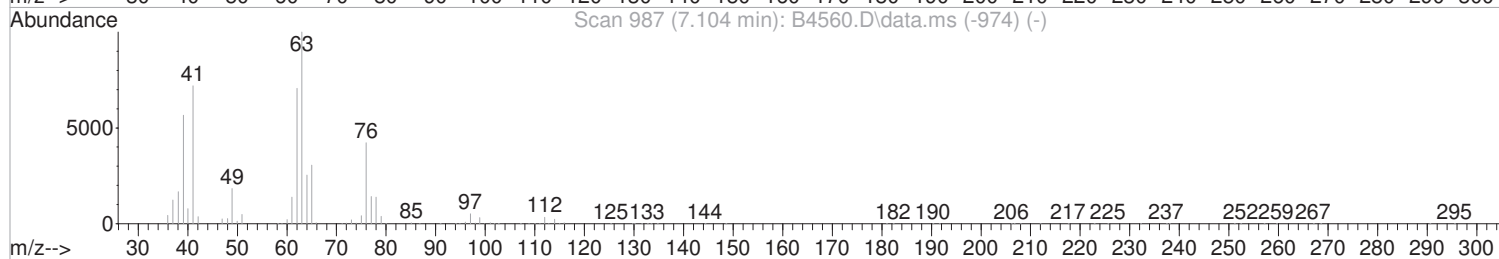
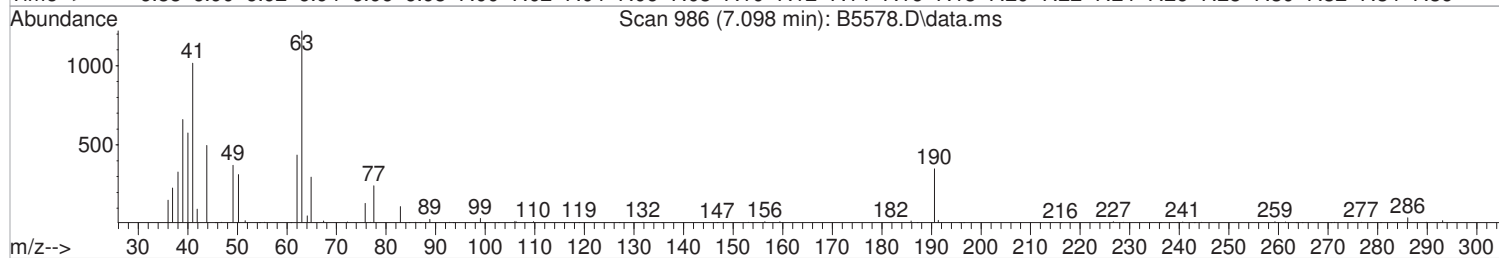
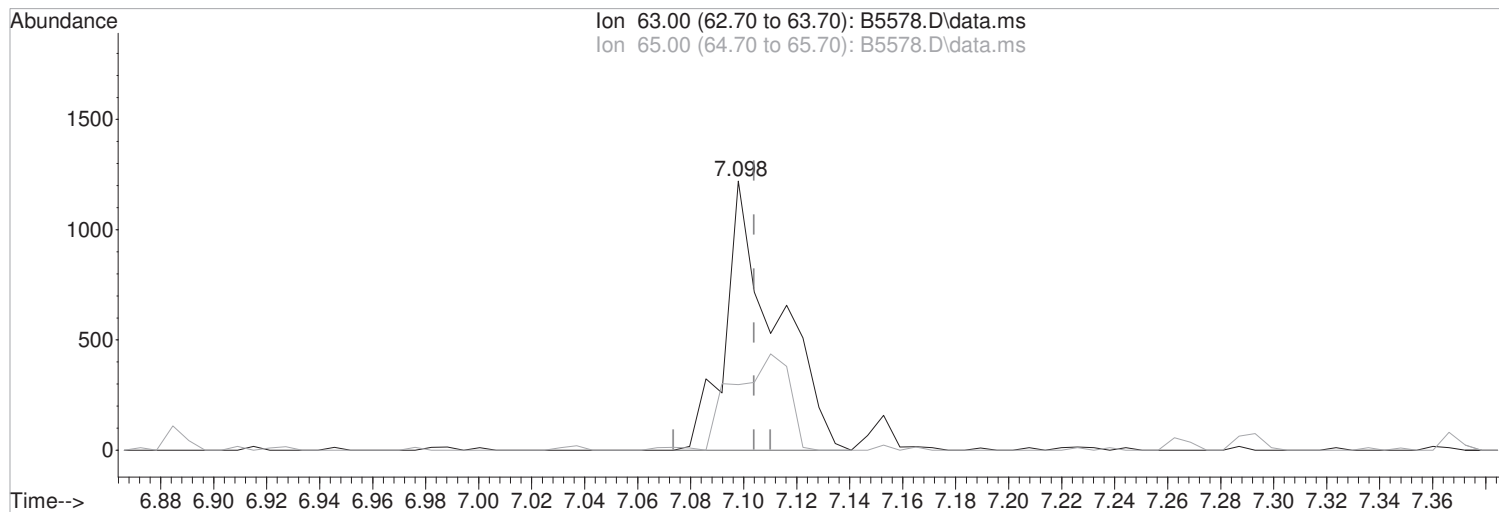
Ion	Exp%	Act%
55.10	100	100
83.10	112.90	115.55
98.10	51.70	34.95
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(56) 1,2-Dicloropropane (P)

7.098min (-0.006) 0.39 ug/L m

response 1631

Ion	Exp%	Act%
63.00	100	100
65.00	30.50	24.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

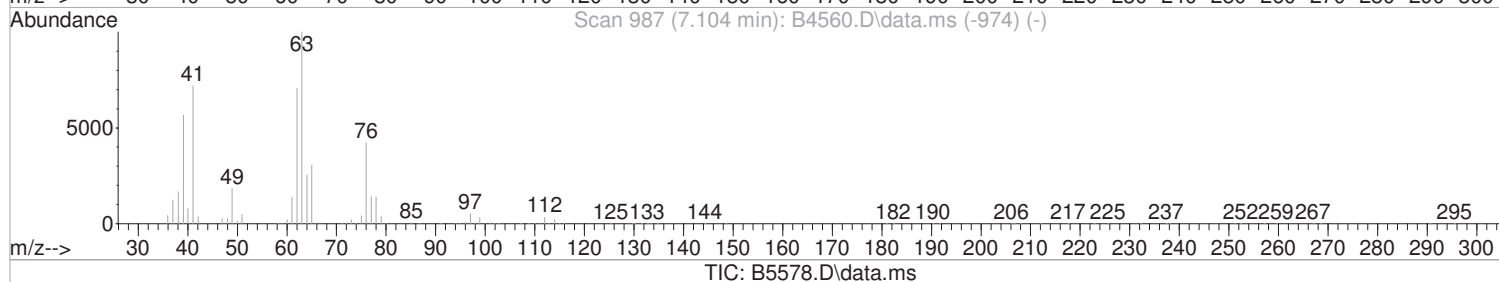
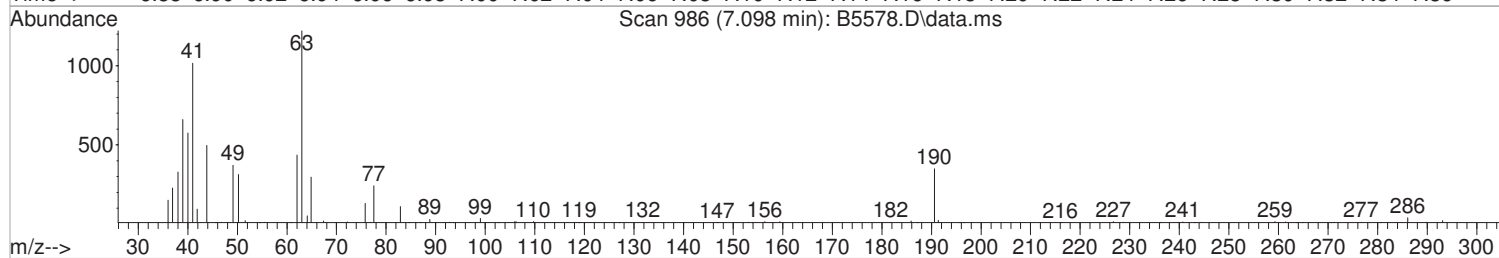
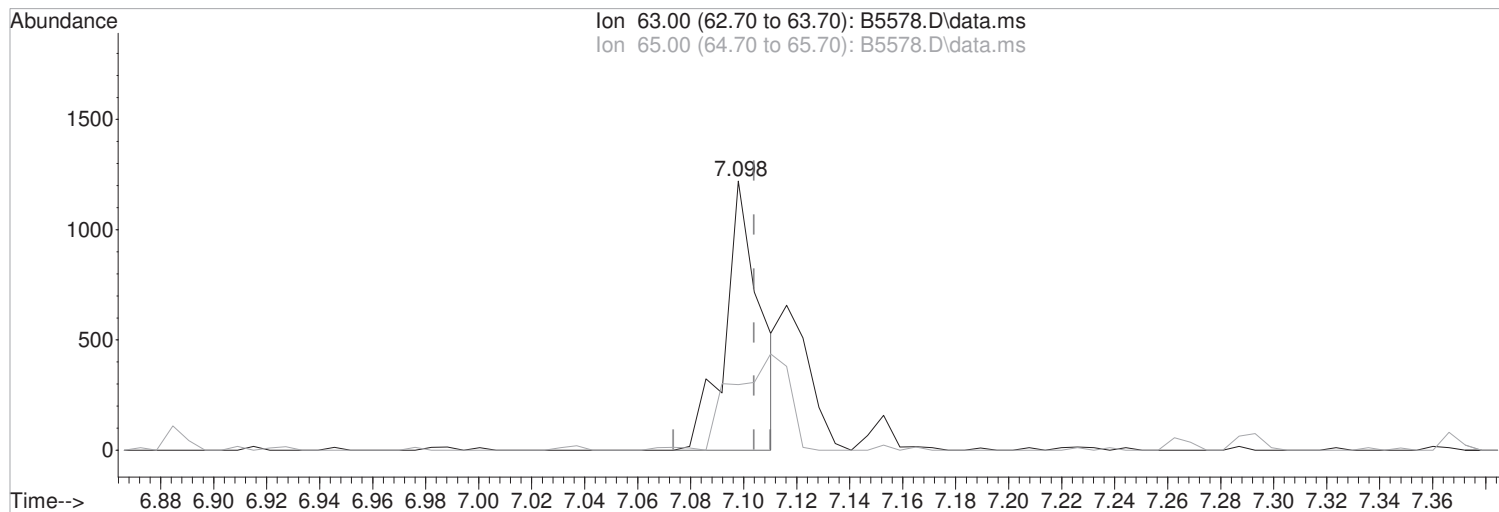
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(56) 1,2-Dicloropropane (P)

Manual Integration:

7.098min (-0.006) 0.27 ug/L

Before

response 1122

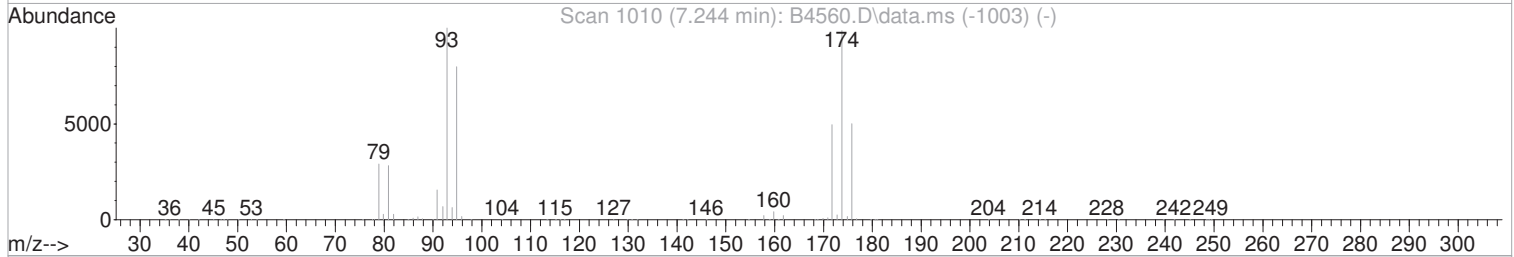
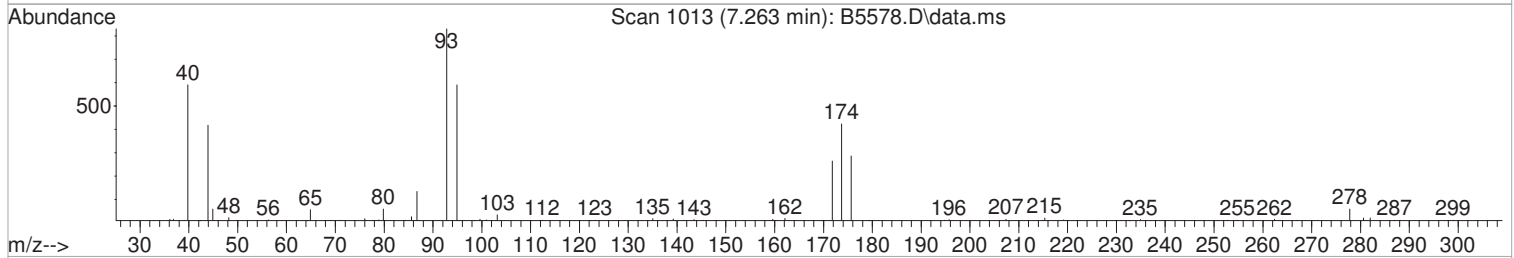
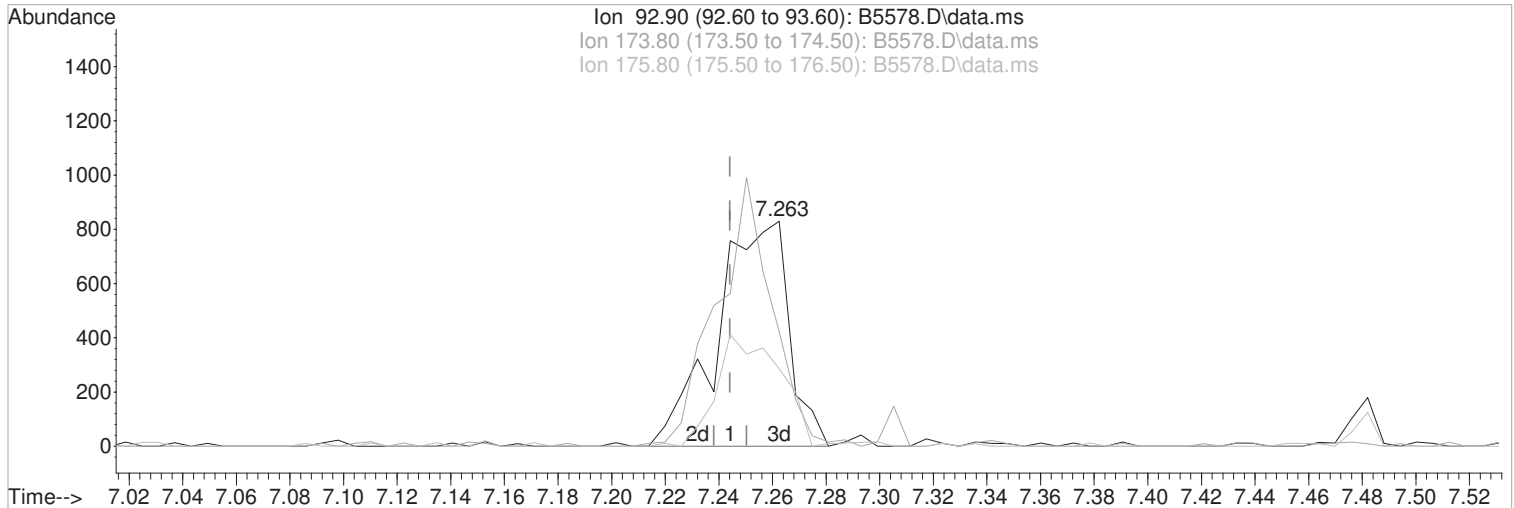
Ion	Exp%	Act%
63.00	100	100
65.00	30.50	24.34
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(57) Dibromomethane

7.263min (+0.018) 0.60 ug/L m

response 1540

Ion	Exp%	Act%
92.90	100	100
173.80	98.70	50.96#
175.80	50.10	34.46
0.00	0.00	0.00

Manual Integration:

After

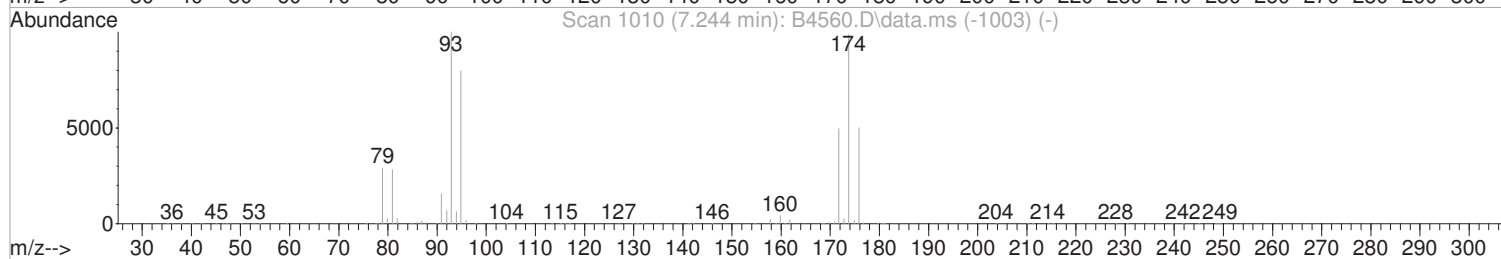
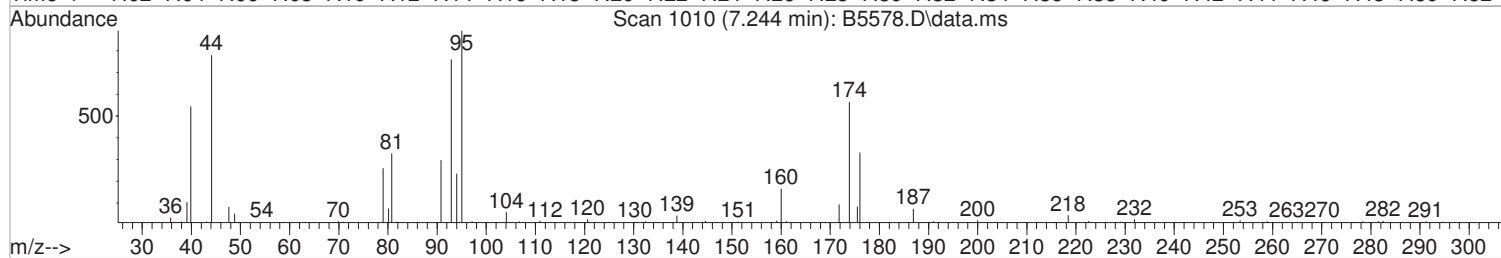
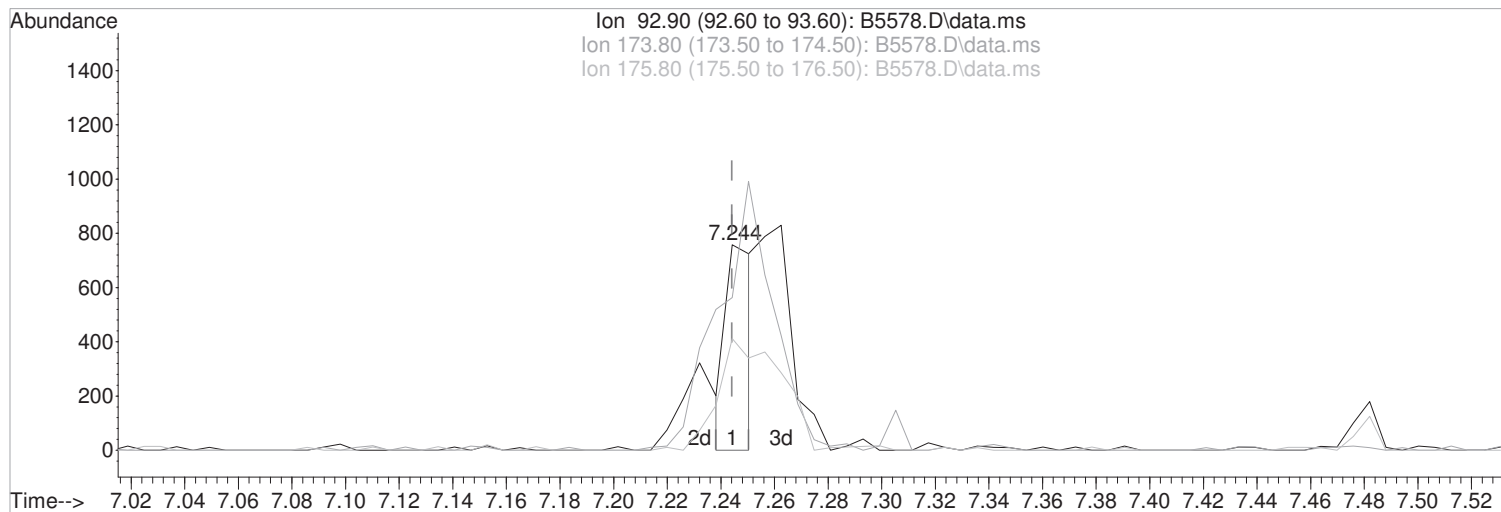
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(57) Dibromomethane

Manual Integration:

7.244min (+0.000) 0.21 ug/L

Before

response 543

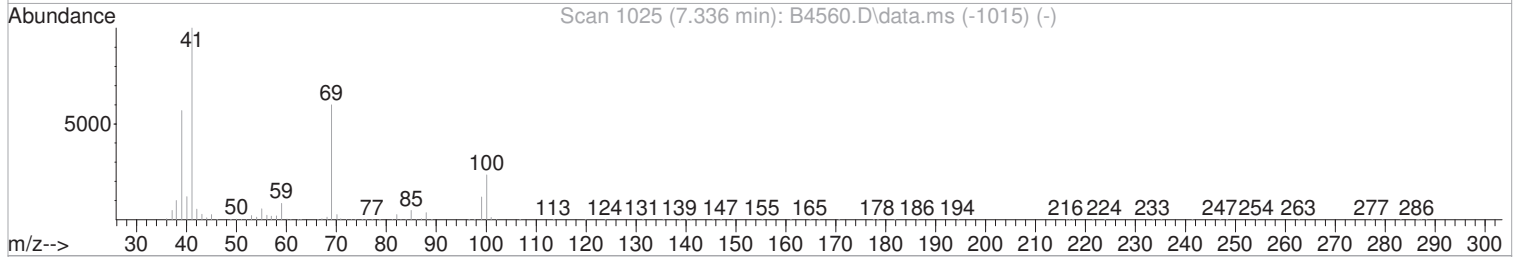
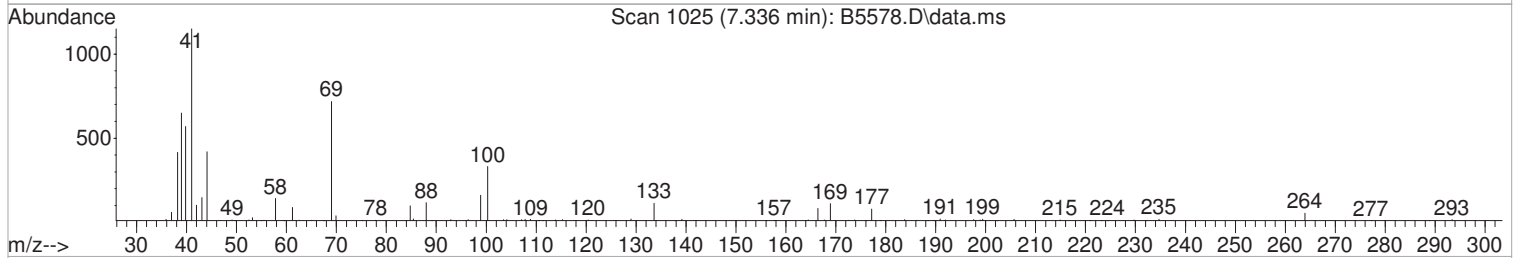
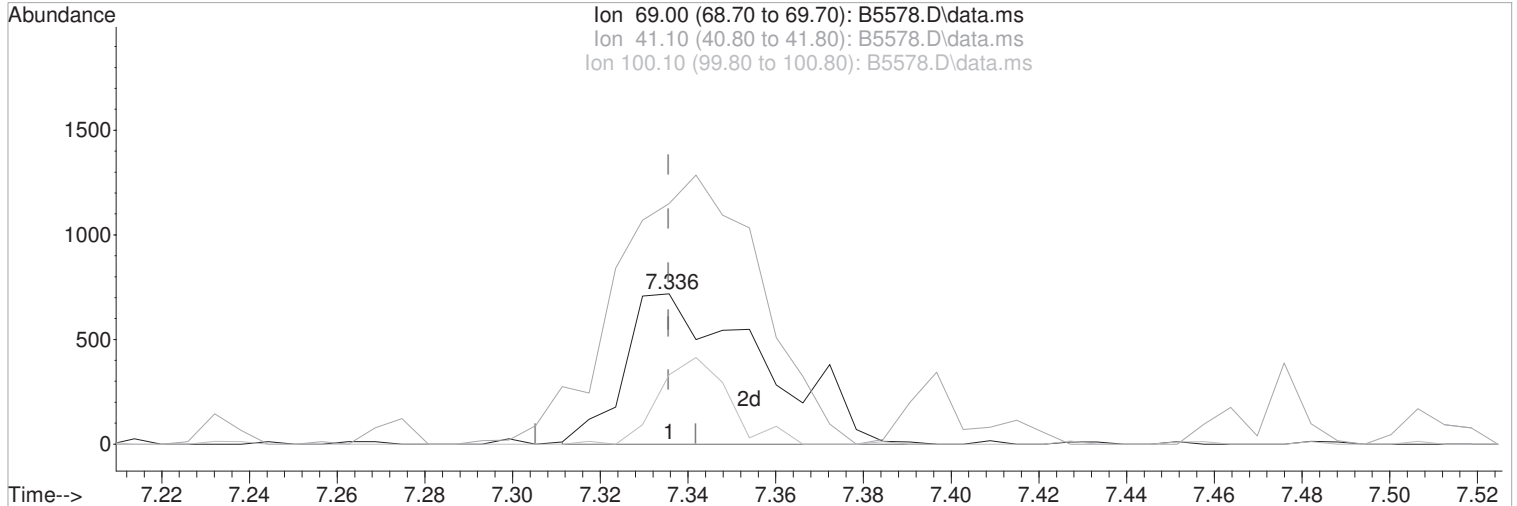
Ion	Exp%	Act%
92.90	100	100
173.80	98.70	74.27#
175.80	50.10	54.35
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(59) Methyl Methacrylate

7.336min (+0.000) 0.50 ug/L m

response 1561

Ion	Exp%	Act%
69.00	100	100
41.10	168.10	160.17
100.10	39.10	46.10
0.00	0.00	0.00

Manual Integration:

After

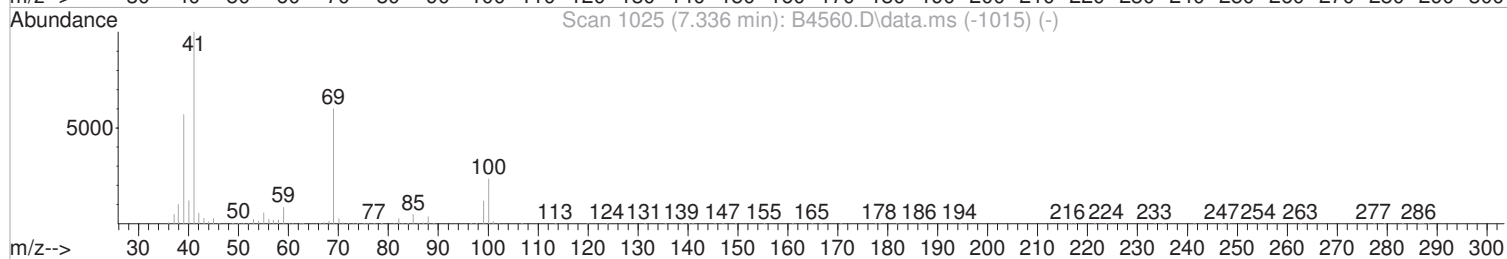
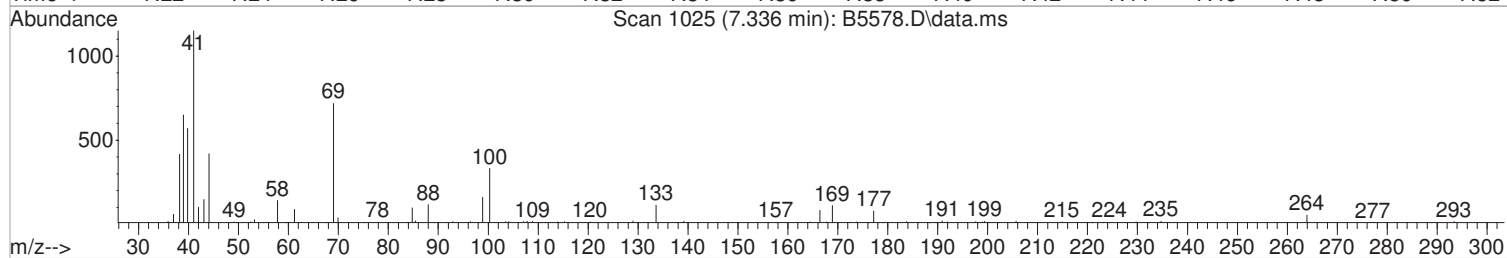
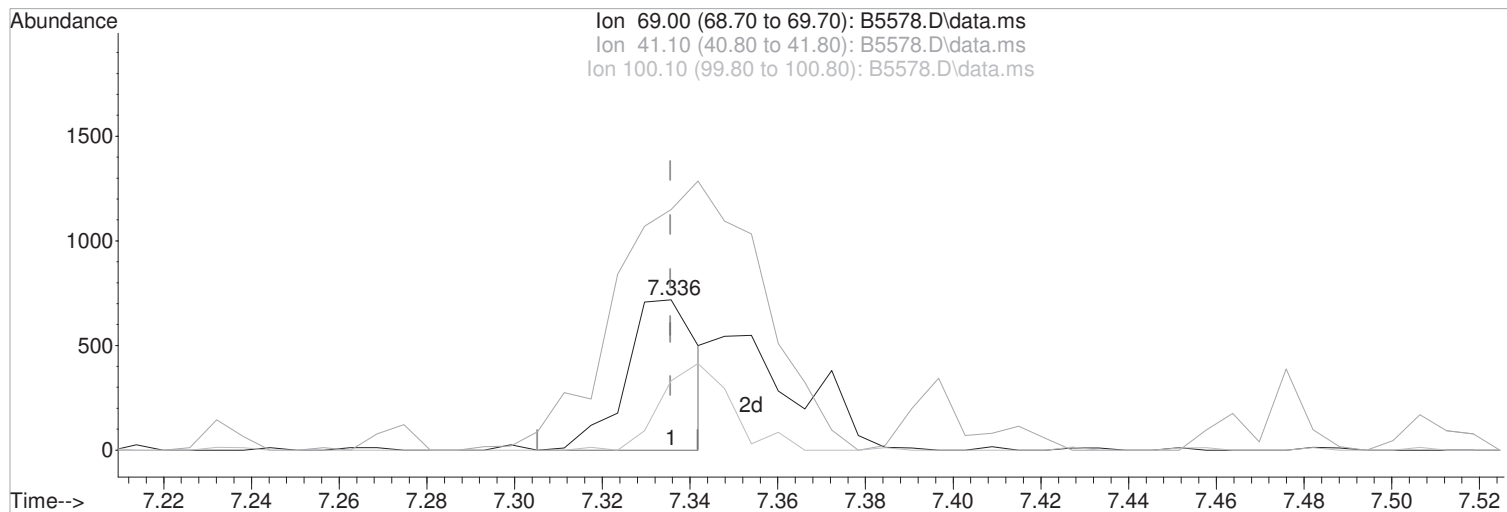
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(59) Methyl Methacrylate

Manual Integration:

7.336min (+0.000) 0.26 ug/L

Before

response 817

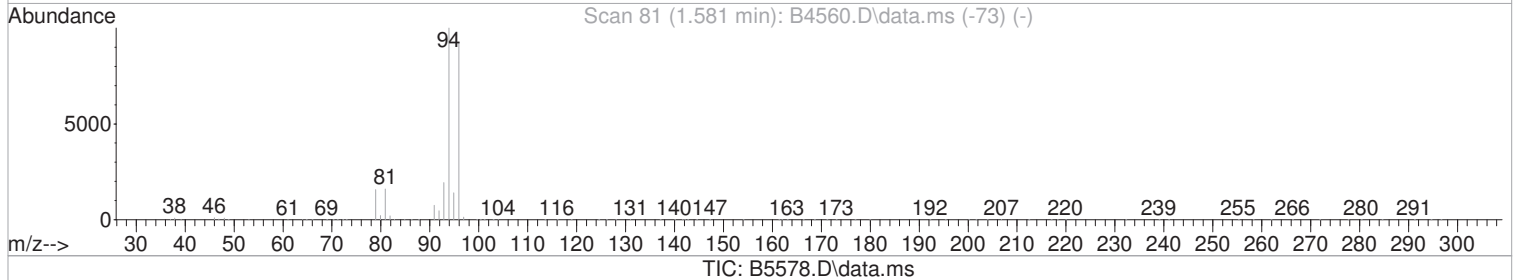
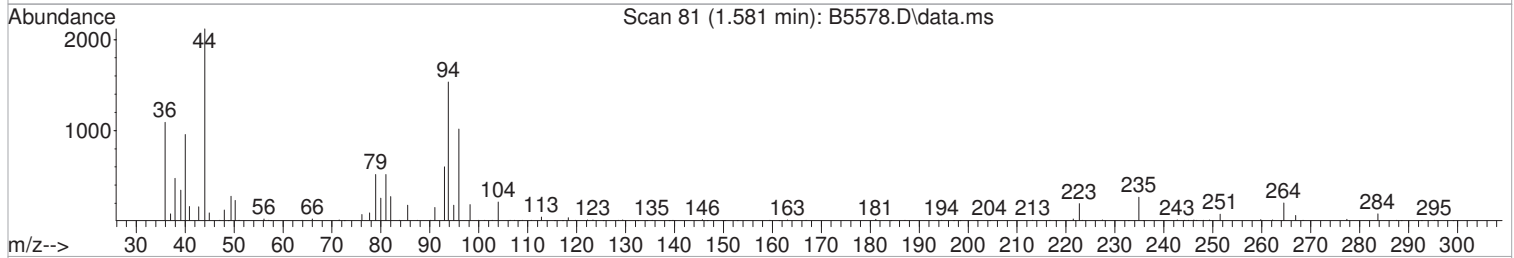
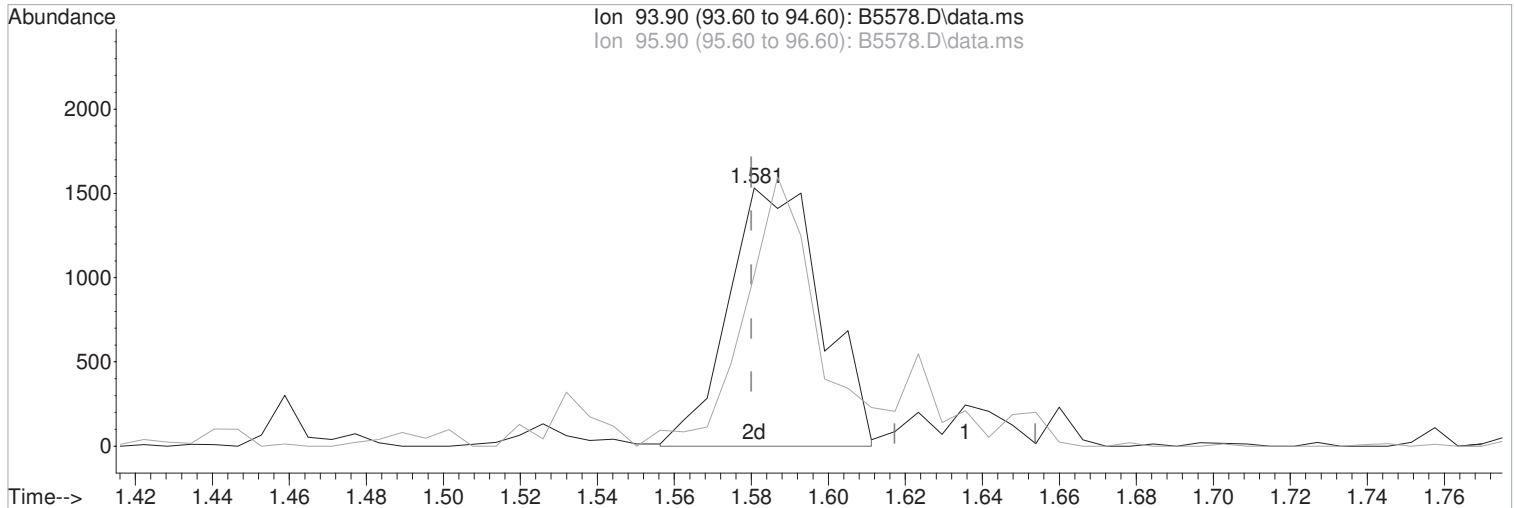
Ion	Exp%	Act%
69.00	100	100
41.10	168.10	160.17
100.10	39.10	46.10
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



(6) Bromomethane (P)

1.581min (+0.001) 1.12 ug/L m

response 2594

Ion	Exp%	Act%
93.90	100	100
95.90	92.60	66.28#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

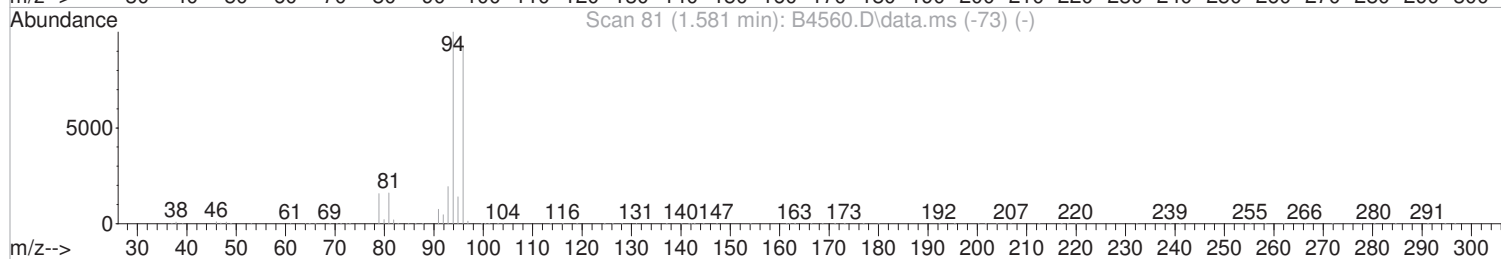
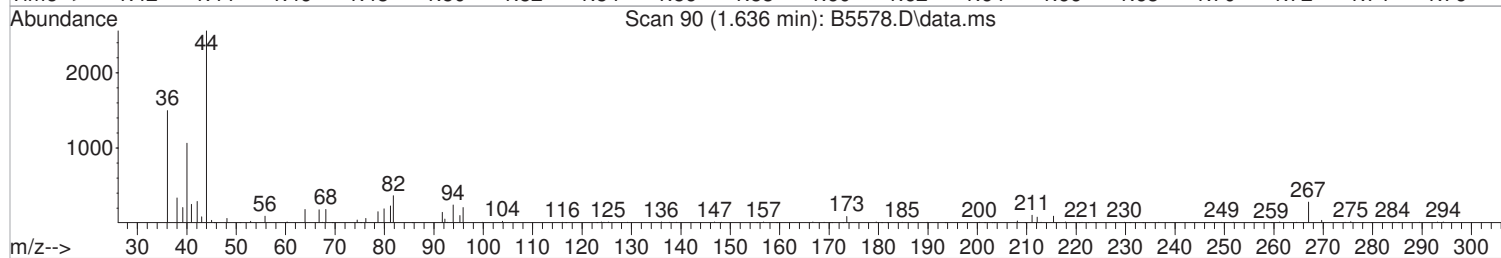
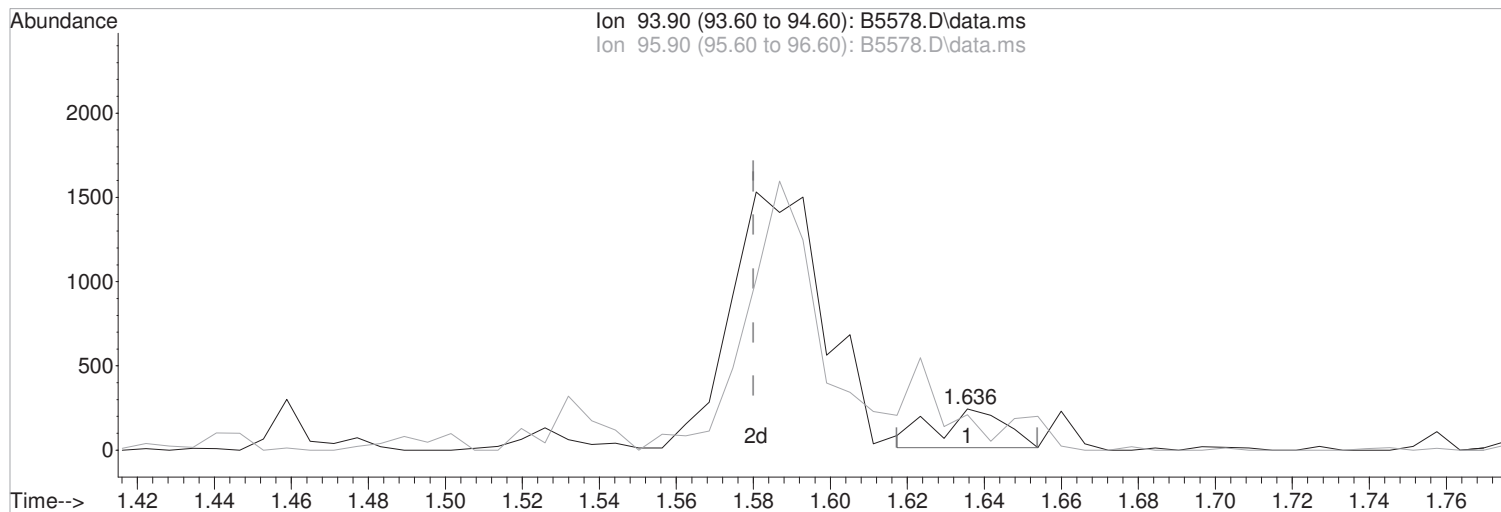
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(6) Bromomethane (P)

Manual Integration:

1.636min (+0.056) 0.12 ug/L

Before

response 283

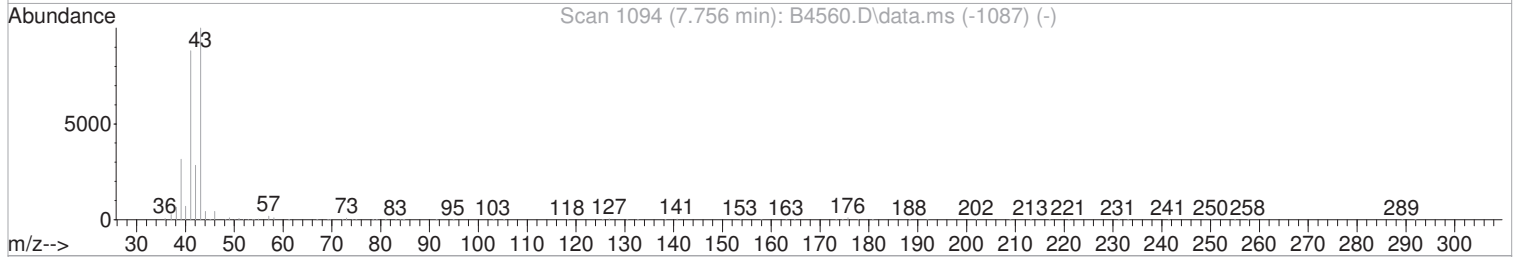
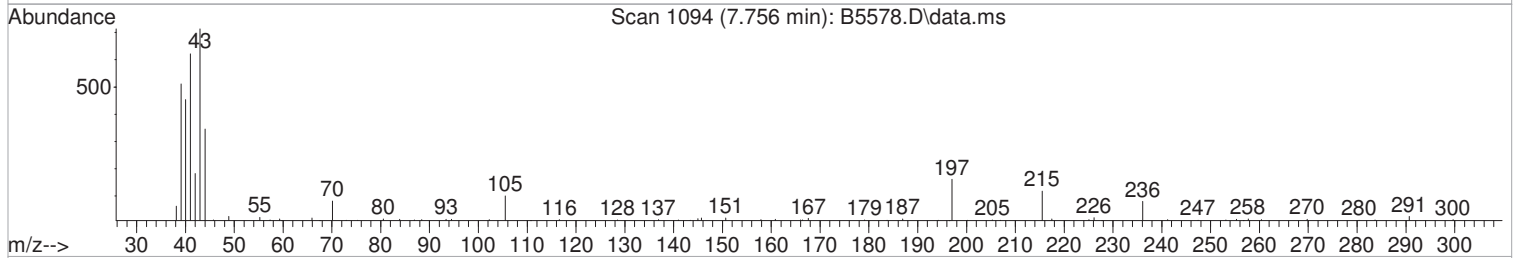
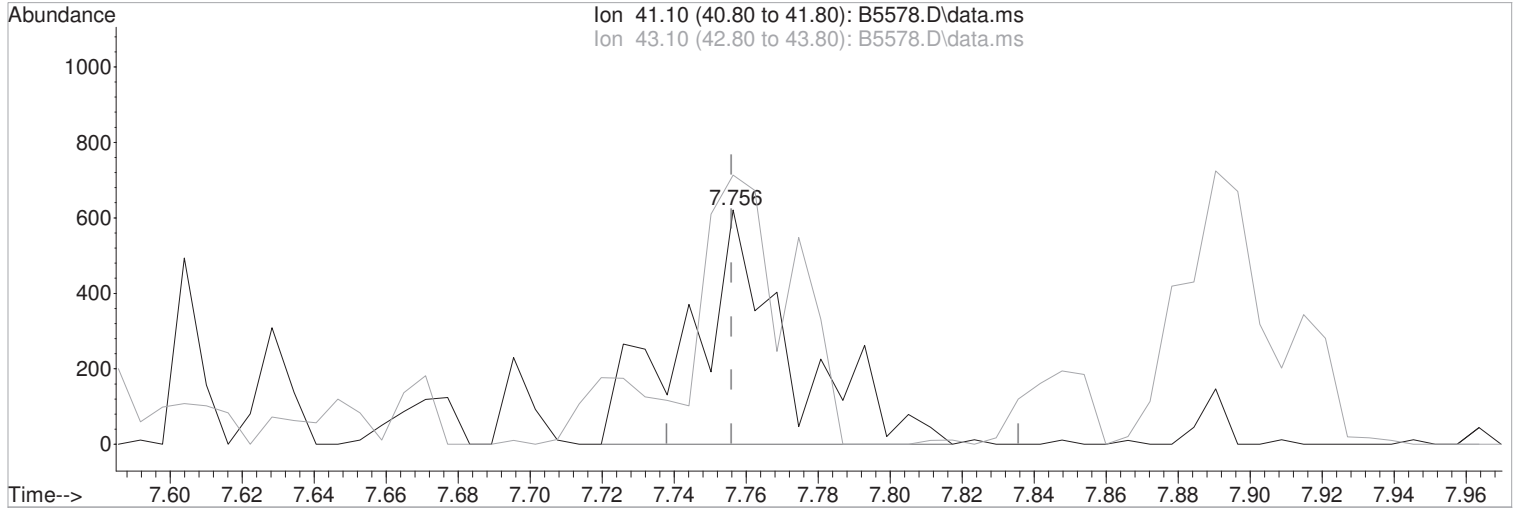
Ion	Exp%	Act%
93.90	100	100
95.90	92.60	86.48
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(61) 2-Nitropropane

7.756min (+0.000) 1.11 ug/L m

response 1239

Ion	Exp%	Act%
41.10	100	100
43.10	113.00	114.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

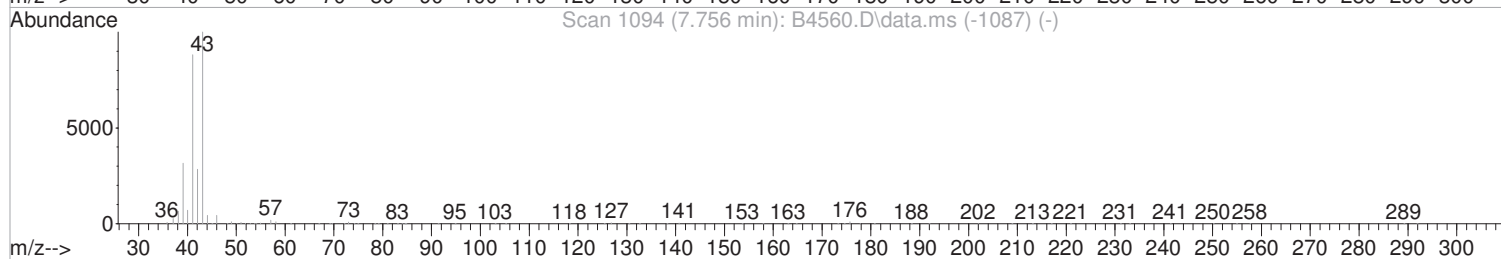
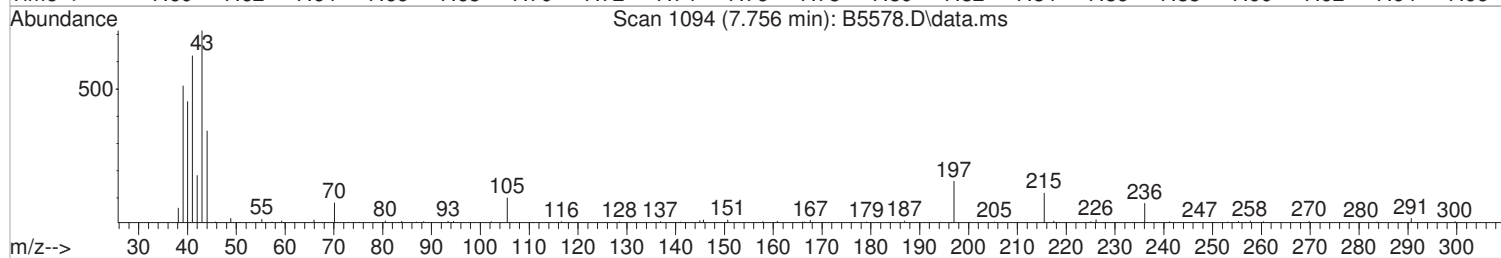
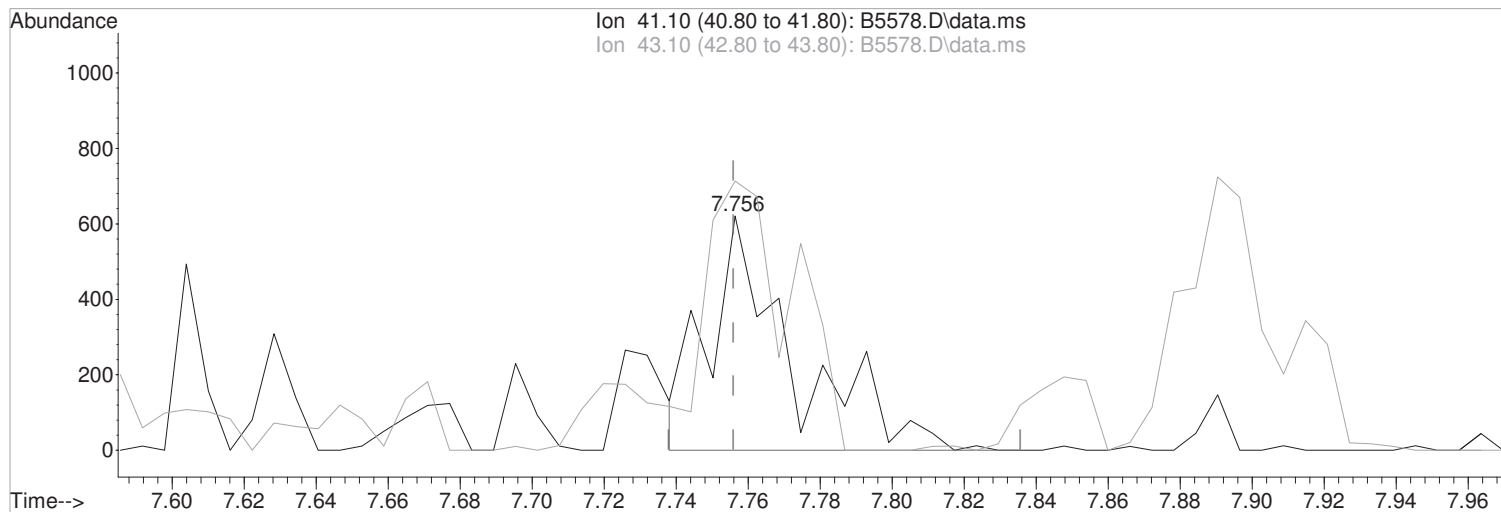
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(61) 2-Nitropropane

Manual Integration:

7.756min (+0.000) 0.90 ug/L

Before

response 1006

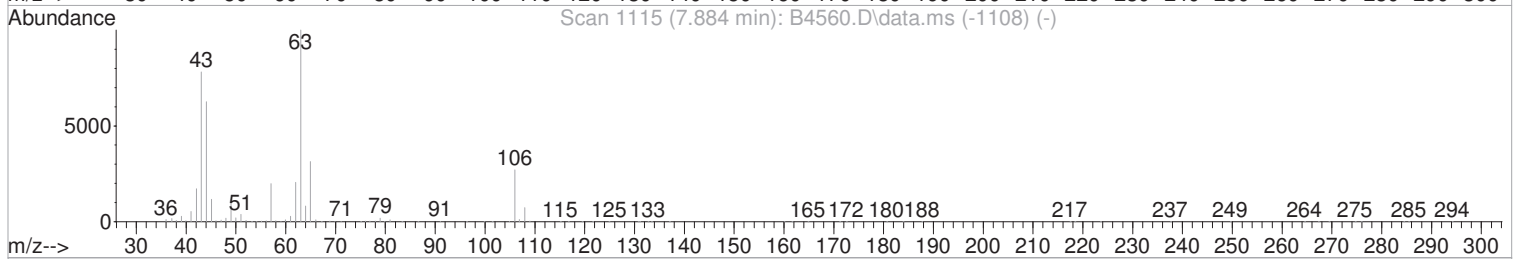
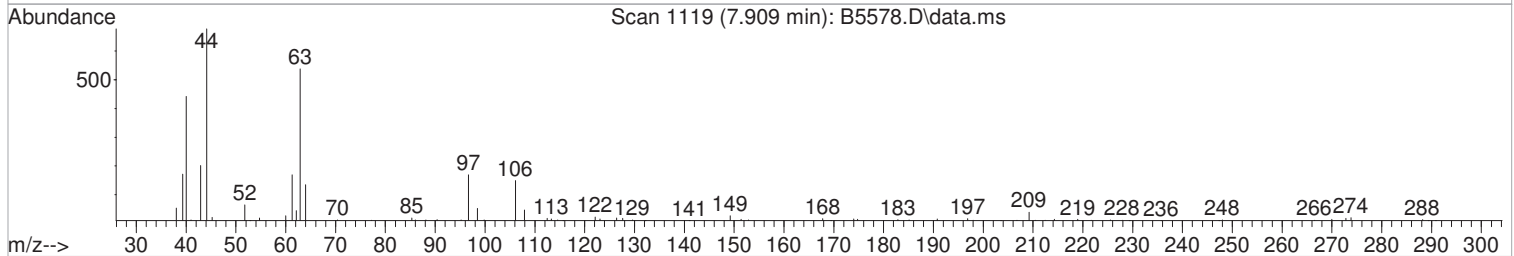
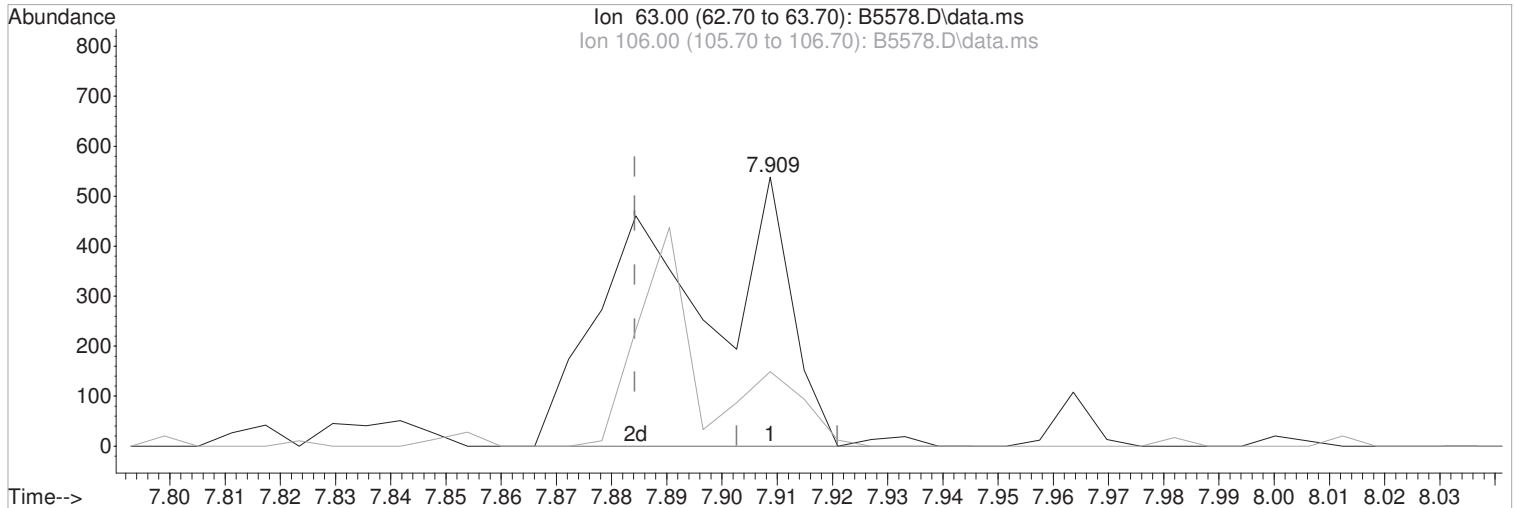
Ion	Exp%	Act%
41.10	100	100
43.10	113.00	114.81
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(62) 2-Chloroethylvinyl Ether

7.909min (+0.024) 0.35 ug/L m

response 889

Ion	Exp%	Act%
63.00	100	100
106.00	27.00	27.70
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

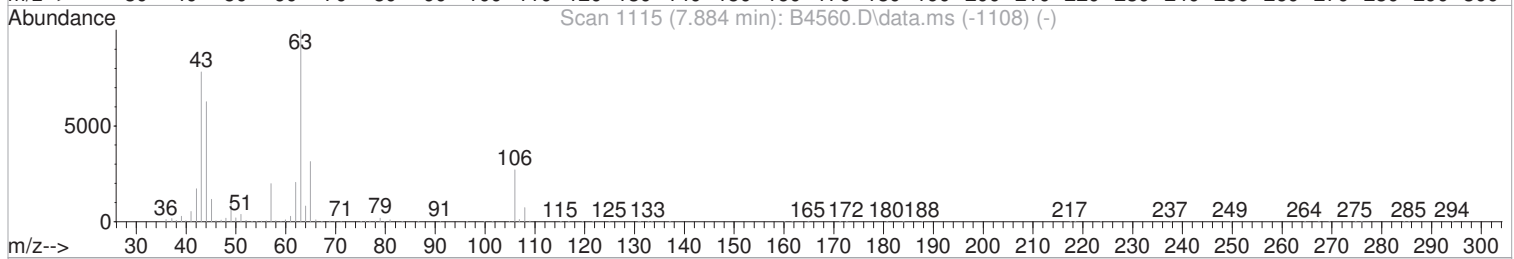
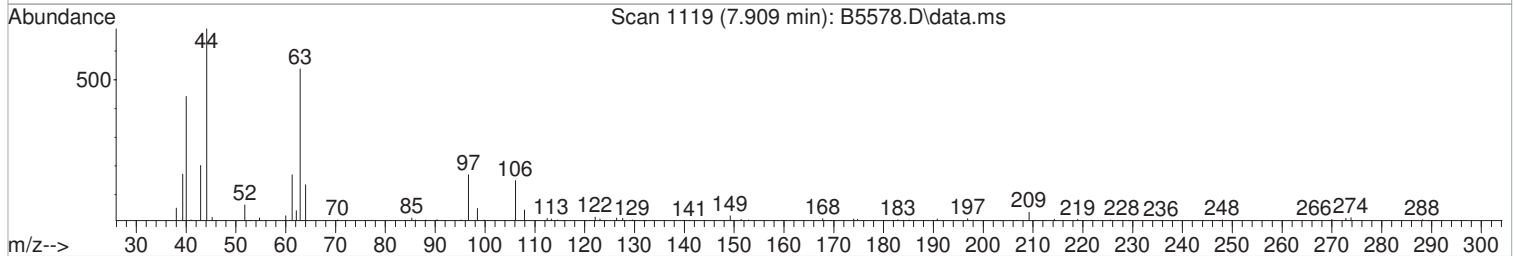
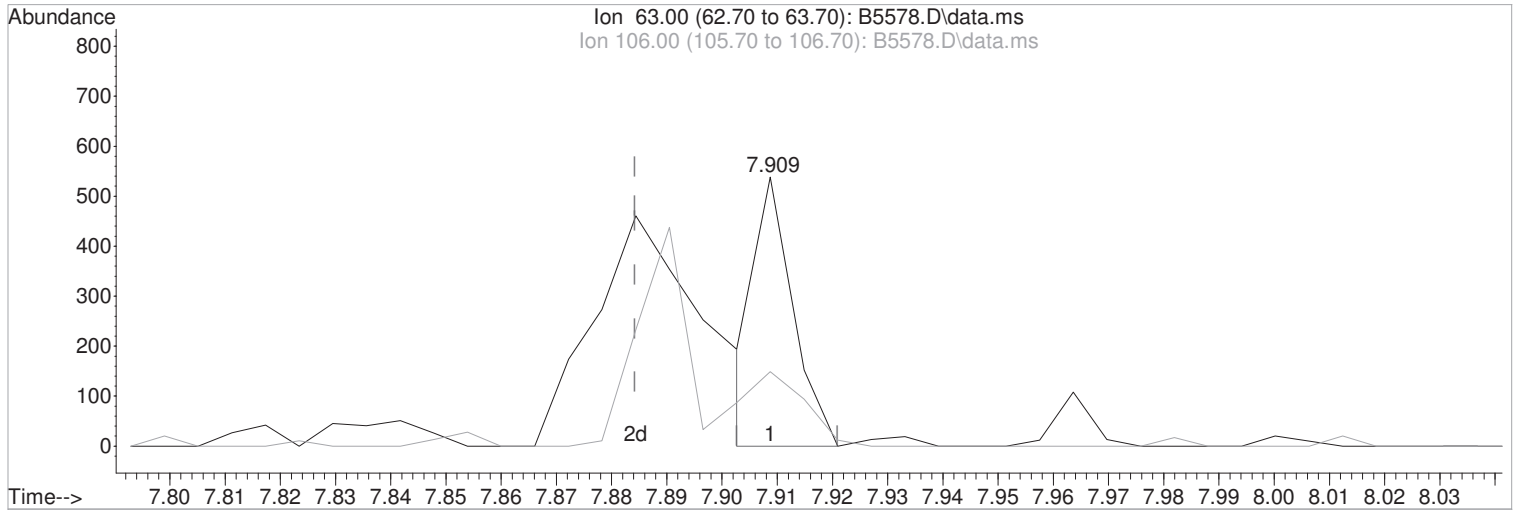
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(62) 2-Chloroethylvinyl Ether

Manual Integration:

7.909min (+0.024) 0.10 ug/L

Before

response 252

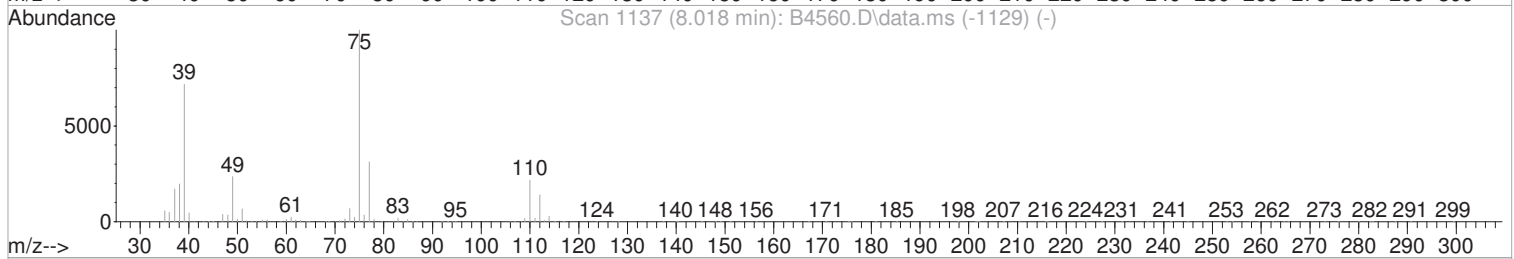
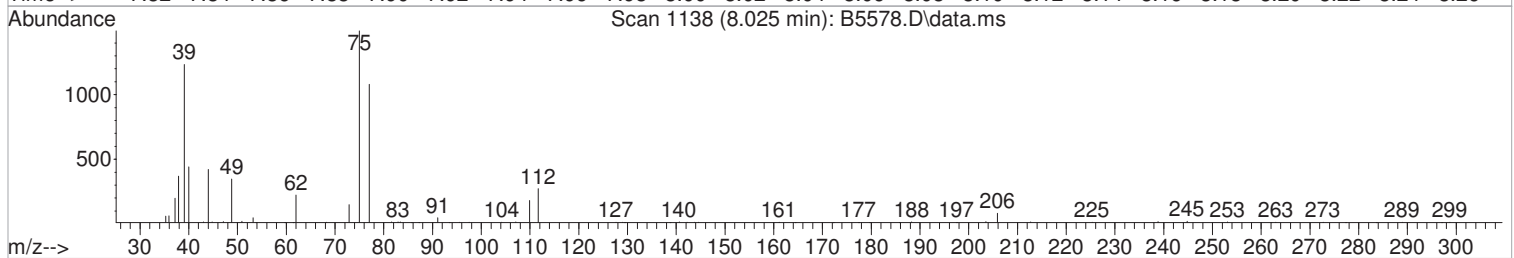
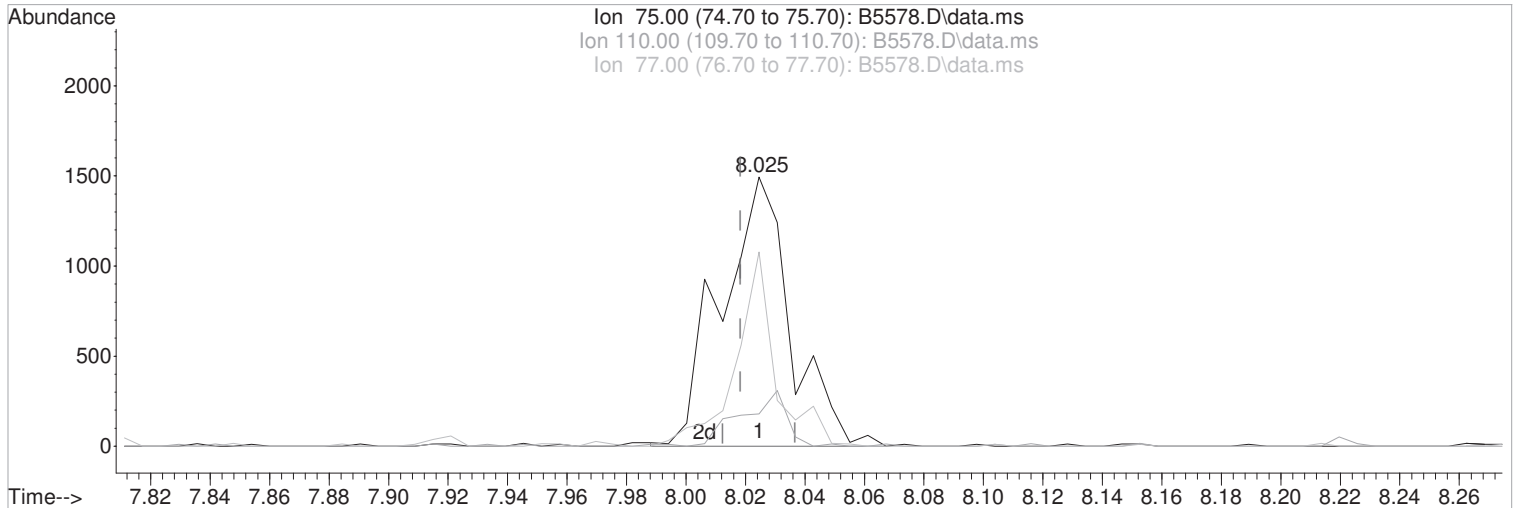
Ion	Exp%	Act%
63.00	100	100
106.00	27.00	27.70
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.025min (+0.006) 0.47 ug/L m

response 2428

Ion	Exp%	Act%
75.00	100	100
110.00	21.80	12.06
77.00	31.20	72.27#
0.00	0.00	0.00

Manual Integration:

After

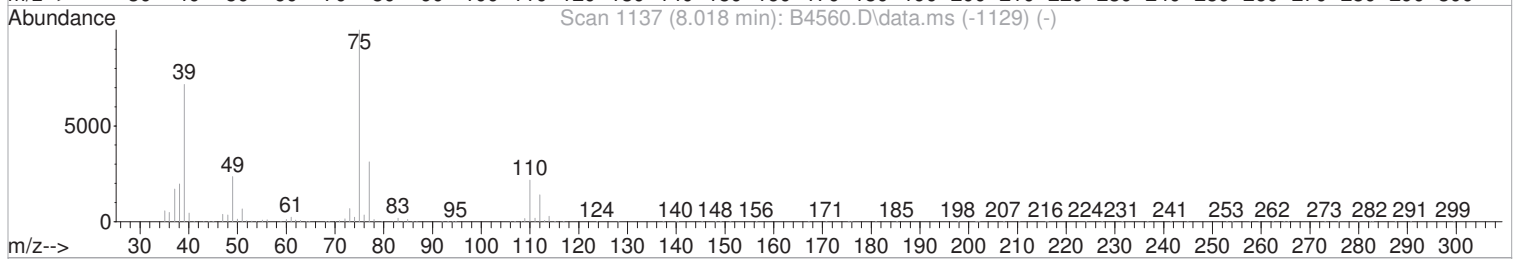
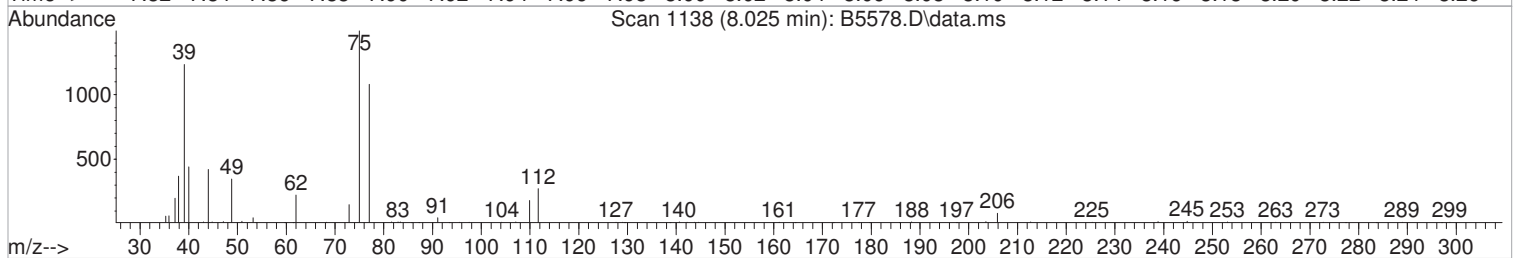
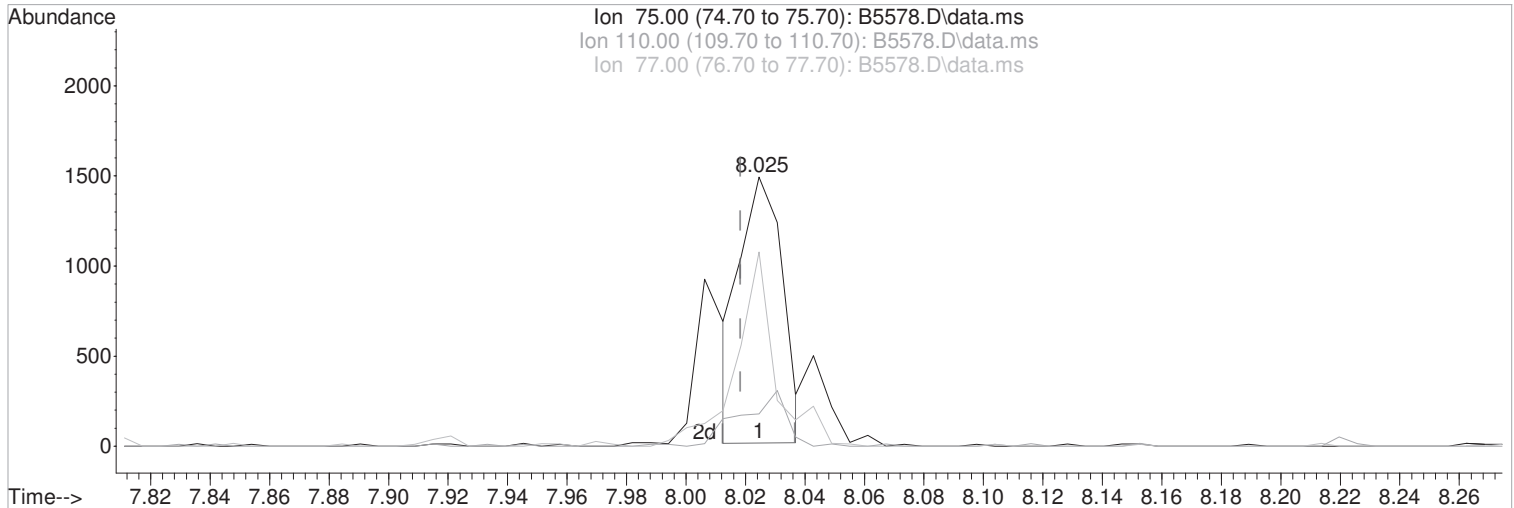
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(63) cis-1,3-Dichloropropene (P)

Manual Integration:

8.025min (+0.006) 0.29 ug/L

Before

response 1463

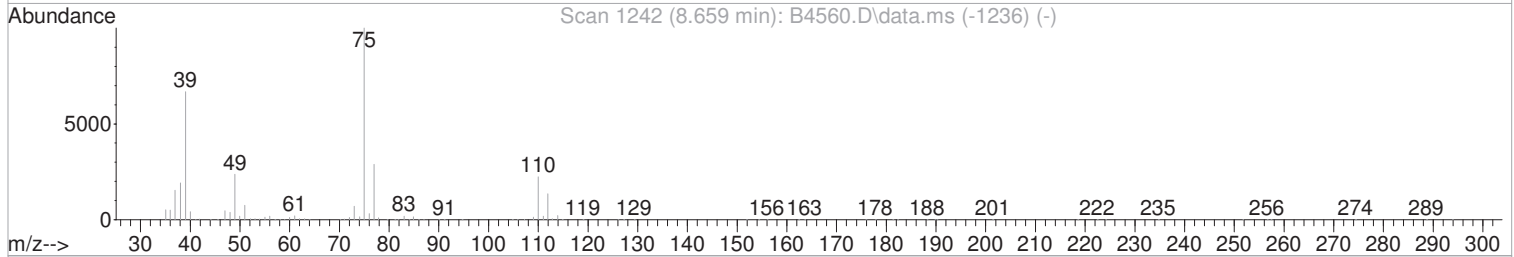
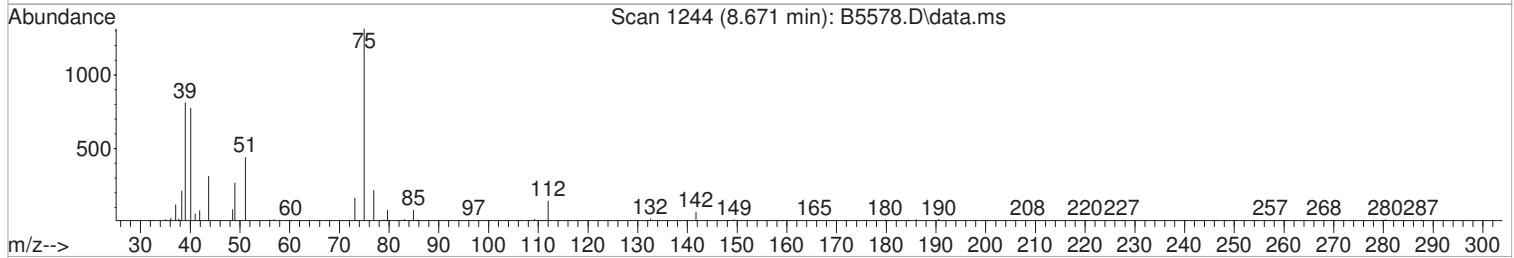
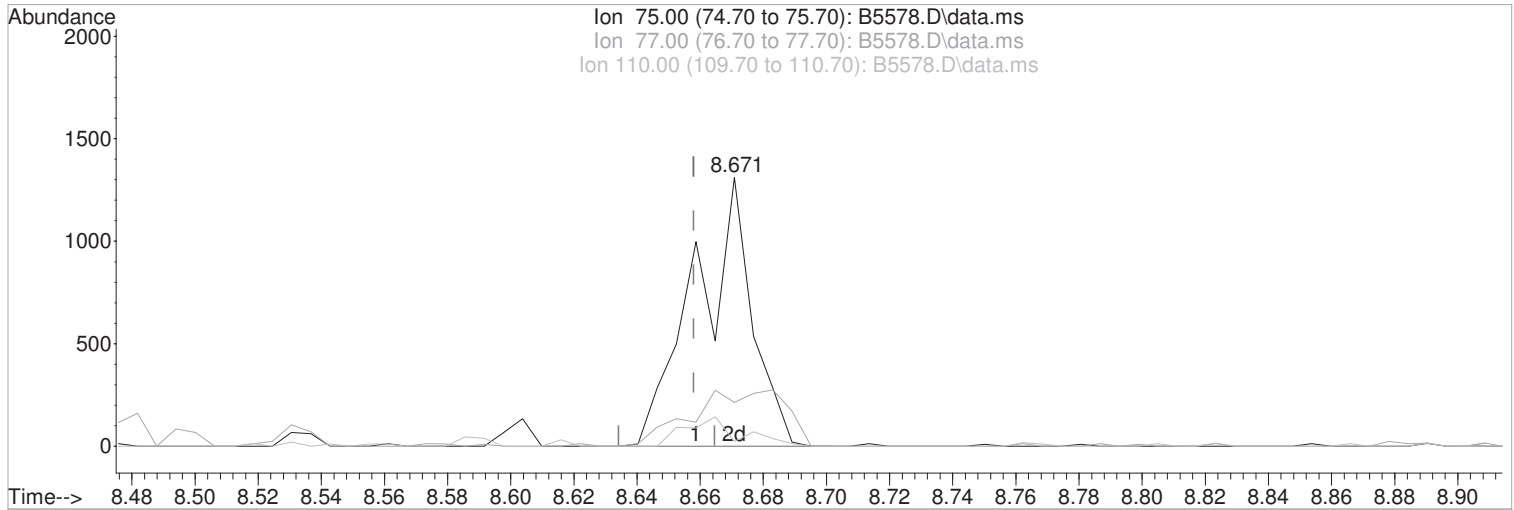
Ion	Exp%	Act%
75.00	100	100
110.00	21.80	12.06
77.00	31.20	72.27#
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

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

8.671min (+0.013) 0.37 ug/L m

response 1632

Ion	Exp%	Act%
75.00	100	100
77.00	28.90	16.31
110.00	22.40	0.99#
0.00	0.00	0.00

Manual Integration:

After

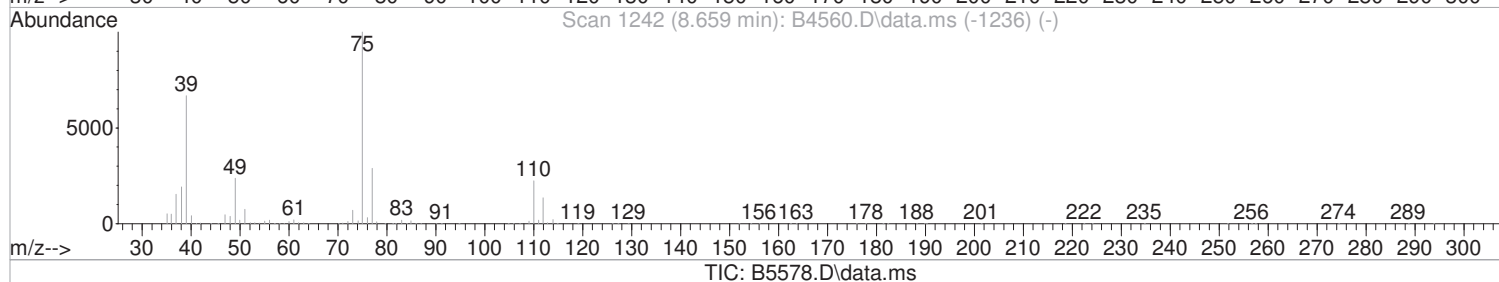
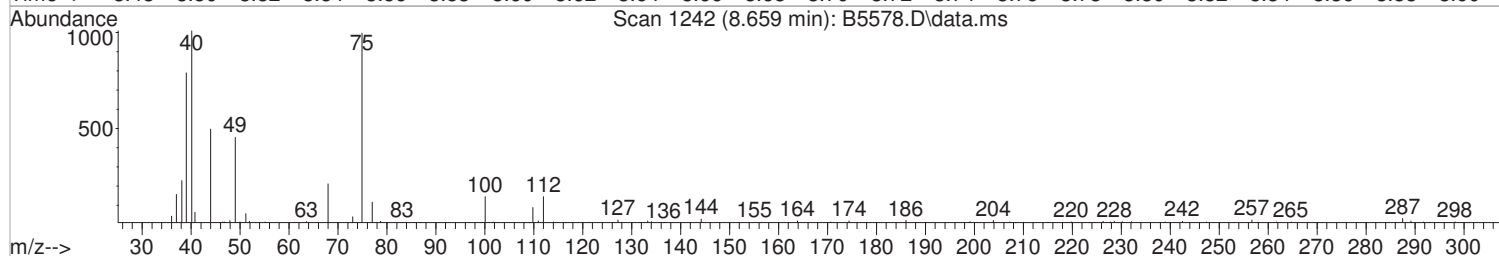
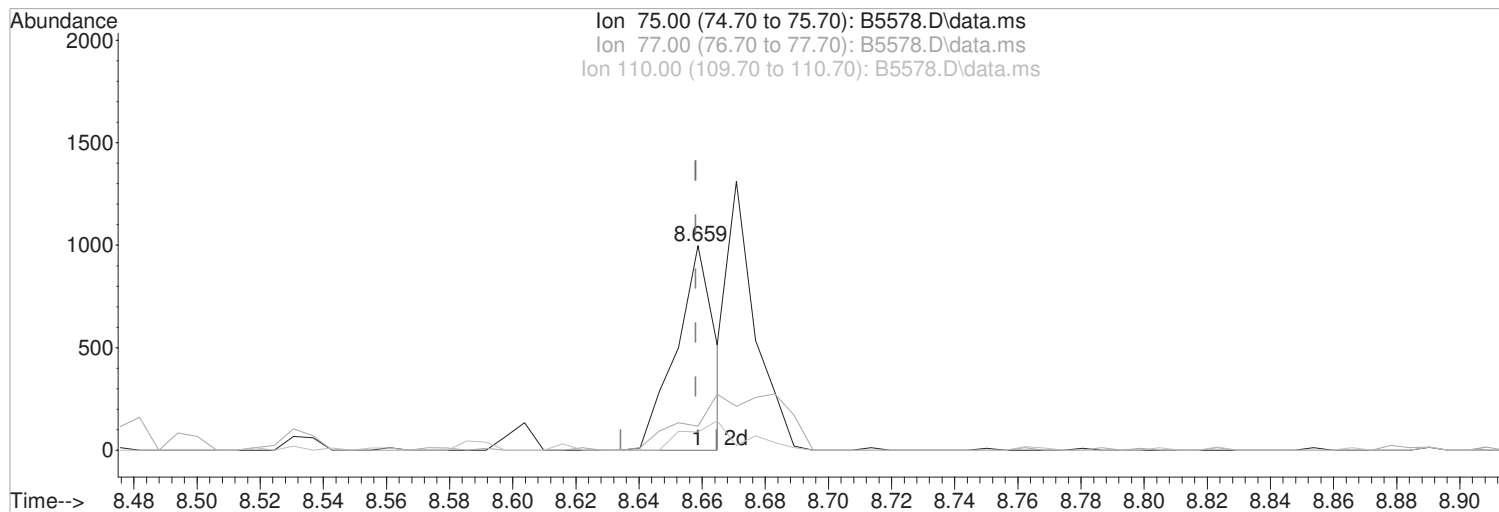
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



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

Manual Integration:

8.659min (+0.001) 0.19 ug/L

Before

response 844

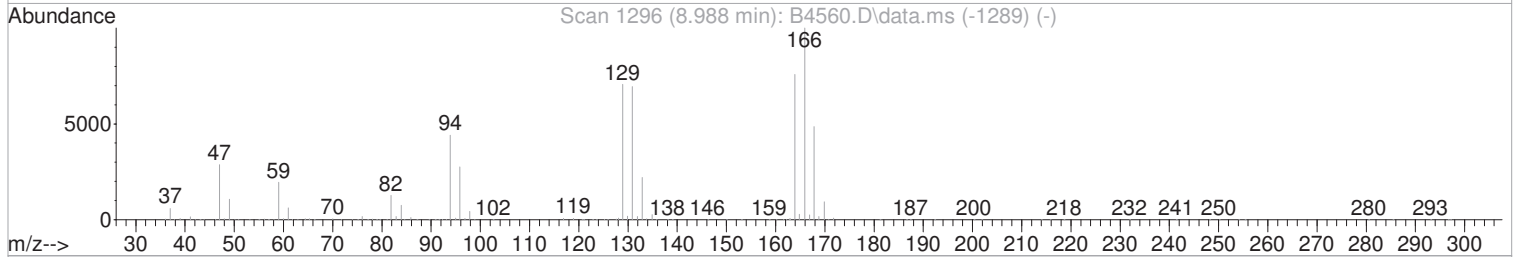
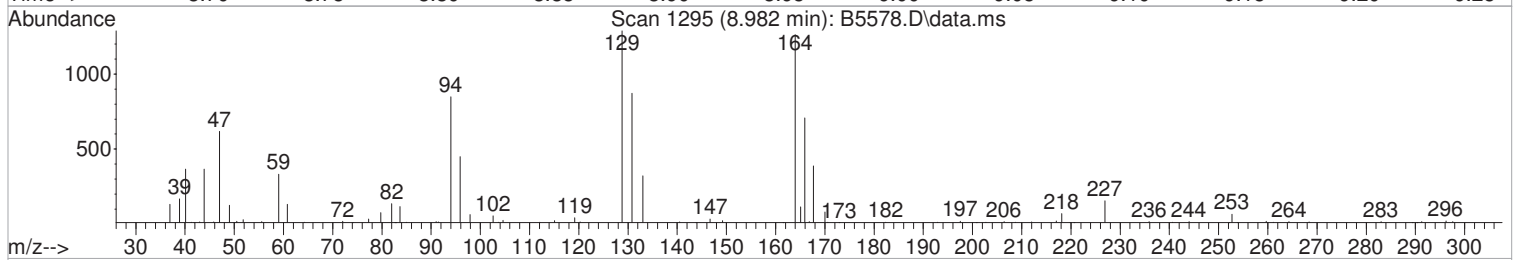
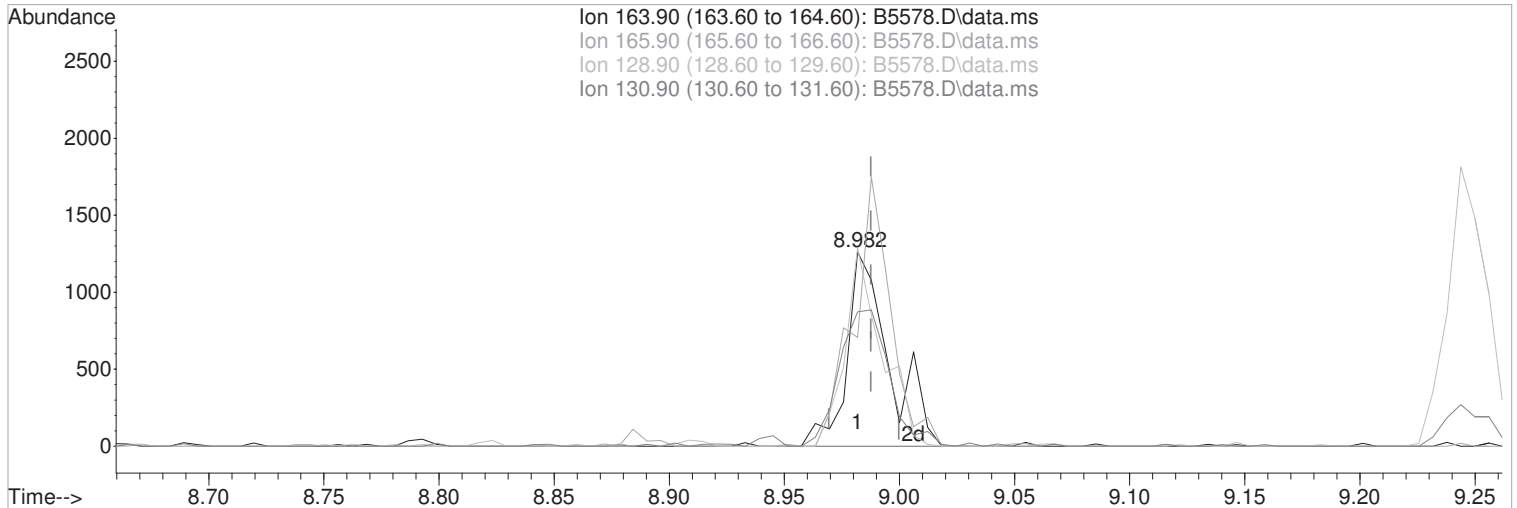
Ion	Exp%	Act%
75.00	100	100
77.00	28.90	11.74
110.00	22.40	8.93
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(72) Tetrachloroethene (P)

8.982min (-0.006) 0.55 ug/L m

response 1610

Ion	Exp%	Act%

163.90	100	100

165.90	131.90	56.02#

128.90	93.00	102.06

130.90	91.50	69.18#

Manual Integration:

After

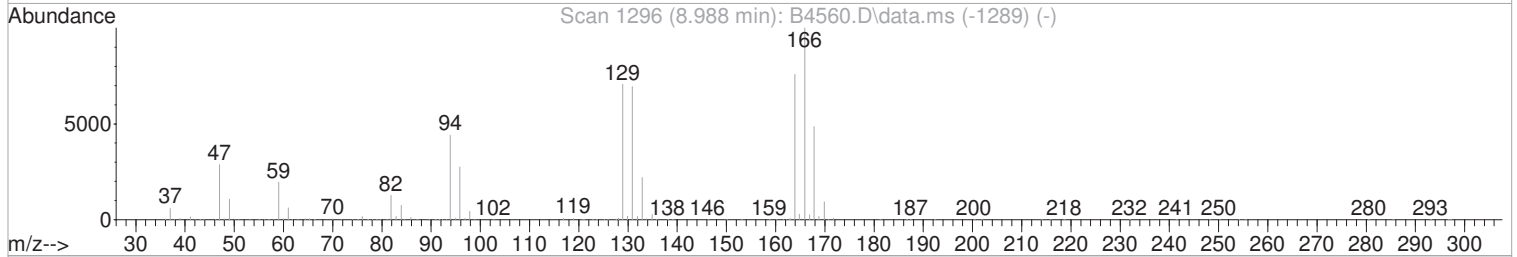
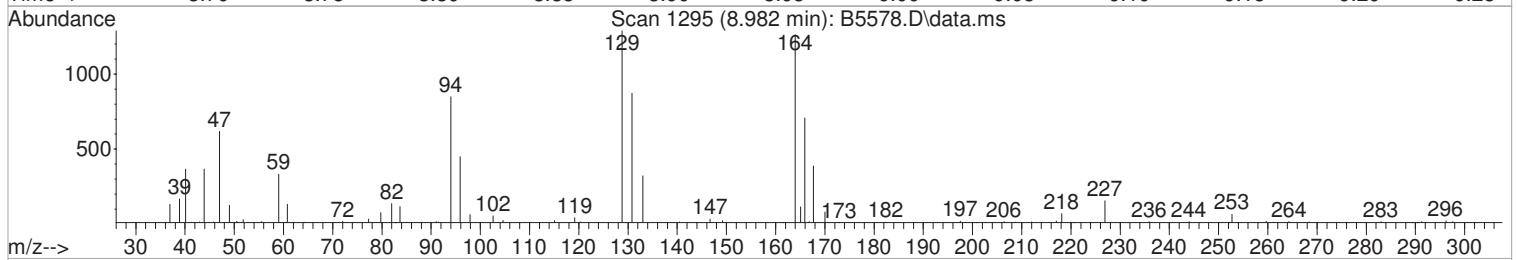
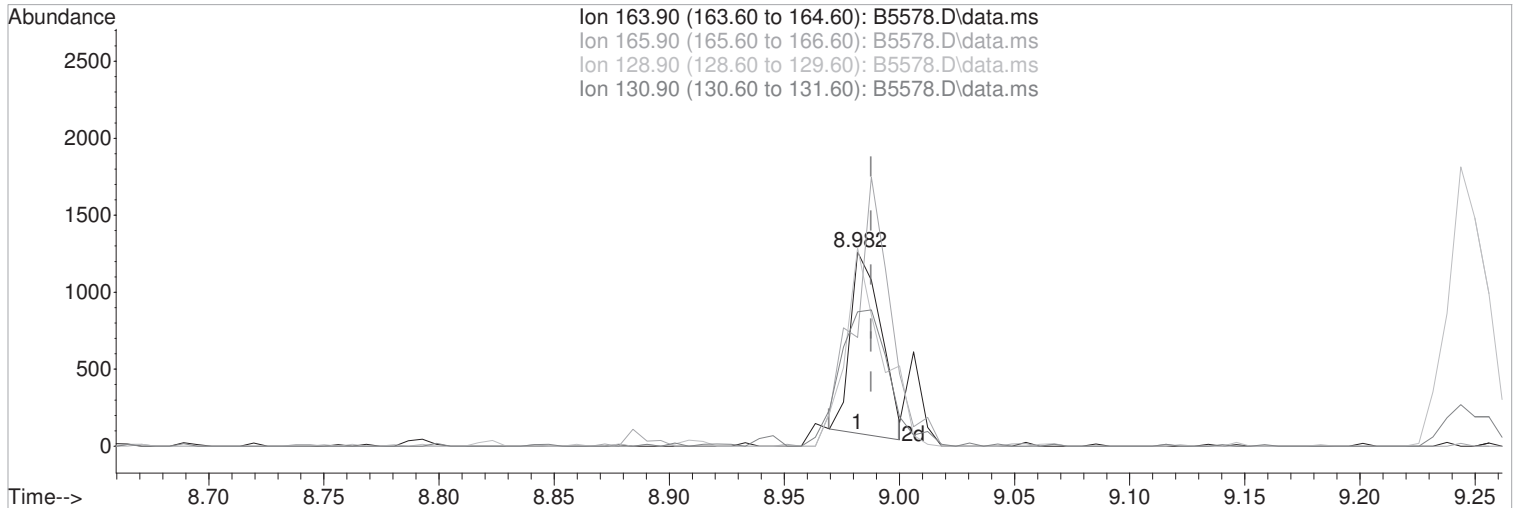
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(72) Tetrachloroethene (P)

Manual Integration:

8.982min (-0.006) 0.38 ug/L

Before

response 1106

Ion	Exp%	Act%

09/08/22

163.90	100	100

165.90	131.90	56.02#

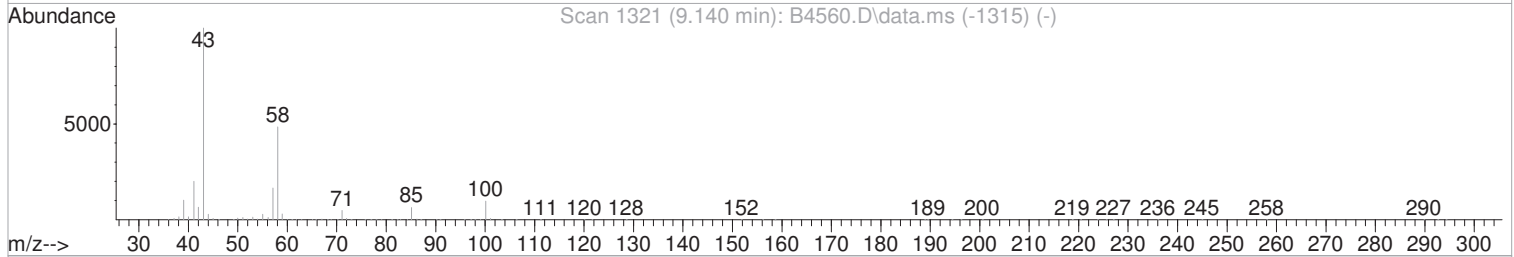
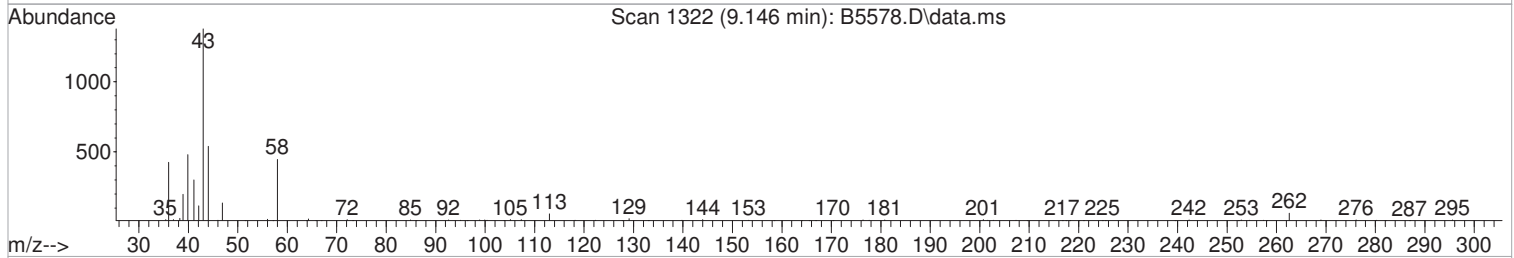
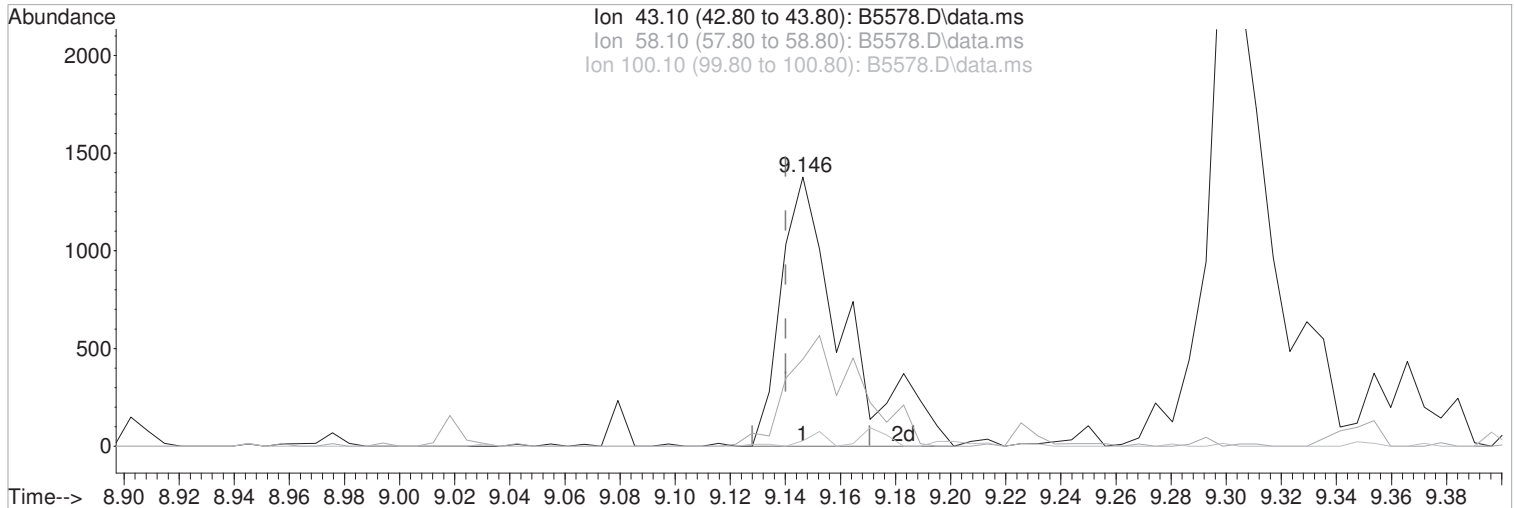
128.90	93.00	102.06

130.90	91.50	69.18#

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(73) 2-Hexanone (P)

9.146min (+0.006) 0.46 ug/L m

response 2188

Ion	Exp%	Act%
43.10	100	100
58.10	48.30	32.39
100.10	9.60	1.09
0.00	0.00	0.00

Manual Integration:

After

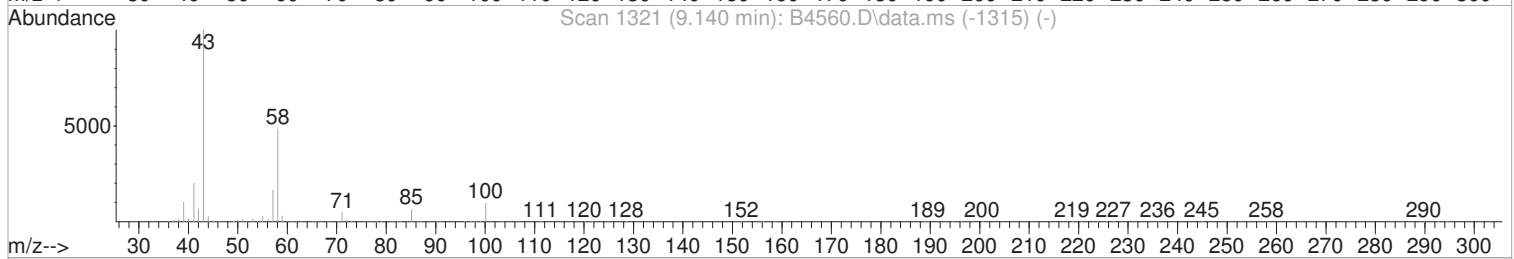
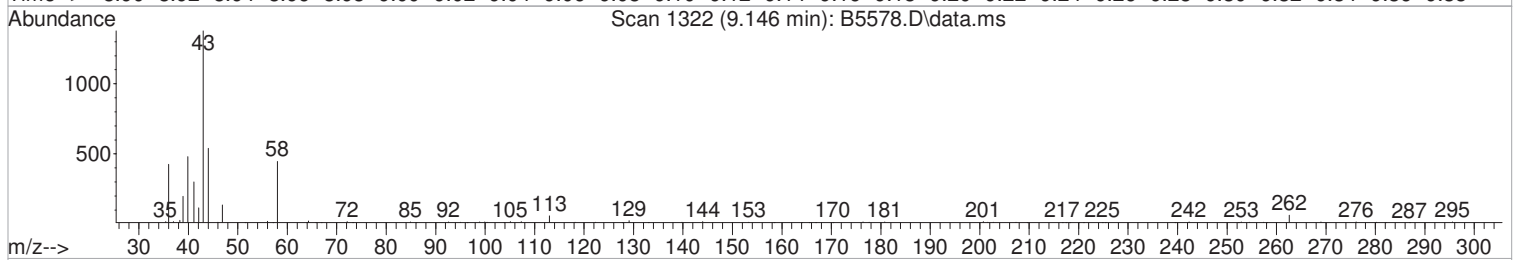
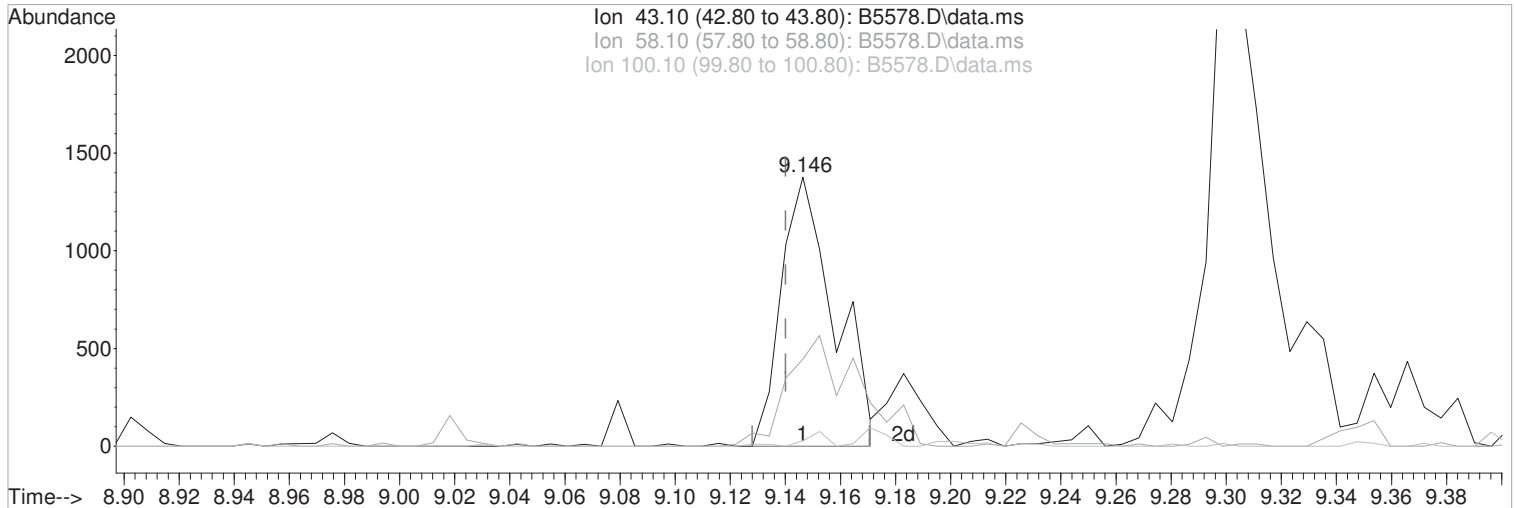
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(73) 2-Hexanone (P)

9.146min (+0.006) 0.39 ug/L

response 1849

Ion	Exp%	Act%
43.10	100	100
58.10	48.30	32.39
100.10	9.60	1.96
0.00	0.00	0.00

Manual Integration:

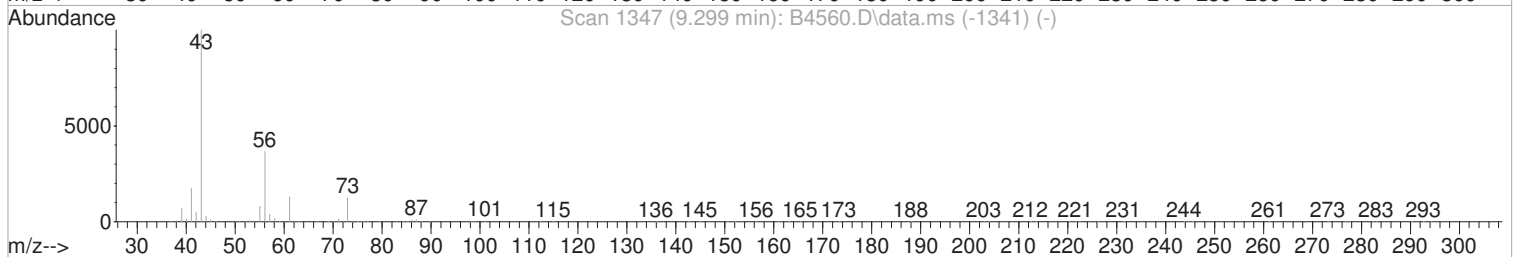
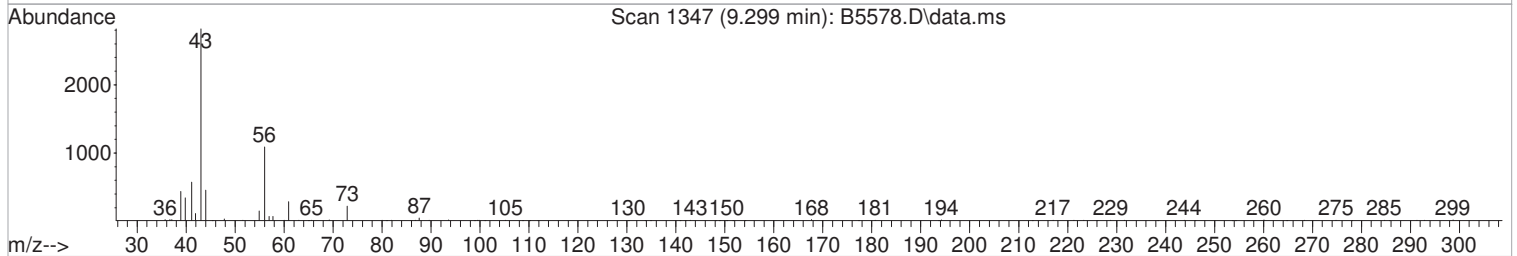
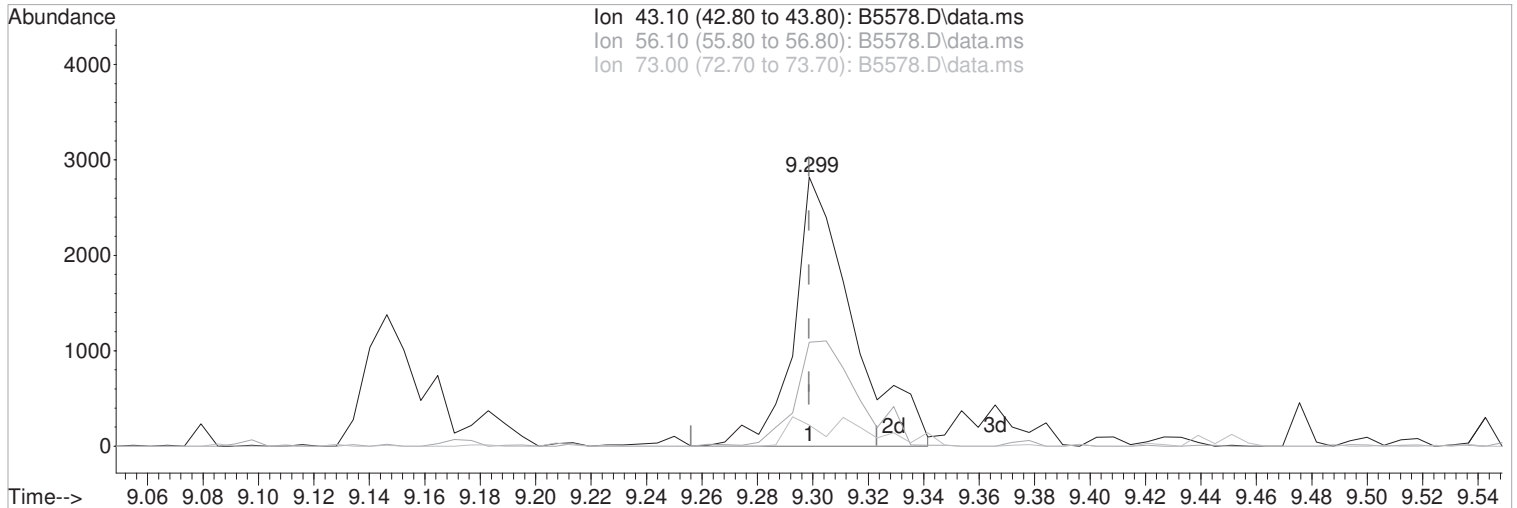
Before

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(76) N-Butyl Acetate

9.299min (+0.000) 0.45 ug/L m

response 4190

Ion	Exp%	Act%
43.10	100	100
56.10	36.70	38.67
73.00	12.40	7.84
0.00	0.00	0.00

Manual Integration:

After

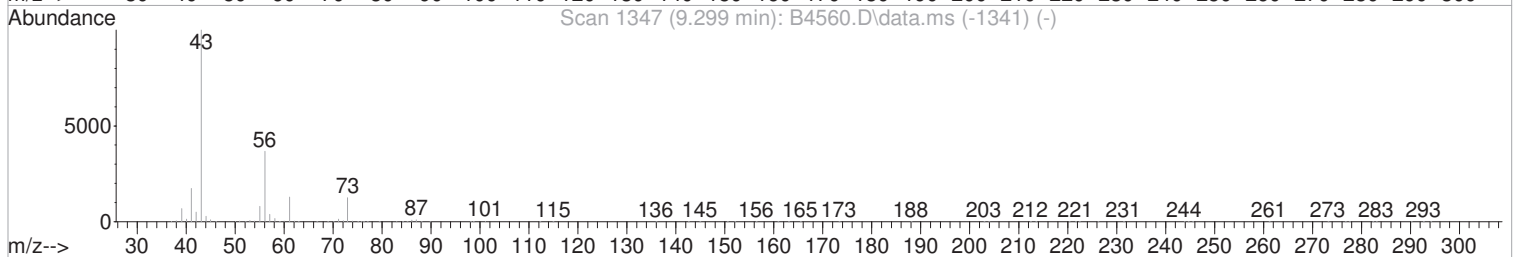
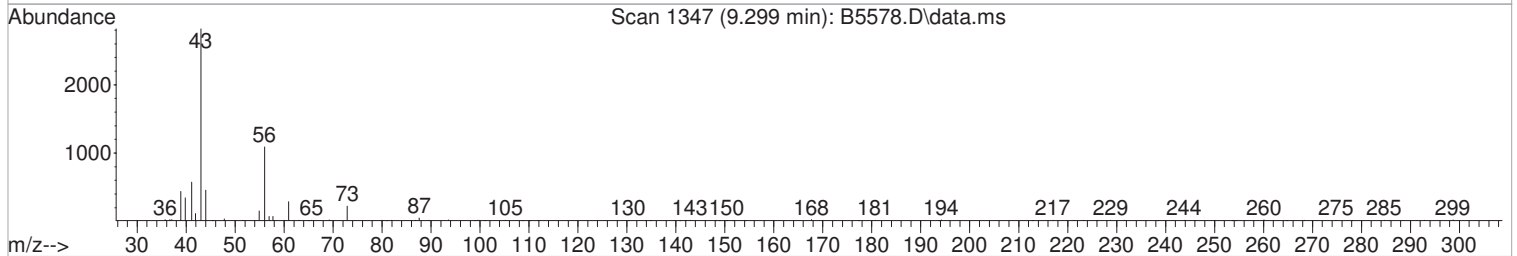
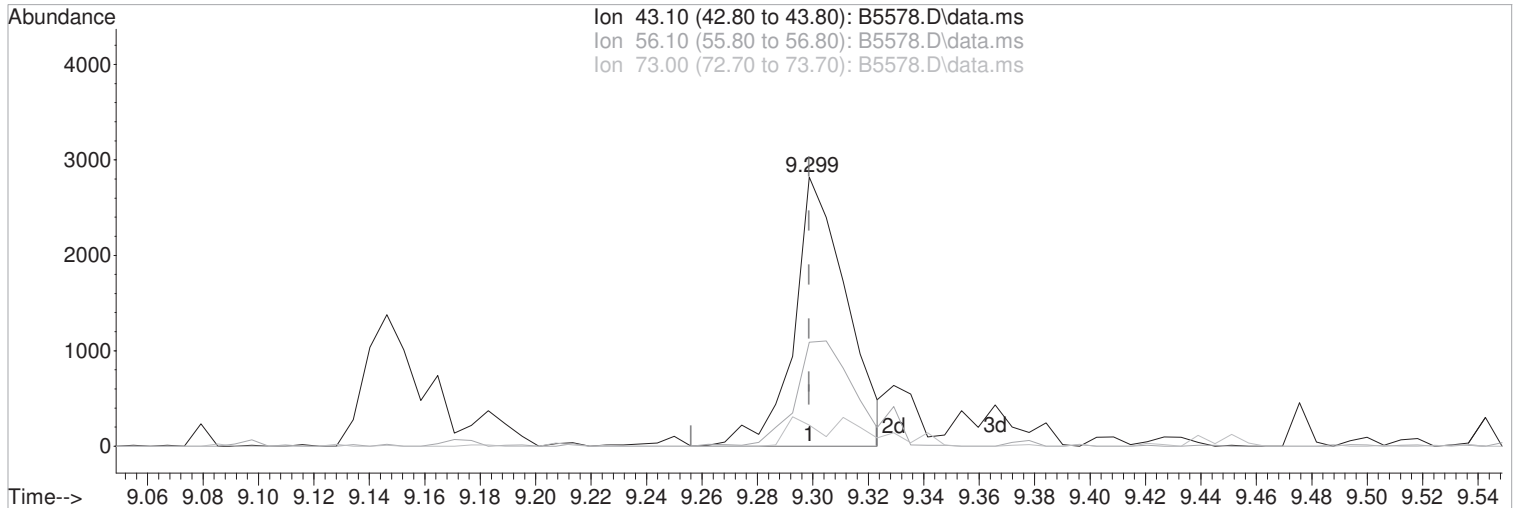
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(76) N-Butyl Acetate

Manual Integration:

9.299min (+0.000) 0.40 ug/L

Before

response 3721

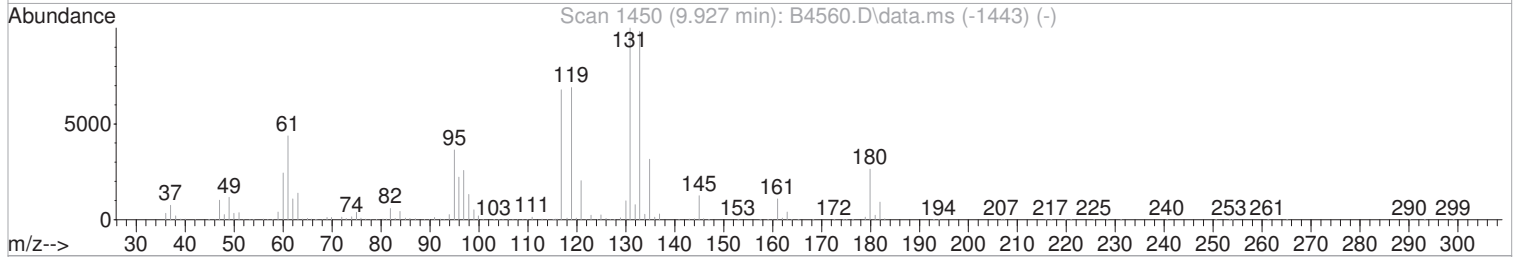
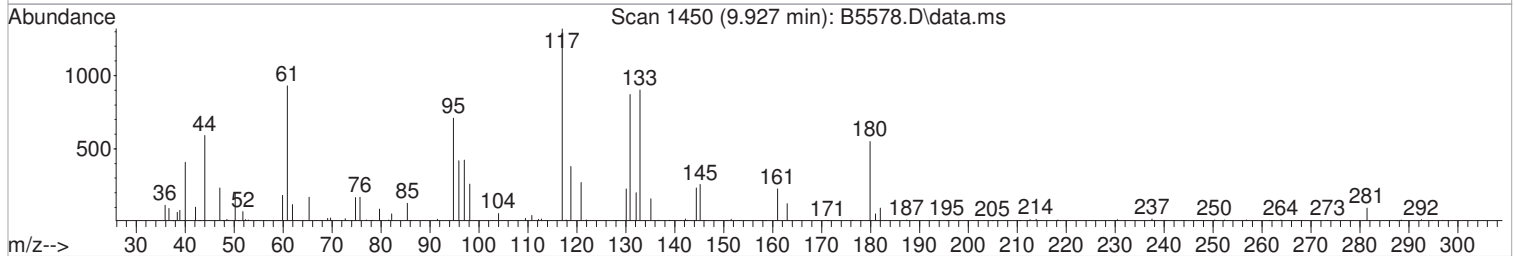
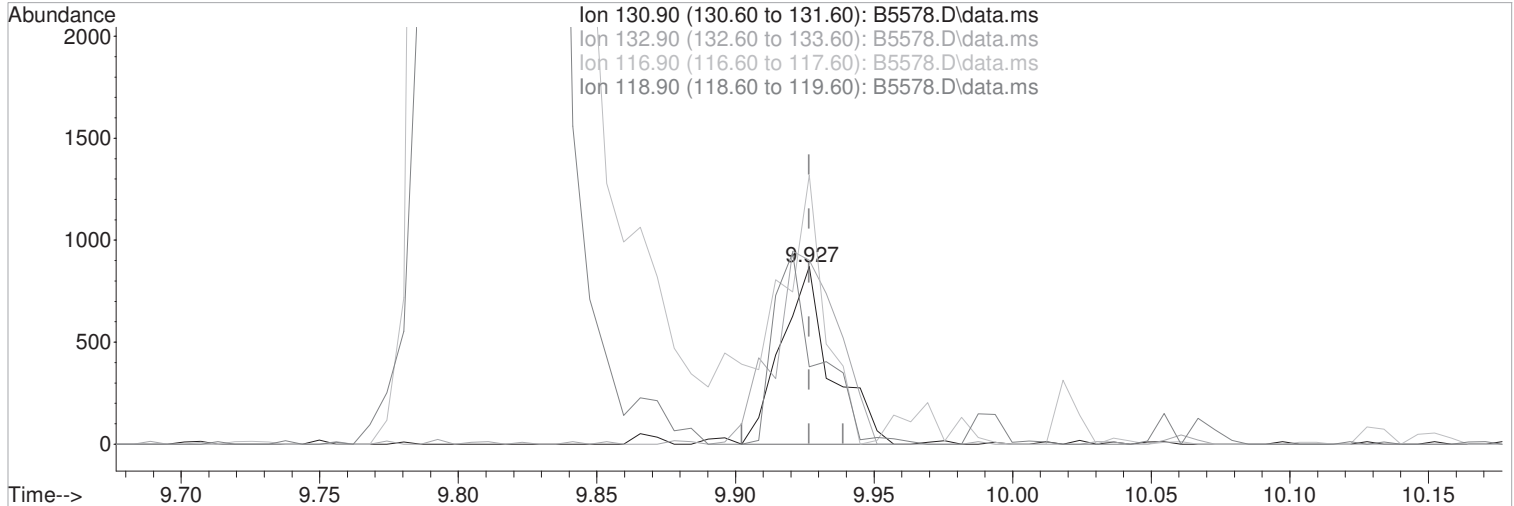
Ion	Exp%	Act%
43.10	100	100
56.10	36.70	38.67
73.00	12.40	7.84
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(81) 1,1,1,2-Tetrachloroethane

9.927min (+0.000) 0.35 ug/L m

response 1101

Ion	Exp%	Act%
130.90	100	100
132.90	98.40	103.56
116.90	67.80	151.44#
118.90	69.20	43.51#

Manual Integration:

After

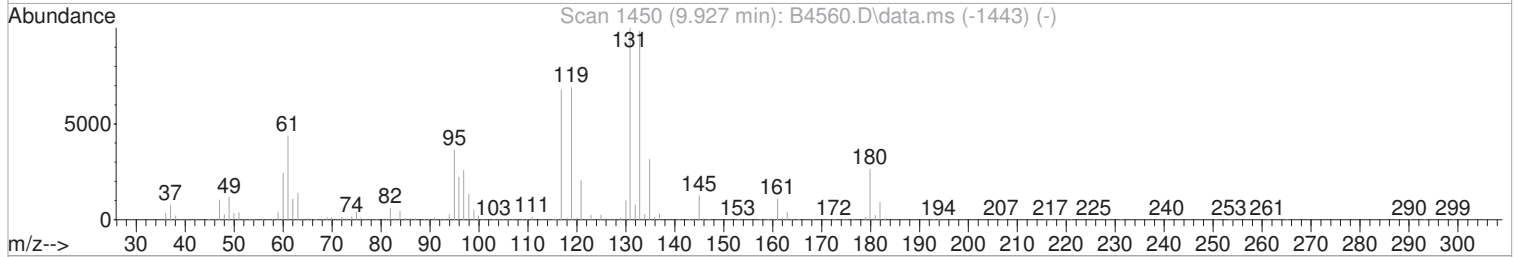
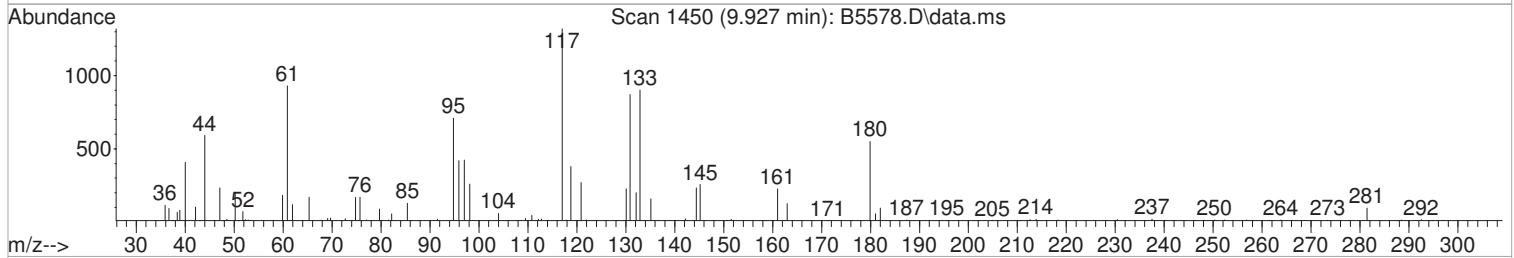
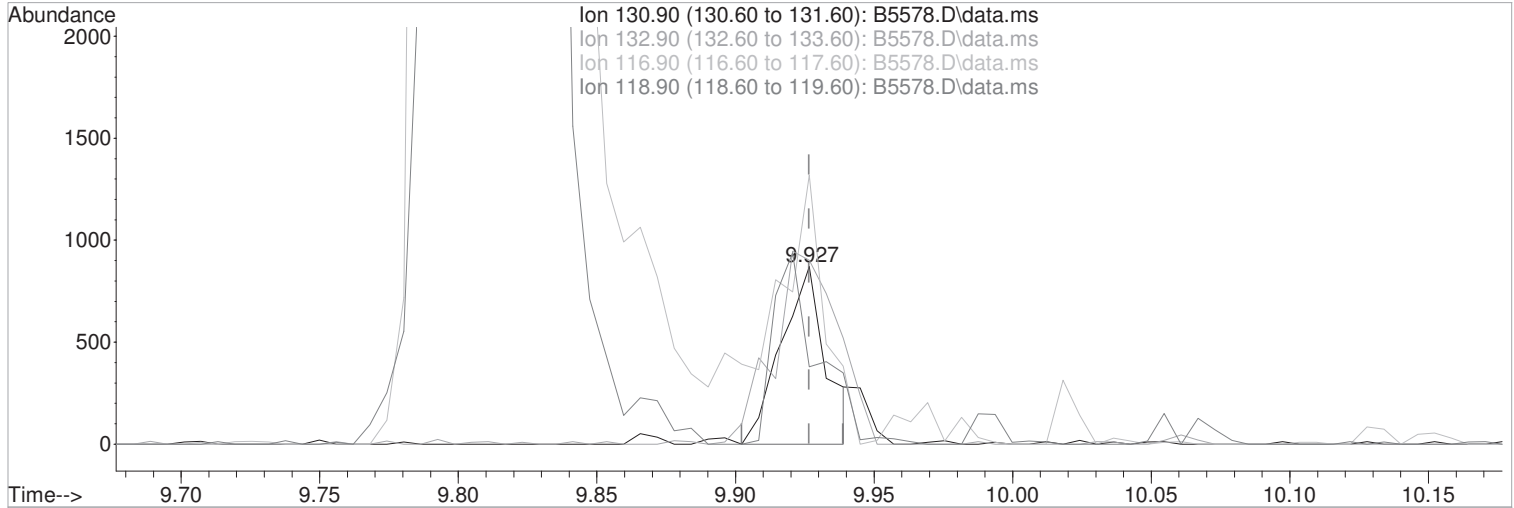
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5578.D
Acq On : 8 Sep 2022 10:35 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:19:03 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5578.D\data.ms

(81) 1,1,1,2-Tetrachloroethane

Manual Integration:

9.927min (+0.000) 0.31 ug/L

Before

response 976

Ion	Exp%	Act%
130.90	100	100
132.90	98.40	103.56
116.90	67.80	151.44#
118.90	69.20	43.51#

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5578.D
 Acq On : 8 Sep 2022 10:35 am
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:00 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	384204	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	635693	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	571422	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	262021	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	46924	12.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	25.44%#
47) surr1,1,2-dichloroetha...	5.787	65	61451	12.63	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	25.26%#
65) SURR3,Toluene-d8	8.317	98	173505	12.14	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	24.28%#
70) SURR2,BFB	10.884	95	61982	10.98	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	21.96%#

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.160	51	2518	0.56	ug/L	77
3) Dichlorodifluoromethane	1.154	85	2668	0.64	ug/L	82
4) Chloromethane	1.288	50	3229	0.68	ug/L	72
5) Vinyl Chloride	1.355	62	2565	0.53	ug/L	80
6) Bromomethane	1.581	94	2594m	1.12	ug/L	
7) Chloroethane	1.666	64	2124	0.76	ug/L	93
8) Freon 21	1.812	67	3950	0.60	ug/L	100
9) Trichlorofluoromethane	1.855	101	3244	0.68	ug/L	90
10) Diethyl Ether	2.087	59	2167	0.63	ug/L #	80
11) Freon 123a	2.093	67	2389	0.58	ug/L	99
12) Freon 123	2.148	83	2788	0.62	ug/L	82
13) Acrolein	2.190	56	2333	2.83	ug/L #	66
14) 1,1-Dicethene	2.282	96	1847	0.64	ug/L #	66
15) Freon 113	2.282	101	2132	0.71	ug/L #	34
16) Acetone	2.331	43	2630	1.21	ug/L	79
17) 2-Propanol	2.459	45	3733m	9.04	ug/L	
18) Iodomethane	2.416	142	1220	0.25	ug/L #	1
19) Carbon Disulfide	2.477	76	6064	0.68	ug/L	83
20) Acetonitrile	2.581	41	1936	2.53	ug/L	91
21) Allyl Chloride	2.629	76	817m	0.47	ug/L	
22) Methyl Acetate	2.641	43	4015	0.74	ug/L	90
23) Methylene Chloride	2.733	84	2474	0.70	ug/L #	83
24) TBA	2.861	59	5448	9.23	ug/L	93
25) Acrylonitrile	3.001	53	5661m	2.79	ug/L	
26) Methyl-t-Butyl Ether	3.032	73	5691	0.53	ug/L	87
27) trans-1,2-Dichloroethene	3.019	96	1557	0.50	ug/L #	79
28) 1,1-Dicethane	3.525	63	3544	0.55	ug/L	87
29) Vinyl Acetate	3.647	86	276m	0.56	ug/L	
30) DIPE	3.653	45	8175	0.57	ug/L	81
31) 2-Chloro-1,3-Butadiene	3.641	53	3104	0.53	ug/L #	66
32) ETBE	4.190	59	5310	0.45	ug/L #	58
33) 2,2-Dichloropropane	4.355	77	2150	0.56	ug/L #	66
34) cis-1,2-Dichloroethene	4.373	96	2454	0.68	ug/L #	47
35) 2-Butanone	4.434	43	2415	0.75	ug/L	75
36) Propionitrile	4.531	54	1395	1.65	ug/L	100
37) Bromochloromethane	4.787	130	1662m	0.68	ug/L	
38) Methacrylonitrile	4.781	67	822m	0.41	ug/L	
39) Tetrahydrofuran	4.903	42	1305m	0.67	ug/L	
40) Chloroform	4.958	83	4204m	0.71	ug/L	

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5578.D
 Acq On : 8 Sep 2022 10:35 am
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:00 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.257	97	2261m	0.50	ug/L	
43) Cyclohexane	5.330	41	2999m	0.62	ug/L	
45) Carbontetrachloride	5.549	117	2223	0.57	ug/L #	74
46) 1,1-Dichloropropene	5.537	75	2461	0.51	ug/L	75
48) Benzene	5.873	78	7706	0.53	ug/L	86
49) 1,2-Dichloroethane	5.903	62	2613	0.44	ug/L #	46
50) Iso-Butyl Alcohol	5.897	43	2337m	7.18	ug/L	
51) TAME	6.104	73	4531	0.41	ug/L #	74
52) n-Heptane	6.360	43	2805	0.52	ug/L	82
53) 1-Butanol	6.866	56	2330	13.98	ug/L	78
54) Trichloroethene	6.824	130	1916	0.50	ug/L #	47
55) Methylcyclohexane	7.061	55	2912m	0.54	ug/L	
56) 1,2-Diclp propane	7.098	63	1631m	0.39	ug/L	
57) Dibromomethane	7.263	93	1540m	0.60	ug/L	
58) 1,4-Dioxane	7.324	88	819	11.02	ug/L #	47
59) Methyl Methacrylate	7.336	69	1561m	0.50	ug/L	
60) Bromodichloromethane	7.476	83	2268	0.50	ug/L	73
61) 2-Nitropropane	7.756	41	1239m	1.11	ug/L	
62) 2-Chloroethylvinyl Ether	7.909	63	889m	0.35	ug/L	
63) cis-1,3-Dichloropropene	8.025	75	2428m	0.47	ug/L	
64) 4-Methyl-2-pentanone	8.232	43	3202	0.49	ug/L	92
66) Toluene	8.390	91	8759	0.57	ug/L	89
67) trans-1,3-Dichloropropene	8.671	75	1632m	0.37	ug/L	
68) Ethyl Methacrylate	8.805	69	2452	0.45	ug/L	91
69) 1,1,2-Trichloroethane	8.848	97	2112	0.61	ug/L #	78
72) Tetrachloroethene	8.982	164	1610m	0.55	ug/L	
73) 2-Hexanone	9.146	43	2188m	0.46	ug/L	
74) 1,3-Dichloropropane	9.012	76	3373	0.53	ug/L	87
75) Dibromochloromethane	9.244	129	2164	0.65	ug/L #	71
76) N-Butyl Acetate	9.299	43	4190m	0.45	ug/L	
77) 1,2-Dibromoethane	9.348	107	1755	0.48	ug/L #	76
78) 3-Chlorobenzotrifluoride	9.860	180	2778	0.48	ug/L	90
79) Chlorobenzene	9.841	112	5252	0.50	ug/L	85
80) 4-Chlorobenzotrifluoride	9.908	180	2699	0.53	ug/L	80
81) 1,1,1,2-Tetrachloroethane	9.927	131	1101m	0.35	ug/L	
82) Ethylbenzene	9.957	106	2741	0.51	ug/L #	74
83) (m+p)Xylene	10.073	106	7244	1.12	ug/L #	68
84) o-Xylene	10.433	106	3357	0.52	ug/L	88
85) Styrene	10.445	104	4608	0.42	ug/L	88
86) Bromoform	10.591	173	925	0.44	ug/L #	70
87) 2-Chlorobenzotrifluoride	10.677	180	2762	0.49	ug/L	91
88) Isopropylbenzene	10.762	105	7815	0.50	ug/L	89
89) Cyclohexanone	10.829	55	7015	8.92	ug/L	96
90) trans-1,4-Dichloro-2-B...	11.079	53	379	0.25	ug/L	84
92) 1,1,2,2-Tetrachloroethane	11.024	83	2130	0.47	ug/L #	64
93) Bromobenzene	11.018	156	2642	0.65	ug/L #	43
94) 1,2,3-Trichloropropane	11.054	110	953	0.62	ug/L #	48
95) n-Propylbenzene	11.122	91	10419	0.61	ug/L	95
96) 2-Chlorotoluene	11.182	91	6218	0.59	ug/L	95
97) 3-Chlorotoluene	11.237	91	5701	0.50	ug/L	83
98) 4-Chlorotoluene	11.280	91	7055	0.58	ug/L	94
99) 1,3,5-Trimethylbenzene	11.274	105	7125	0.58	ug/L	86
100) tert-Butylbenzene	11.548	119	5310	0.50	ug/L	75
101) 1,2,4-Trimethylbenzene	11.585	105	7138	0.58	ug/L	95
102) 3,4-Dichlorobenzotrifl...	11.646	214	2150	0.55	ug/L	86
103) sec-Butylbenzene	11.725	105	8266	0.56	ug/L	87

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5578.D
 Acq On : 8 Sep 2022 10:35 am
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:00 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	6446	0.51	ug/L	86
105) 1,3-Dclbenz	11.810	146	3580	0.48	ug/L	82
106) 1,4-Dclbenz	11.878	146	5299	0.71	ug/L	98
107) 2,4-Dichlorobenzotrifl...	11.932	214	2032m	0.58	ug/L	
108) 2,5-Dichlorobenzotrifl...	11.975	214	1862	0.47	ug/L	82
109) n-Butylbenzene	12.176	91	5636	0.53	ug/L	82
110) 1,2-Dclbenz	12.182	146	4143	0.55	ug/L	82
111) 1,2-Dibromo-3-chloropr...	12.810	157	370	0.43	ug/L #	62
112) Trielution Dichlorotol...	12.926	125	9314	1.51	ug/L	94
113) 1,3,5-Trichlorobenzene	12.981	180	3178	0.59	ug/L #	64
114) Coelution Dichlorotoluene	13.249	125	6545	1.00	ug/L	92
115) 1,2,4-Tcbenzene	13.463	180	1944	0.39	ug/L #	75
116) Hexachlorobt	13.597	225	1216	0.63	ug/L #	73
117) Naphthalen	13.652	128	5261	0.43	ug/L	94
118) 1,2,3-Tclbenzene	13.834	180	1965	0.38	ug/L #	76
119) 2,4,5-Trichlorotoluene	14.420	159	630m	0.23	ug/L	

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

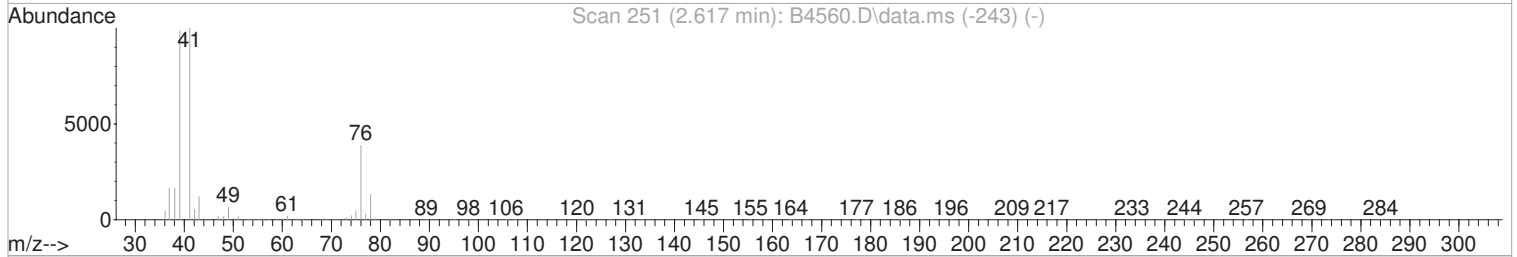
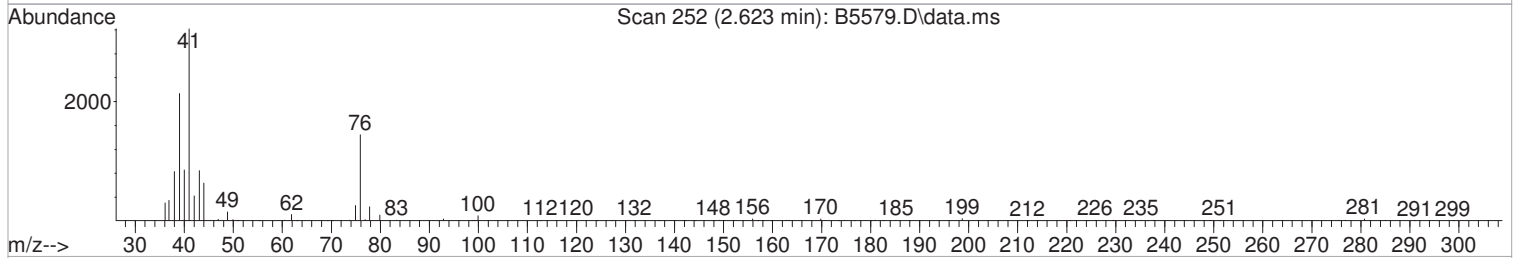
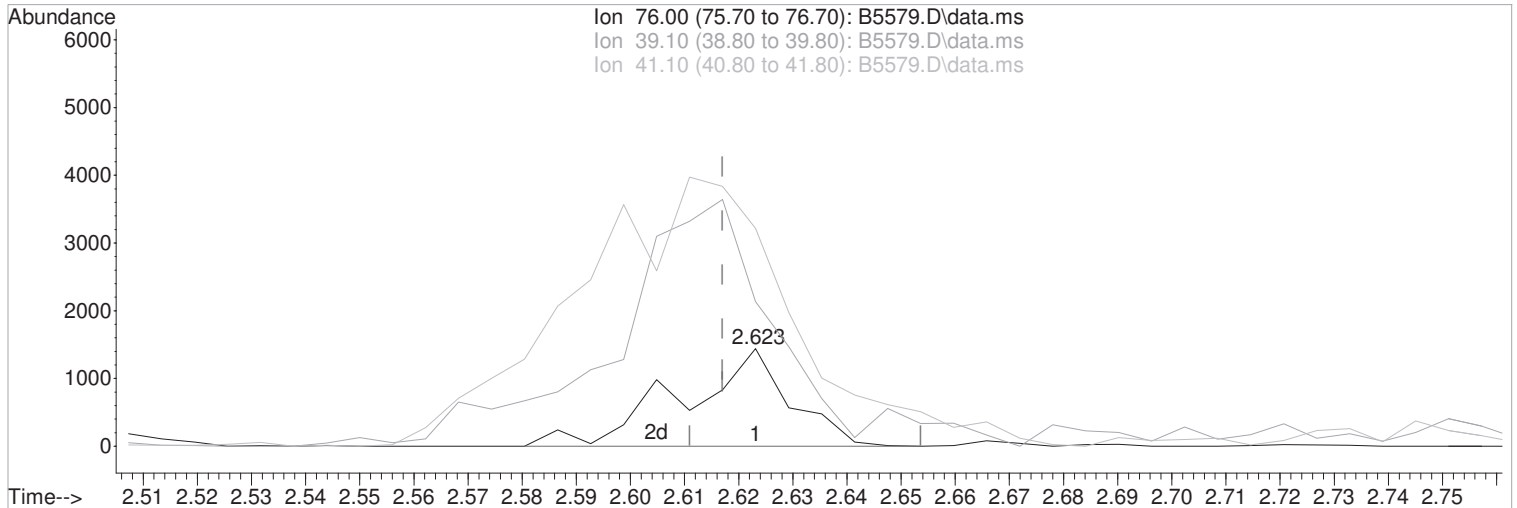
Quant Time: Sep 08 14:25:00 2022
Quant Method : I:\ACQDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(21) Allyl Chloride

2.623min (+0.006) 1.18 ug/L m

response 2012

Ion	Exp%	Act%
76.00	100	100
39.10	275.70	147.82#
41.10	384.30	222.80#
0.00	0.00	0.00

Manual Integration:

After

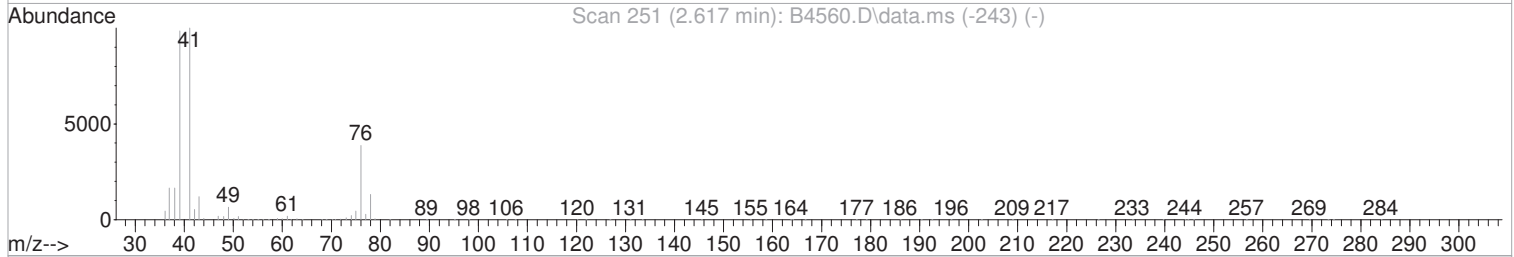
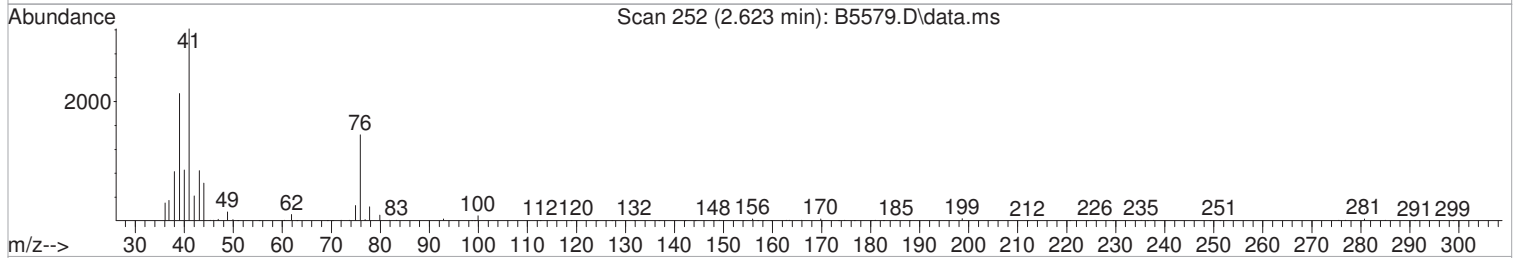
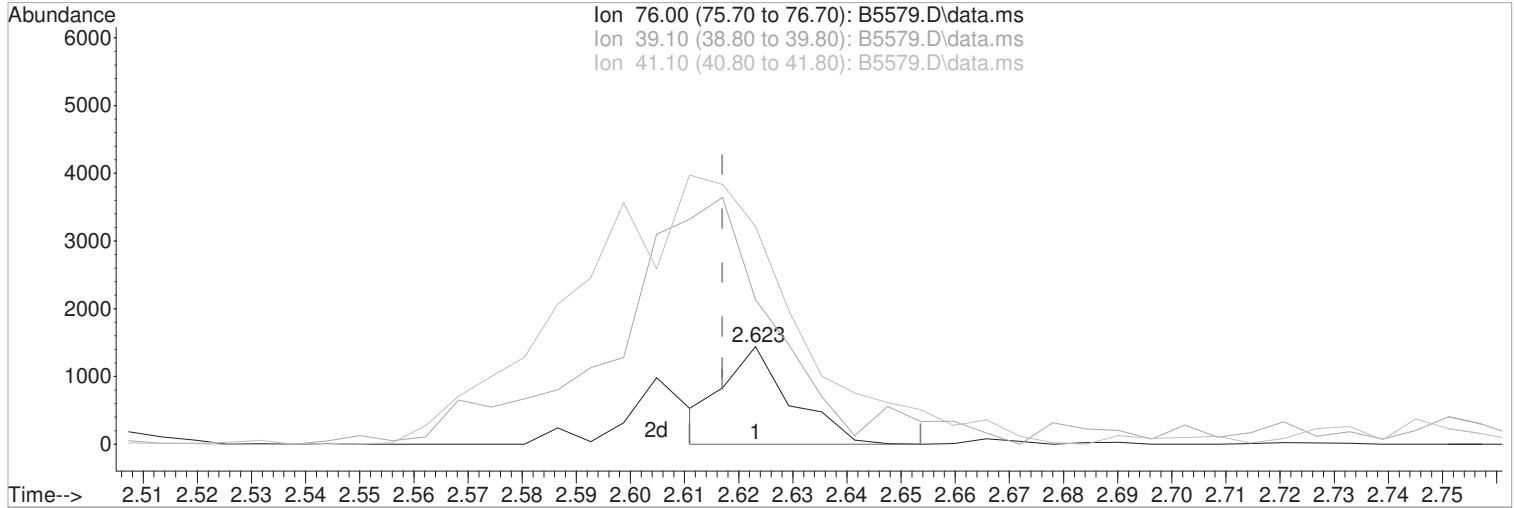
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(21) Allyl Chloride

Manual Integration:

2.623min (+0.006) 0.73 ug/L

Before

response 1240

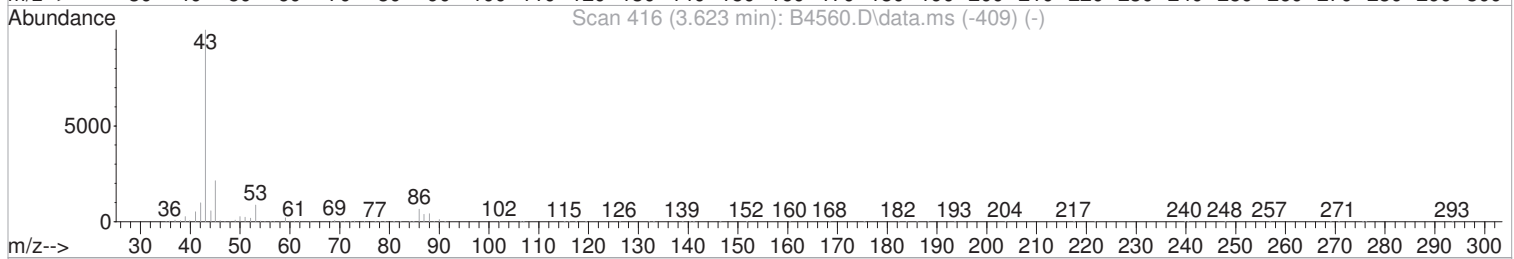
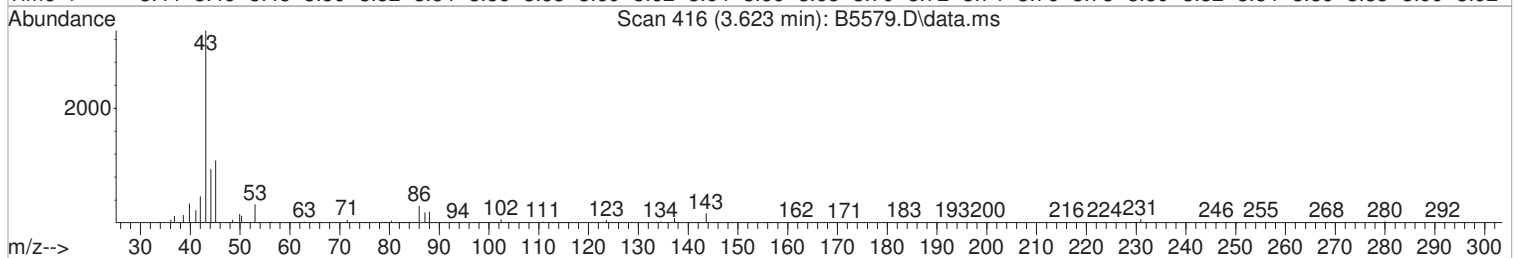
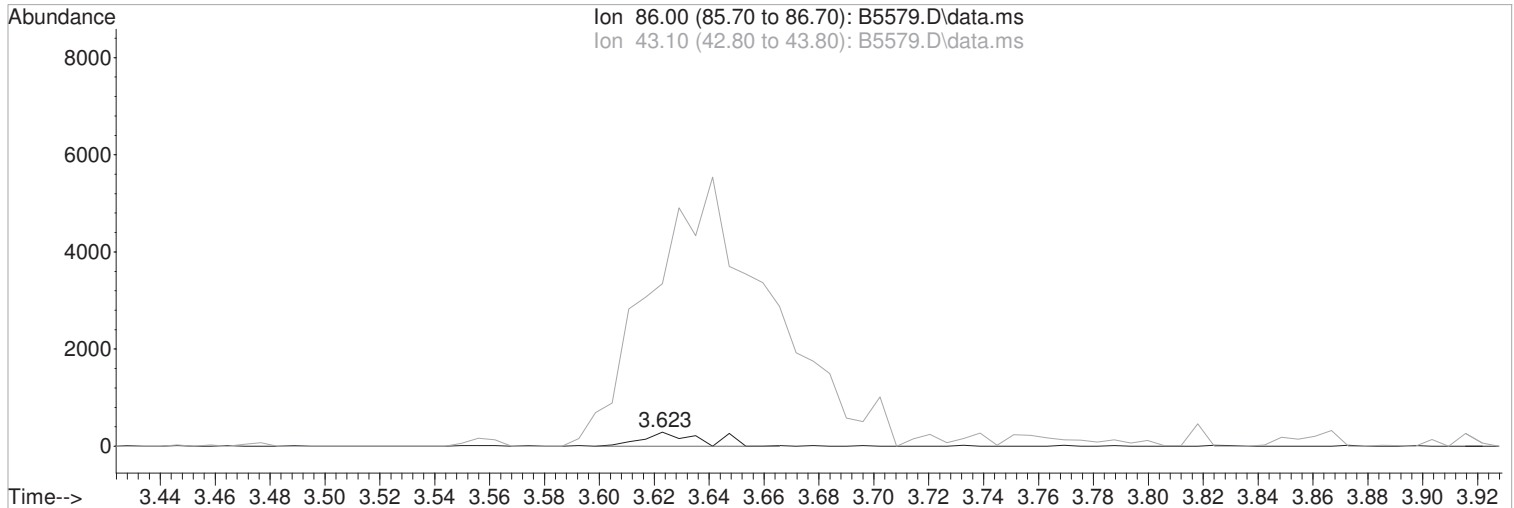
Ion	Exp%	Act%
76.00	100	100
39.10	275.70	147.82#
41.10	384.30	222.80#
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(29) Vinyl Acetate

3.623min (+0.000) 0.90 ug/L m

response 441

Ion	Exp%	Act%
86.00	100	100
43.10	1560.10	1146.58#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

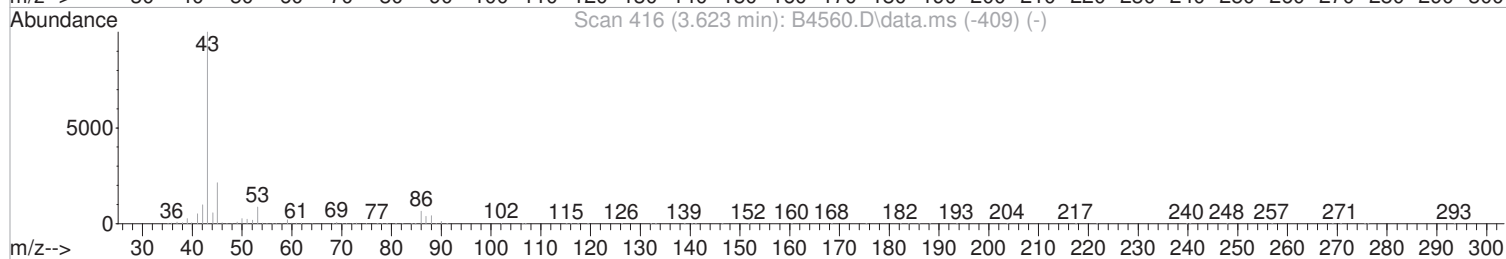
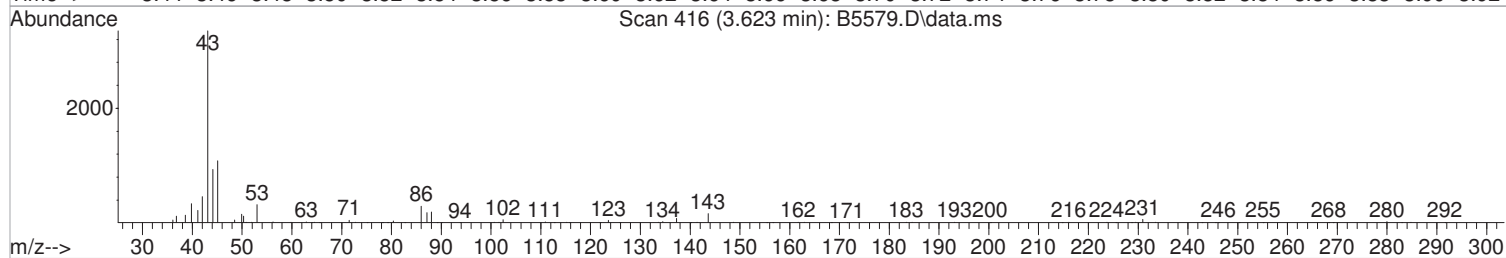
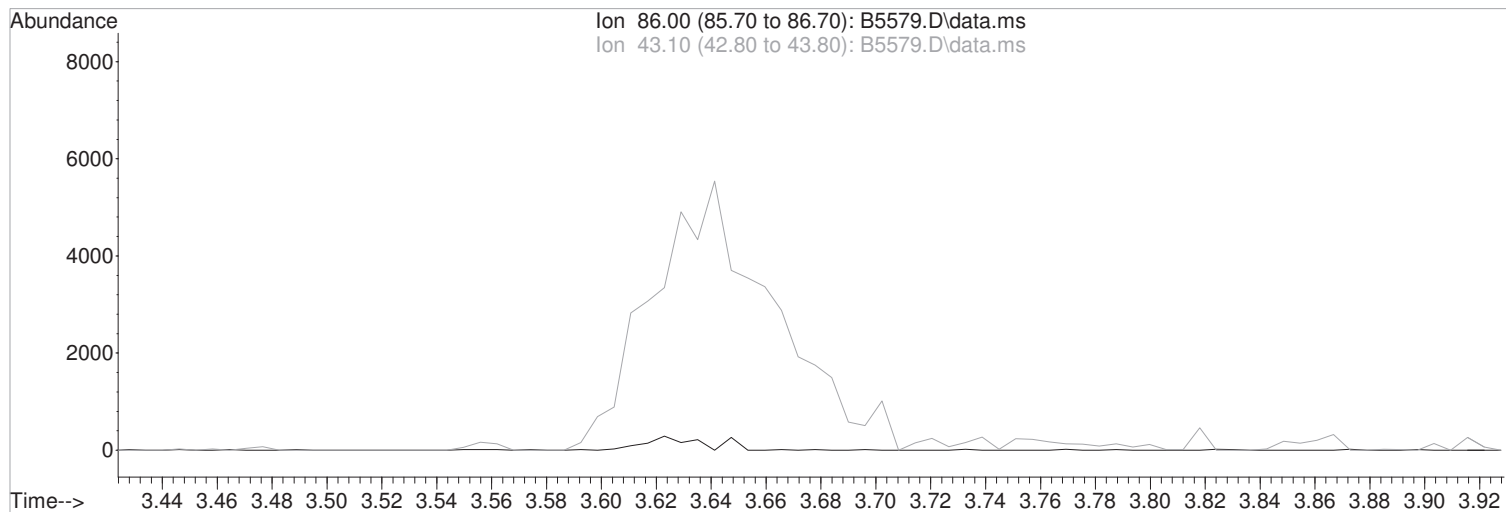
Peak not found.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(29) Vinyl Acetate

Manual Integration:

3.623min (-3.623) 0.00 ug/L

Before

response 0

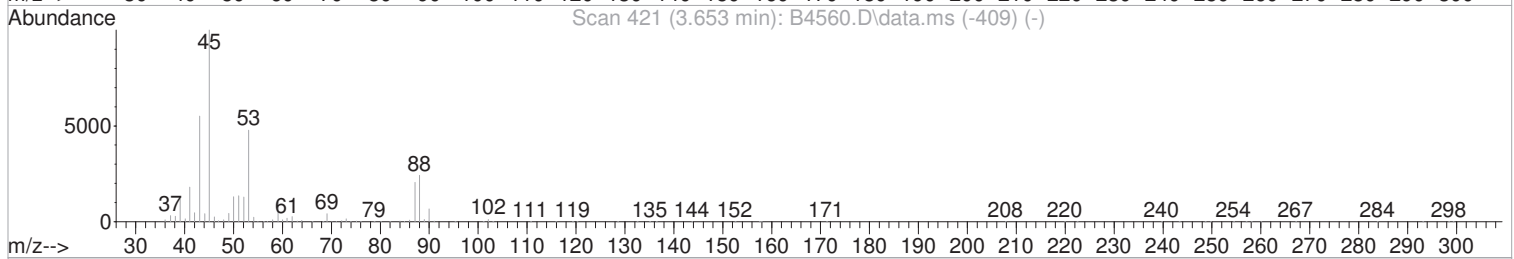
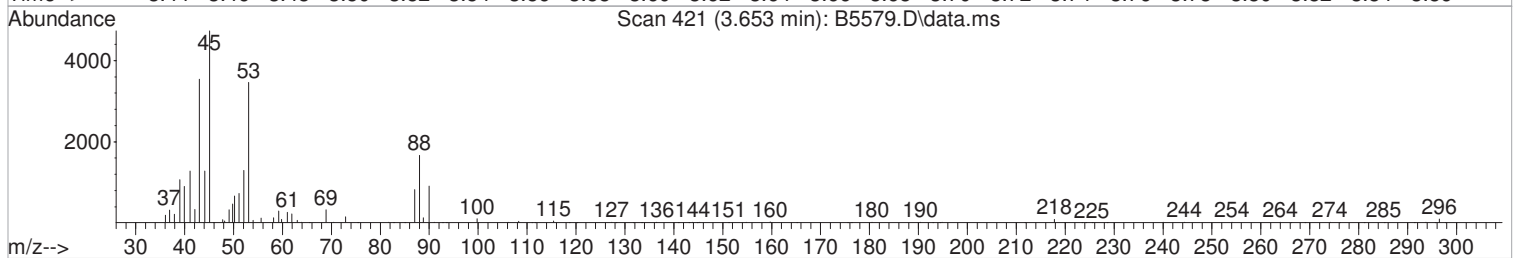
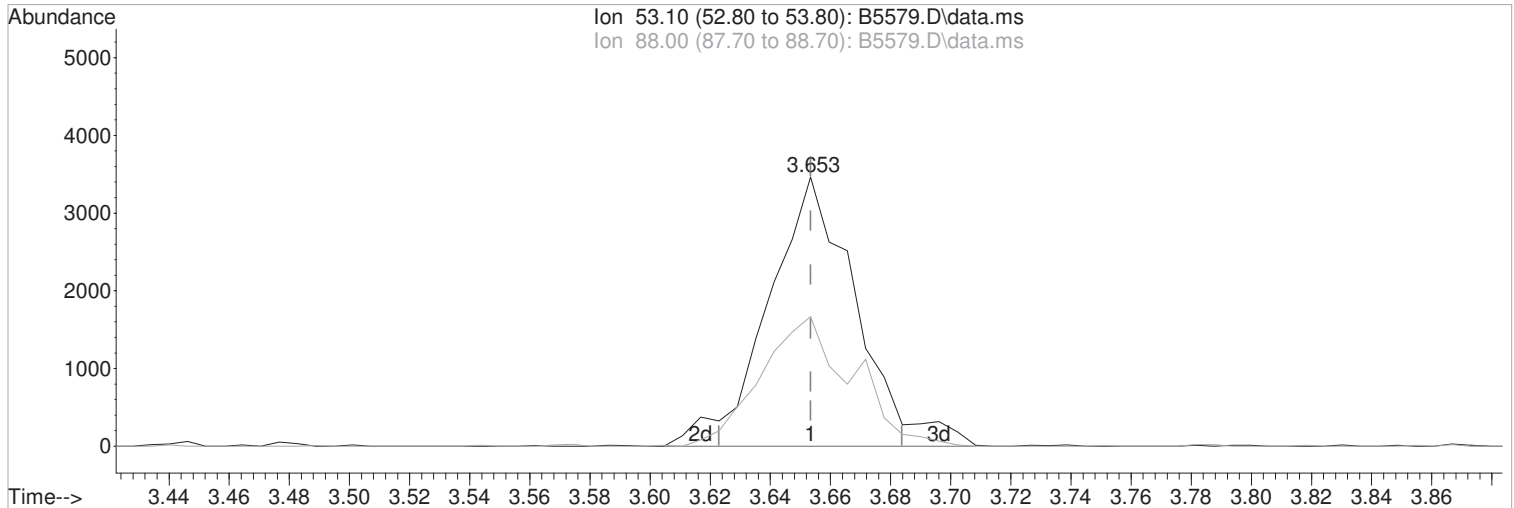
Ion	Exp%	Act%
86.00	100	0.00
43.10	1560.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(31) 2-Chloro-1,3-Butadiene
3.653min (+0.000) 1.23 ug/L m
response 7075

Ion	Exp%	Act%
53.10	100	100
88.00	50.60	48.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

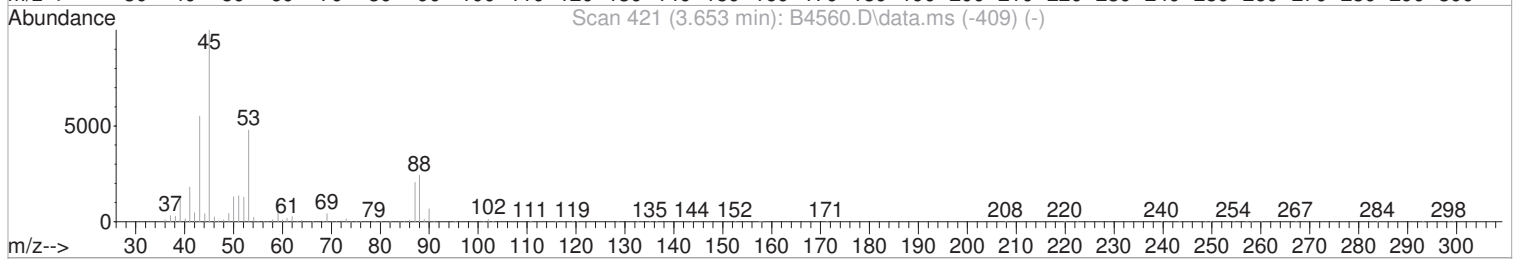
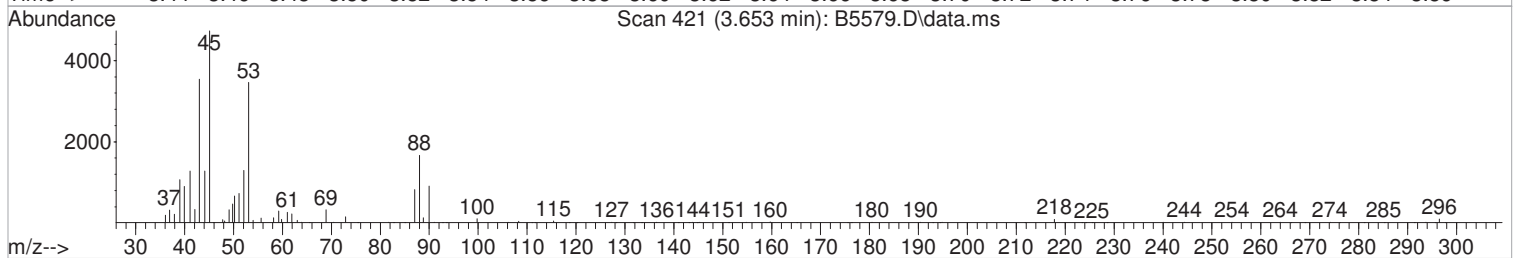
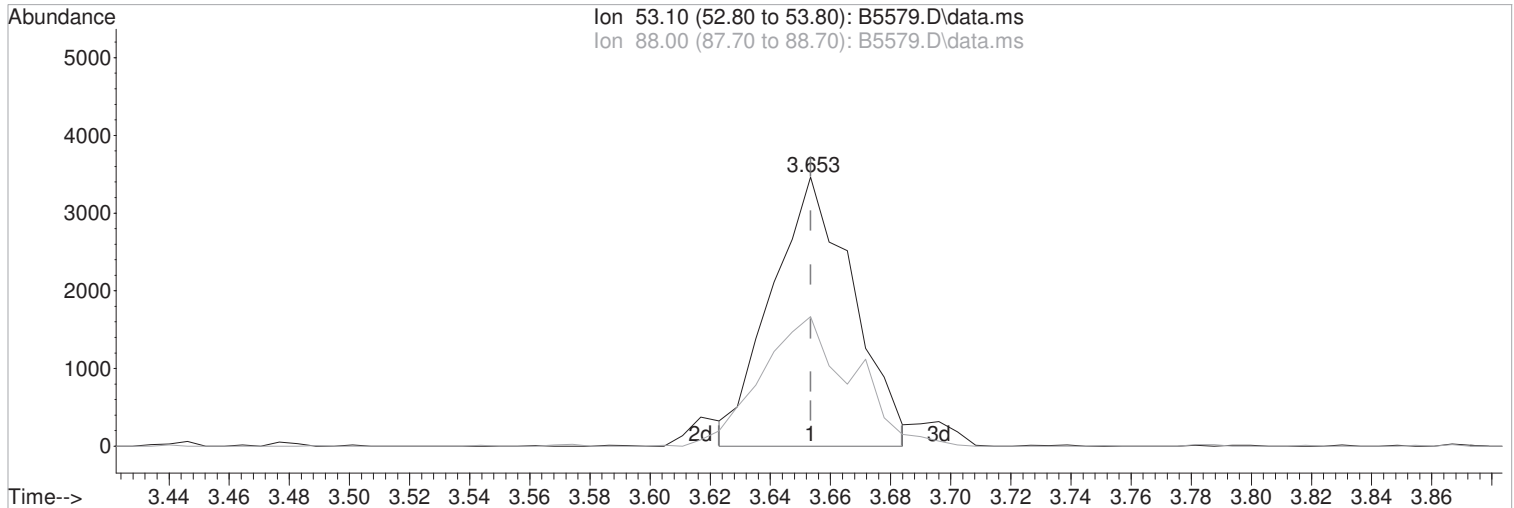
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

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

Manual Integration:

3.653min (+0.000) 1.13 ug/L

Before

response 6473

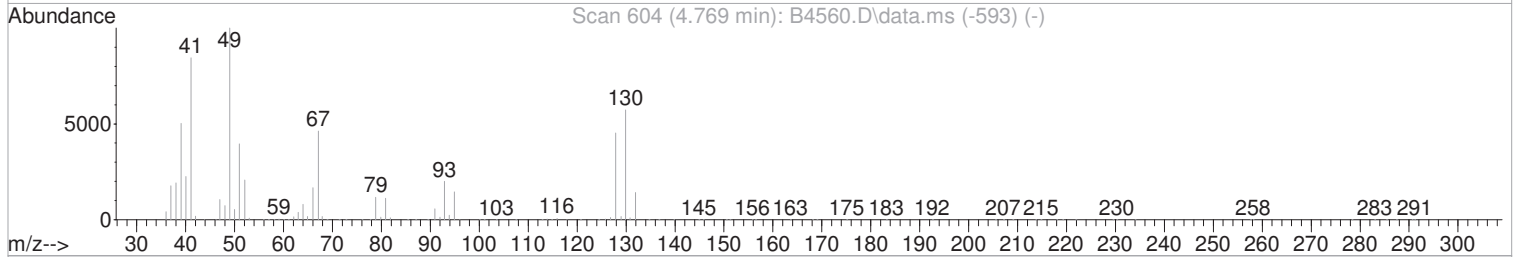
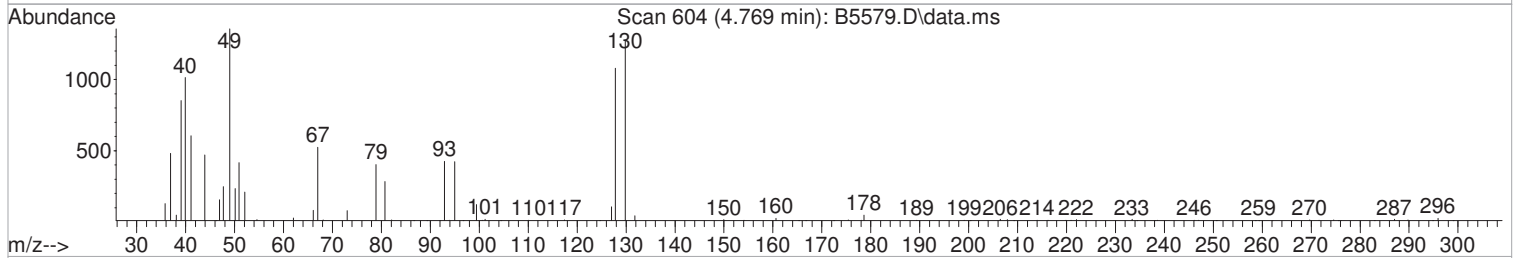
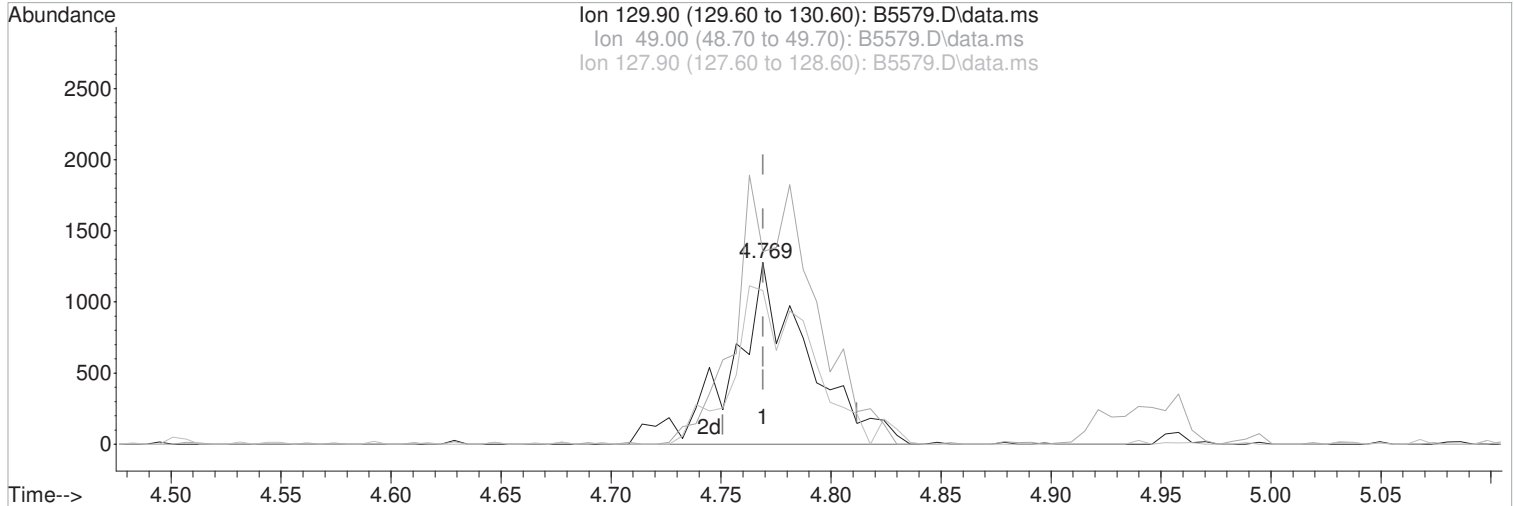
Ion	Exp%	Act%
53.10	100	100
88.00	50.60	48.12
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(37) Bromochloromethane

4.769min (+0.000) 1.27 ug/L m

response 3057

Ion	Exp%	Act%

129.90	100	100

49.00	174.90	106.11#

127.90	79.00	84.49

0.00	0.00	0.00

Manual Integration:

After

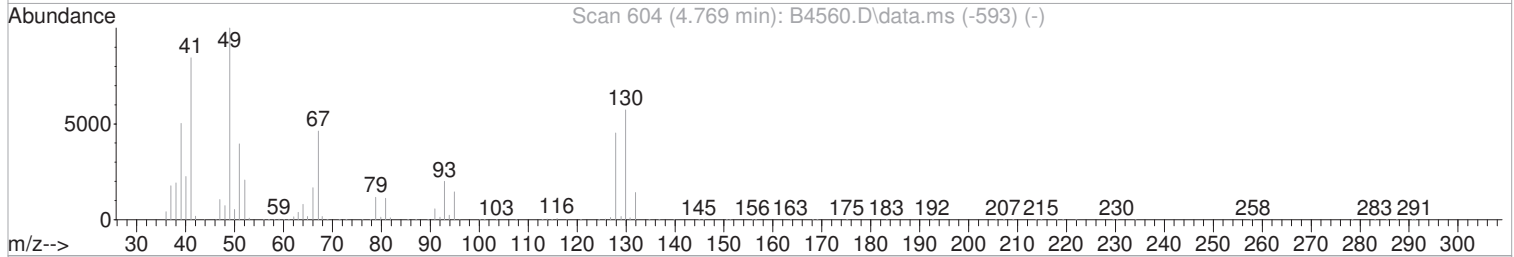
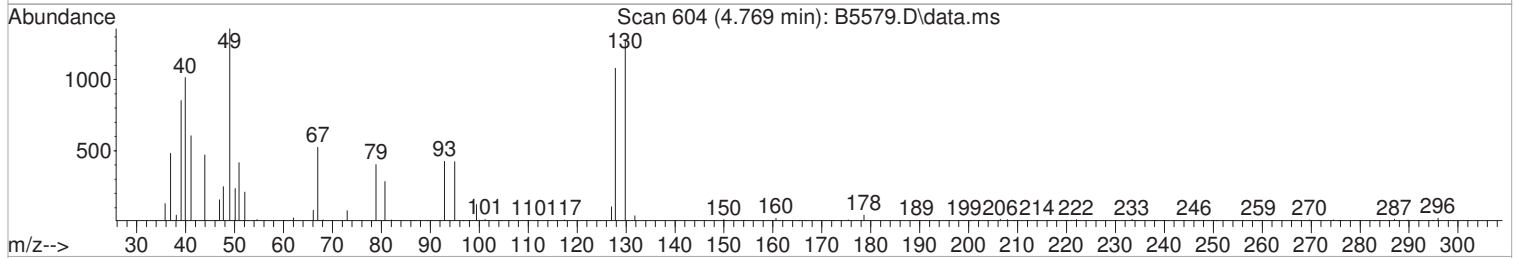
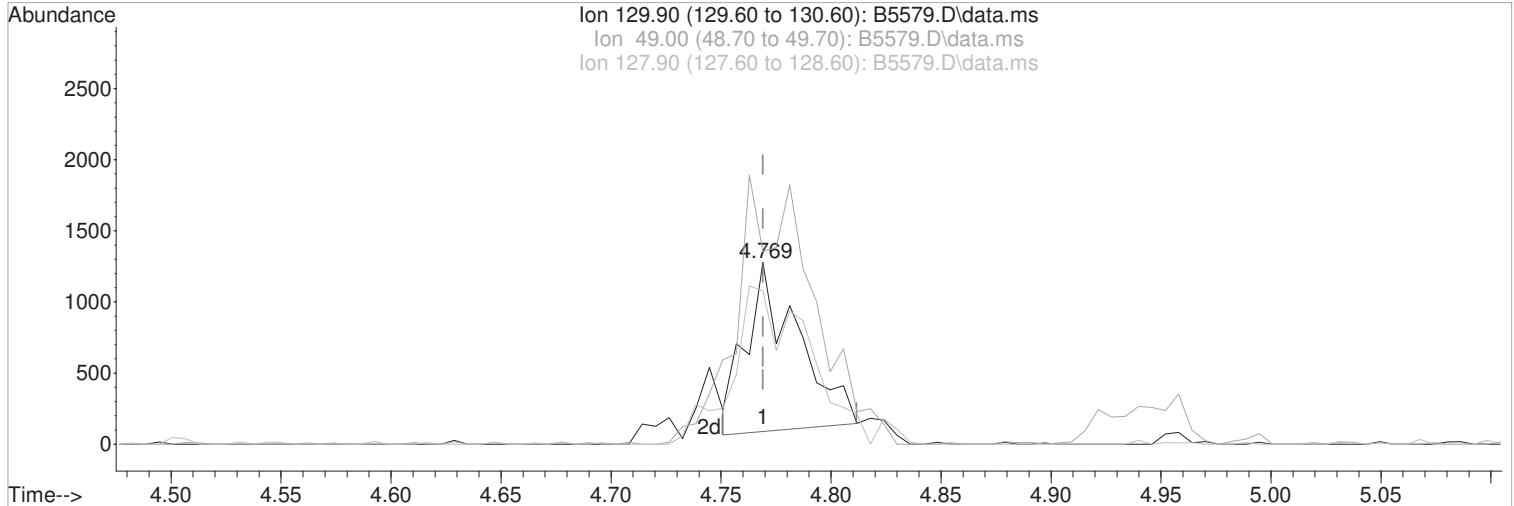
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(37) Bromochloromethane

Manual Integration:

4.769min (+0.000) 0.82 ug/L

Before

response 1958

Ion	Exp%	Act%

09/08/22

129.90	100	100

49.00	174.90	106.11#

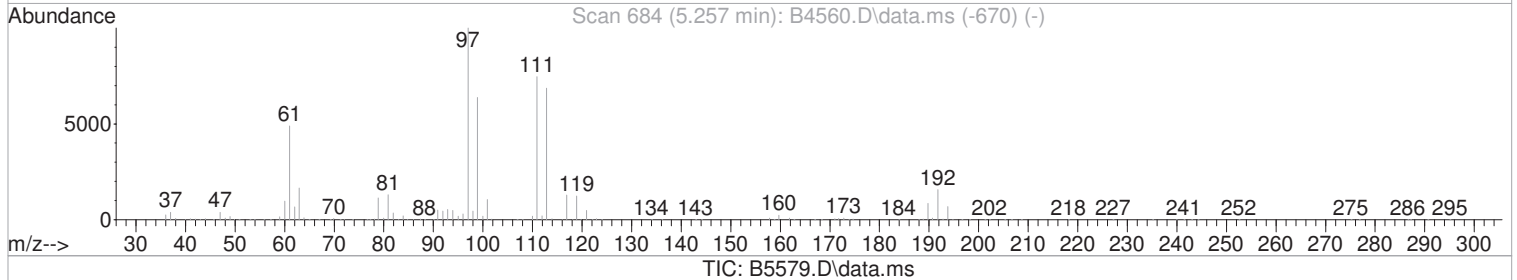
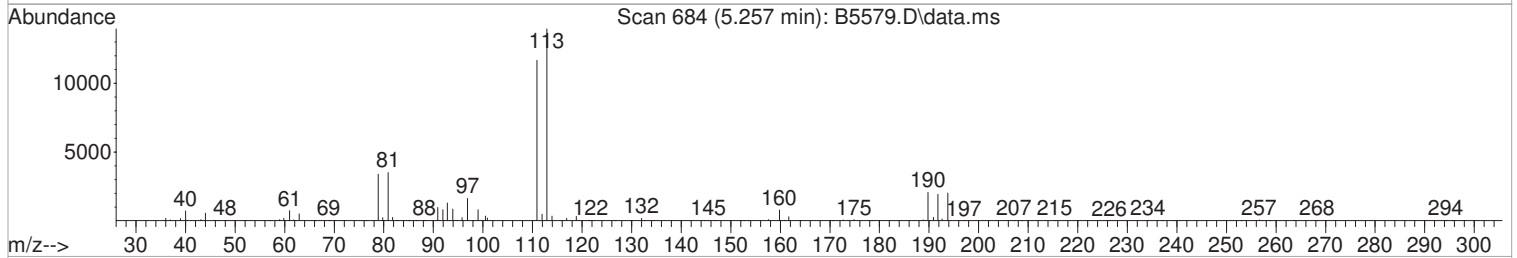
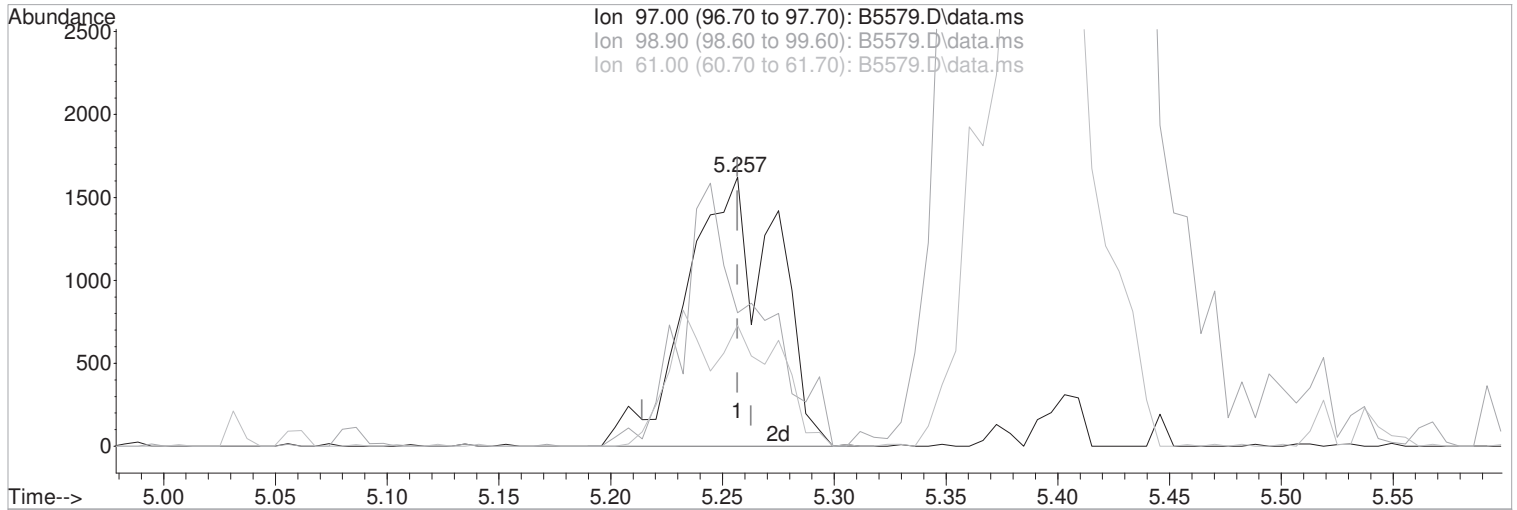
127.90	79.00	84.49

0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



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

5.257min (+0.000) 1.01 ug/L m

response 4531

Ion	Exp%	Act%
97.00	100	100
98.90	63.70	49.57
61.00	48.90	44.94
0.00	0.00	0.00

Manual Integration:

After

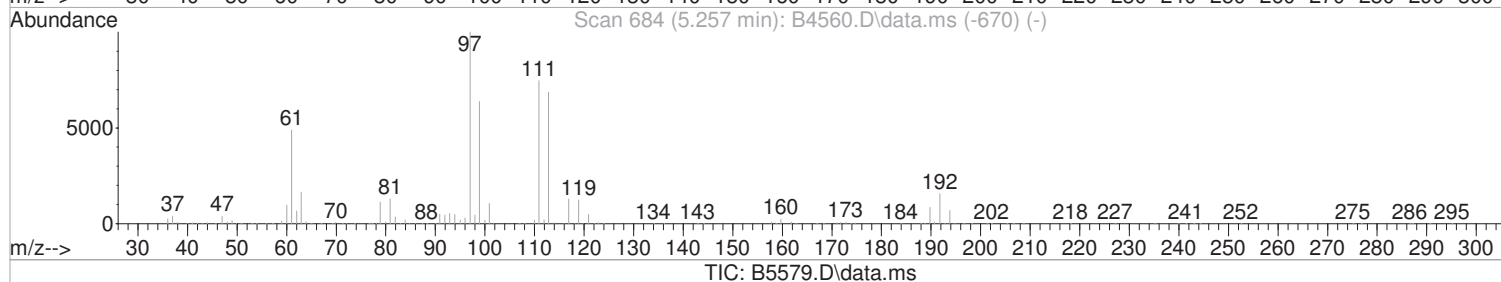
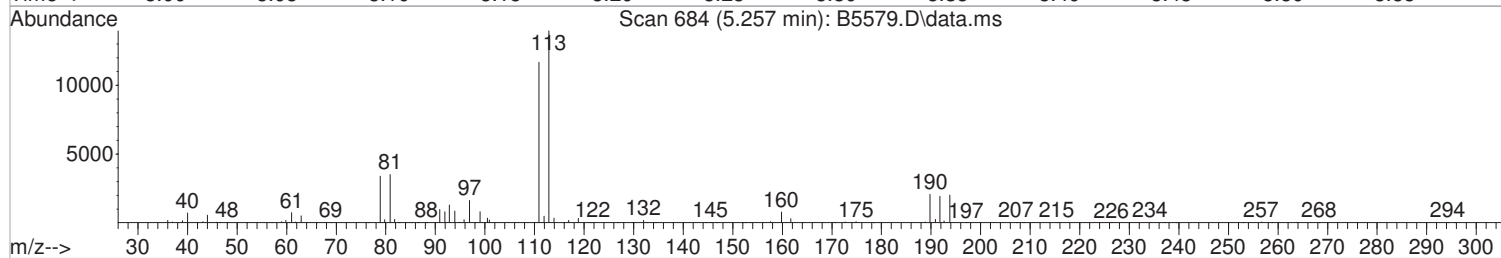
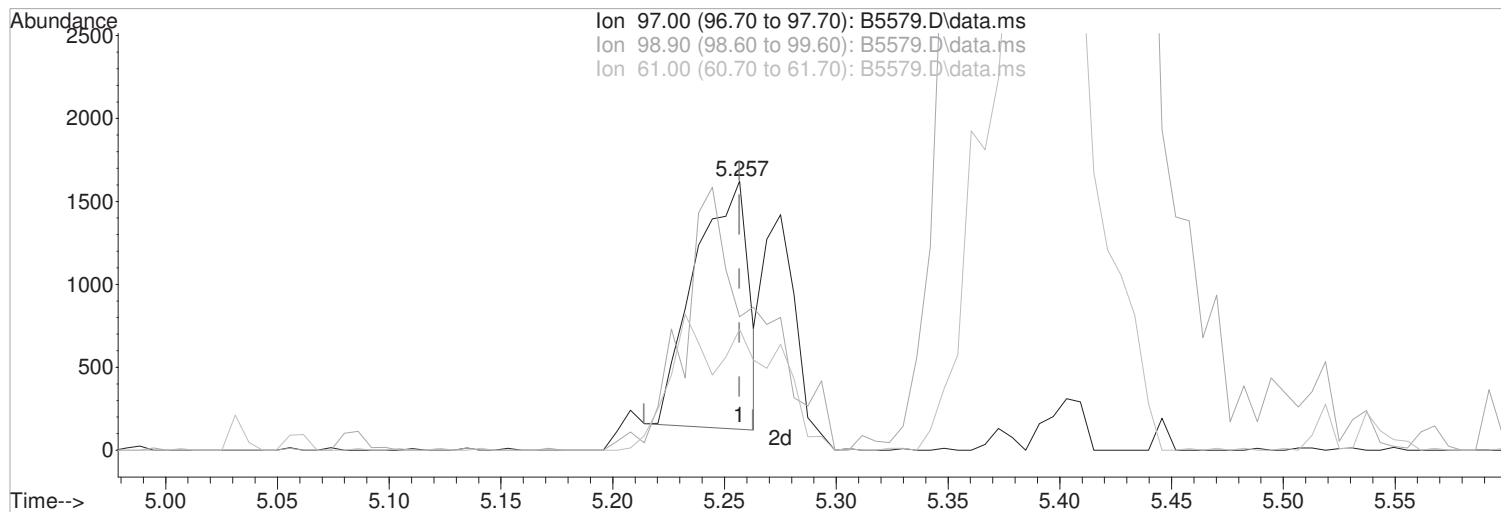
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



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

Manual Integration:

5.257min (+0.000) 0.56 ug/L

Before

response 2493

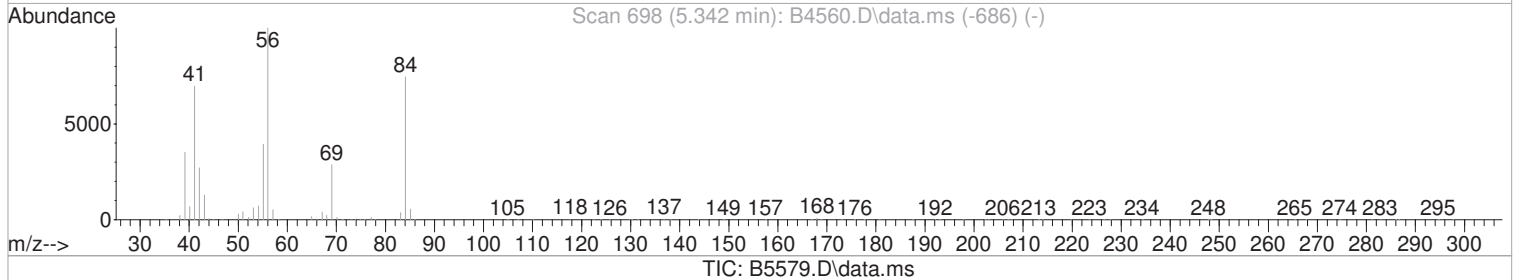
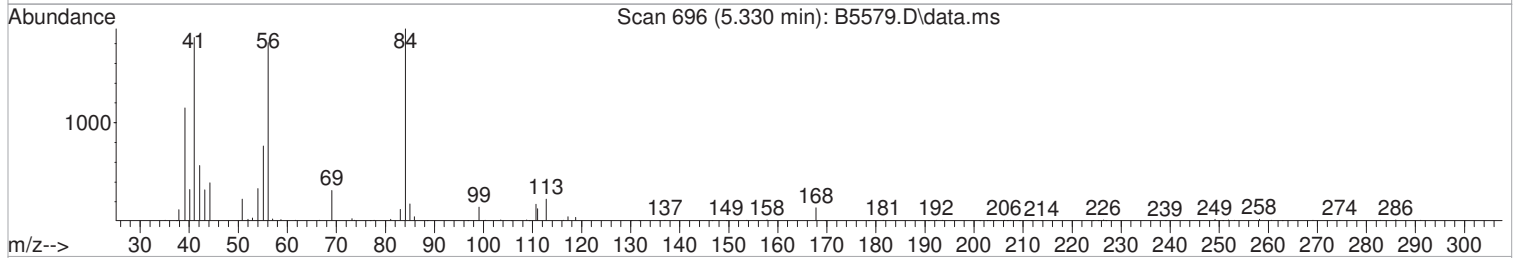
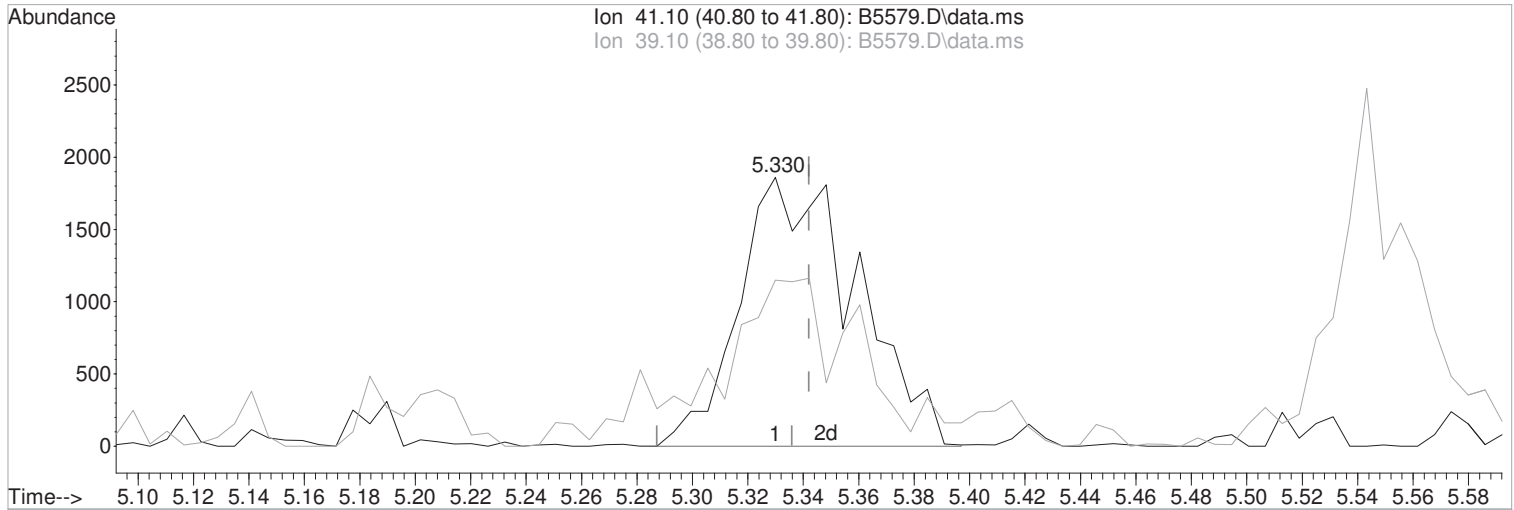
Ion	Exp%	Act%
97.00	100	100
98.90	63.70	49.57
61.00	48.90	44.94
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



(43) Cyclohexane (P)

5.330min (-0.012) 1.13 ug/L m

response 5491

Ion	Exp%	Act%
41.10	100	100
39.10	50.20	61.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

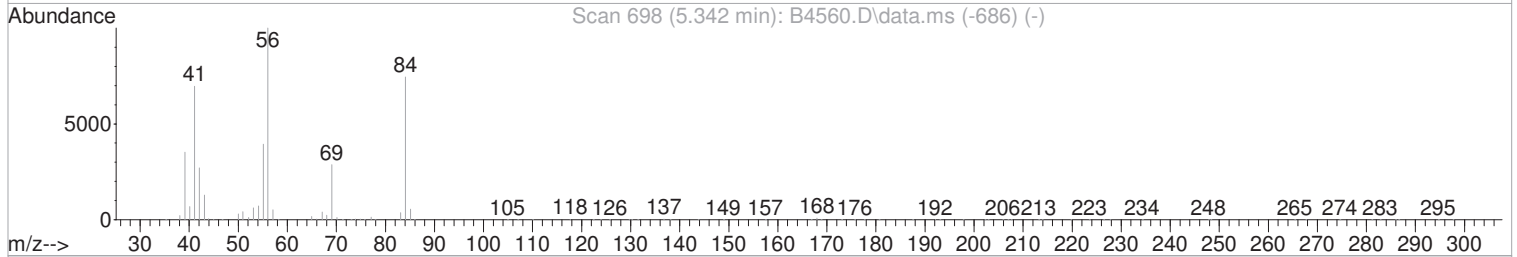
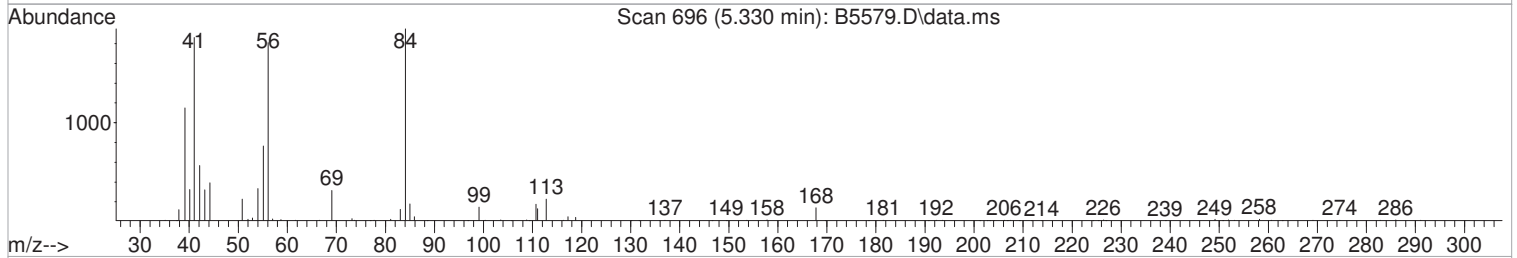
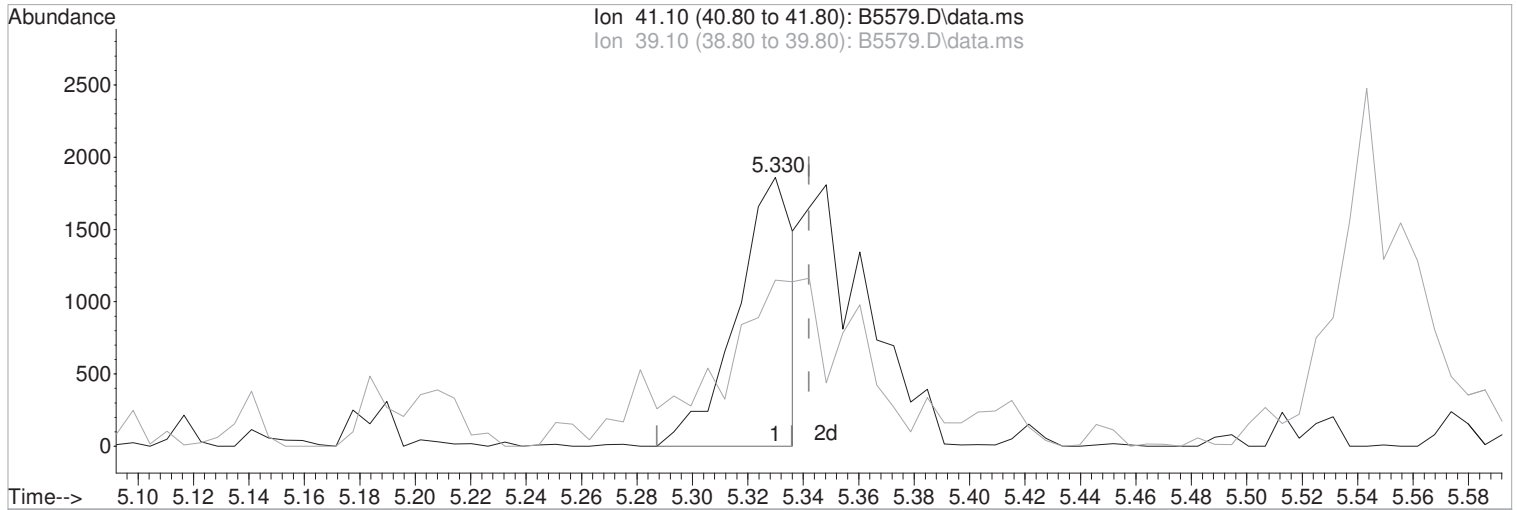
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(43) Cyclohexane (P)

Manual Integration:

5.330min (-0.012) 0.55 ug/L

Before

response 2647

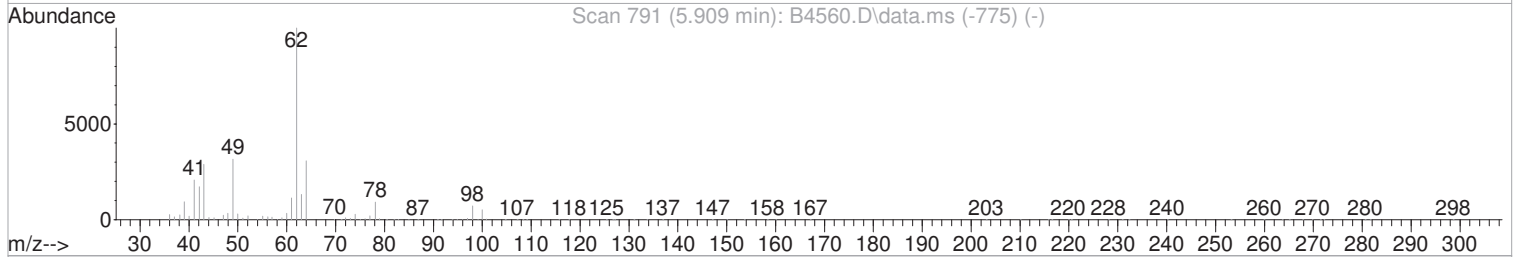
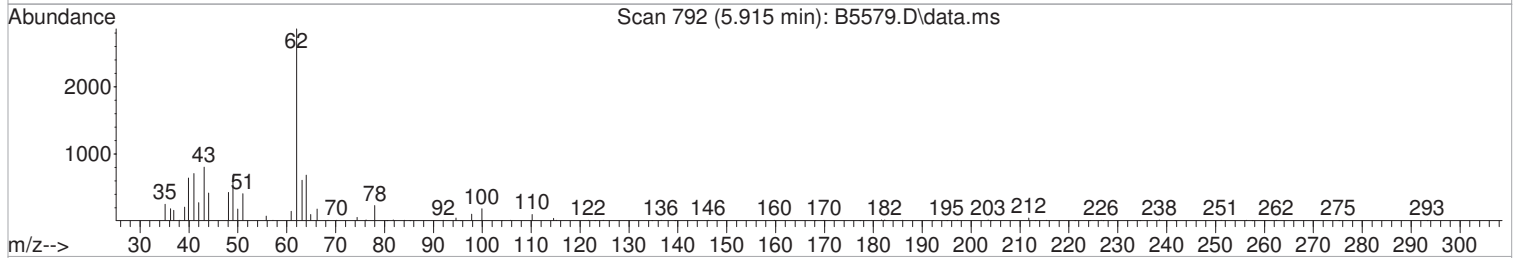
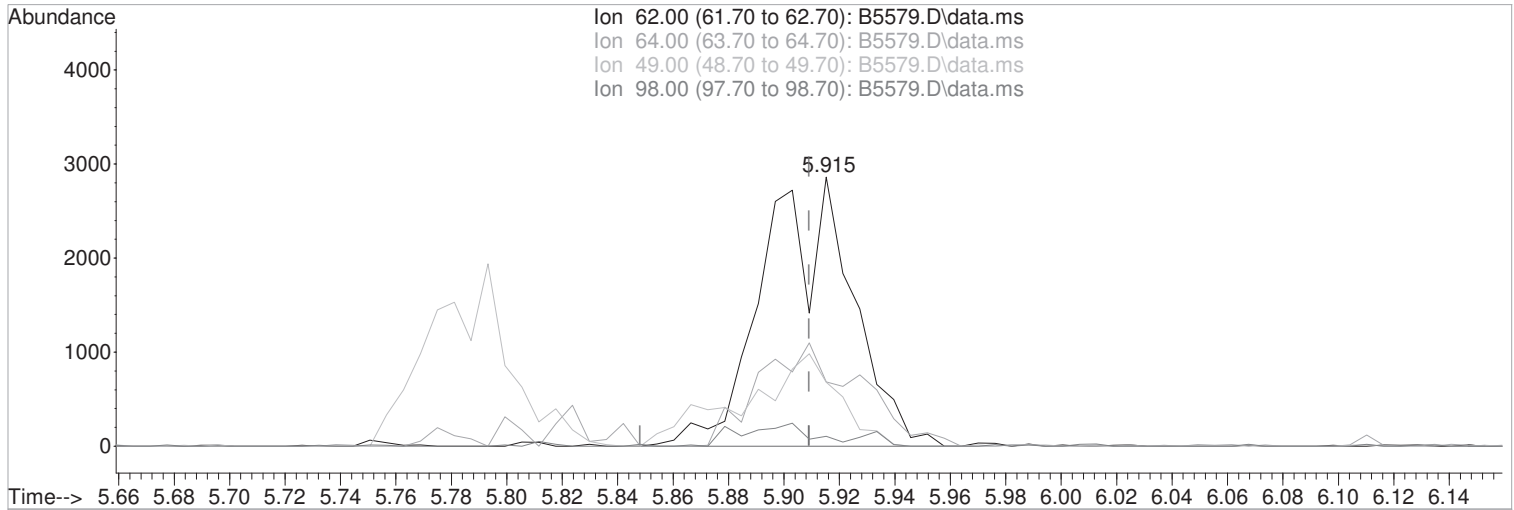
Ion	Exp%	Act%
41.10	100	100
39.10	50.20	61.74
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(49) 1,2-Dichloroethane (P)

5.915min (+0.006) 1.08 ug/L m

response 6410

Ion	Exp%	Act%
62.00	100	100
64.00	31.20	23.92
49.00	32.50	23.78
98.00	7.30	3.64

Manual Integration:

After

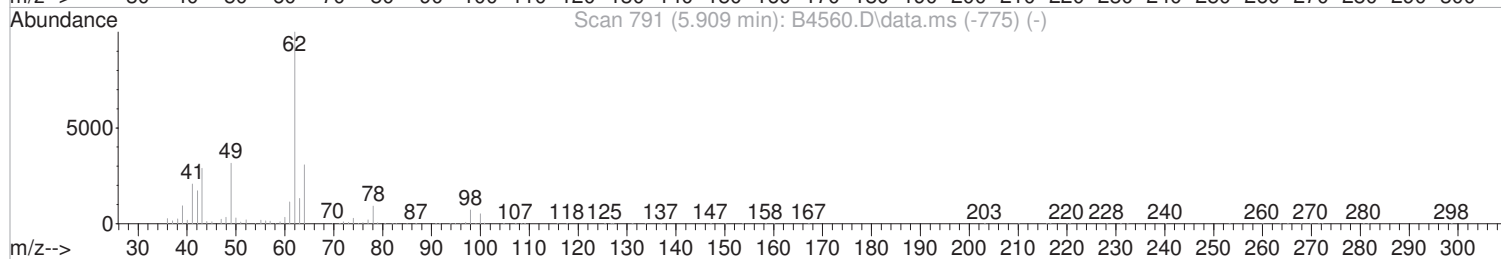
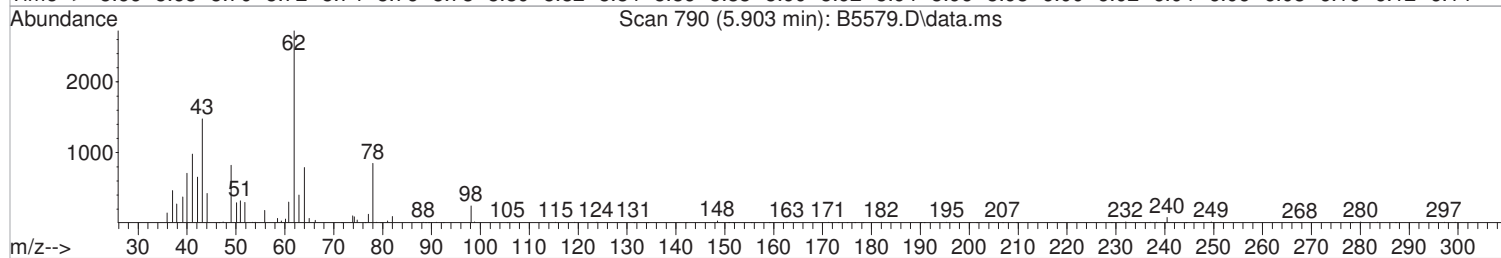
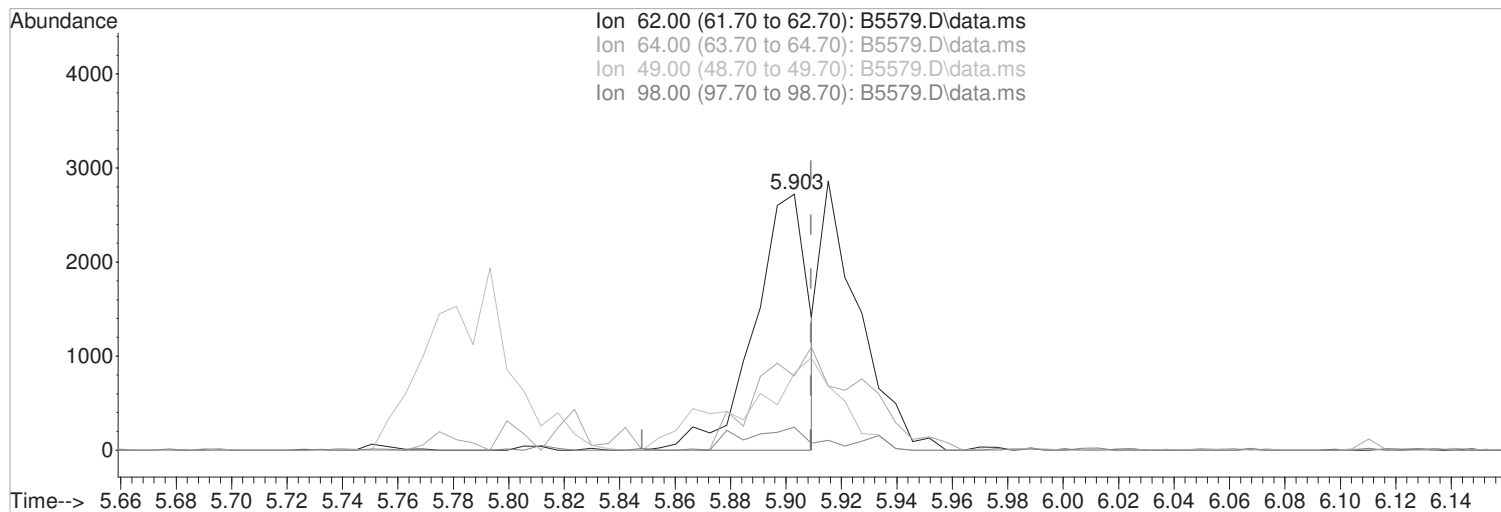
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(49) 1,2-Dichloroethane (P)

Manual Integration:

5.903min (-0.006) 0.62 ug/L

Before

response 3655

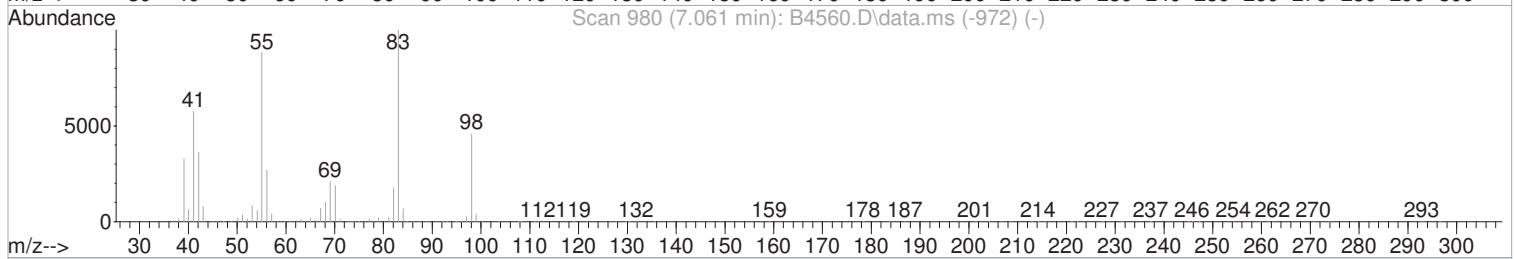
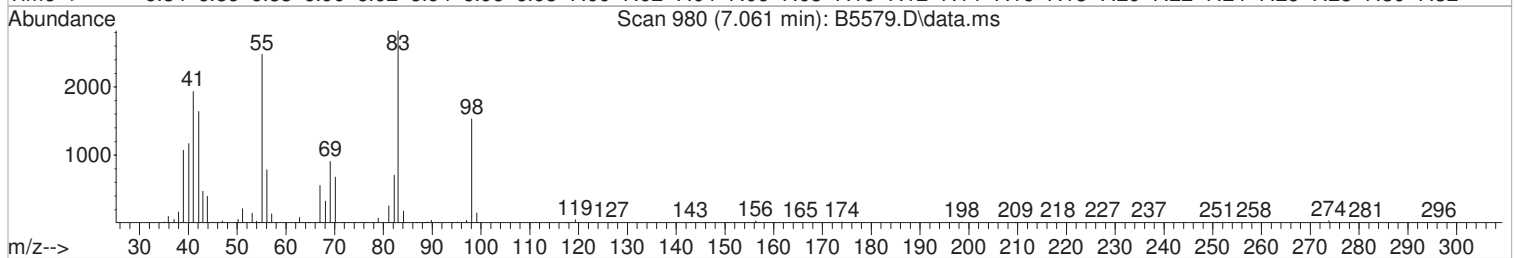
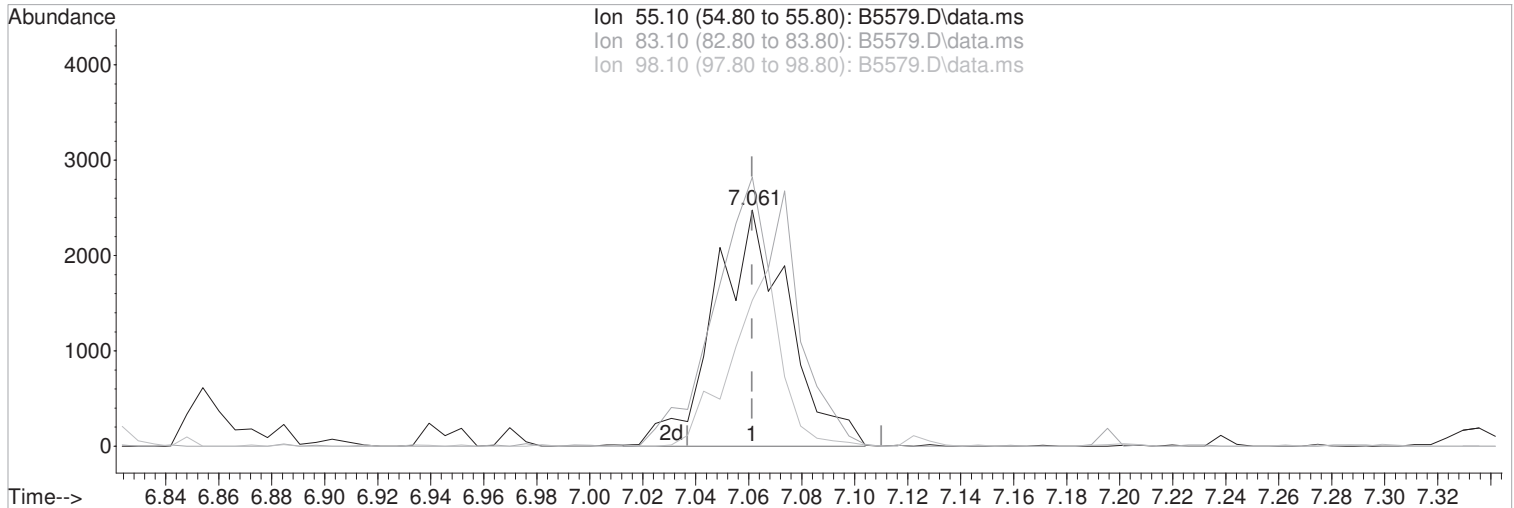
Ion	Exp%	Act%
62.00	100	100
64.00	31.20	28.99
49.00	32.50	30.16
98.00	7.30	9.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(55) Methylcyclohexane (P)

7.061min (+0.000) 0.90 ug/L m

response 4816

Ion	Exp%	Act%
55.10	100	100
83.10	112.90	113.84
98.10	51.70	61.76
0.00	0.00	0.00

Manual Integration:

After

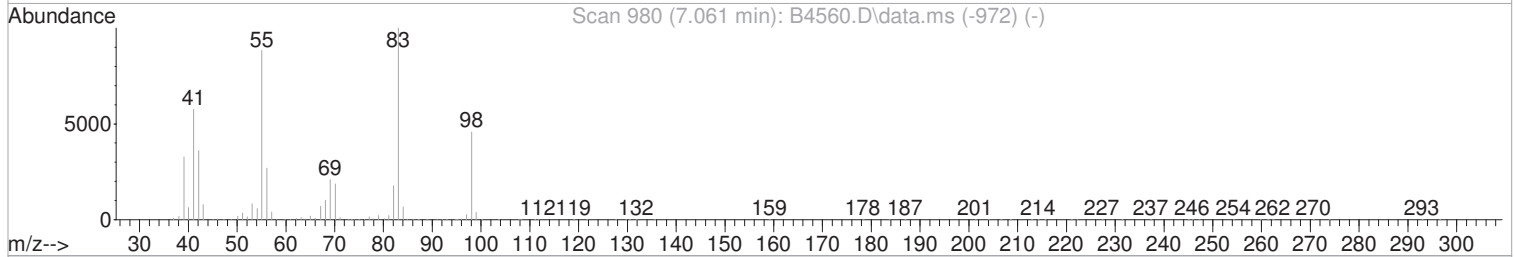
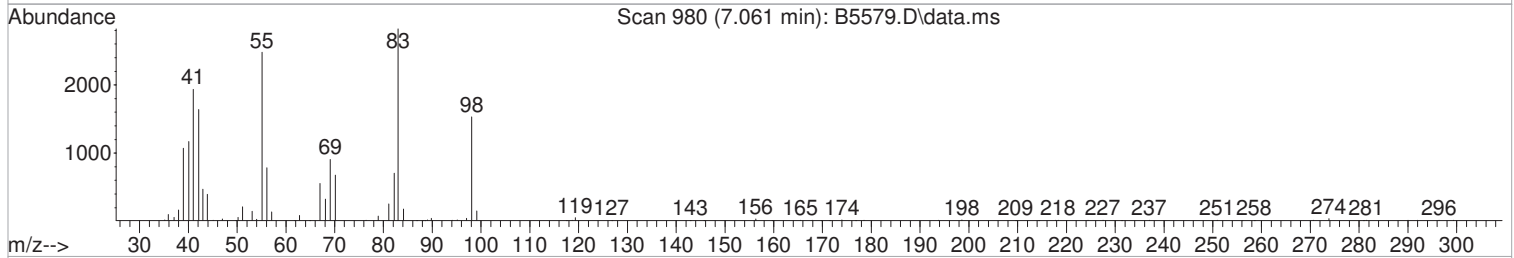
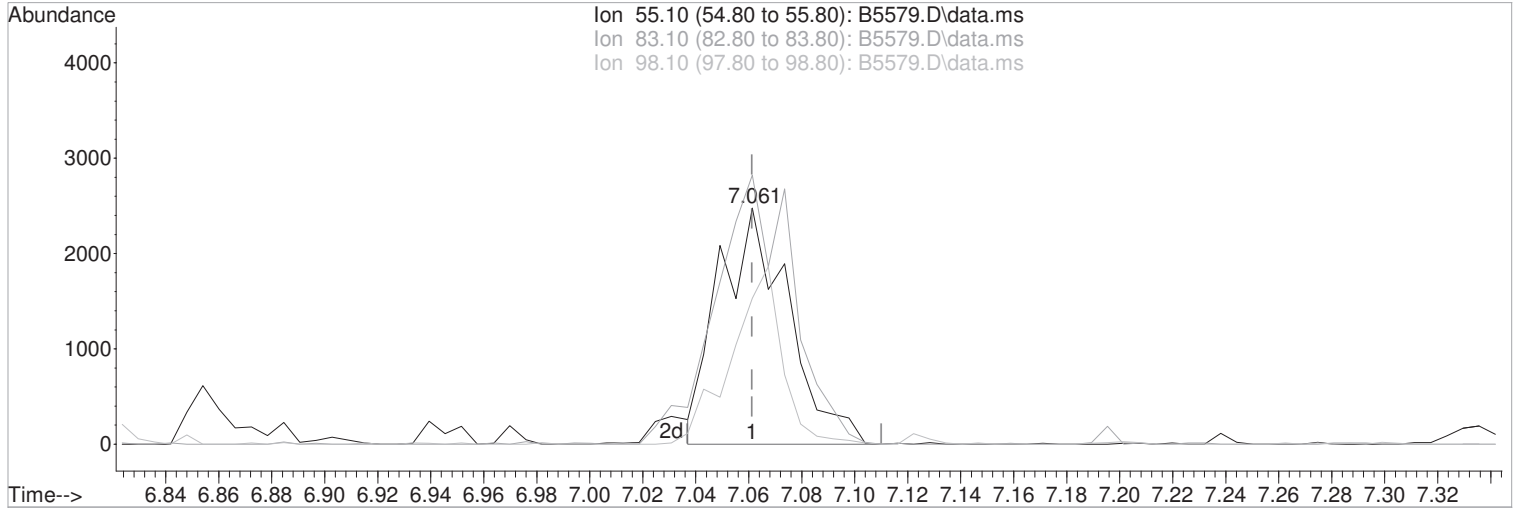
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(55) Methylcyclohexane (P)

Manual Integration:

7.061min (+0.000) 0.85 ug/L

Before

response 4522

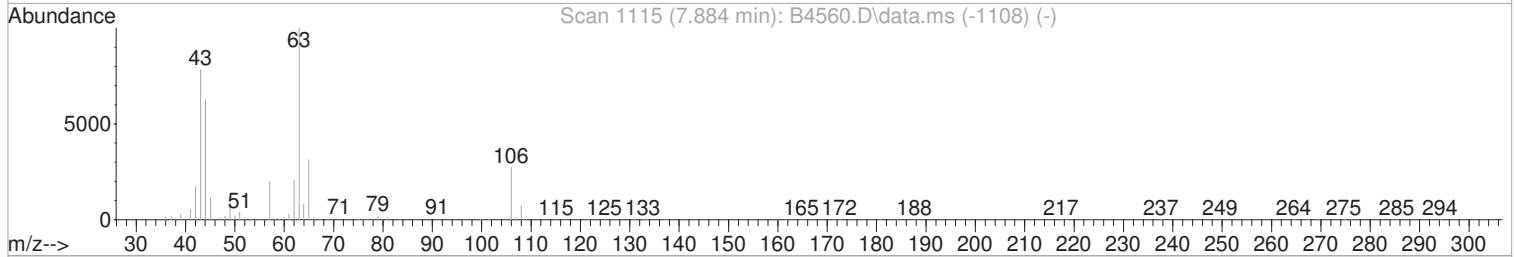
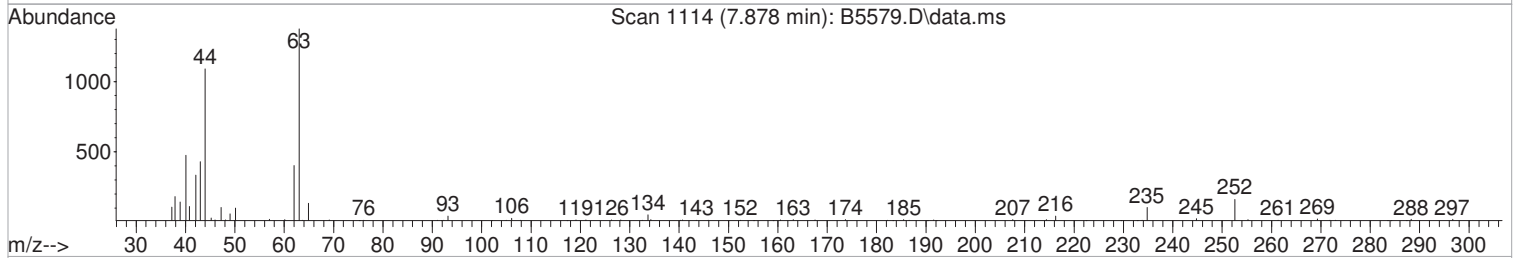
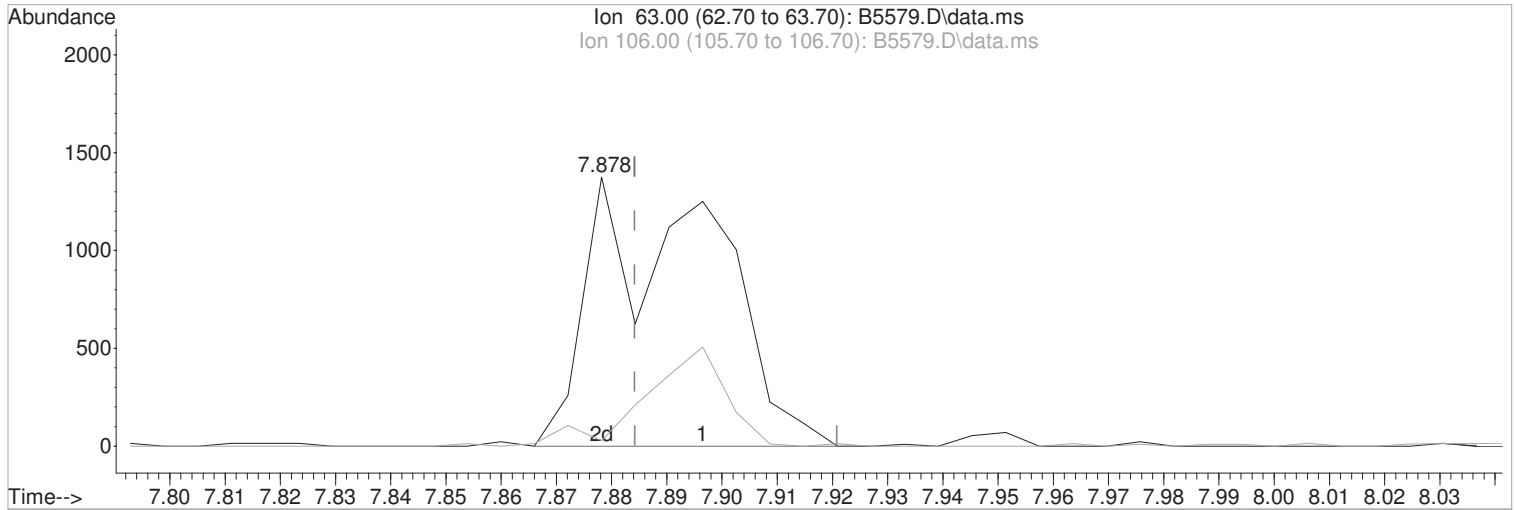
Ion	Exp%	Act%
55.10	100	100
83.10	112.90	113.84
98.10	51.70	61.76
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(62) 2-Chloroethylvinyl Ether

7.878min (-0.006) 0.86 ug/L m

response 2187

Ion	Exp%	Act%
63.00	100	100
106.00	27.00	1.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

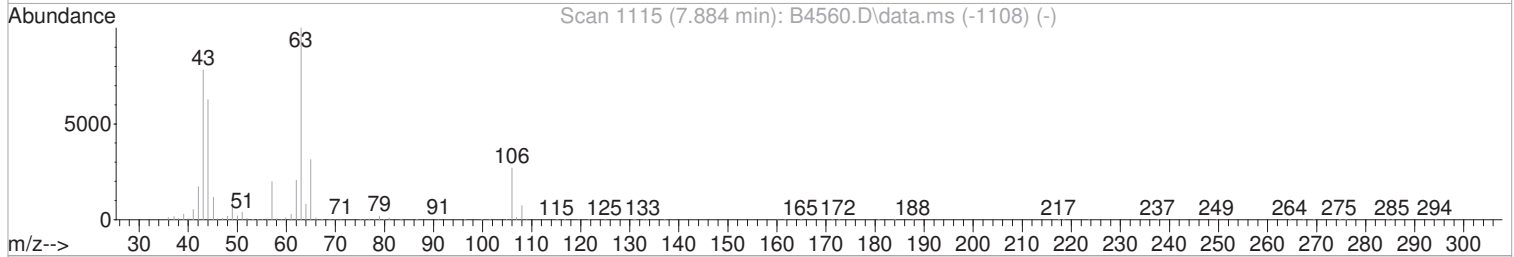
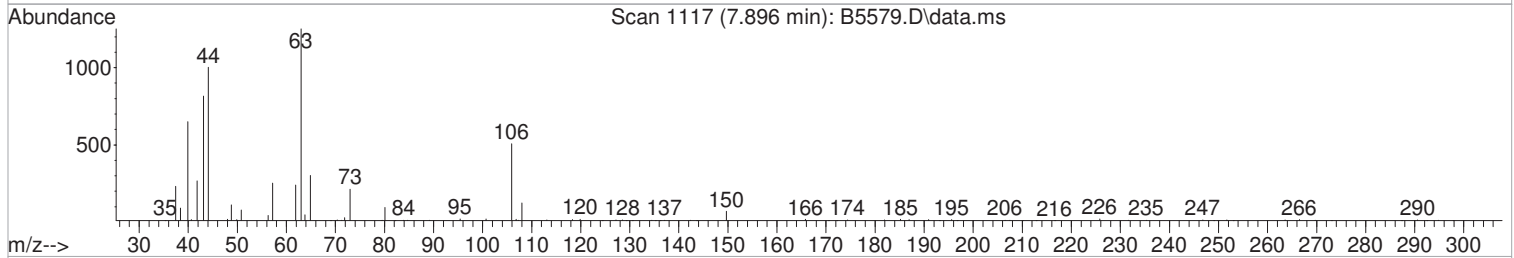
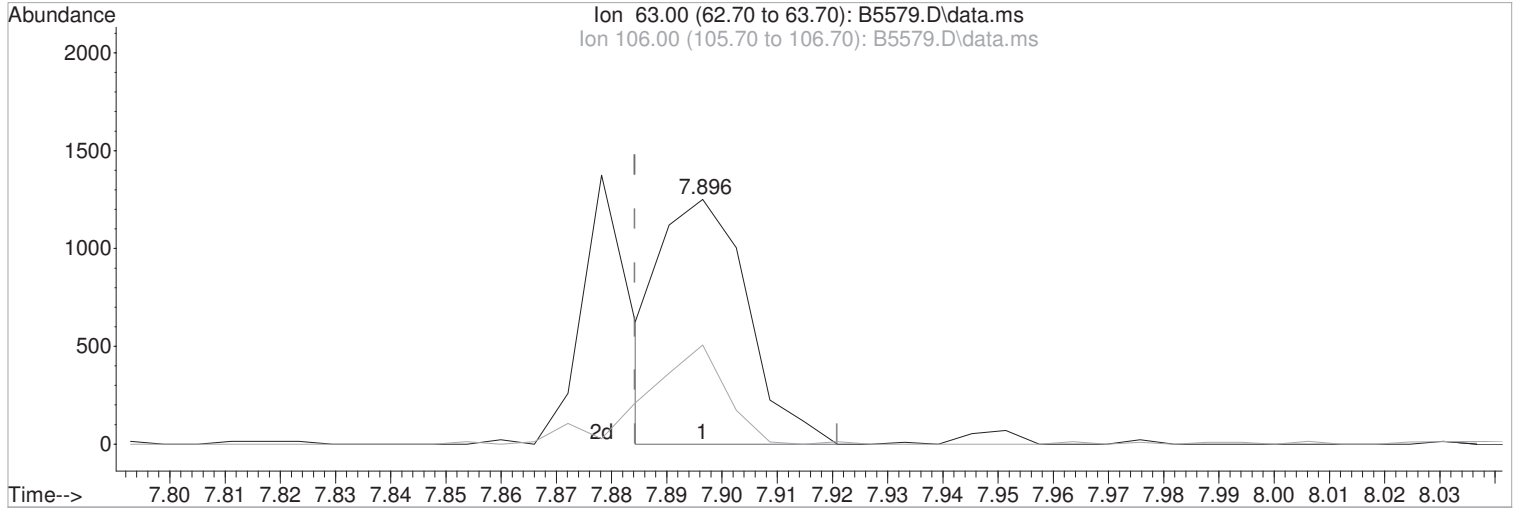
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(62) 2-Chloroethylvinyl Ether

Manual Integration:

7.896min (+0.012) 0.54 ug/L

Before

response 1360

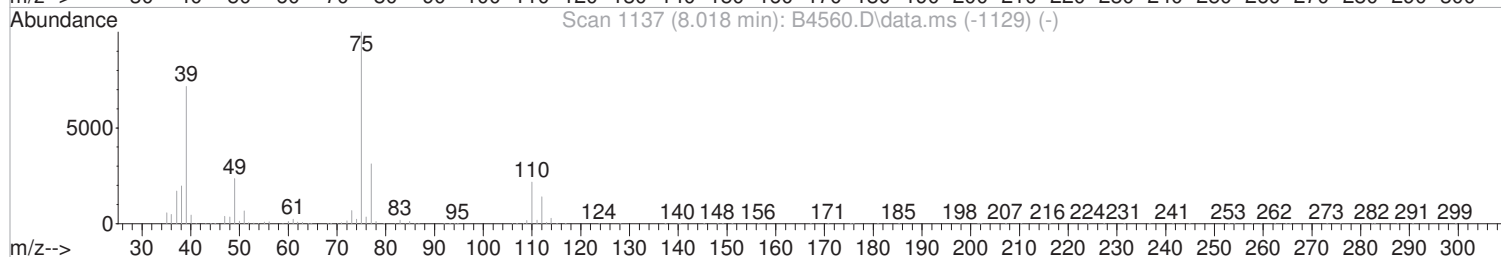
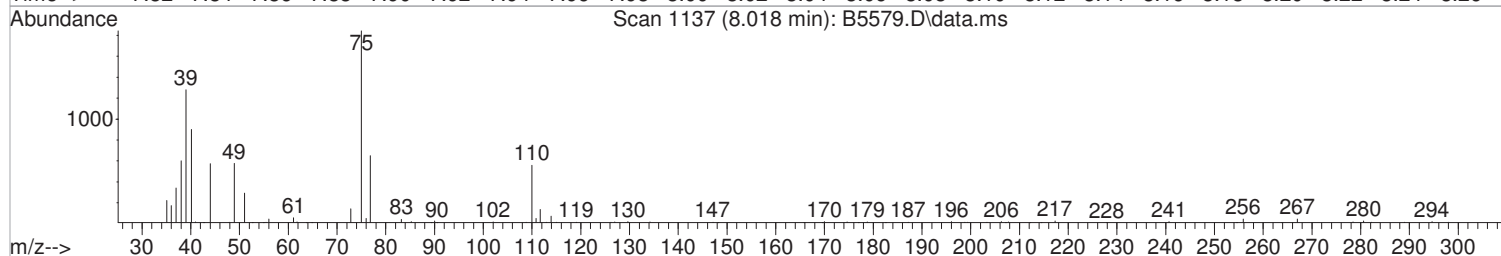
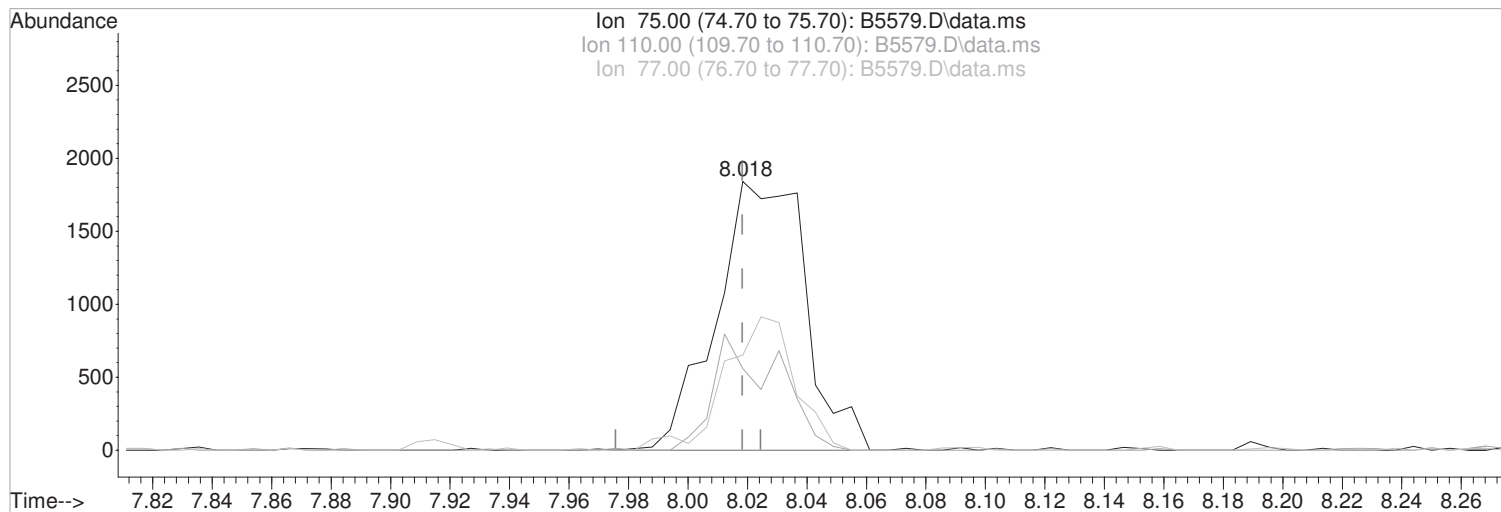
Ion	Exp%	Act%
63.00	100	100
106.00	27.00	40.53
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.018min (+0.000) 0.76 ug/L m

response 3847

Ion	Exp%	Act%
75.00	100	100
110.00	21.80	30.33
77.00	31.20	35.32
0.00	0.00	0.00

Manual Integration:

After

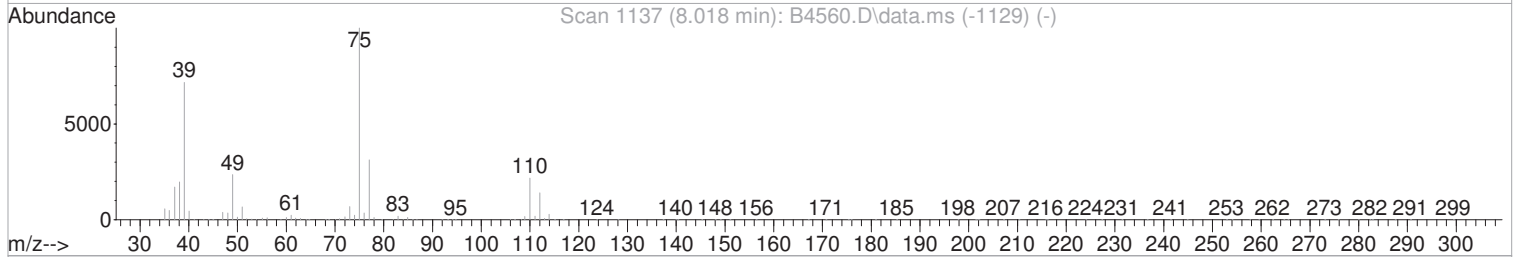
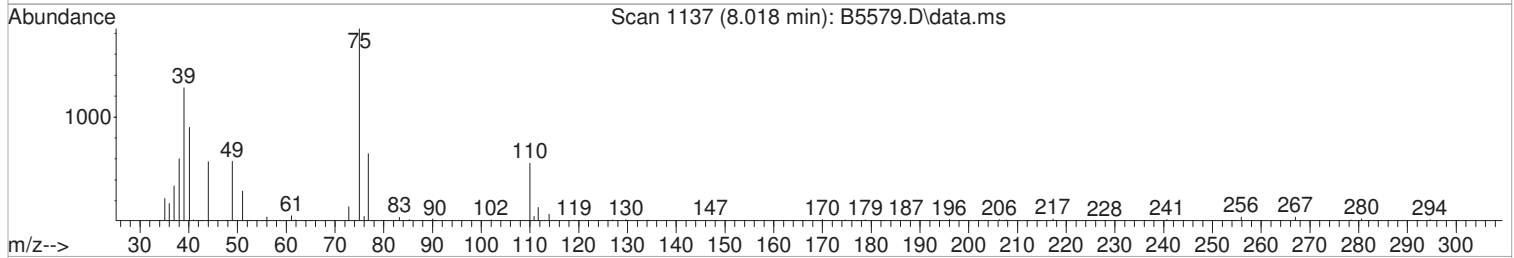
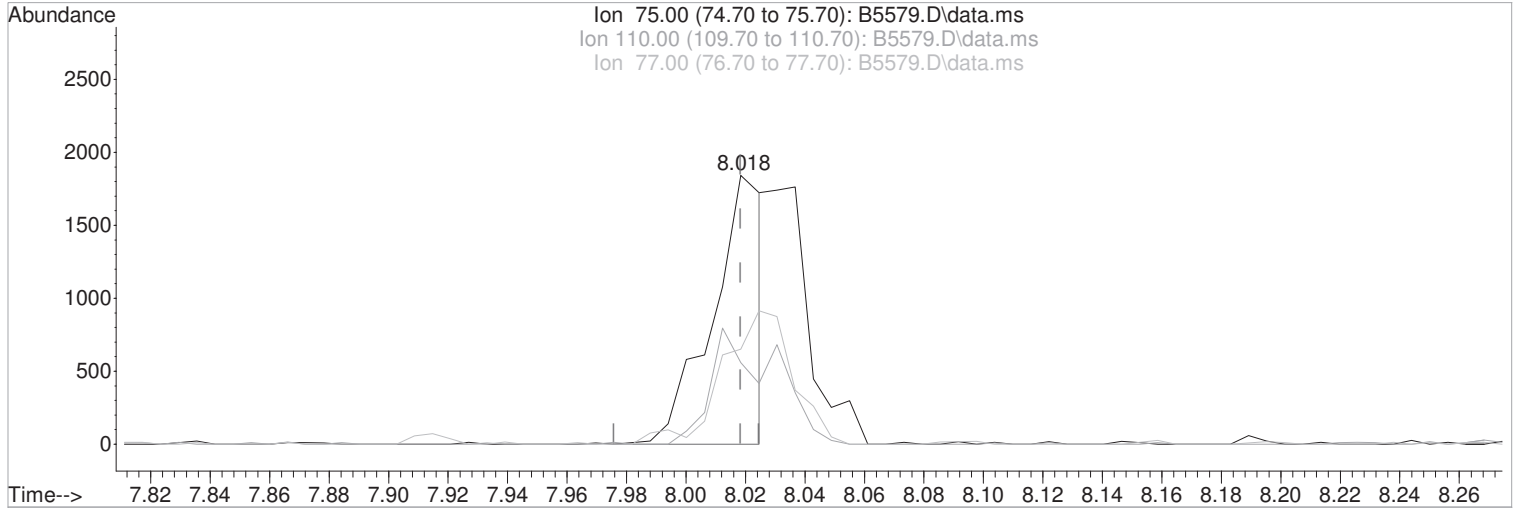
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(63) cis-1,3-Dichloropropene (P)

Manual Integration:

8.018min (+0.000) 0.43 ug/L

Before

response 2199

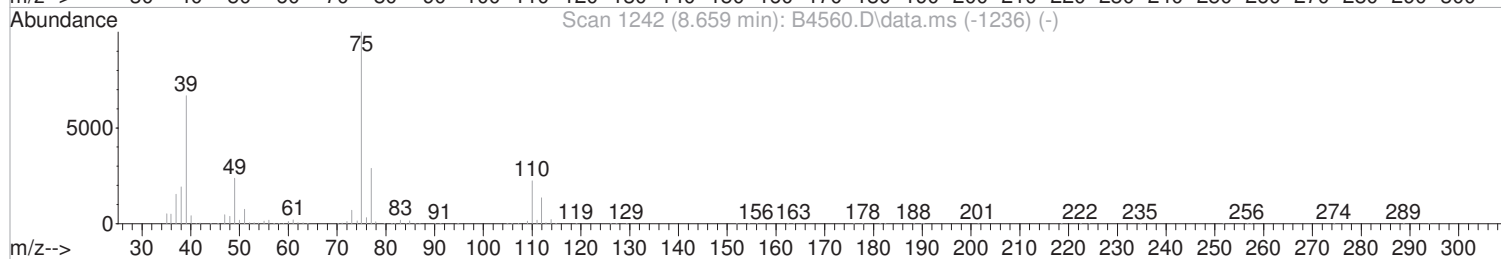
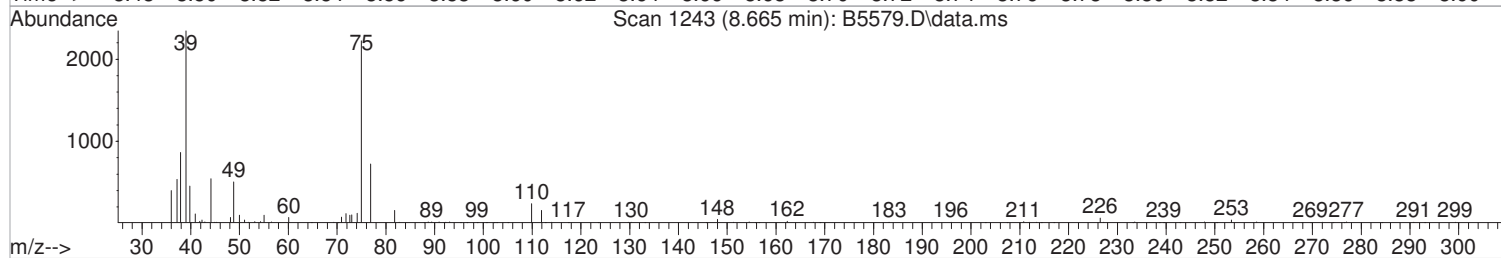
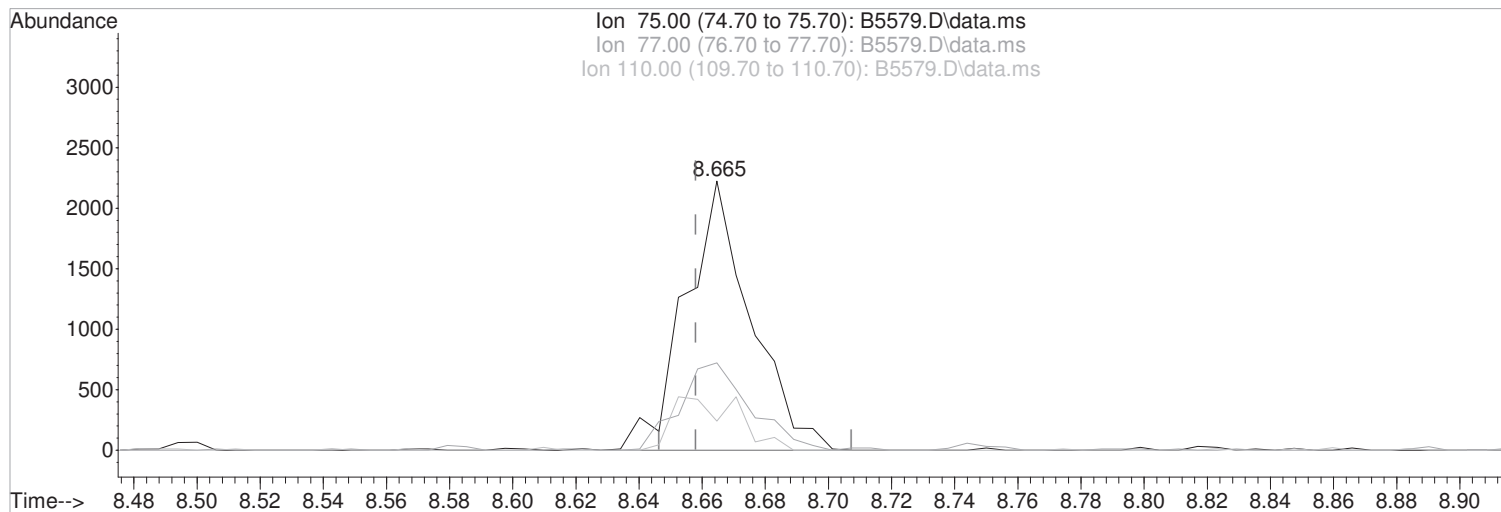
Ion	Exp%	Act%
75.00	100	100
110.00	21.80	30.33
77.00	31.20	35.32
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

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

8.665min (+0.007) 0.73 ug/L m

response 3210

Ion	Exp%	Act%
75.00	100	100
77.00	28.90	32.52
110.00	22.40	10.89
0.00	0.00	0.00

Manual Integration:

After

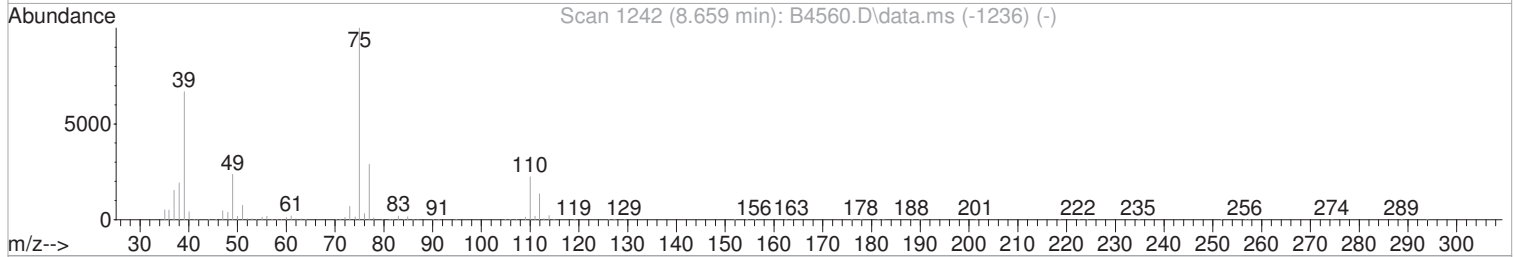
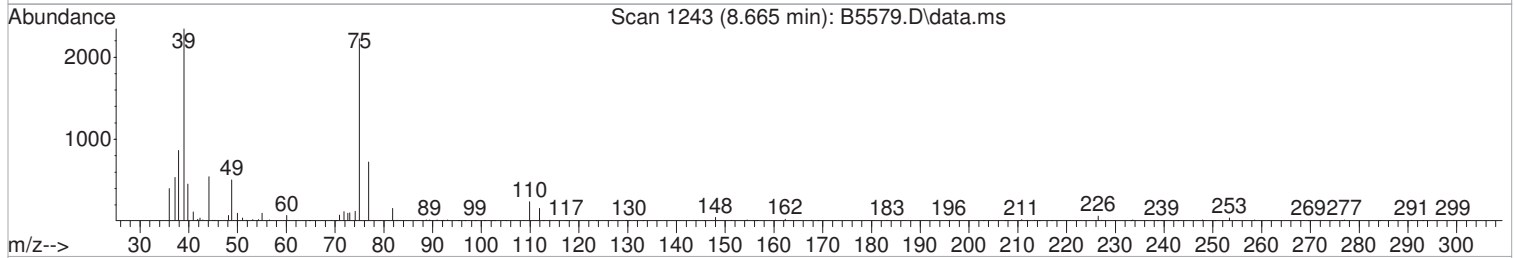
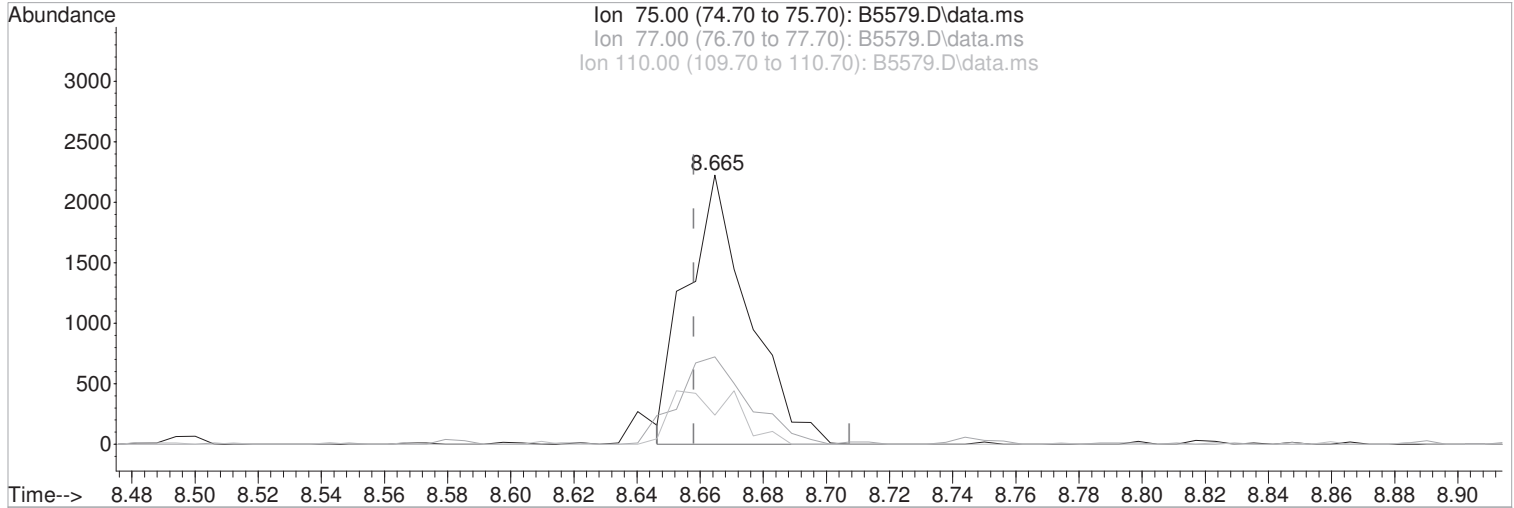
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

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

Manual Integration:

8.665min (+0.007) 0.70 ug/L

Before

response 3050

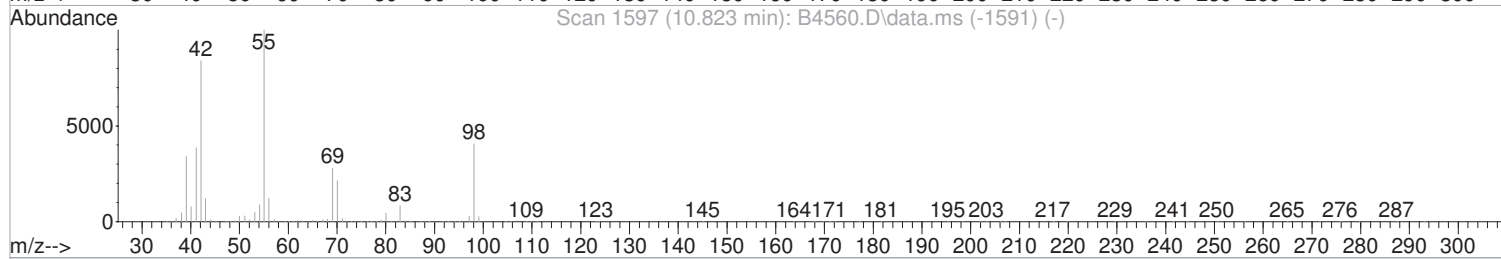
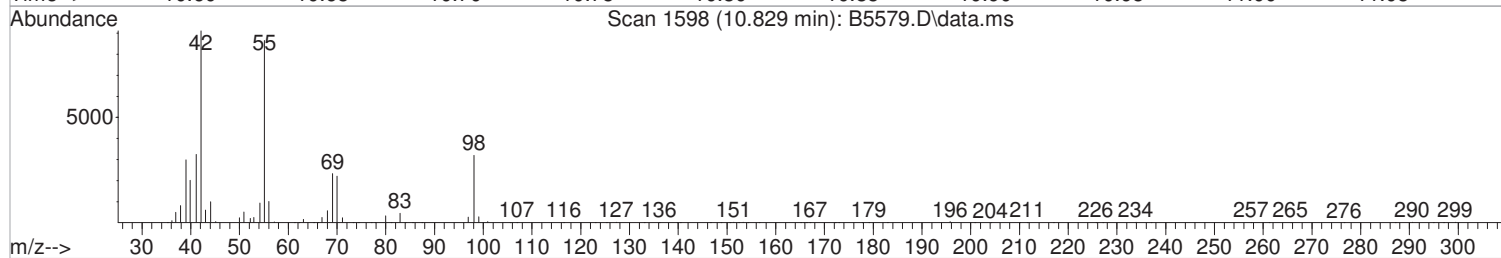
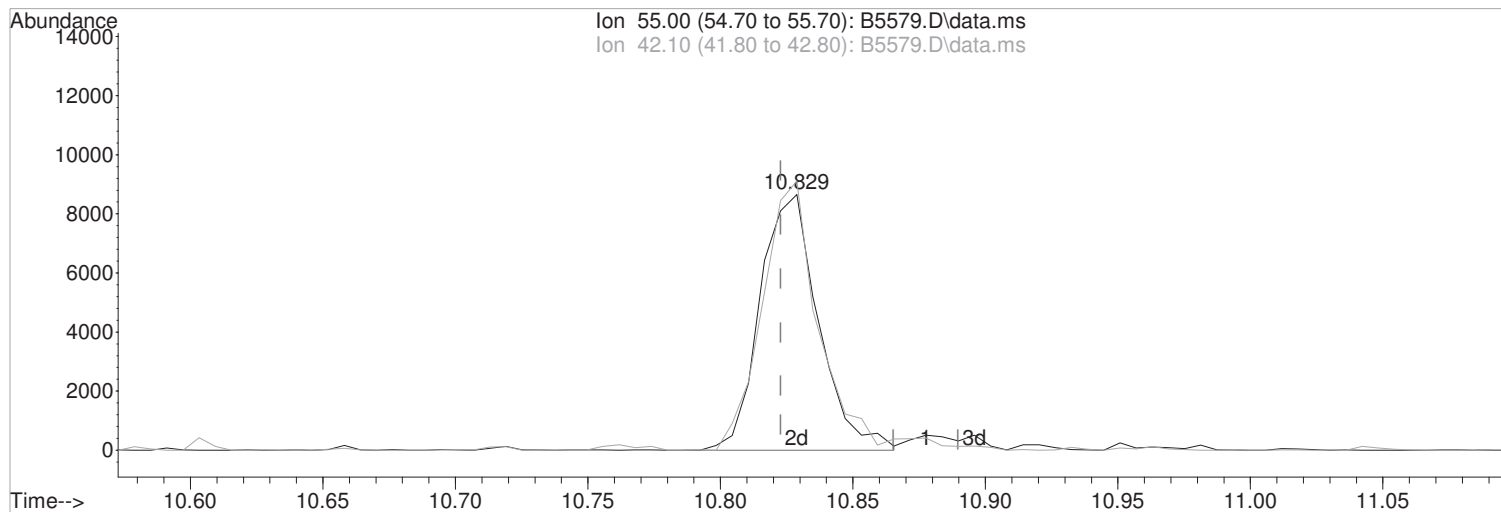
Ion	Exp%	Act%
75.00	100	100
77.00	28.90	32.52
110.00	22.40	10.89
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(89) Cyclohexanone

10.829min (+0.006) 17.47 ug/L m

response 13309

Ion	Exp%	Act%

55.00	100	100

42.10	84.00	105.21#

0.00	0.00	0.00

0.00	0.00	0.00

Manual Integration:

After

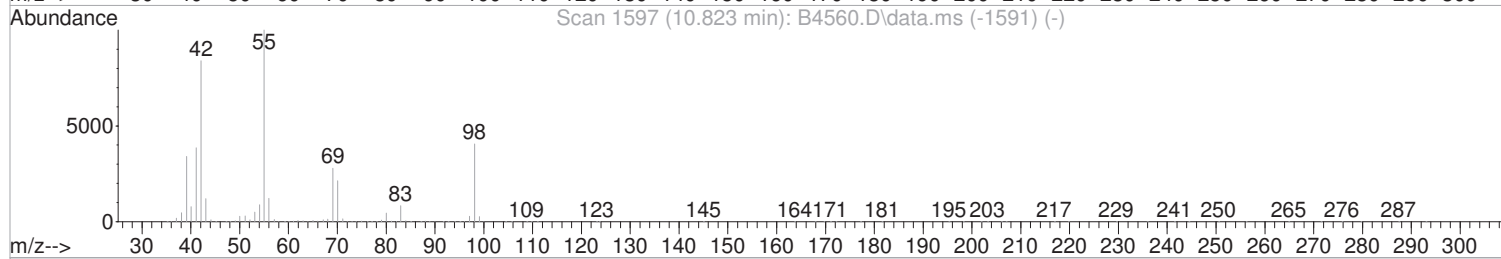
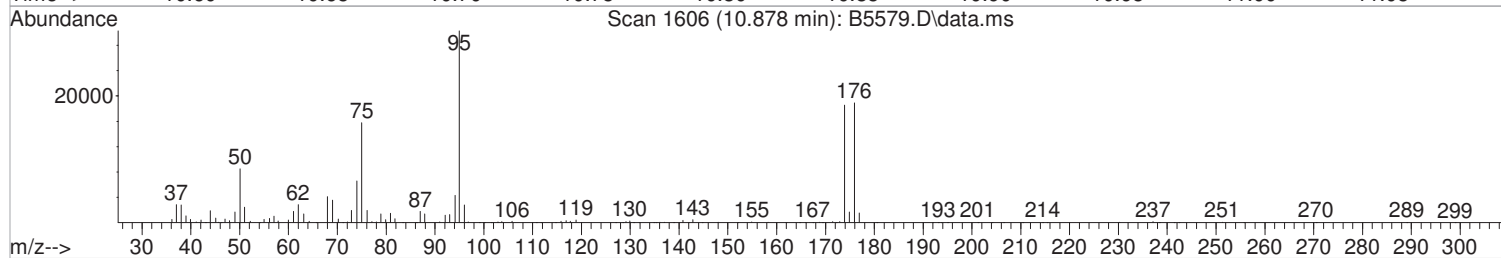
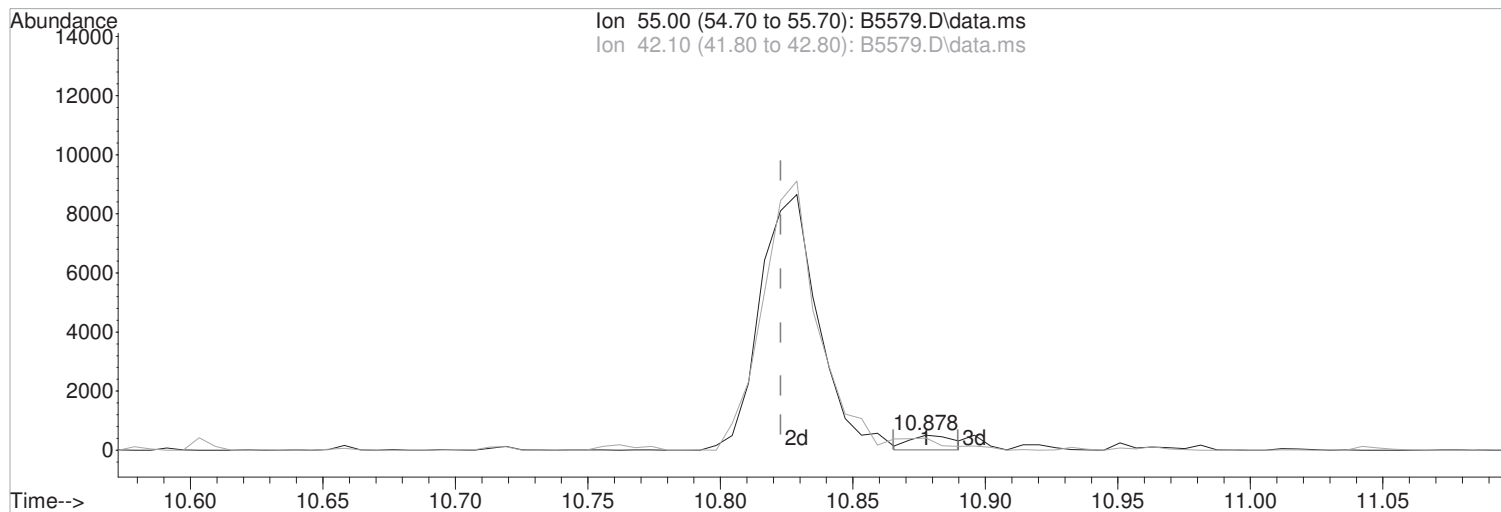
Peak not found.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(89) Cyclohexanone

Manual Integration:

10.878min (+0.055) 0.77 ug/L

Before

response 584

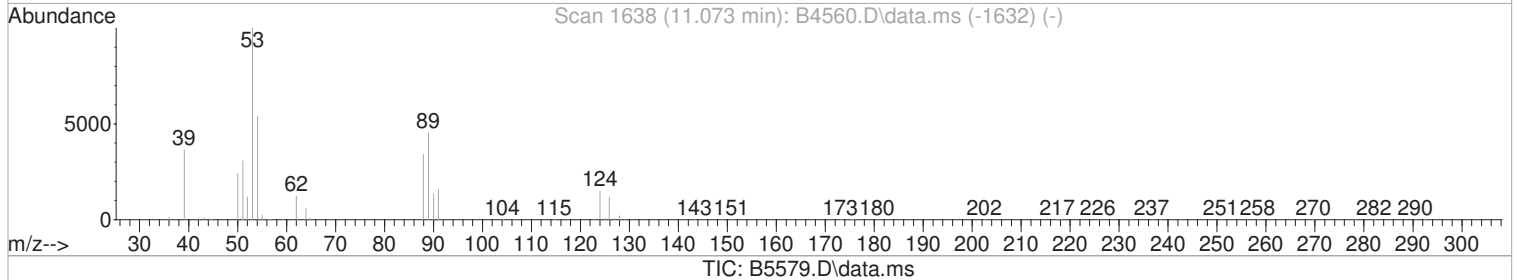
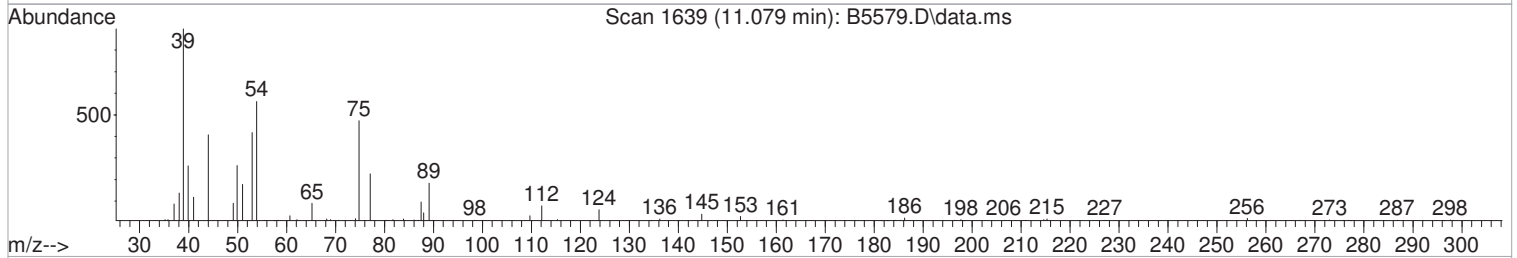
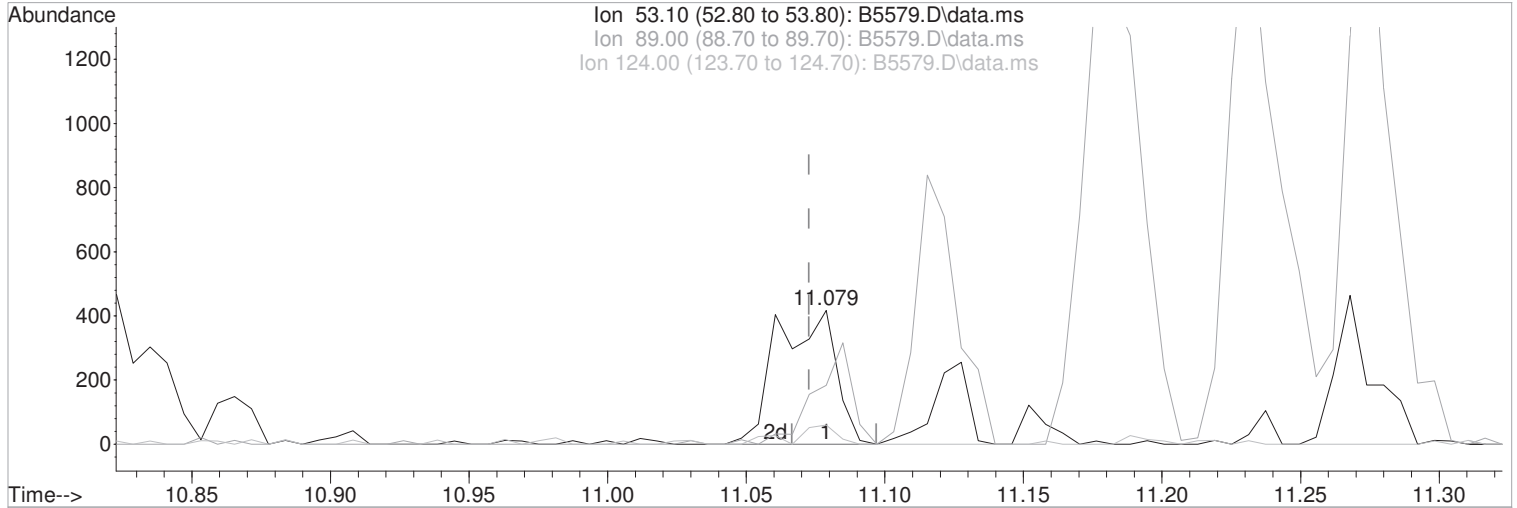
Ion	Exp%	Act%
55.00	100	100
42.10	84.00	80.51
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5579.D\data.ms

(90) trans-1,4-Dichloro-2-Butene

11.079min (+0.006) 0.42 ug/L m

response 613

Ion	Exp%	Act%
53.10	100	100
89.00	45.20	43.88
124.00	14.80	14.39
0.00	0.00	0.00

Manual Integration:

After

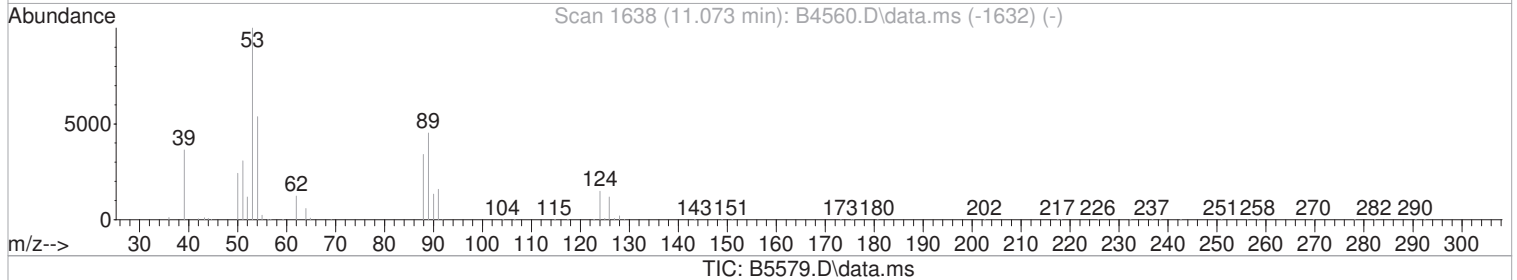
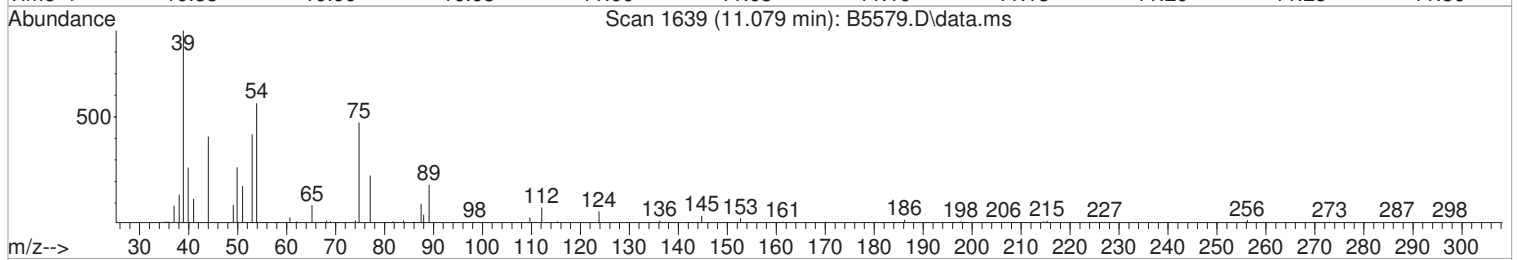
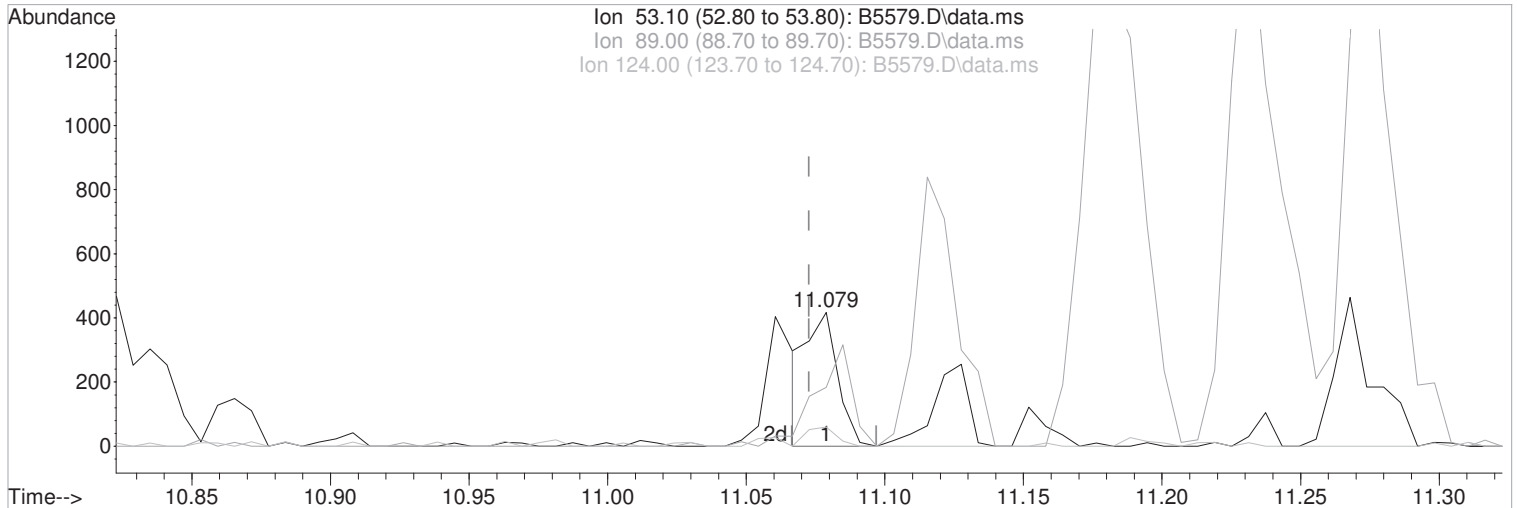
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5579.D
Acq On : 8 Sep 2022 10:56 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:25:16 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



(90) trans-1,4-Dichloro-2-Butene

Manual Integration:

11.079min (+0.006) 0.22 ug/L

Before

response 327

Ion	Exp%	Act%
53.10	100	100
89.00	45.20	43.88
124.00	14.80	14.39
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5579.D
 Acq On : 8 Sep 2022 10:56 am
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:28:58 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	379232	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	631629	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	553489	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	258247	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.251	113	49262	13.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	26.88%#
47) surr1,1,2-dichloroetha...	5.787	65	60075	12.43	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	24.86%#
65) SURR3,Toluene-d8	8.317	98	175615	12.37	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	24.74%#
70) SURR2,BFB	10.884	95	60762	10.84	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	21.68%#

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.166	51	4014	0.91	ug/L	63
3) Dichlorodifluoromethane	1.148	85	3738	0.90	ug/L	79
4) Chloromethane	1.288	50	5006	1.07	ug/L	66
5) Vinyl Chloride	1.355	62	4605	0.96	ug/L	86
6) Bromomethane	1.587	94	4786	2.09	ug/L #	71
7) Chloroethane	1.666	64	3459	1.25	ug/L	84
8) Freon 21	1.812	67	7600	1.18	ug/L	78
9) Trichlorofluoromethane	1.861	101	6482	1.38	ug/L #	65
10) Diethyl Ether	2.087	59	3357	0.99	ug/L	97
11) Freon 123a	2.099	67	5601	1.38	ug/L	87
12) Freon 123	2.148	83	4461	1.01	ug/L #	58
13) Acrolein	2.196	56	4756	5.85	ug/L	98
14) 1,1-Dicethene	2.276	96	3323	1.16	ug/L #	82
15) Freon 113	2.282	101	3957	1.34	ug/L #	75
16) Acetone	2.324	43	3850	1.80	ug/L	89
17) 2-Propanol	2.459	45	8022	19.68	ug/L	93
18) Iodomethane	2.416	142	3230	0.66	ug/L	76
19) Carbon Disulfide	2.483	76	10151	1.16	ug/L	96
20) Acetonitrile	2.599	41	5110	6.77	ug/L	82
21) Allyl Chloride	2.623	76	2012m	1.18	ug/L	
22) Methyl Acetate	2.635	43	6526	1.22	ug/L	93
23) Methylene Chloride	2.733	84	4677	1.34	ug/L #	84
24) TBA	2.861	59	8724	14.98	ug/L	92
25) Acrylonitrile	2.995	53	10633	5.30	ug/L	99
26) Methyl-t-Butyl Ether	3.032	73	11480	1.08	ug/L	96
27) trans-1,2-Dichloroethene	3.032	96	4329	1.40	ug/L #	82
28) 1,1-Dicethane	3.531	63	6309	0.99	ug/L	82
29) Vinyl Acetate	3.623	86	441m	0.90	ug/L	
30) DIPE	3.666	45	13386	0.95	ug/L	92
31) 2-Chloro-1,3-Butadiene	3.653	53	7075m	1.23	ug/L	
32) ETBE	4.196	59	10012	0.87	ug/L	95
33) 2,2-Dichloropropane	4.361	77	2921	0.77	ug/L	78
34) cis-1,2-Dichloroethene	4.379	96	4662	1.31	ug/L #	81
35) 2-Butanone	4.434	43	4133	1.29	ug/L	87
36) Propionitrile	4.519	54	4295	5.16	ug/L	86
37) Bromochloromethane	4.769	130	3057m	1.27	ug/L	
38) Methacrylonitrile	4.787	67	1963	0.99	ug/L #	71
39) Tetrahydrofuran	4.867	42	3088	1.59	ug/L #	48
40) Chloroform	4.952	83	6836	1.18	ug/L	87

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5579.D
 Acq On : 8 Sep 2022 10:56 am
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:28:58 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.257	97	4531m	1.01	ug/L	
43) Cyclohexane	5.330	41	5491m	1.13	ug/L	
45) Carbontetrachloride	5.537	117	3567	0.92	ug/L #	73
46) 1,1-Dichloropropene	5.549	75	4855	1.01	ug/L #	76
48) Benzene	5.872	78	14586	1.01	ug/L	92
49) 1,2-Dichloroethane	5.915	62	6410m	1.08	ug/L	
50) Iso-Butyl Alcohol	5.885	43	4635	14.34	ug/L	86
51) TAME	6.110	73	9785	0.90	ug/L	89
52) n-Heptane	6.366	43	5268	0.98	ug/L	89
53) 1-Butanol	6.866	56	4234	25.57	ug/L	87
54) Trichloroethene	6.830	130	4220	1.11	ug/L #	81
55) Methylcyclohexane	7.061	55	4816m	0.90	ug/L	
56) 1,2-Dicloropropane	7.104	63	3853	0.94	ug/L	86
57) Dibromomethane	7.250	93	3495	1.37	ug/L	83
58) 1,4-Dioxane	7.311	88	1468	19.89	ug/L #	41
59) Methyl Methacrylate	7.342	69	2585	0.84	ug/L #	85
60) Bromodichloromethane	7.470	83	4685	1.05	ug/L	91
61) 2-Nitropropane	7.762	41	2631	2.38	ug/L #	62
62) 2-Chloroethylvinyl Ether	7.878	63	2187m	0.86	ug/L	
63) cis-1,3-Dichloropropene	8.018	75	3847m	0.76	ug/L	
64) 4-Methyl-2-pentanone	8.232	43	5644	0.88	ug/L	83
66) Toluene	8.396	91	16656	1.08	ug/L	96
67) trans-1,3-Dichloropropene	8.665	75	3210m	0.73	ug/L	
68) Ethyl Methacrylate	8.799	69	4034	0.74	ug/L #	79
69) 1,1,2-Trichloroethane	8.854	97	3571	1.04	ug/L #	69
72) Tetrachloroethene	8.988	164	3276	1.15	ug/L #	77
73) 2-Hexanone	9.146	43	3494	0.76	ug/L	89
74) 1,3-Dichloropropane	9.024	76	6748	1.08	ug/L	81
75) Dibromochloromethane	9.244	129	3590	1.12	ug/L	95
76) N-Butyl Acetate	9.305	43	7727	0.85	ug/L	84
77) 1,2-Dibromoethane	9.347	107	3595	1.01	ug/L	90
78) 3-Chlorobenzotrifluoride	9.860	180	5247	0.94	ug/L	99
79) Chlorobenzene	9.835	112	9987	0.99	ug/L	92
80) 4-Chlorobenzotrifluoride	9.914	180	4305	0.87	ug/L	83
81) 1,1,1,2-Tetrachloroethane	9.927	131	3255	1.07	ug/L #	74
82) Ethylbenzene	9.957	106	5393	1.03	ug/L #	77
83) (m+p)Xylene	10.067	106	12926	2.06	ug/L #	73
84) o-Xylene	10.433	106	6248	0.99	ug/L #	75
85) Styrene	10.445	104	10317	0.98	ug/L	84
86) Bromoform	10.591	173	2199	1.07	ug/L	84
87) 2-Chlorobenzotrifluoride	10.676	180	5031	0.92	ug/L	92
88) Isopropylbenzene	10.762	105	15560	1.02	ug/L	91
89) Cyclohexanone	10.829	55	13309m	17.47	ug/L	
90) trans-1,4-Dichloro-2-B...	11.079	53	613m	0.42	ug/L	
92) 1,1,2,2-Tetrachloroethane	11.024	83	5773	1.30	ug/L	80
93) Bromobenzene	11.012	156	4490	1.12	ug/L #	69
94) 1,2,3-Trichloropropane	11.042	110	1810	1.20	ug/L #	38
95) n-Propylbenzene	11.121	91	19261	1.15	ug/L	94
96) 2-Chlorotoluene	11.182	91	11749	1.12	ug/L	99
97) 3-Chlorotoluene	11.231	91	11803	1.05	ug/L	90
98) 4-Chlorotoluene	11.274	91	13623	1.14	ug/L	89
99) 1,3,5-Trimethylbenzene	11.268	105	13808	1.14	ug/L	86
100) tert-Butylbenzene	11.542	119	10704	1.02	ug/L	96
101) 1,2,4-Trimethylbenzene	11.585	105	12792	1.05	ug/L	95
102) 3,4-Dichlorobenzotrifl...	11.640	214	3540	0.92	ug/L #	40
103) sec-Butylbenzene	11.725	105	14741	1.02	ug/L	89

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5579.D
 Acq On : 8 Sep 2022 10:56 am
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:28:58 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	12513	1.00	ug/L	95
105) 1,3-Dclbenz	11.804	146	7518	1.03	ug/L	94
106) 1,4-Dclbenz	11.884	146	8871	1.21	ug/L	94
107) 2,4-Dichlorobenzotrifl...	11.932	214	3225	0.93	ug/L	89
108) 2,5-Dichlorobenzotrifl...	11.969	214	3733	0.96	ug/L	94
109) n-Butylbenzene	12.182	91	10984	1.05	ug/L	93
110) 1,2-Dclbenz	12.176	146	7632	1.03	ug/L	96
111) 1,2-Dibromo-3-chloropr...	12.804	157	922	1.09	ug/L #	69
112) Trielution Dichlorotol...	12.920	125	18111	2.99	ug/L	82
113) 1,3,5-Trichlorobenzene	12.981	180	5332	1.00	ug/L #	76
114) Coelution Dichlorotoluene	13.249	125	13602	2.11	ug/L	84
115) 1,2,4-Tcbenzene	13.462	180	4784	0.98	ug/L	93
116) Hexachlorobt	13.597	225	2142	1.13	ug/L	82
117) Naphthalen	13.645	128	10972	0.91	ug/L	95
118) 1,2,3-Tclbenzene	13.834	180	4042	0.80	ug/L	91
119) 2,4,5-Trichlorotoluene	14.426	159	1728	0.63	ug/L	80
120) 2,3,6-Trichlorotoluene	14.511	159	1790	0.71	ug/L	89

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

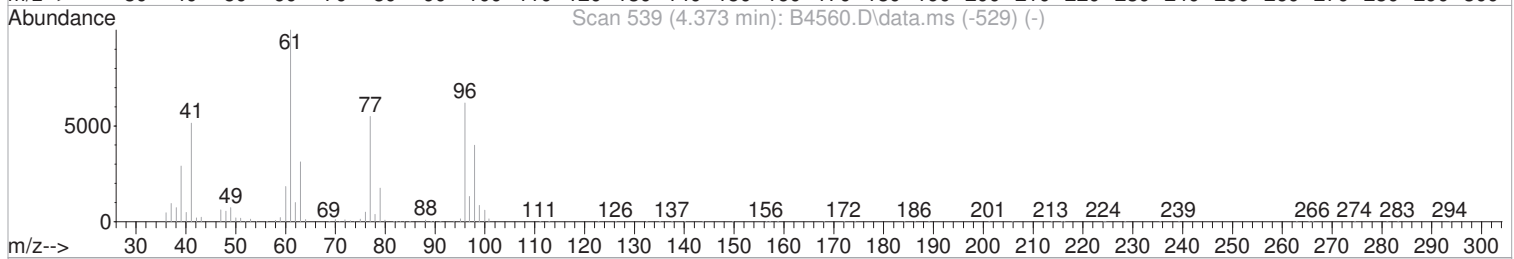
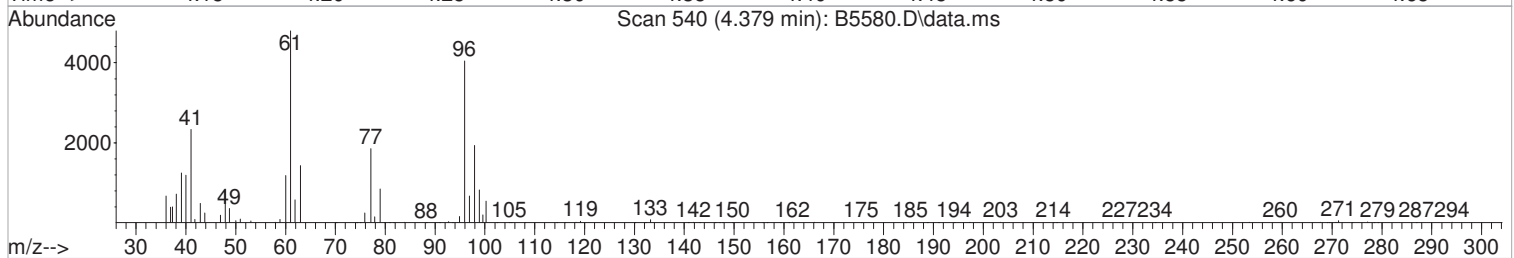
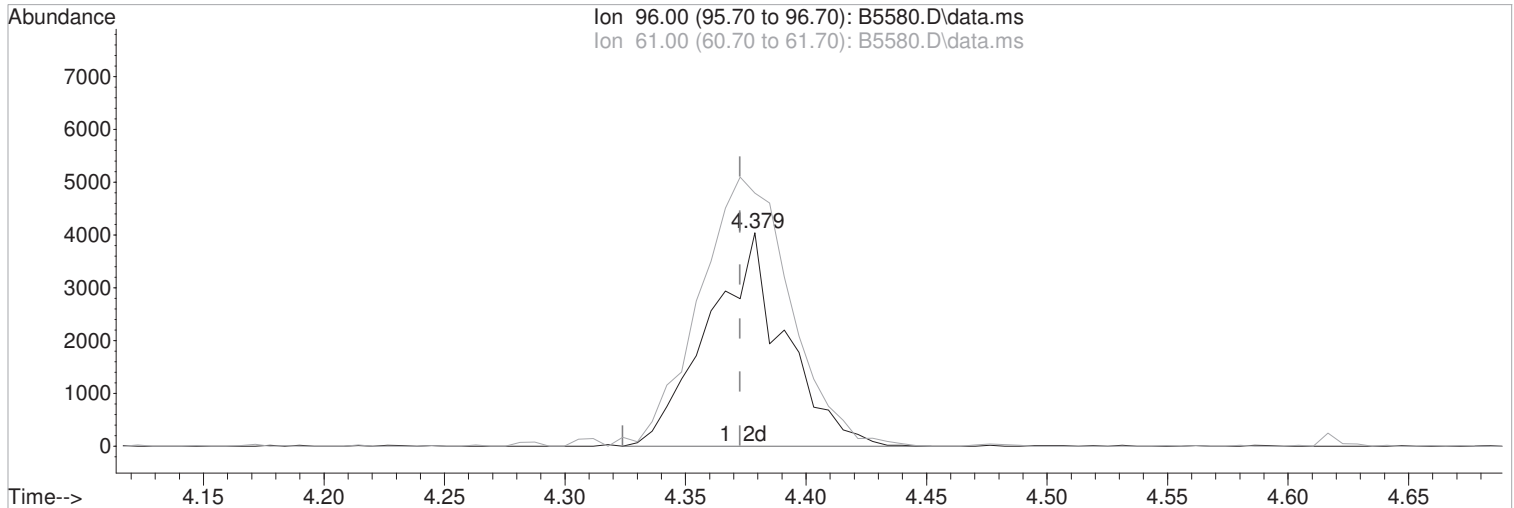
Quant Time: Sep 08 14:28:58 2022
Quant Method : I:\ACQDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5580.D
Acq On : 8 Sep 2022 11:18 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:29:21 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5580.D\data.ms

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

4.379min (+0.006) 2.52 ug/L m

response 8934

Ion	Exp%	Act%
96.00	100	100
61.00	162.10	118.58#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

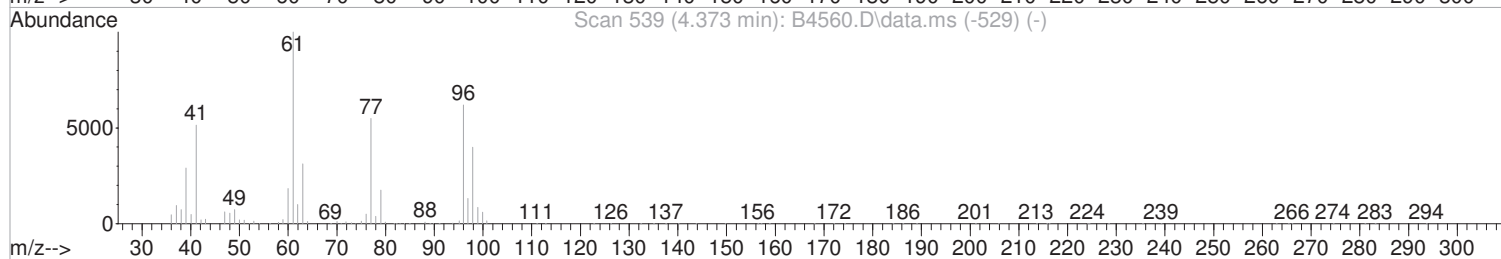
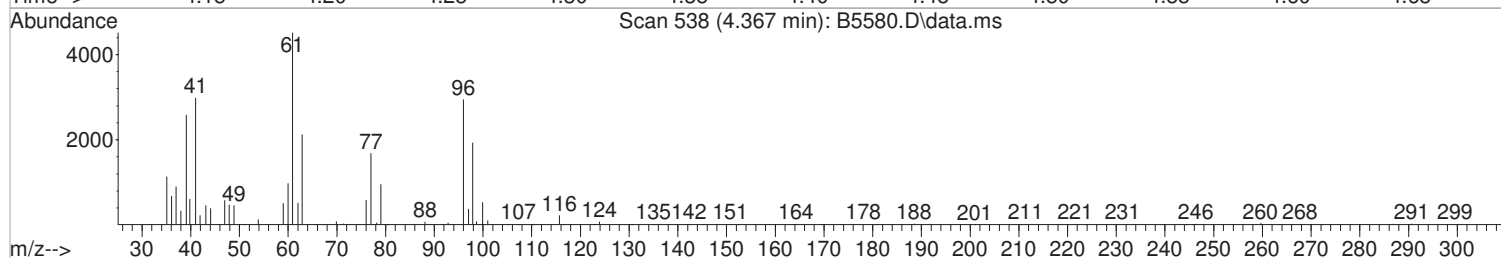
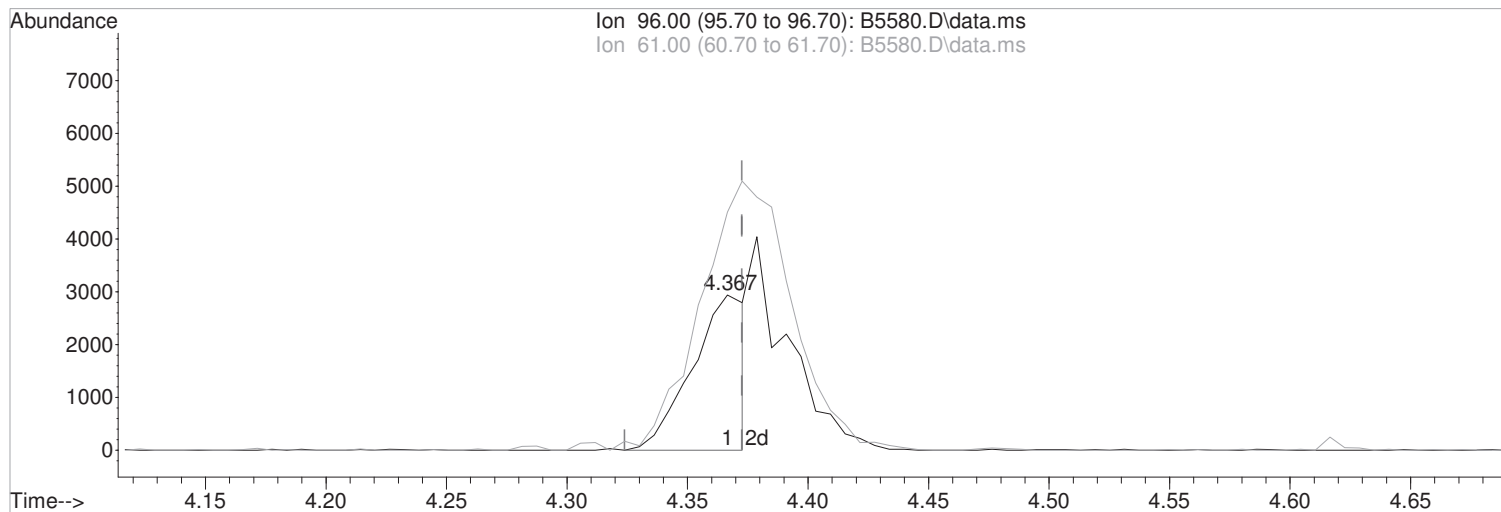
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5580.D
Acq On : 8 Sep 2022 11:18 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:29:21 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5580.D\data.ms

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

Manual Integration:

4.367min (-0.006) 1.28 ug/L

Before

response 4532

Ion	Exp%	Act%
96.00	100	100
61.00	162.10	153.26
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5580.D
 Acq On : 8 Sep 2022 11:18 am
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:29:53 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	377081	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	637059	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	557515	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	263478	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	46895	12.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	25.38%#
47) surr1,1,2-dichloroetha...	5.781	65	59836	12.27	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	24.54%#
65) SURR3,Toluene-d8	8.317	98	174889	12.21	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	24.42%#
70) SURR2,BFB	10.884	95	63335	11.20	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	22.40%#

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.160	51	8770	1.99	ug/L	100
3) Dichlorodifluoromethane	1.154	85	8202	1.99	ug/L	92
4) Chloromethane	1.288	50	10585	2.27	ug/L	81
5) Vinyl Chloride	1.355	62	10383	2.18	ug/L	98
6) Bromomethane	1.587	94	8636	3.79	ug/L	96
7) Chloroethane	1.660	64	7032	2.55	ug/L	89
8) Freon 21	1.812	67	16008	2.49	ug/L	91
9) Trichlorofluoromethane	1.855	101	12040	2.58	ug/L	98
10) Diethyl Ether	2.087	59	7805	2.33	ug/L	# 77
11) Freon 123a	2.093	67	9803	2.42	ug/L	91
12) Freon 123	2.141	83	11767	2.68	ug/L	92
13) Acrolein	2.190	56	9866	12.21	ug/L	# 69
14) 1,1-Dicethene	2.282	96	6920	2.43	ug/L	99
15) Freon 113	2.282	101	8088	2.75	ug/L	99
16) Acetone	2.330	43	6476	3.05	ug/L	87
17) 2-Propanol	2.452	45	13949	34.41	ug/L	89
18) Iodomethane	2.416	142	6820	1.40	ug/L	90
19) Carbon Disulfide	2.477	76	19165	2.20	ug/L	95
20) Acetonitrile	2.586	41	9485	12.64	ug/L	99
21) Allyl Chloride	2.617	76	4011	2.37	ug/L	# 81
22) Methyl Acetate	2.647	43	11209	2.10	ug/L	94
23) Methylene Chloride	2.739	84	9060	2.62	ug/L	# 73
24) TBA	2.855	59	19449	33.59	ug/L	# 58
25) Acrylonitrile	2.989	53	21596	10.83	ug/L	99
26) Methyl-t-Butyl Ether	3.032	73	22496	2.12	ug/L	98
27) trans-1,2-Dichloroethene	3.025	96	8272	2.69	ug/L	# 68
28) 1,1-Dicethane	3.525	63	14797	2.34	ug/L	87
29) Vinyl Acetate	3.623	86	958	1.97	ug/L	97
30) DIPE	3.653	45	29797	2.13	ug/L	85
31) 2-Chloro-1,3-Butadiene	3.647	53	12743	2.23	ug/L	90
32) ETBE	4.196	59	20421	1.78	ug/L	86
33) 2,2-Dichloropropane	4.373	77	6375	1.68	ug/L	88
34) cis-1,2-Dichloroethene	4.379	96	8934m	2.52	ug/L	
35) 2-Butanone	4.434	43	6717	2.12	ug/L	73
36) Propionitrile	4.507	54	8713	10.53	ug/L	81
37) Bromochloromethane	4.769	130	5432	2.28	ug/L	# 68
38) Methacrylonitrile	4.787	67	5123	2.61	ug/L	# 75
39) Tetrahydrofuran	4.885	42	4978	2.59	ug/L	81
40) Chloroform	4.952	83	14959	2.59	ug/L	85

Data Path : I:\ACQUDATA\msvoa10\data\090822\

Data File : B5580.D

Acq On : 8 Sep 2022 11:18 am

Operator : F.NAEGLER

Sample : 2 PPB STD

Misc :

Inst : MSVOA10

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 14:29:53 2022

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M

Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

QLast Update : Thu Jul 21 10:00:08 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.251	97	11492	2.58	ug/L #	76
43) Cyclohexane	5.342	41	10467	2.14	ug/L	86
45) Carbontetrachloride	5.537	117	8132	2.08	ug/L #	77
46) 1,1-Dichloropropene	5.549	75	10706	2.22	ug/L	80
48) Benzene	5.872	78	32739	2.25	ug/L	97
49) 1,2-Dichloroethane	5.909	62	12317	2.07	ug/L	94
50) Iso-Butyl Alcohol	5.897	43	9781	29.99	ug/L	98
51) TAME	6.104	73	16533	1.50	ug/L	98
52) n-Heptane	6.366	43	11612	2.14	ug/L	88
53) 1-Butanol	6.854	56	11158	66.80	ug/L	91
54) Trichloroethene	6.823	130	8317	2.17	ug/L	87
55) Methylcyclohexane	7.061	55	10242	1.90	ug/L	93
56) 1,2-Dicloropropane	7.110	63	8695	2.10	ug/L	96
57) Dibromomethane	7.244	93	6367	2.48	ug/L #	59
58) 1,4-Dioxane	7.317	88	3183	42.75	ug/L	91
59) Methyl Methacrylate	7.342	69	5604	1.81	ug/L	92
60) Bromodichloromethane	7.476	83	10794	2.39	ug/L	89
61) 2-Nitropropane	7.756	41	4235	3.80	ug/L #	77
62) 2-Chloroethylvinyl Ether	7.884	63	4881	1.91	ug/L	84
63) cis-1,3-Dichloropropene	8.024	75	8653	1.69	ug/L	80
64) 4-Methyl-2-pentanone	8.232	43	12913	1.99	ug/L	98
66) Toluene	8.390	91	34008	2.20	ug/L	90
67) trans-1,3-Dichloropropene	8.658	75	6436	1.45	ug/L	92
68) Ethyl Methacrylate	8.805	69	8136	1.48	ug/L	87
69) 1,1,2-Trichloroethane	8.854	97	7656	2.20	ug/L #	87
72) Tetrachloroethene	8.988	164	5292	1.84	ug/L #	86
73) 2-Hexanone	9.152	43	8883	1.92	ug/L	81
74) 1,3-Dichloropropane	9.018	76	13746	2.19	ug/L	93
75) Dibromochloromethane	9.250	129	6978	2.16	ug/L	93
76) N-Butyl Acetate	9.299	43	15765	1.72	ug/L	94
77) 1,2-Dibromoethane	9.341	107	6867	1.91	ug/L #	75
78) 3-Chlorobenzotrifluoride	9.853	180	10149	1.80	ug/L	89
79) Chlorobenzene	9.835	112	20506	2.02	ug/L	96
80) 4-Chlorobenzotrifluoride	9.908	180	8899	1.79	ug/L	91
81) 1,1,1,2-Tetrachloroethane	9.920	131	6753	2.21	ug/L	91
82) Ethylbenzene	9.963	106	11521	2.19	ug/L #	50
83) (m+p)Xylene	10.073	106	27762	4.38	ug/L	96
84) o-Xylene	10.426	106	13442	2.12	ug/L #	85
85) Styrene	10.439	104	21269	2.00	ug/L	93
86) Bromoform	10.591	173	3119	1.51	ug/L	93
87) 2-Chlorobenzotrifluoride	10.676	180	10565	1.91	ug/L	97
88) Isopropylbenzene	10.762	105	31040	2.02	ug/L	100
89) Cyclohexanone	10.823	55	28285	36.86	ug/L	91
90) trans-1,4-Dichloro-2-B...	11.073	53	2109	1.43	ug/L #	73
92) 1,1,2,2-Tetrachloroethane	11.018	83	11004	2.43	ug/L	96
93) Bromobenzene	11.012	156	9129	2.24	ug/L #	84
94) 1,2,3-Trichloropropane	11.048	110	3166	2.06	ug/L	97
95) n-Propylbenzene	11.115	91	37816	2.22	ug/L	99
96) 2-Chlorotoluene	11.182	91	24953	2.34	ug/L	96
97) 3-Chlorotoluene	11.237	91	24541	2.15	ug/L	89
98) 4-Chlorotoluene	11.274	91	27735	2.28	ug/L	98
99) 1,3,5-Trimethylbenzene	11.274	105	28538	2.30	ug/L	98
100) tert-Butylbenzene	11.542	119	24167	2.26	ug/L	90
101) 1,2,4-Trimethylbenzene	11.585	105	25738	2.08	ug/L	91
102) 3,4-Dichlorobenzotrifl...	11.640	214	8413	2.15	ug/L	90
103) sec-Butylbenzene	11.725	105	33817	2.30	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5580.D
 Acq On : 8 Sep 2022 11:18 am
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:29:53 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	27967	2.20	ug/L	97
105) 1,3-Dclbenz	11.810	146	15156	2.04	ug/L	92
106) 1,4-Dclbenz	11.877	146	16483	2.20	ug/L	95
107) 2,4-Dichlorobenzotrifl...	11.932	214	6349	1.79	ug/L	97
108) 2,5-Dichlorobenzotrifl...	11.975	214	7400	1.86	ug/L	96
109) n-Butylbenzene	12.176	91	22783	2.13	ug/L	96
110) 1,2-Dclbenz	12.182	146	16620	2.20	ug/L	89
111) 1,2-Dibromo-3-chloropr...	12.804	157	1669	1.93	ug/L	89
112) Trielution Dichlorotol...	12.926	125	38129	6.16	ug/L	97
113) 1,3,5-Trichlorobenzene	12.975	180	10111	1.87	ug/L	95
114) Coelution Dichlorotoluene	13.249	125	26703	4.06	ug/L	93
115) 1,2,4-Tcbenzene	13.462	180	10299	2.07	ug/L #	82
116) Hexachlorobt	13.597	225	3987	2.06	ug/L #	77
117) Naphthalen	13.645	128	25776	2.10	ug/L	97
118) 1,2,3-Tclbenzene	13.840	180	8866	1.73	ug/L	92
119) 2,4,5-Trichlorotoluene	14.420	159	4027	1.44	ug/L	93
120) 2,3,6-Trichlorotoluene	14.505	159	3800	1.48	ug/L	87

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

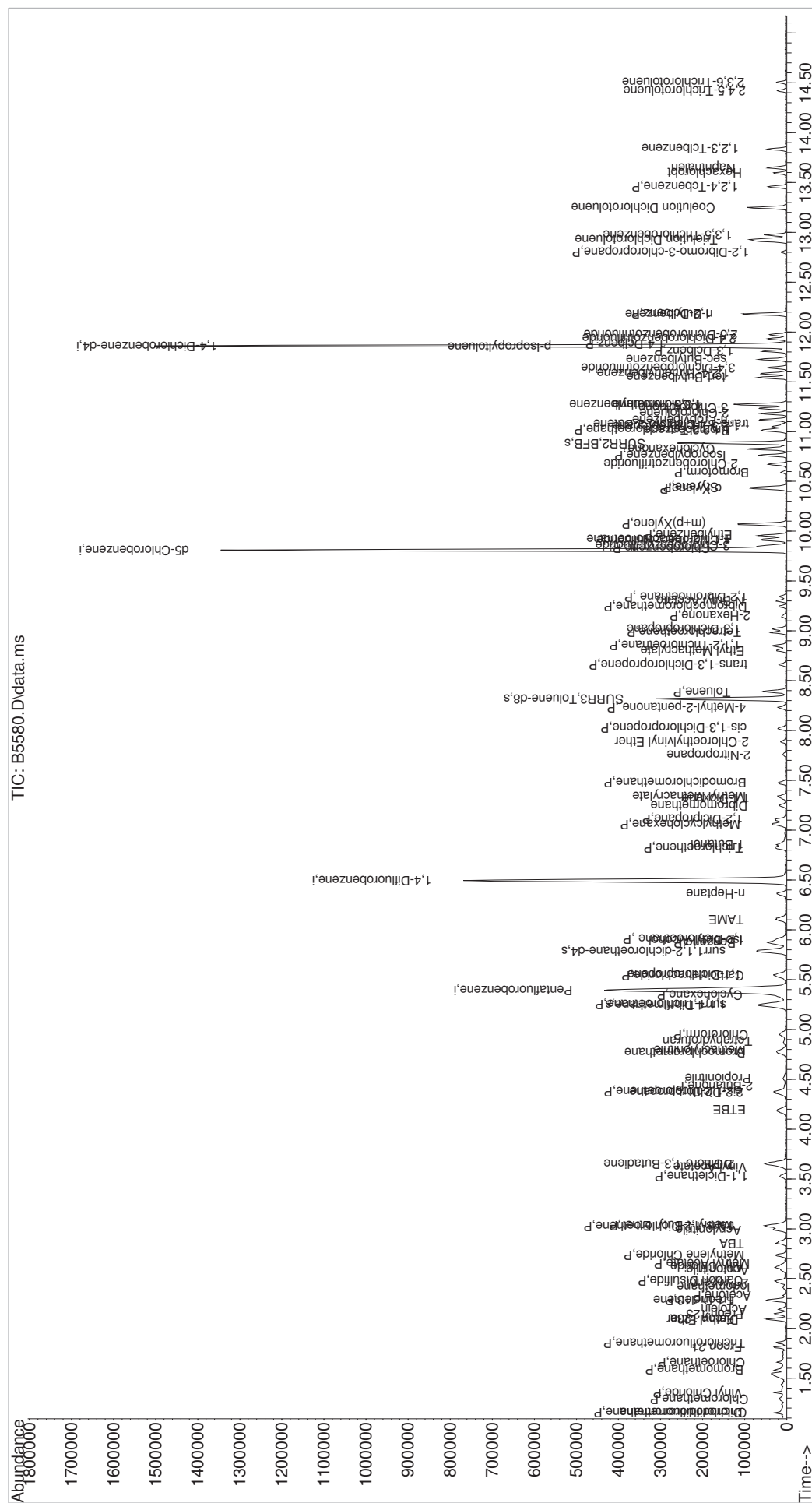
Quantitation Report (QT Reviewed)

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Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5580.D
Acq On : 8 Sep 2022 11:18 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1
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Inst : MSVOA10

ALS Vial : 4 Sample Multiplier: 1

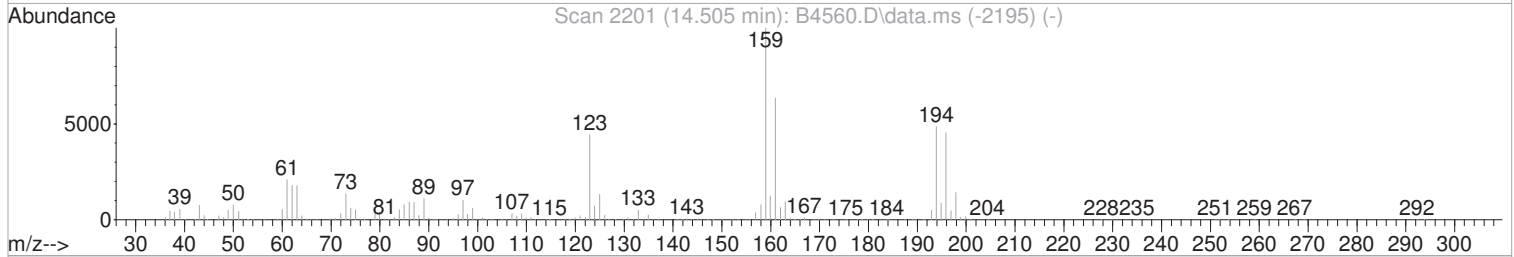
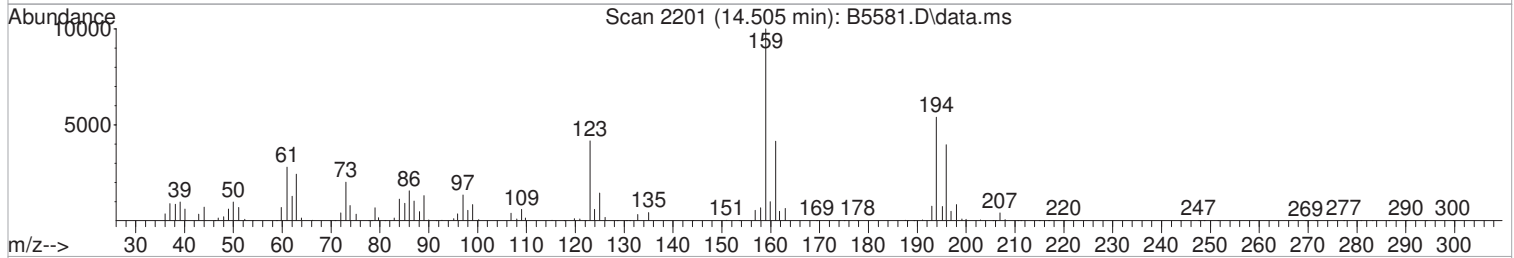
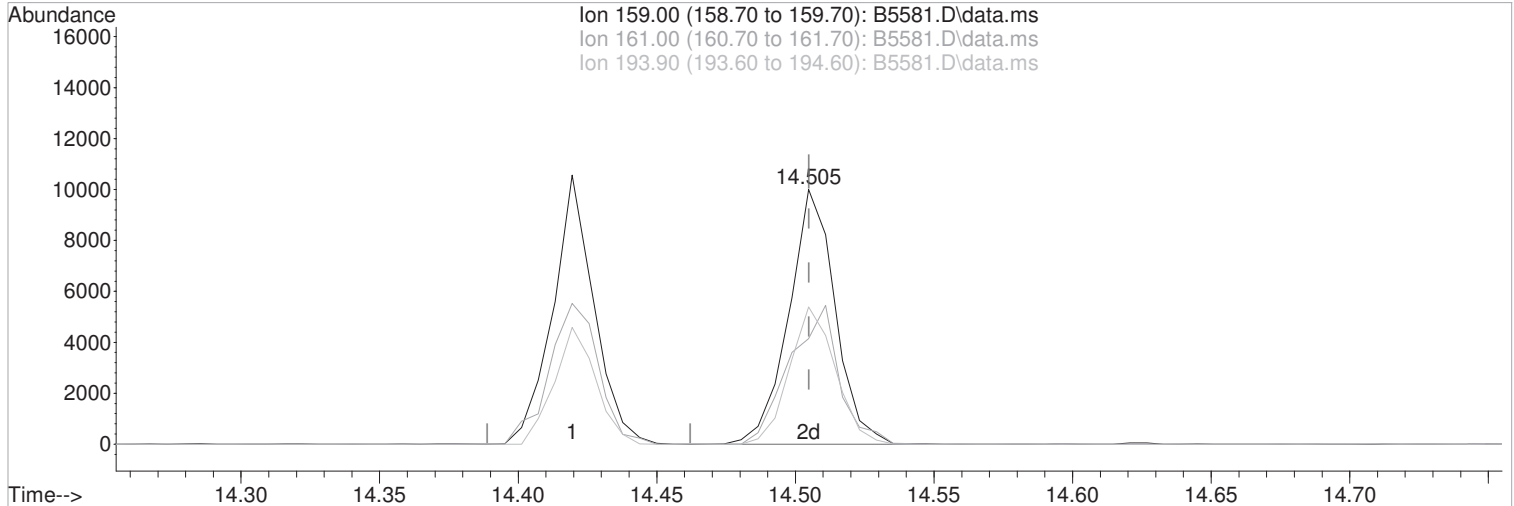
Quant Time: Sep 08 14:29:53 2022
Quant Method : I:\ACQDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5581.D
Acq On : 8 Sep 2022 11:40 am
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:30:33 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5581.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.505min (-0.000) 4.42 ug/L m

response 11658

Ion	Exp%	Act%
159.00	100	100
161.00	63.40	41.41#
193.90	48.70	53.90
0.00	0.00	0.00

Manual Integration:

After

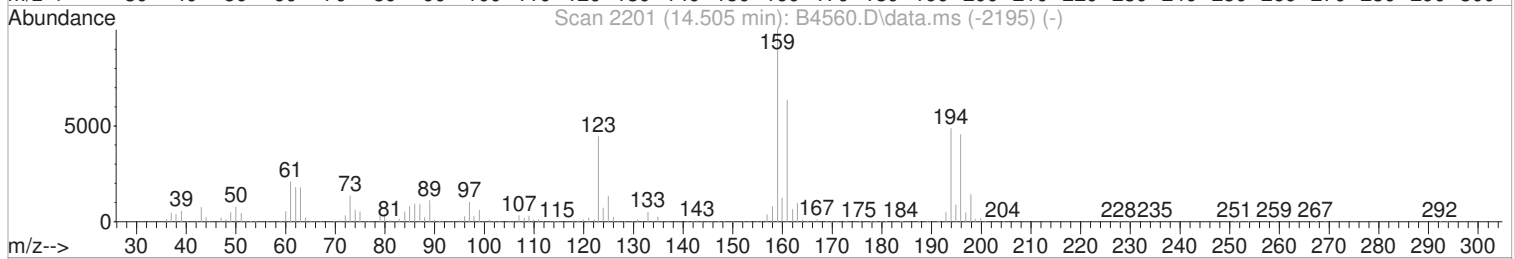
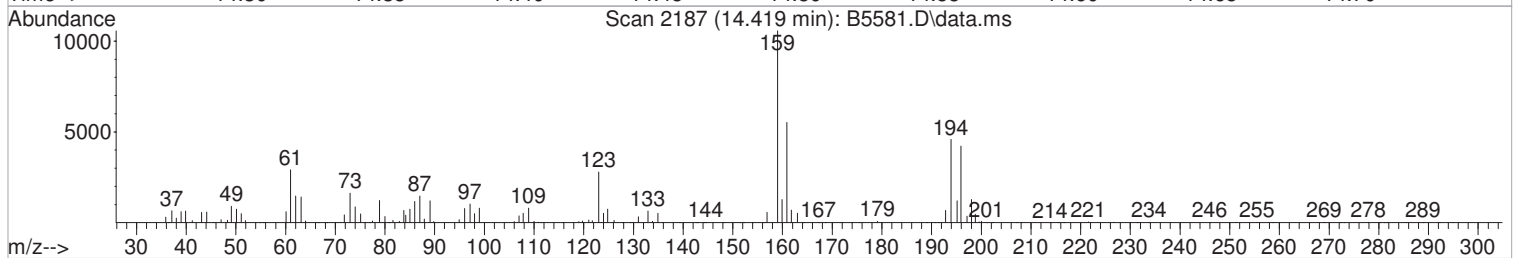
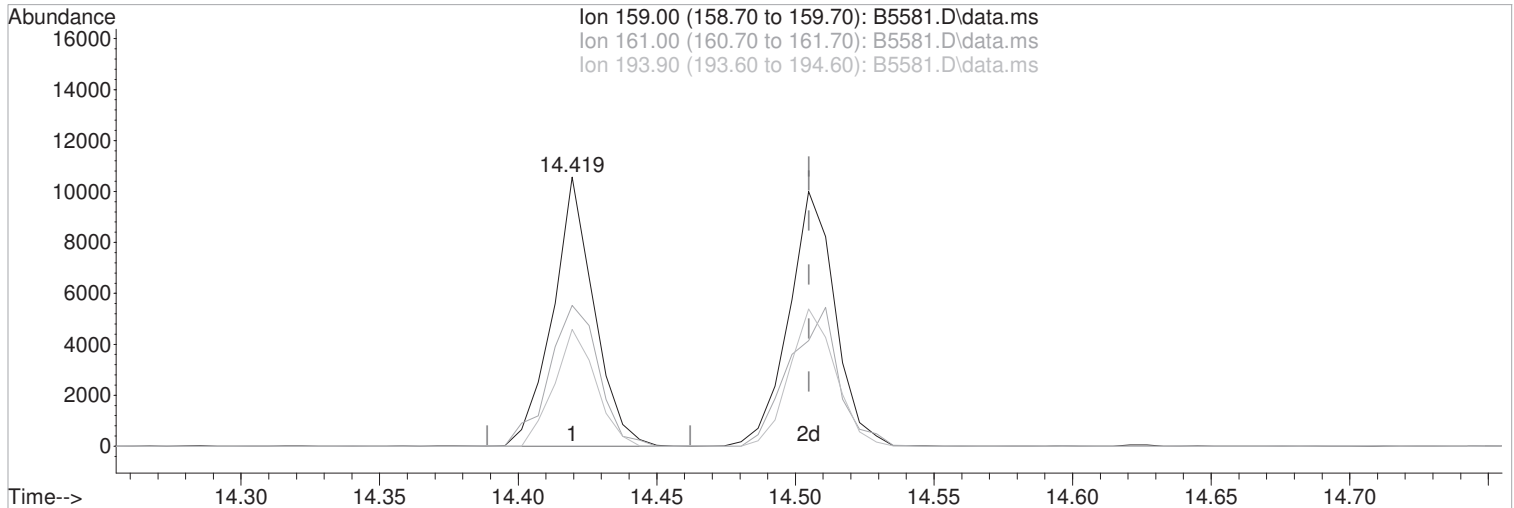
Wrong peak selected.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5581.D
Acq On : 8 Sep 2022 11:40 am
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:30:33 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5581.D\data.ms

(120) 2,3,6-Trichlorotoluene
14.419min (-0.085) 4.15 ug/L
response 10941

Manual Integration:

Before

Ion	Exp%	Act%
159.00	100	100
161.00	63.40	52.37
193.90	48.70	43.45
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5581.D
 Acq On : 8 Sep 2022 11:40 am
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:31:29 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	368760	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	621572	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	550828	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	270084	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.238	113	44845	12.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	24.86%#
47) surr1,1,2-dichloroetha...	5.793	65	58719	12.35	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	24.70%#
65) SURR3,Toluene-d8	8.317	98	175527	12.56	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	25.12%#
70) SURR2,BFB	10.884	95	63523	11.51	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	23.02%#

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.166	51	21252	4.94	ug/L	92
3) Dichlorodifluoromethane	1.154	85	21773	5.40	ug/L	96
4) Chloromethane	1.288	50	25609	5.61	ug/L	100
5) Vinyl Chloride	1.355	62	23340	5.01	ug/L	97
6) Bromomethane	1.580	94	18615	8.35	ug/L	94
7) Chloroethane	1.660	64	15930	5.91	ug/L	97
8) Freon 21	1.812	67	40436	6.44	ug/L	95
9) Trichlorofluoromethane	1.861	101	32083	7.02	ug/L	97
10) Diethyl Ether	2.086	59	17519	5.34	ug/L	89
11) Freon 123a	2.093	67	23851	6.02	ug/L	99
12) Freon 123	2.141	83	25579	5.97	ug/L	88
13) Acrolein	2.190	56	24081	30.48	ug/L	94
14) 1,1-Dicethene	2.282	96	17792	6.38	ug/L #	87
15) Freon 113	2.288	101	18000	6.25	ug/L	96
16) Acetone	2.330	43	12693	6.10	ug/L	92
17) 2-Propanol	2.458	45	35468	89.46	ug/L	98
18) Iodomethane	2.422	142	19089	4.01	ug/L	78
19) Carbon Disulfide	2.477	76	45298	5.32	ug/L	99
20) Acetonitrile	2.586	41	20736	28.26	ug/L	91
21) Allyl Chloride	2.623	76	8190	4.94	ug/L #	67
22) Methyl Acetate	2.641	43	24854	4.76	ug/L	94
23) Methylene Chloride	2.733	84	21091	6.23	ug/L	98
24) TBA	2.855	59	42796	75.58	ug/L	75
25) Acrylonitrile	2.989	53	55244	28.32	ug/L	96
26) Methyl-t-Butyl Ether	3.038	73	54963	5.30	ug/L	98
27) trans-1,2-Dichloroethene	3.031	96	18219	6.05	ug/L	92
28) 1,1-Dicethane	3.531	63	33911	5.49	ug/L	95
29) Vinyl Acetate	3.629	86	3293	6.91	ug/L #	66
30) DIPE	3.659	45	74621	5.46	ug/L	92
31) 2-Chloro-1,3-Butadiene	3.647	53	31630	5.65	ug/L	85
32) ETBE	4.190	59	50386	4.48	ug/L	93
33) 2,2-Dichloropropane	4.354	77	16437	4.43	ug/L	86
34) cis-1,2-Dichloroethene	4.373	96	20241	5.85	ug/L	87
35) 2-Butanone	4.428	43	21889	7.05	ug/L	93
36) Propionitrile	4.501	54	21531	26.60	ug/L	93
37) Bromochloromethane	4.775	130	13219	5.67	ug/L #	72
38) Methacrylonitrile	4.769	67	10312	5.37	ug/L #	69
39) Tetrahydrofuran	4.866	42	11587	6.15	ug/L	91
40) Chloroform	4.952	83	34658	6.13	ug/L	94

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5581.D
 Acq On : 8 Sep 2022 11:40 am
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:31:29 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.257	97	24647	5.65	ug/L	87
43) Cyclohexane	5.342	41	23493	4.93	ug/L	96
45) Carbontetrachloride	5.537	117	19553	5.13	ug/L	89
46) 1,1-Dichloropropene	5.549	75	24780	5.26	ug/L	85
48) Benzene	5.866	78	74509	5.24	ug/L	99
49) 1,2-Dichloroethane	5.909	62	31142	5.35	ug/L	94
50) Iso-Butyl Alcohol	5.878	43	23237	73.03	ug/L	97
51) TAME	6.104	73	41405	3.86	ug/L	93
52) n-Heptane	6.360	43	26866	5.08	ug/L	95
53) 1-Butanol	6.848	56	27762	170.34	ug/L	89
54) Trichloroethene	6.823	130	19086	5.11	ug/L	87
55) Methylcyclohexane	7.061	55	25627	4.87	ug/L	94
56) 1,2-Dicloropropane	7.110	63	19969	4.94	ug/L	74
57) Dibromomethane	7.244	93	12627	5.05	ug/L	89
58) 1,4-Dioxane	7.311	88	8706	119.84	ug/L	81
59) Methyl Methacrylate	7.335	69	14292	4.72	ug/L	95
60) Bromodichloromethane	7.476	83	25024	5.68	ug/L	99
61) 2-Nitropropane	7.762	41	9684	8.90	ug/L	98
62) 2-Chloroethylvinyl Ether	7.884	63	11685	4.68	ug/L	99
63) cis-1,3-Dichloropropene	8.024	75	21857	4.37	ug/L	95
64) 4-Methyl-2-pentanone	8.232	43	27377	4.32	ug/L	88
66) Toluene	8.390	91	85150	5.63	ug/L	87
67) trans-1,3-Dichloropropene	8.658	75	15452	3.58	ug/L	91
68) Ethyl Methacrylate	8.805	69	23389	4.36	ug/L	89
69) 1,1,2-Trichloroethane	8.847	97	19161	5.65	ug/L	95
72) Tetrachloroethene	8.981	164	14418	5.08	ug/L #	81
73) 2-Hexanone	9.146	43	21060	4.60	ug/L	91
74) 1,3-Dichloropropane	9.018	76	32771	5.29	ug/L	92
75) Dibromochloromethane	9.244	129	16458	5.16	ug/L	97
76) N-Butyl Acetate	9.299	43	38182	4.22	ug/L	98
77) 1,2-Dibromoethane	9.341	107	17331	4.88	ug/L	90
78) 3-Chlorobenzotrifluoride	9.853	180	24448	4.39	ug/L	98
79) Chlorobenzene	9.835	112	52418	5.22	ug/L	96
80) 4-Chlorobenzotrifluoride	9.914	180	22050	4.49	ug/L	80
81) 1,1,1,2-Tetrachloroethane	9.926	131	13368	4.42	ug/L	87
82) Ethylbenzene	9.957	106	26442	5.09	ug/L #	84
83) (m+p)Xylene	10.073	106	68300	10.92	ug/L	89
84) o-Xylene	10.426	106	33849	5.40	ug/L	97
85) Styrene	10.439	104	57239	5.45	ug/L	95
86) Bromoform	10.591	173	9012	4.40	ug/L	89
87) 2-Chlorobenzotrifluoride	10.670	180	23578	4.32	ug/L #	74
88) Isopropylbenzene	10.762	105	81930	5.40	ug/L	95
89) Cyclohexanone	10.823	55	68610	90.49	ug/L	94
90) trans-1,4-Dichloro-2-B...	11.073	53	5235	3.59	ug/L	81
92) 1,1,2,2-Tetrachloroethane	11.018	83	27675	5.96	ug/L	94
93) Bromobenzene	11.012	156	22245	5.33	ug/L #	81
94) 1,2,3-Trichloropropane	11.054	110	8122	5.16	ug/L #	84
95) n-Propylbenzene	11.115	91	102762	5.88	ug/L	97
96) 2-Chlorotoluene	11.182	91	61111	5.59	ug/L	92
97) 3-Chlorotoluene	11.231	91	63767	5.45	ug/L	98
98) 4-Chlorotoluene	11.274	91	68974	5.54	ug/L	99
99) 1,3,5-Trimethylbenzene	11.268	105	71440	5.62	ug/L	97
100) tert-Butylbenzene	11.542	119	60280	5.51	ug/L	95
101) 1,2,4-Trimethylbenzene	11.579	105	70027	5.52	ug/L	95
102) 3,4-Dichlorobenzotrifl...	11.646	214	17930	4.48	ug/L	98
103) sec-Butylbenzene	11.725	105	86609	5.74	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5581.D
 Acq On : 8 Sep 2022 11:40 am
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

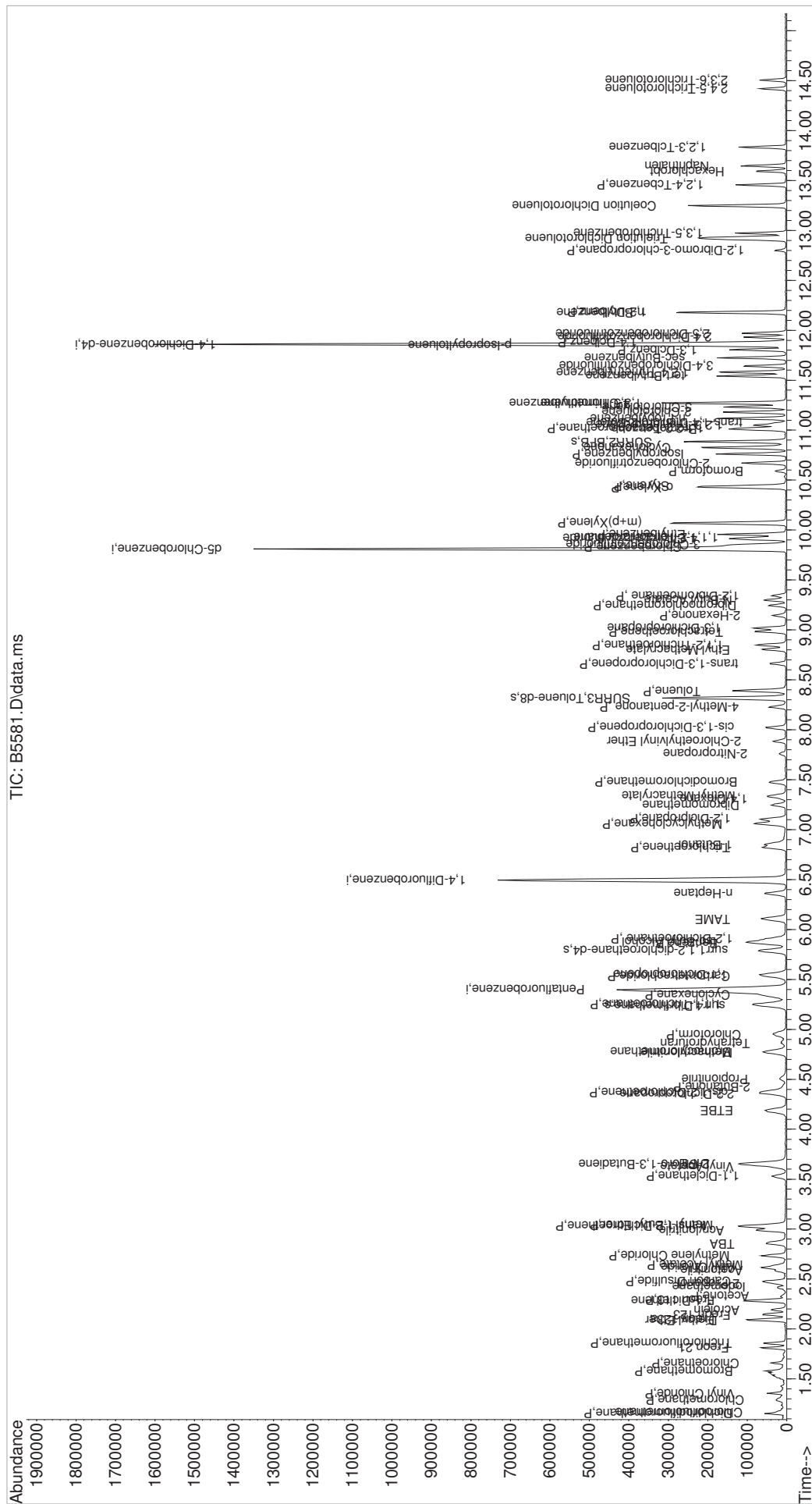
Quant Time: Sep 08 14:31:29 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	69592	5.34	ug/L	96
105) 1,3-Dclbenz	11.804	146	40345	5.29	ug/L	97
106) 1,4-Dclbenz	11.877	146	42026	5.47	ug/L	96
107) 2,4-Dichlorobenzotrifl...	11.932	214	16264	4.47	ug/L	96
108) 2,5-Dichlorobenzotrifl...	11.969	214	19194	4.70	ug/L	87
109) n-Butylbenzene	12.176	91	61544	5.60	ug/L	98
110) 1,2-Dclbenz	12.182	146	40923	5.28	ug/L	95
111) 1,2-Dibromo-3-chloropr...	12.804	157	3975	4.49	ug/L #	76
112) Trielution Dichlorotol...	12.920	125	100997	15.92	ug/L	91
113) 1,3,5-Trichlorobenzene	12.975	180	26326	4.74	ug/L	93
114) Coelution Dichlorotoluene	13.249	125	70859	10.52	ug/L	95
115) 1,2,4-Tcbenzene	13.456	180	24520	4.81	ug/L	94
116) Hexachlorobt	13.590	225	9067	4.57	ug/L	96
117) Naphthalen	13.645	128	66907	5.31	ug/L	96
118) 1,2,3-Tclbenzene	13.834	180	24061	4.57	ug/L	95
119) 2,4,5-Trichlorotoluene	14.419	159	10941	3.82	ug/L	93
120) 2,3,6-Trichlorotoluene	14.505	159	11658m	4.42	ug/L	

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

ALS Vial : 5 Sample Multiplier: 1

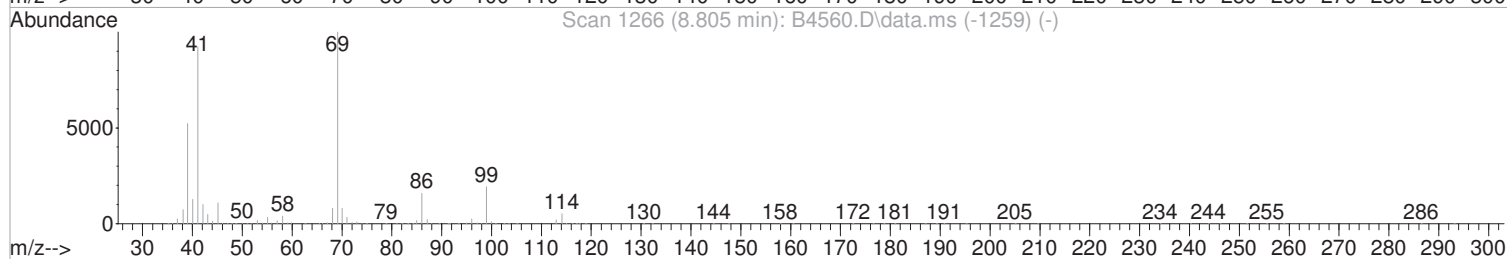
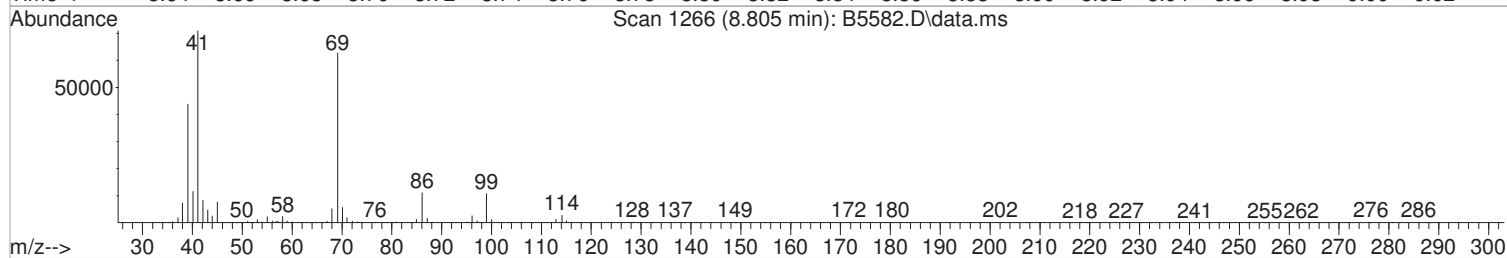
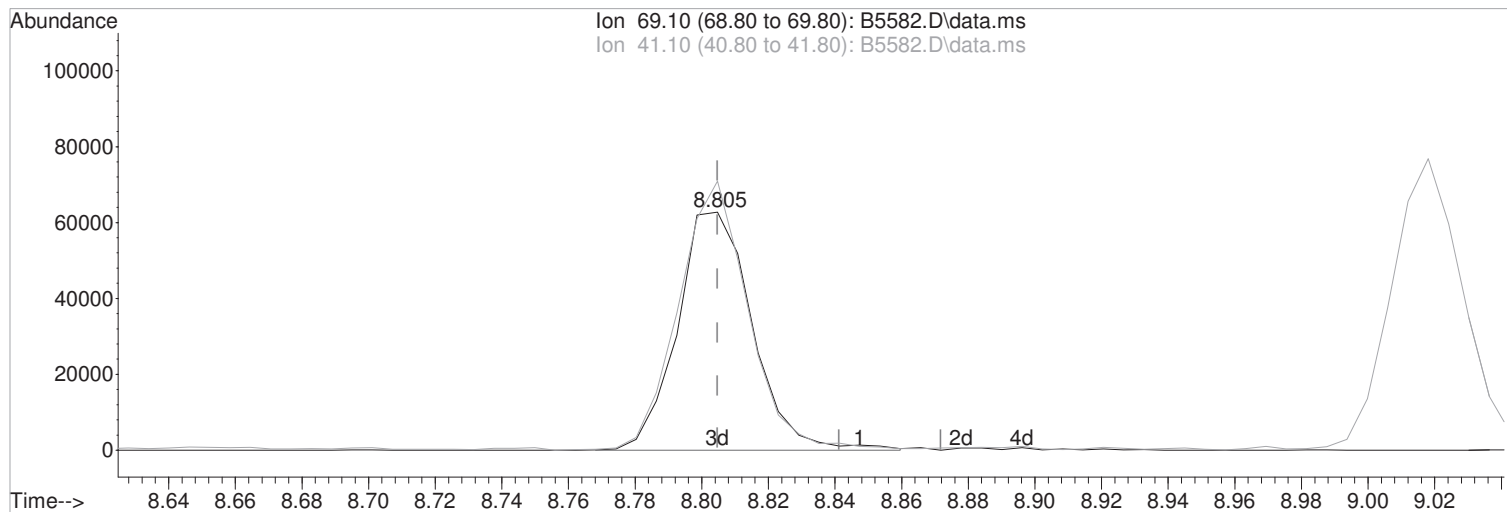
Quant Time: Sep 08 14:31:29 2022
Quant Method : I:\ACQDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5582.D
Acq On : 8 Sep 2022 12:02 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:31:40 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5582.D\data.ms

(68) Ethyl Methacrylate

8.805min (-0.000) 17.05 ug/L m

response 98413

Ion	Exp%	Act%
69.10	100	100
41.10	92.50	113.02#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

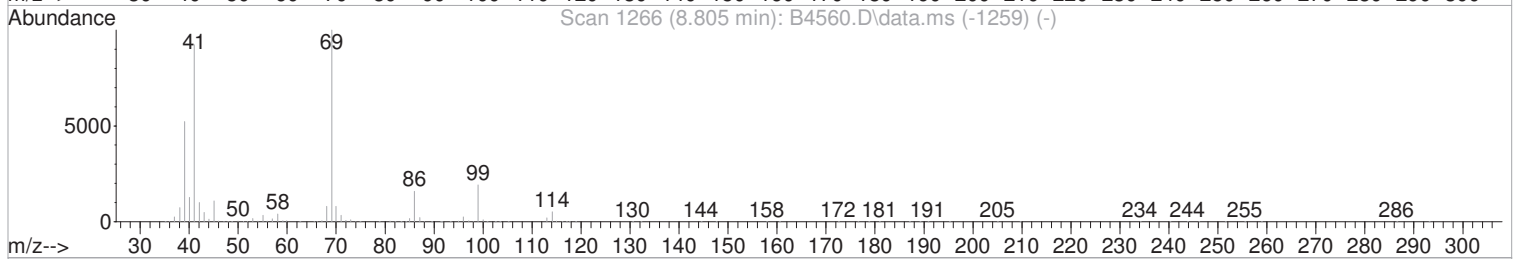
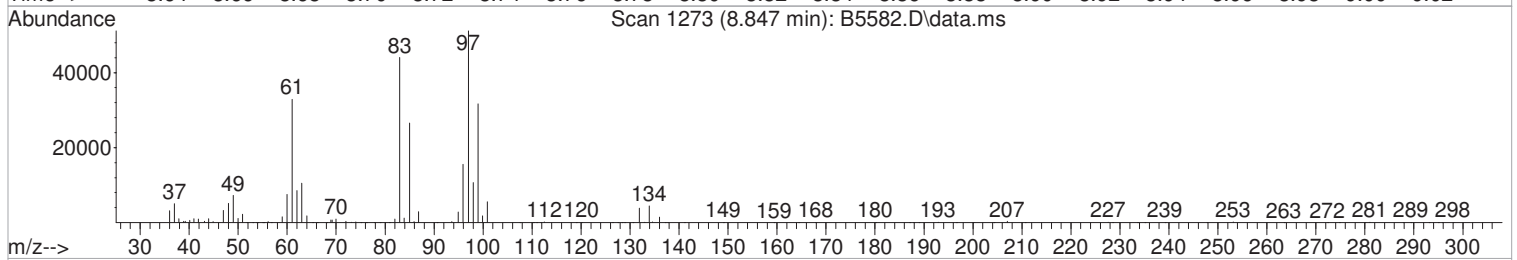
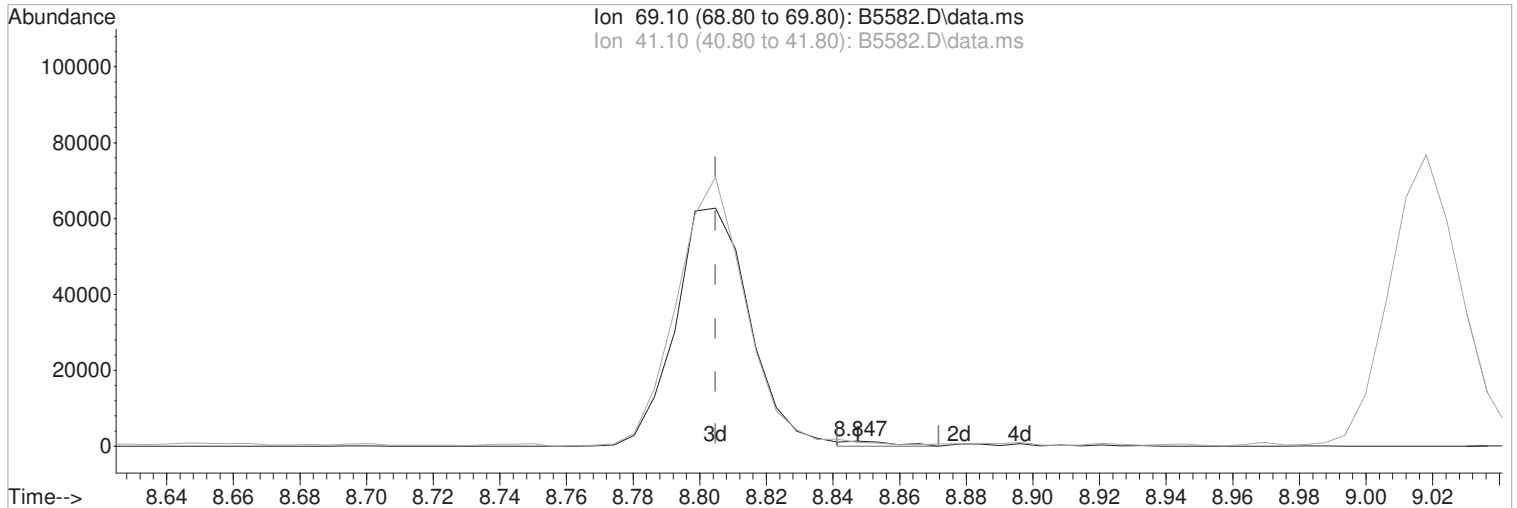
Peak not found.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5582.D
Acq On : 8 Sep 2022 12:02 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:31:40 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5582.D\data.ms

(68) Ethyl Methacrylate

Manual Integration:

8.847min (+0.043) 0.23 ug/L

Before

response 1300

Ion	Exp%	Act%
69.10	100	100
41.10	92.50	76.35
0.00	0.00	0.00
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5582.D
 Acq On : 8 Sep 2022 12:02 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:32:25 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	393693	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	668211	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	600173	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	292788	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	82264	21.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	42.44%#
47) surr1,1,2-dichloroetha...	5.787	65	105276	20.59	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	41.18%#
65) SURR3,Toluene-d8	8.317	98	316095	21.05	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	42.10%#
70) SURR2,BFB	10.884	95	114053	19.23	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	38.46%#

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.166	51	90112	19.62	ug/L	99
3) Dichlorodifluoromethane	1.154	85	98718	22.93	ug/L	98
4) Chloromethane	1.288	50	95686	19.63	ug/L	100
5) Vinyl Chloride	1.355	62	96571	19.40	ug/L	93
6) Bromomethane	1.587	94	61884	25.99	ug/L	99
7) Chloroethane	1.660	64	58023	20.16	ug/L	96
8) Freon 21	1.812	67	151043	22.54	ug/L	98
9) Trichlorofluoromethane	1.861	101	123209	25.24	ug/L	95
10) Diethyl Ether	2.087	59	75690	21.61	ug/L	89
11) Freon 123a	2.093	67	90595	21.44	ug/L	96
12) Freon 123	2.147	83	103943	22.72	ug/L	98
13) Acrolein	2.190	56	101600	120.46	ug/L	84
14) 1,1-Dicethene	2.282	96	64344	21.62	ug/L	96
15) Freon 113	2.282	101	67032	21.81	ug/L	96
16) Acetone	2.324	43	45701	20.58	ug/L	90
17) 2-Propanol	2.458	45	144826	342.17	ug/L	91
18) Iodomethane	2.416	142	100147	19.71	ug/L	94
19) Carbon Disulfide	2.477	76	190704	20.99	ug/L	100
20) Acetonitrile	2.580	41	92294	117.82	ug/L	94
21) Allyl Chloride	2.611	76	34245	19.34	ug/L	95
22) Methyl Acetate	2.635	43	105410	18.92	ug/L	98
23) Methylene Chloride	2.733	84	83173	23.01	ug/L	90
24) TBA	2.861	59	189570	313.57	ug/L	78
25) Acrylonitrile	2.989	53	226132	108.57	ug/L	95
26) Methyl-t-Butyl Ether	3.031	73	231097	20.88	ug/L	98
27) trans-1,2-Dichloroethene	3.025	96	73335	22.81	ug/L	98
28) 1,1-Dicethane	3.531	63	139855	21.19	ug/L	93
29) Vinyl Acetate	3.623	86	13366	26.27	ug/L #	74
30) DIPE	3.653	45	305116	20.89	ug/L	88
31) 2-Chloro-1,3-Butadiene	3.647	53	131709	22.06	ug/L	97
32) ETBE	4.184	59	206734	17.22	ug/L	95
33) 2,2-Dichloropropane	4.367	77	67393	17.01	ug/L	97
34) cis-1,2-Dichloroethene	4.367	96	83201	22.52	ug/L #	84
35) 2-Butanone	4.415	43	74799	22.57	ug/L	94
36) Propionitrile	4.507	54	91599	106.01	ug/L	91
37) Bromochloromethane	4.775	130	55729	22.39	ug/L #	82
38) Methacrylonitrile	4.769	67	43284	21.13	ug/L #	83
39) Tetrahydrofuran	4.873	42	48115	23.93	ug/L	99
40) Chloroform	4.946	83	141856	23.50	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5582.D
 Acq On : 8 Sep 2022 12:02 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:32:25 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.251	97	105110	22.58	ug/L	93
43) Cyclohexane	5.342	41	99398	19.39	ug/L	98
45) Carbontetrachloride	5.531	117	78015	19.05	ug/L	98
46) 1,1-Dichloropropene	5.543	75	95854	18.92	ug/L	97
48) Benzene	5.866	78	303979	19.90	ug/L	98
49) 1,2-Dichloroethane	5.903	62	126107	20.16	ug/L	97
50) Iso-Butyl Alcohol	5.878	43	112967	330.27	ug/L	99
51) TAME	6.104	73	182099	15.79	ug/L	94
52) n-Heptane	6.360	43	100897	17.73	ug/L	95
53) 1-Butanol	6.848	56	132303	755.12	ug/L	99
54) Trichloroethene	6.823	130	80338	20.02	ug/L	98
55) Methylcyclohexane	7.061	55	98793	17.47	ug/L	97
56) 1,2-Dicloropropane	7.104	63	82521	18.99	ug/L	93
57) Dibromomethane	7.244	93	58555	21.77	ug/L	88
58) 1,4-Dioxane	7.305	88	31227	399.84	ug/L #	76
59) Methyl Methacrylate	7.335	69	62063	19.07	ug/L	96
60) Bromodichloromethane	7.470	83	105897	22.38	ug/L	98
61) 2-Nitropropane	7.756	41	47787	40.87	ug/L	90
62) 2-Chloroethylvinyl Ether	7.884	63	49830	18.56	ug/L	99
63) cis-1,3-Dichloropropene	8.018	75	100990	18.78	ug/L	99
64) 4-Methyl-2-pentanone	8.226	43	130777	19.19	ug/L	96
66) Toluene	8.390	91	333400	20.52	ug/L	96
67) trans-1,3-Dichloropropene	8.658	75	77092	16.61	ug/L	94
68) Ethyl Methacrylate	8.805	69	98413m	17.05	ug/L	
69) 1,1,2-Trichloroethane	8.847	97	76140	20.87	ug/L	100
72) Tetrachloroethene	8.988	164	53393	17.26	ug/L	94
73) 2-Hexanone	9.140	43	97286	19.51	ug/L	90
74) 1,3-Dichloropropane	9.018	76	131692	19.53	ug/L	94
75) Dibromochloromethane	9.244	129	75840	21.83	ug/L	99
76) N-Butyl Acetate	9.299	43	174560	17.72	ug/L	95
77) 1,2-Dibromoethane	9.341	107	77828	20.10	ug/L	97
78) 3-Chlorobenzotrifluoride	9.853	180	99547	16.42	ug/L	97
79) Chlorobenzene	9.835	112	216002	19.74	ug/L	99
80) 4-Chlorobenzotrifluoride	9.908	180	85551	15.99	ug/L	92
81) 1,1,1,2-Tetrachloroethane	9.920	131	66994	20.34	ug/L	93
82) Ethylbenzene	9.957	106	107119	18.91	ug/L	92
83) (m+p)Xylene	10.073	106	278403	40.84	ug/L #	88
84) o-Xylene	10.426	106	137025	20.06	ug/L	97
85) Styrene	10.439	104	230845	20.15	ug/L	97
86) Bromoform	10.591	173	42235	18.94	ug/L	97
87) 2-Chlorobenzotrifluoride	10.670	180	99675	16.76	ug/L	99
88) Isopropylbenzene	10.762	105	326133	19.73	ug/L	98
89) Cyclohexanone	10.823	55	253670	307.06	ug/L	89
90) trans-1,4-Dichloro-2-B...	11.066	53	19894	12.52	ug/L	77
92) 1,1,2,2-Tetrachloroethane	11.018	83	113518	22.55	ug/L	95
93) Bromobenzene	11.012	156	87736	19.38	ug/L	92
94) 1,2,3-Trichloropropane	11.048	110	35934	21.05	ug/L	99
95) n-Propylbenzene	11.115	91	405500	21.40	ug/L	98
96) 2-Chlorotoluene	11.182	91	248726	20.99	ug/L	98
97) 3-Chlorotoluene	11.231	91	261135	20.57	ug/L	98
98) 4-Chlorotoluene	11.274	91	287469	21.28	ug/L	96
99) 1,3,5-Trimethylbenzene	11.274	105	301819	21.89	ug/L	99
100) tert-Butylbenzene	11.542	119	242933	20.47	ug/L	98
101) 1,2,4-Trimethylbenzene	11.585	105	293040	21.32	ug/L	97
102) 3,4-Dichlorobenzotrifl...	11.646	214	73272	16.87	ug/L	97
103) sec-Butylbenzene	11.725	105	341816	20.91	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5582.D
 Acq On : 8 Sep 2022 12:02 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

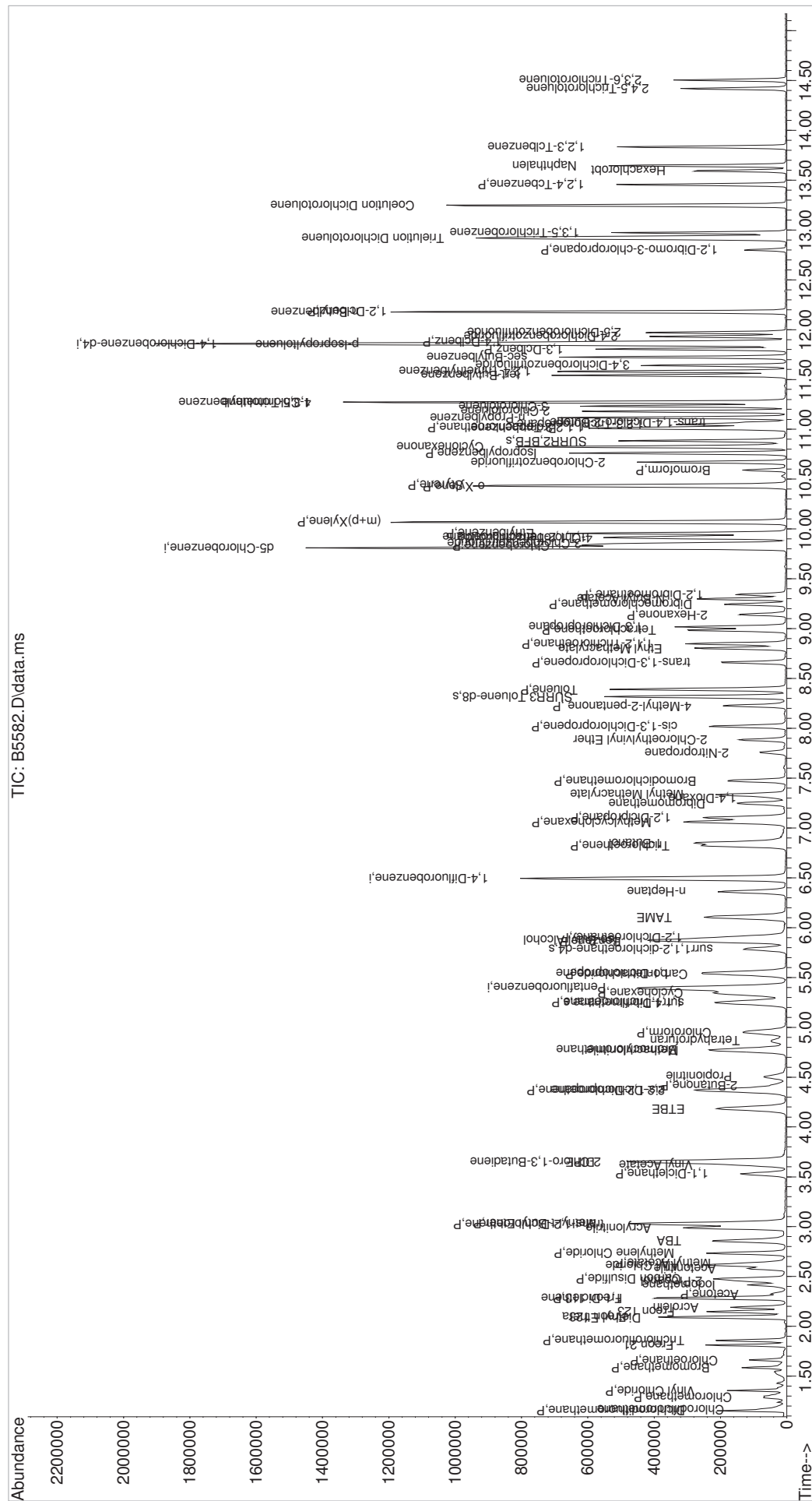
Quant Time: Sep 08 14:32:25 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	287670	20.36	ug/L	98
105) 1,3-Dclbenz	11.804	146	168764	20.41	ug/L	97
106) 1,4-Dclbenz	11.877	146	170215	20.43	ug/L	98
107) 2,4-Dichlorobenzotrifl...	11.932	214	66220	16.78	ug/L	94
108) 2,5-Dichlorobenzotrifl...	11.975	214	77175	17.45	ug/L	98
109) n-Butylbenzene	12.176	91	252092	21.17	ug/L	95
110) 1,2-Dclbenz	12.182	146	170017	20.24	ug/L	97
111) 1,2-Dibromo-3-chloropr...	12.804	157	19824	20.67	ug/L	92
112) Trielution Dichlorotol...	12.920	125	425679	61.88	ug/L	96
113) 1,3,5-Trichlorobenzene	12.975	180	110360	18.34	ug/L	97
114) Coelution Dichlorotoluene	13.249	125	304129	41.65	ug/L	98
115) 1,2,4-Tcbenzene	13.456	180	109458	19.79	ug/L	93
116) Hexachlorobt	13.596	225	34437	16.01	ug/L	95
117) Naphthalen	13.645	128	308393	22.59	ug/L	99
118) 1,2,3-Tclbenzene	13.834	180	106108	18.59	ug/L	98
119) 2,4,5-Trichlorotoluene	14.419	159	58397	18.80	ug/L	95
120) 2,3,6-Trichlorotoluene	14.505	159	57759	20.21	ug/L	99

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

ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 14:32:25 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



1st	<i>FN</i>	09/08/22
2nd	<i>UR</i>	09/12/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5583.D
 Acq On : 8 Sep 2022 12:24 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:32:53 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	414382	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	689481	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	634052	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	329257	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.251	113	219343	54.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	109.66%
47) surr1,1,2-dichloroetha...	5.787	65	288365	54.65	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	109.30%
65) SURR3,Toluene-d8	8.317	98	829432	53.52	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	107.04%
70) SURR2,BFB	10.884	95	321335	52.50	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	105.00%

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.166	51	244780	50.63	ug/L	97
3) Dichlorodifluoromethane	1.148	85	262864	58.02	ug/L	99
4) Chloromethane	1.288	50	251681	49.06	ug/L	98
5) Vinyl Chloride	1.355	62	258124	49.27	ug/L	99
6) Bromomethane	1.581	94	159621	63.68	ug/L	95
7) Chloroethane	1.660	64	155333	51.28	ug/L	98
8) Freon 21	1.812	67	394762	55.97	ug/L	97
9) Trichlorofluoromethane	1.855	101	312436	60.81	ug/L	98
10) Diethyl Ether	2.087	59	198172	53.75	ug/L	97
11) Freon 123a	2.093	67	236001	53.05	ug/L	97
12) Freon 123	2.148	83	262405	54.48	ug/L	97
13) Acrolein	2.190	56	279151	314.45	ug/L	97
14) 1,1-Dicethene	2.282	96	168653	53.84	ug/L	93
15) Freon 113	2.288	101	175148	54.14	ug/L	97
16) Acetone	2.324	43	122298	52.33	ug/L	98
17) 2-Propanol	2.459	45	443265	994.99	ug/L	91
18) Iodomethane	2.416	142	289646	54.15	ug/L	88
19) Carbon Disulfide	2.477	76	541110	56.60	ug/L	100
20) Acetonitrile	2.580	41	259605	314.86	ug/L	96
21) Allyl Chloride	2.617	76	90127	48.36	ug/L #	89
22) Methyl Acetate	2.635	43	292421	49.86	ug/L	94
23) Methylene Chloride	2.733	84	214459	56.36	ug/L	95
24) TBA	2.861	59	581189	913.35	ug/L	81
25) Acrylonitrile	2.989	53	625261	285.21	ug/L	97
26) Methyl-t-Butyl Ether	3.032	73	628006	53.90	ug/L	97
27) trans-1,2-Dichloroethene	3.026	96	189037	55.86	ug/L	96
28) 1,1-Dicethane	3.525	63	369075	53.13	ug/L	98
29) Vinyl Acetate	3.617	86	41605	77.69	ug/L #	85
30) DIPE	3.653	45	861537	56.05	ug/L	96
31) 2-Chloro-1,3-Butadiene	3.653	53	367654	58.49	ug/L	93
32) ETBE	4.184	59	583490	46.18	ug/L	96
33) 2,2-Dichloropropane	4.361	77	193253	46.35	ug/L	97
34) cis-1,2-Dichloroethene	4.373	96	224967	57.86	ug/L	87
35) 2-Butanone	4.416	43	206302	59.15	ug/L	94
36) Propionitrile	4.501	54	250165	275.06	ug/L	99
37) Bromochloromethane	4.769	130	151640	57.88	ug/L #	88
38) Methacrylonitrile	4.763	67	113262	52.52	ug/L	96
39) Tetrahydrofuran	4.854	42	121295	57.32	ug/L	96
40) Chloroform	4.952	83	375650	59.12	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5583.D
 Acq On : 8 Sep 2022 12:24 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:32:53 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.251	97	271411	55.38	ug/L	98
43) Cyclohexane	5.336	41	261898	49.52	ug/L	98
45) Carbontetrachloride	5.537	117	220473	52.17	ug/L	99
46) 1,1-Dichloropropene	5.549	75	255548	48.89	ug/L	96
48) Benzene	5.866	78	778498	49.40	ug/L	98
49) 1,2-Dichloroethane	5.909	62	338644	52.46	ug/L	99
50) Iso-Butyl Alcohol	5.885	43	334815	948.68	ug/L	89
51) TAME	6.104	73	537052	45.12	ug/L	97
52) n-Heptane	6.360	43	258806	44.08	ug/L	97
53) 1-Butanol	6.854	56	443562	2453.53	ug/L	98
54) Trichloroethene	6.817	130	206197	49.79	ug/L	97
55) Methylcyclohexane	7.061	55	255366	43.77	ug/L	95
56) 1,2-Dicloropropane	7.104	63	222172	49.54	ug/L	99
57) Dibromomethane	7.244	93	149195	53.77	ug/L	89
58) 1,4-Dioxane	7.305	88	85581	1062.00	ug/L	91
59) Methyl Methacrylate	7.336	69	176310	52.51	ug/L	92
60) Bromodichloromethane	7.476	83	274481	56.21	ug/L	96
61) 2-Nitropropane	7.756	41	144285	119.60	ug/L	95
62) 2-Chloroethylvinyl Ether	7.884	63	151727	54.78	ug/L	99
63) cis-1,3-Dichloropropene	8.018	75	290558	52.36	ug/L	96
64) 4-Methyl-2-pentanone	8.226	43	383026	54.46	ug/L	96
66) Toluene	8.390	91	880136	52.51	ug/L	96
67) trans-1,3-Dichloropropene	8.659	75	242790	50.69	ug/L	96
68) Ethyl Methacrylate	8.805	69	305206	51.26	ug/L	88
69) 1,1,2-Trichloroethane	8.848	97	208502	55.40	ug/L	97
72) Tetrachloroethene	8.982	164	143308	43.85	ug/L	93
73) 2-Hexanone	9.140	43	270356	51.31	ug/L	93
74) 1,3-Dichloropropane	9.018	76	357384	50.16	ug/L	94
75) Dibromochloromethane	9.244	129	221858	60.44	ug/L	95
76) N-Butyl Acetate	9.299	43	550262	52.89	ug/L	95
77) 1,2-Dibromoethane	9.341	107	217443	53.16	ug/L	95
78) 3-Chlorobenzotrifluoride	9.853	180	292823	45.73	ug/L	97
79) Chlorobenzene	9.835	112	581944	50.35	ug/L	98
80) 4-Chlorobenzotrifluoride	9.908	180	264695	46.84	ug/L	95
81) 1,1,1,2-Tetrachloroethane	9.927	131	187288	53.83	ug/L	97
82) Ethylbenzene	9.957	106	297299	49.68	ug/L	96
83) (m+p)Xylene	10.067	106	724840	100.64	ug/L	99
84) o-Xylene	10.427	106	368303	51.04	ug/L	98
85) Styrene	10.439	104	646358	53.42	ug/L	98
86) Bromoform	10.591	173	134449	57.07	ug/L	95
87) 2-Chlorobenzotrifluoride	10.670	180	307706	48.98	ug/L	99
88) Isopropylbenzene	10.762	105	873711	50.03	ug/L	98
89) Cyclohexanone	10.823	55	697980	799.75	ug/L	90
90) trans-1,4-Dichloro-2-B...	11.073	53	58970	35.12	ug/L	93
92) 1,1,2,2-Tetrachloroethane	11.024	83	317776	56.14	ug/L	98
93) Bromobenzene	11.006	156	253117	49.72	ug/L	97
94) 1,2,3-Trichloropropane	11.048	110	102170	53.23	ug/L	91
95) n-Propylbenzene	11.115	91	1085827	50.95	ug/L	99
96) 2-Chlorotoluene	11.182	91	673288	50.53	ug/L	94
97) 3-Chlorotoluene	11.231	91	794412	55.66	ug/L	98
98) 4-Chlorotoluene	11.274	91	772842	50.88	ug/L	97
99) 1,3,5-Trimethylbenzene	11.274	105	806057	51.98	ug/L	99
100) tert-Butylbenzene	11.542	119	659136	49.39	ug/L	100
101) 1,2,4-Trimethylbenzene	11.579	105	802979	51.94	ug/L	98
102) 3,4-Dichlorobenzotrifl...	11.640	214	228903	46.87	ug/L	98
103) sec-Butylbenzene	11.725	105	935404	50.87	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5583.D
 Acq On : 8 Sep 2022 12:24 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:32:53 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	815932	51.34	ug/L	98
105) 1,3-Dclbenz	11.804	146	468146	50.34	ug/L	98
106) 1,4-Dclbenz	11.877	146	474781	50.66	ug/L	98
107) 2,4-Dichlorobenzotrifl...	11.932	214	206386	46.50	ug/L	96
108) 2,5-Dichlorobenzotrifl...	11.975	214	229984	46.23	ug/L	95
109) n-Butylbenzene	12.176	91	710826	53.08	ug/L	98
110) 1,2-Dclbenz	12.182	146	480679	50.89	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.804	157	61639	57.14	ug/L	85
112) Trielution Dichlorotol...	12.920	125	1313139	169.76	ug/L	96
113) 1,3,5-Trichlorobenzene	12.975	180	336245	49.68	ug/L	99
114) Coelution Dichlorotoluene	13.249	125	968848	117.99	ug/L	97
115) 1,2,4-Tcbenzene	13.456	180	309911	49.84	ug/L	96
116) Hexachlorobt	13.597	225	95102	39.31	ug/L	96
117) Naphthalen	13.645	128	963018	62.74	ug/L	99
118) 1,2,3-Tclbenzene	13.834	180	308073	47.99	ug/L	97
119) 2,4,5-Trichlorotoluene	14.420	159	192705	55.18	ug/L	99
120) 2,3,6-Trichlorotoluene	14.505	159	181262	56.40	ug/L	95

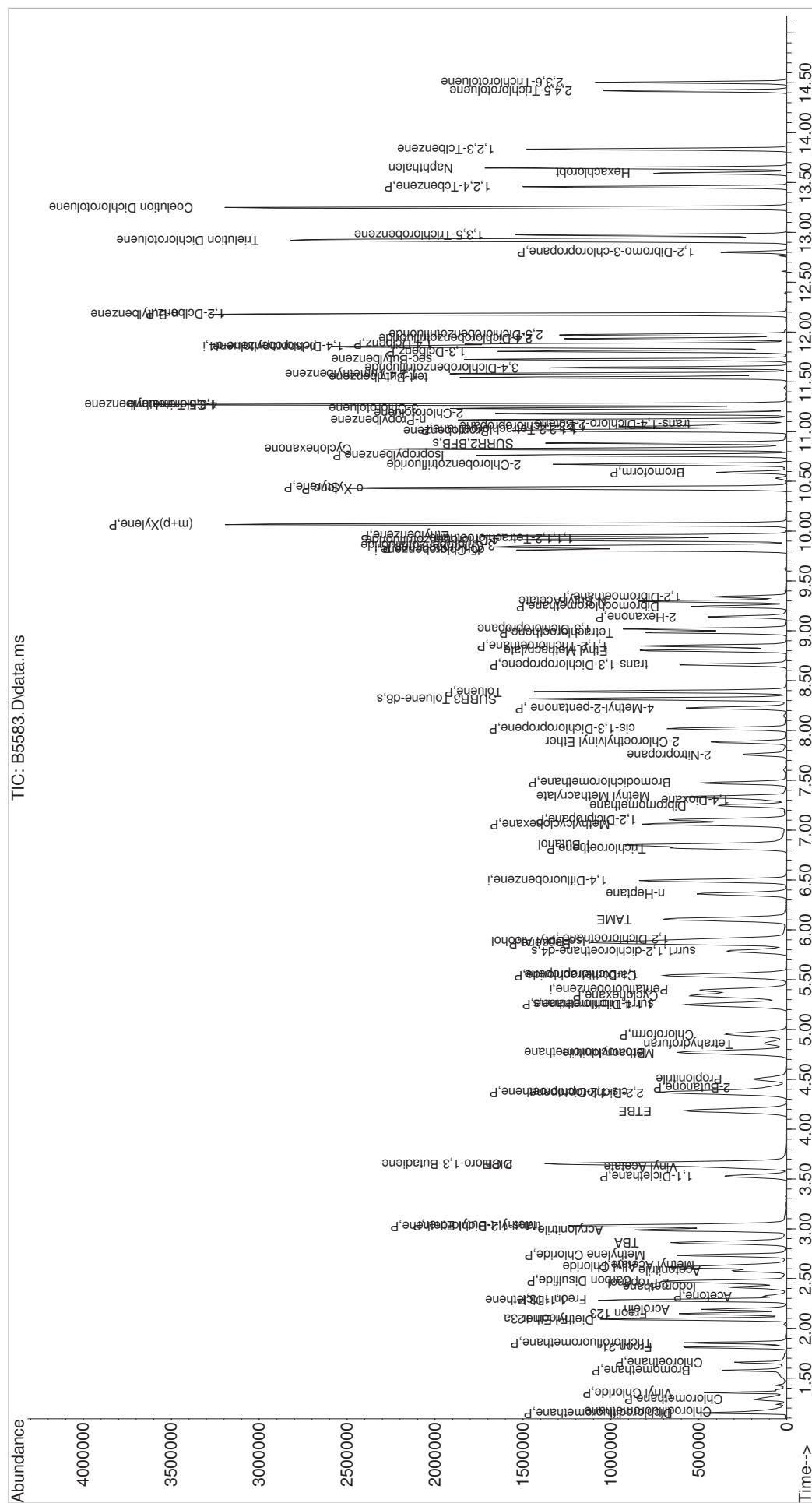
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5583.D
Acq On : 8 Sep 2022 12:24 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1
```

Inst : MSVOA10

ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 14:32:53 2022
Quant Method : I:\ACQDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5584.D
 Acq On : 8 Sep 2022 12:46 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:34:06 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	439179	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	727127	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	689225	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	360954	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	465225	110.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	220.54%#
47) surr1,1,2-dichloroetha...	5.787	65	580971	104.41	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	208.82%#
65) SURR3,Toluene-d8	8.317	98	1760817	107.74	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	215.48%#
70) SURR2,BFB	10.884	95	675599	104.66	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	209.32%#

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.166	51	475281	92.75	ug/L	99
3) Dichlorodifluoromethane	1.148	85	562911	117.23	ug/L	98
4) Chloromethane	1.288	50	559698	102.94	ug/L	99
5) Vinyl Chloride	1.355	62	552104	99.44	ug/L	99
6) Bromomethane	1.575	94	260088	97.91	ug/L	98
7) Chloroethane	1.654	64	341578	106.41	ug/L	99
8) Freon 21	1.806	67	848437	113.50	ug/L	93
9) Trichlorofluoromethane	1.855	101	705132	129.50	ug/L	99
10) Diethyl Ether	2.093	59	416225	106.52	ug/L	91
11) Freon 123a	2.093	67	511142	108.41	ug/L	98
12) Freon 123	2.148	83	580405	113.71	ug/L	98
13) Acrolein	2.190	56	564185	599.65	ug/L	98
14) 1,1-Dicethene	2.282	96	380992	114.75	ug/L #	87
15) Freon 113	2.288	101	404298	117.92	ug/L	93
16) Acetone	2.325	43	244859	98.86	ug/L	95
17) 2-Propanol	2.465	45	1012416	2144.24	ug/L	98
18) Iodomethane	2.416	142	621409	109.62	ug/L	94
19) Carbon Disulfide	2.471	76	1061028	104.71	ug/L	99
20) Acetonitrile	2.581	41	527903	604.10	ug/L	96
21) Allyl Chloride	2.617	76	208500	105.56	ug/L #	91
22) Methyl Acetate	2.635	43	616679	99.21	ug/L	96
23) Methylene Chloride	2.733	84	457986	113.57	ug/L	96
24) TBA	2.867	59	1313382	1947.47	ug/L	84
25) Acrylonitrile	2.989	53	1254752	540.04	ug/L	98
26) Methyl-t-Butyl Ether	3.032	73	1408944	114.09	ug/L	99
27) trans-1,2-Dichloroethene	3.026	96	424748	118.43	ug/L	96
28) 1,1-Dicethane	3.525	63	816460	110.90	ug/L	98
29) Vinyl Acetate	3.617	86	98342	173.27	ug/L #	60
30) DIPE	3.654	45	1794150	110.14	ug/L	96
31) 2-Chloro-1,3-Butadiene	3.647	53	739621	111.03	ug/L	99
32) ETBE	4.184	59	1269950	94.84	ug/L	95
33) 2,2-Dichloropropane	4.367	77	464358	105.09	ug/L	97
34) cis-1,2-Dichloroethene	4.373	96	486510	118.05	ug/L	89
35) 2-Butanone	4.416	43	421121	113.93	ug/L	95
36) Propionitrile	4.507	54	513044	532.25	ug/L	93
37) Bromochloromethane	4.769	130	326185	117.47	ug/L	89
38) Methacrylonitrile	4.775	67	243725	106.64	ug/L	91
39) Tetrahydrofuran	4.861	42	254791	113.60	ug/L	96
40) Chloroform	4.958	83	817324	121.36	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5584.D
 Acq On : 8 Sep 2022 12:46 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:34:06 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.251	97	639099	123.05	ug/L	99
43) Cyclohexane	5.336	41	581456	104.26	ug/L	96
45) Carbontetrachloride	5.537	117	531602	119.28	ug/L	98
46) 1,1-Dichloropropene	5.549	75	574279	104.18	ug/L	94
48) Benzene	5.867	78	1717815	103.36	ug/L	99
49) 1,2-Dichloroethane	5.909	62	734516	107.89	ug/L	98
50) Iso-Butyl Alcohol	5.885	43	748448	2010.88	ug/L	99
51) TAME	6.104	73	1141006	90.91	ug/L	96
52) n-Heptane	6.360	43	633005	102.23	ug/L	98
53) 1-Butanol	6.854	56	1001023	5250.41	ug/L	95
54) Trichloroethene	6.824	130	455754	104.36	ug/L	97
55) Methylcyclohexane	7.061	55	569899	92.63	ug/L	91
56) 1,2-Diclpropane	7.104	63	475817	100.61	ug/L	100
57) Dibromomethane	7.244	93	322657	110.27	ug/L	87
58) 1,4-Dioxane	7.311	88	188136	2213.75	ug/L	88
59) Methyl Methacrylate	7.336	69	380937	107.58	ug/L	98
60) Bromodichloromethane	7.476	83	620730	120.54	ug/L	95
61) 2-Nitropropane	7.756	41	331789	260.78	ug/L	99
62) 2-Chloroethylvinyl Ether	7.884	63	320786	109.81	ug/L	96
63) cis-1,3-Dichloropropene	8.019	75	664998	113.64	ug/L	98
64) 4-Methyl-2-pentanone	8.226	43	805602	108.61	ug/L	96
66) Toluene	8.390	91	1931401	109.26	ug/L	99
67) trans-1,3-Dichloropropene	8.659	75	571259	113.10	ug/L	96
68) Ethyl Methacrylate	8.805	69	678302	108.01	ug/L	89
69) 1,1,2-Trichloroethane	8.848	97	456820	115.09	ug/L	97
72) Tetrachloroethene	8.988	164	327040	92.06	ug/L	96
73) 2-Hexanone	9.140	43	589183	102.87	ug/L	93
74) 1,3-Dichloropropane	9.018	76	753792	97.33	ug/L	90
75) Dibromochloromethane	9.244	129	499148	125.09	ug/L	97
76) N-Butyl Acetate	9.299	43	1233517	109.07	ug/L	97
77) 1,2-Dibromoethane	9.341	107	492597	110.79	ug/L	93
78) 3-Chlorobenzotrifluoride	9.854	180	605108	86.94	ug/L	97
79) Chlorobenzene	9.835	112	1291642	102.81	ug/L	99
80) 4-Chlorobenzotrifluoride	9.908	180	548043	89.21	ug/L	95
81) 1,1,1,2-Tetrachloroethane	9.927	131	445218	117.71	ug/L	96
82) Ethylbenzene	9.957	106	680686	104.64	ug/L	99
83) (m+p)Xylene	10.073	106	1650267	210.80	ug/L	92
84) o-Xylene	10.427	106	837761	106.81	ug/L	99
85) Styrene	10.439	104	1438943	109.40	ug/L	99
86) Bromoform	10.591	173	304684	118.98	ug/L	98
87) 2-Chlorobenzotrifluoride	10.670	180	630385	92.31	ug/L	98
88) Isopropylbenzene	10.762	105	2004643	105.59	ug/L	99
89) Cyclohexanone	10.829	55	1594322	1680.55	ug/L	91
90) trans-1,4-Dichloro-2-B...	11.073	53	131578	72.10	ug/L	96
92) 1,1,2,2-Tetrachloroethane	11.024	83	669888	107.95	ug/L	96
93) Bromobenzene	11.006	156	568745	101.92	ug/L	95
94) 1,2,3-Trichloropropane	11.048	110	211354	100.44	ug/L	94
95) n-Propylbenzene	11.115	91	2460155	105.30	ug/L	98
96) 2-Chlorotoluene	11.183	91	1513184	103.58	ug/L	96
97) 3-Chlorotoluene	11.237	91	1570292	100.36	ug/L	97
98) 4-Chlorotoluene	11.274	91	1726053	103.66	ug/L	96
99) 1,3,5-Trimethylbenzene	11.268	105	1854978	109.11	ug/L	99
100) tert-Butylbenzene	11.542	119	1535750	104.98	ug/L	99
101) 1,2,4-Trimethylbenzene	11.579	105	1827319	107.81	ug/L	97
102) 3,4-Dichlorobenzotrifl...	11.646	214	468839	87.58	ug/L	100
103) sec-Butylbenzene	11.725	105	2204107	109.34	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5584.D
 Acq On : 8 Sep 2022 12:46 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:34:06 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	1907694	109.50	ug/L	97
105) 1,3-Dclbenz	11.804	146	1047313	102.72	ug/L	98
106) 1,4-Dclbenz	11.878	146	1072921	104.44	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.932	214	427551	87.87	ug/L	95
108) 2,5-Dichlorobenzotrifl...	11.975	214	484857	88.91	ug/L	97
109) n-Butylbenzene	12.176	91	1735069	118.19	ug/L	99
110) 1,2-Dclbenz	12.182	146	1077666	104.08	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.804	157	142627	120.60	ug/L	91
112) Trielution Dichlorotol...	12.926	125	2800976	330.30	ug/L	97
113) 1,3,5-Trichlorobenzene	12.975	180	729677	98.34	ug/L	96
114) Coelution Dichlorotoluene	13.249	125	2073740	230.37	ug/L	98
115) 1,2,4-Tcbenzene	13.456	180	737021	108.12	ug/L	98
116) Hexachlorobt	13.597	225	246166	92.81	ug/L	95
117) Naphthalen	13.645	128	2180696	129.60	ug/L	99
118) 1,2,3-Tclbenzene	13.834	180	714764	101.57	ug/L	95
119) 2,4,5-Trichlorotoluene	14.420	159	429739	112.24	ug/L	99
120) 2,3,6-Trichlorotoluene	14.505	159	395715	112.32	ug/L	98

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

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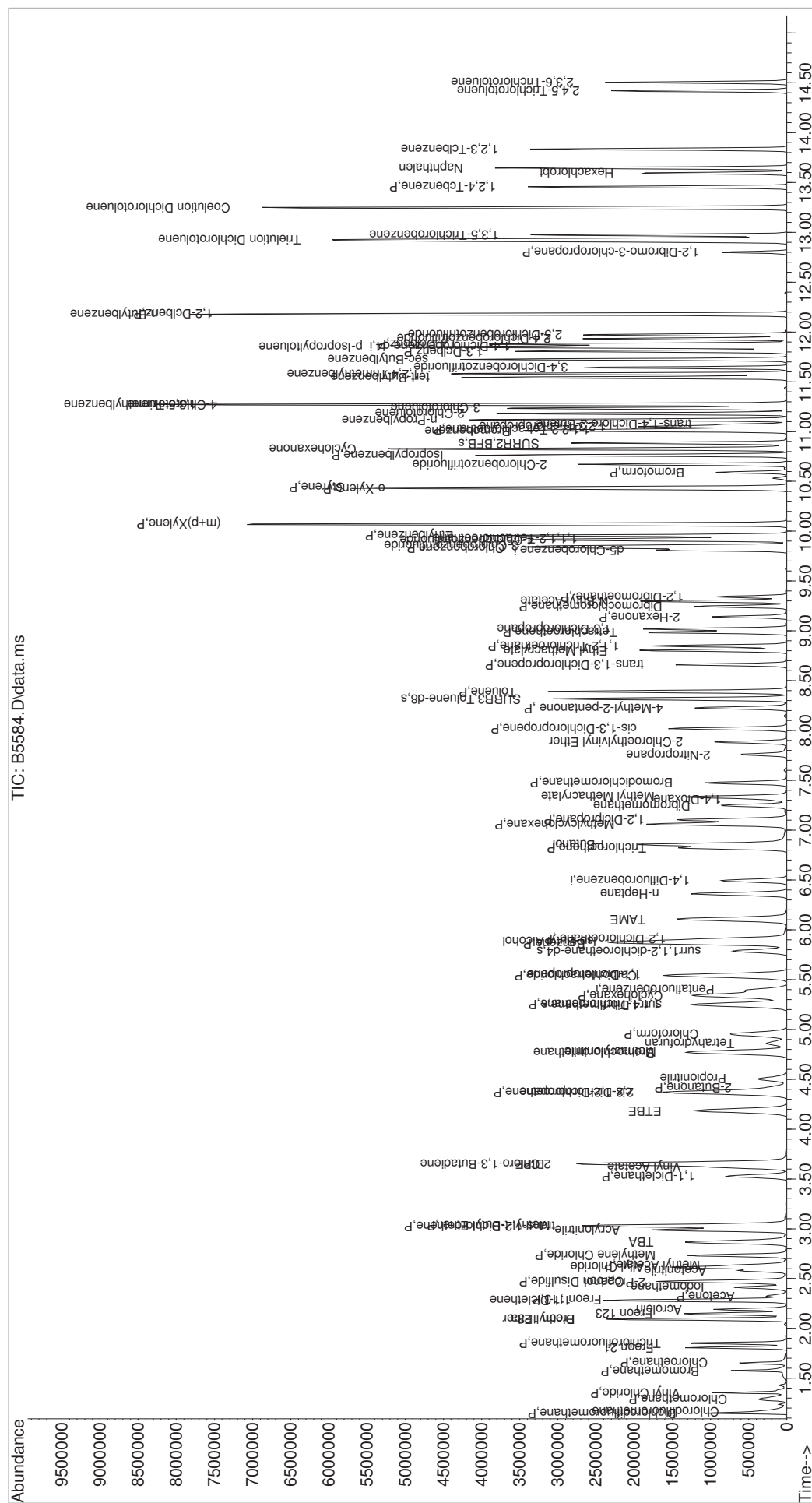
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Data File : B5584.D
Acq On : 8 Sep 2022 12:46 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

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Inst : MSVOA10

ALS Vial : 8 Sample Multiplier: 1

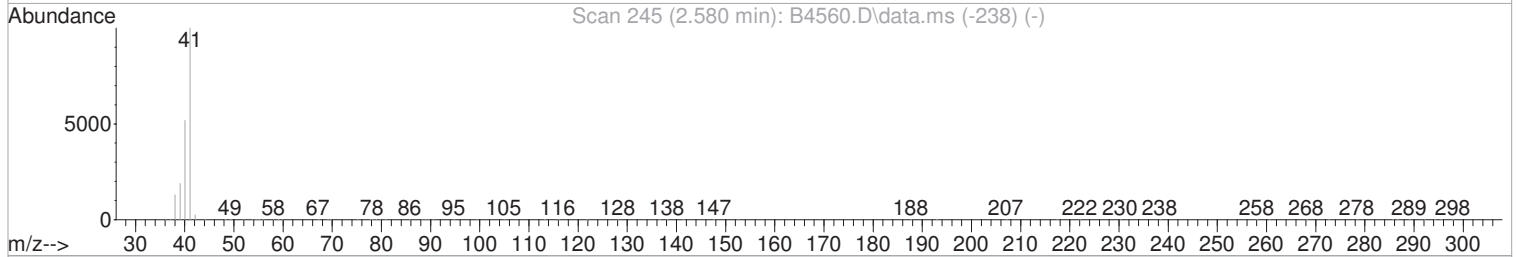
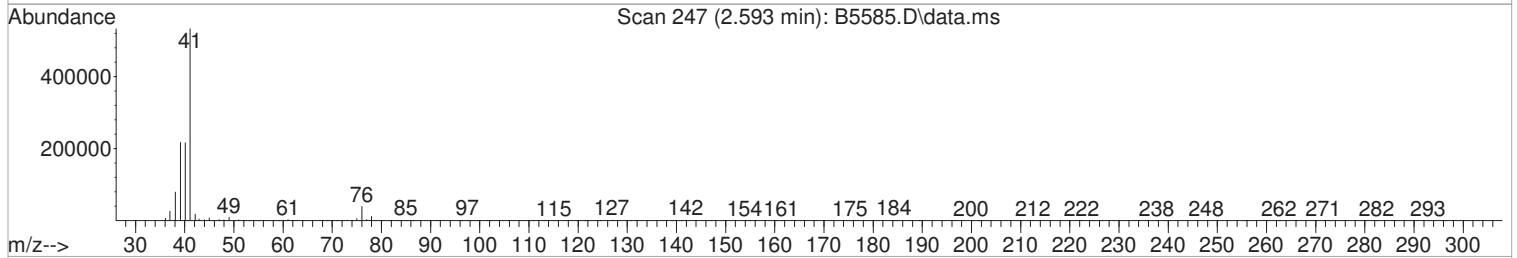
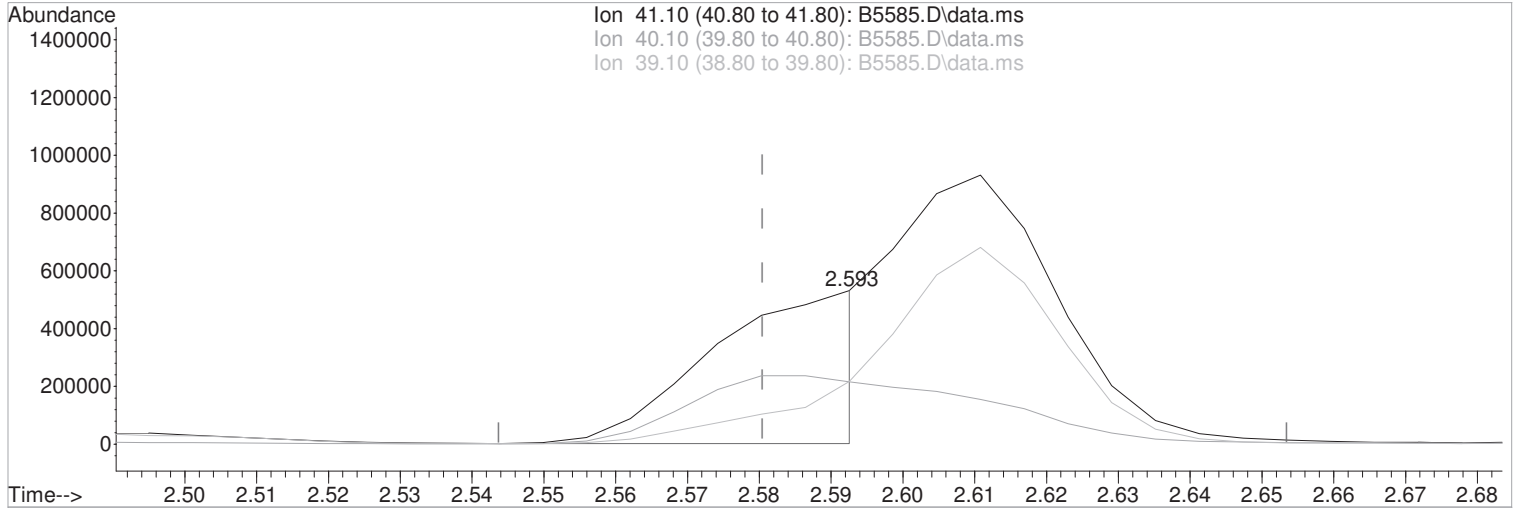
Quant Time: Sep 08 14:34:06 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5585.D
Acq On : 8 Sep 2022 1:08 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:34:58 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5585.D\data.ms

(20) Acetonitrile

2.593min (+0.012) 824.47 ug/L m

response 774334

Ion	Exp%	Act%
41.10	100	100
40.10	52.20	40.61
39.10	19.40	40.79#
0.00	0.00	0.00

Manual Integration:

After

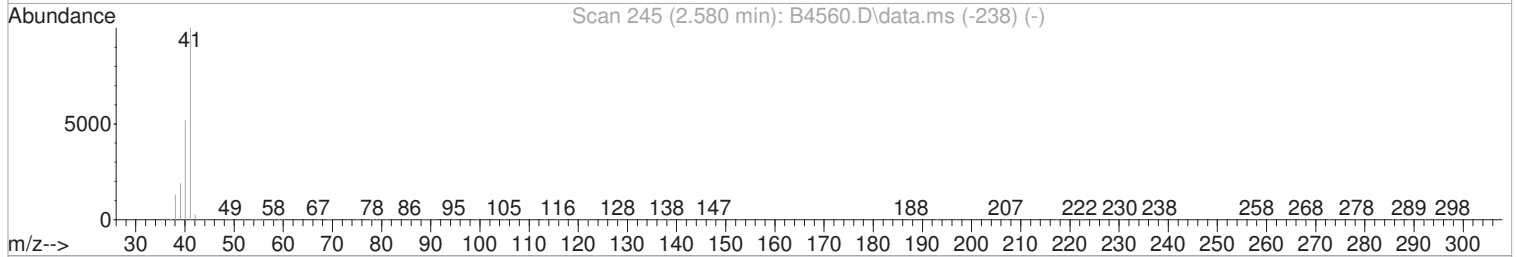
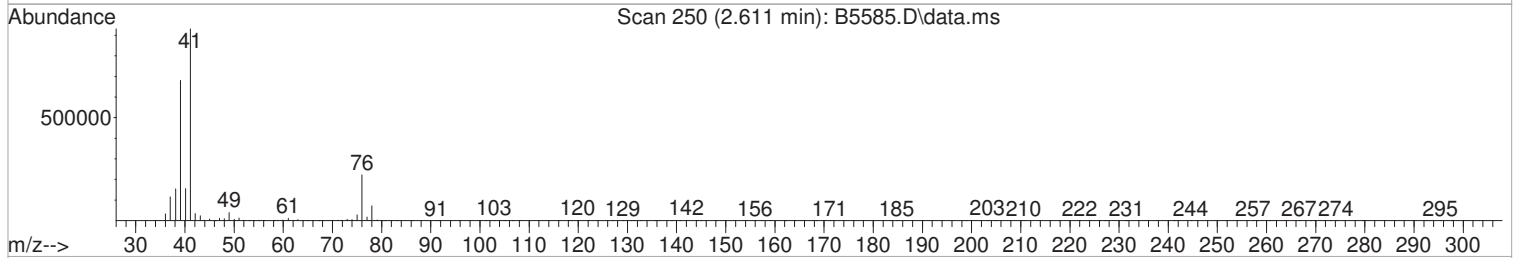
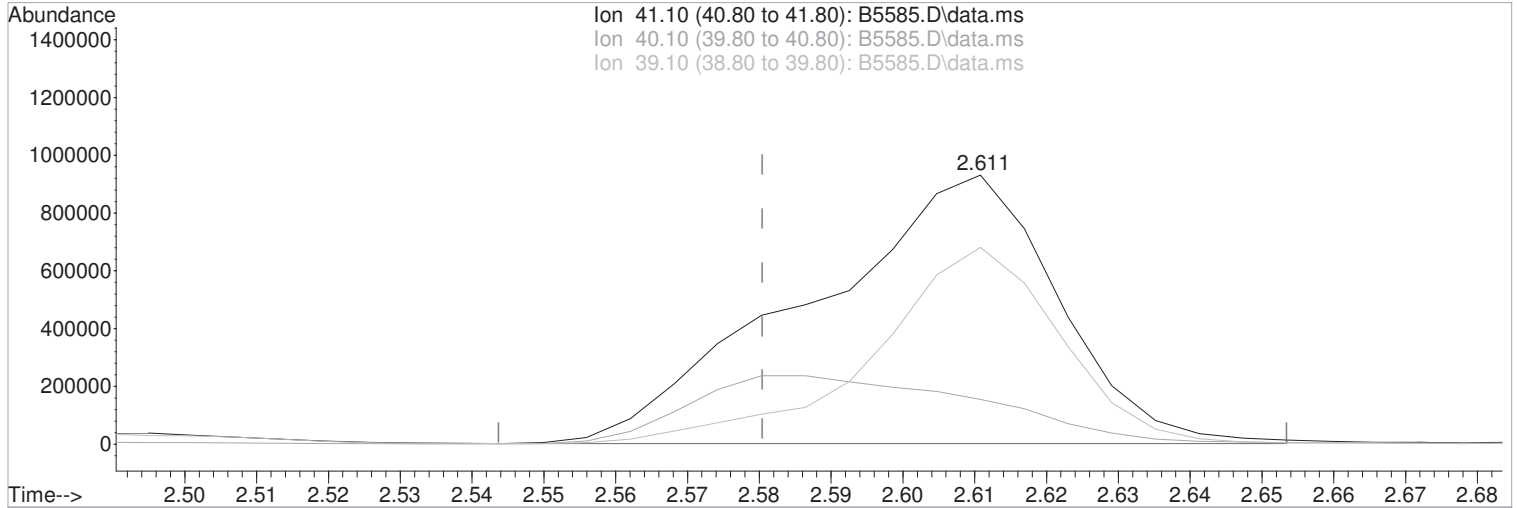
Poor integration.

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5585.D
Acq On : 8 Sep 2022 1:08 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:34:58 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



TIC: B5585.D\data.ms

(20) Acetonitrile

Manual Integration:

2.611min (+0.030) 2379.12 ug/L

Before

response 2234450

Ion	Exp%	Act%
41.10	100	100
40.10	52.20	16.69#
39.10	19.40	73.11#
0.00	0.00	0.00

09/08/22

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5585.D
 Acq On : 8 Sep 2022 1:08 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:35:17 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	472014	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	792320	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	727711	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	382044	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	925908	201.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	402.80%#
47) surr1,1,2-dichloroetha...	5.787	65	1168779	192.77	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	385.54%#
65) SURR3,Toluene-d8	8.317	98	3432932	192.78	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	385.56%#
70) SURR2,BFB	10.884	95	1350810	192.04	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	384.08%#

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.160	51	786934	142.88	ug/L	100
3) Dichlorodifluoromethane	1.148	85	906848	175.71	ug/L	99
4) Chloromethane	1.288	50	890453	152.38	ug/L	99
5) Vinyl Chloride	1.355	62	867963	145.45	ug/L	95
6) Bromomethane	1.574	94	379737	133.00	ug/L	99
7) Chloroethane	1.641	64	558237	161.80	ug/L	99
8) Freon 21	1.800	67	1319121	164.19	ug/L	96
9) Trichlorofluoromethane	1.843	101	1134322	193.83	ug/L	97
10) Diethyl Ether	2.093	59	657289	156.50	ug/L	94
11) Freon 123a	2.093	67	809074	159.67	ug/L	95
12) Freon 123	2.147	83	916838	167.12	ug/L	99
13) Acrolein	2.190	56	915569	905.43	ug/L	96
14) 1,1-Dicethene	2.276	96	632831	177.35	ug/L	91
15) Freon 113	2.282	101	661324	179.47	ug/L	98
16) Acetone	2.330	43	407074	152.93	ug/L	97
17) 2-Propanol	2.471	45	1691066	3332.43	ug/L	99
18) Iodomethane	2.410	142	1032632	169.48	ug/L	92
19) Carbon Disulfide	2.471	76	1823834	167.47	ug/L	99
20) Acetonitrile	2.593	41	774334m	824.47	ug/L	
21) Allyl Chloride	2.611	76	344182	162.13	ug/L	# 84
22) Methyl Acetate	2.635	43	969926	145.18	ug/L	96
23) Methylene Chloride	2.733	84	721707	166.52	ug/L	95
24) TBA	2.873	59	2197937	3032.37	ug/L	88
25) Acrylonitrile	2.989	53	1973407	790.26	ug/L	100
26) Methyl-t-Butyl Ether	3.038	73	2250838	169.58	ug/L	98
27) trans-1,2-Dichloroethene	3.025	96	695951	180.55	ug/L	91
28) 1,1-Dicethane	3.525	63	1307094	165.19	ug/L	99
29) Vinyl Acetate	3.623	86	161950	265.49	ug/L	# 68
30) DIPE	3.653	45	2833944	161.87	ug/L	93
31) 2-Chloro-1,3-Butadiene	3.647	53	1252975	175.01	ug/L	99
32) ETBE	4.184	59	2081509	144.63	ug/L	95
33) 2,2-Dichloropropane	4.367	77	822006	173.09	ug/L	95
34) cis-1,2-Dichloroethene	4.373	96	779785	176.05	ug/L	90
35) 2-Butanone	4.421	43	657811	165.58	ug/L	98
36) Propionitrile	4.507	54	826408	797.70	ug/L	95
37) Bromochloromethane	4.769	130	525788	176.17	ug/L	# 88
38) Methacrylonitrile	4.775	67	387604	157.79	ug/L	# 85
39) Tetrahydrofuran	4.860	42	406880	168.79	ug/L	93
40) Chloroform	4.952	83	1286183	177.70	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\090822\

Data File : B5585.D

Acq On : 8 Sep 2022 1:08 pm

Operator : F.NAEGLER

Sample : 150 PPB STD

Misc :

Inst : MSVOA10

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 14:35:17 2022

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M

Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

QLast Update : Thu Jul 21 10:00:08 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.257	97	1063810	190.57	ug/L	96
43) Cyclohexane	5.342	41	914471	150.48	ug/L	95
45) Carbontetrachloride	5.537	117	873911	179.95	ug/L	97
46) 1,1-Dichloropropene	5.549	75	923769	153.79	ug/L	96
48) Benzene	5.866	78	2688787	148.47	ug/L	100
49) 1,2-Dichloroethane	5.909	62	1124054	151.53	ug/L	98
50) Iso-Butyl Alcohol	5.891	43	1257624	3100.88	ug/L	99
51) TAME	6.110	73	1877733	137.29	ug/L	98
52) n-Heptane	6.360	43	1078891	159.90	ug/L	98
53) 1-Butanol	6.866	56	1686889	8119.79	ug/L	96
54) Trichloroethene	6.823	130	741992	155.92	ug/L	98
55) Methylcyclohexane	7.061	55	912171	136.06	ug/L	90
56) 1,2-Diclpropane	7.104	63	750680	145.67	ug/L	100
57) Dibromomethane	7.250	93	505960	158.68	ug/L	95
58) 1,4-Dioxane	7.311	88	288123	3111.32	ug/L	90
59) Methyl Methacrylate	7.335	69	607662	157.49	ug/L	91
60) Bromodichloromethane	7.476	83	975690	173.89	ug/L	96
61) 2-Nitropropane	7.762	41	534229	385.34	ug/L	98
62) 2-Chloroethylvinyl Ether	7.884	63	529909	166.48	ug/L	98
63) cis-1,3-Dichloropropene	8.018	75	1085635	170.26	ug/L	98
64) 4-Methyl-2-pentanone	8.226	43	1289381	159.53	ug/L	95
66) Toluene	8.390	91	3004633	155.98	ug/L	99
67) trans-1,3-Dichloropropene	8.658	75	965807	175.48	ug/L	95
68) Ethyl Methacrylate	8.805	69	1107337	161.83	ug/L	94
69) 1,1,2-Trichloroethane	8.847	97	702144	162.34	ug/L	98
72) Tetrachloroethene	8.988	164	539848	143.93	ug/L	95
73) 2-Hexanone	9.140	43	950197	157.12	ug/L	92
74) 1,3-Dichloropropane	9.018	76	1173653	143.53	ug/L	93
75) Dibromochloromethane	9.244	129	802449	190.47	ug/L	99
76) N-Butyl Acetate	9.299	43	1967639	164.78	ug/L	95
77) 1,2-Dibromoethane	9.341	107	760407	161.97	ug/L	97
78) 3-Chlorobenzotrifluoride	9.859	180	1037293	141.15	ug/L	97
79) Chlorobenzene	9.835	112	2024715	152.64	ug/L	99
80) 4-Chlorobenzotrifluoride	9.914	180	928722	143.19	ug/L	98
81) 1,1,1,2-Tetrachloroethane	9.926	131	719717	180.22	ug/L	97
82) Ethylbenzene	9.957	106	1083484	157.76	ug/L #	91
83) (m+p)Xylene	10.073	106	2635355	318.82	ug/L #	87
84) o-Xylene	10.426	106	1315340	158.82	ug/L	95
85) Styrene	10.439	104	2253783	162.29	ug/L	99
86) Bromoform	10.591	173	485107	179.41	ug/L	95
87) 2-Chlorobenzotrifluoride	10.670	180	1028053	142.59	ug/L	94
88) Isopropylbenzene	10.762	105	3184891	158.89	ug/L	98
89) Cyclohexanone	10.829	55	2834989	2830.27	ug/L	89
90) trans-1,4-Dichloro-2-B...	11.073	53	218806	113.55	ug/L	91
92) 1,1,2,2-Tetrachloroethane	11.024	83	1033816	157.39	ug/L	96
93) Bromobenzene	11.012	156	892679	151.13	ug/L	88
94) 1,2,3-Trichloropropane	11.048	110	336065	150.89	ug/L #	90
95) n-Propylbenzene	11.121	91	3859692	156.08	ug/L	96
96) 2-Chlorotoluene	11.182	91	2341169	151.41	ug/L	94
97) 3-Chlorotoluene	11.237	91	2474499	149.41	ug/L	96
98) 4-Chlorotoluene	11.274	91	2737818	155.35	ug/L	95
99) 1,3,5-Trimethylbenzene	11.274	105	2921743	162.37	ug/L	96
100) tert-Butylbenzene	11.542	119	2425159	156.62	ug/L	99
101) 1,2,4-Trimethylbenzene	11.585	105	2871606	160.08	ug/L	95
102) 3,4-Dichlorobenzotrifl...	11.646	214	784062	138.37	ug/L	98
103) sec-Butylbenzene	11.725	105	3458462	162.10	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5585.D
 Acq On : 8 Sep 2022 1:08 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:35:17 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	3053098	165.57	ug/L	97
105) 1,3-Dclbenz	11.804	146	1693904	156.97	ug/L	99
106) 1,4-Dclbenz	11.877	146	1711147	157.37	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.932	214	731320	142.00	ug/L	98
108) 2,5-Dichlorobenzotrifl...	11.975	214	830171	143.82	ug/L	97
109) n-Butylbenzene	12.176	91	2739744	176.32	ug/L	99
110) 1,2-Dclbenz	12.182	146	1696651	154.82	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.804	157	236370	188.83	ug/L	92
112) Trielution Dichlorotol...	12.920	125	4610000	513.61	ug/L	99
113) 1,3,5-Trichlorobenzene	12.975	180	1207489	153.75	ug/L	98
114) Coelution Dichlorotoluene	13.249	125	3377309	354.47	ug/L	97
115) 1,2,4-Tcbenzene	13.456	180	1209605	167.64	ug/L	98
116) Hexachlorobt	13.596	225	414189	147.54	ug/L	96
117) Naphthalen	13.645	128	3502187	196.64	ug/L	99
118) 1,2,3-Tclbenzene	13.834	180	1149335	154.31	ug/L	98
119) 2,4,5-Trichlorotoluene	14.419	159	731273	180.46	ug/L	96
120) 2,3,6-Trichlorotoluene	14.505	159	658087	176.47	ug/L	98

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

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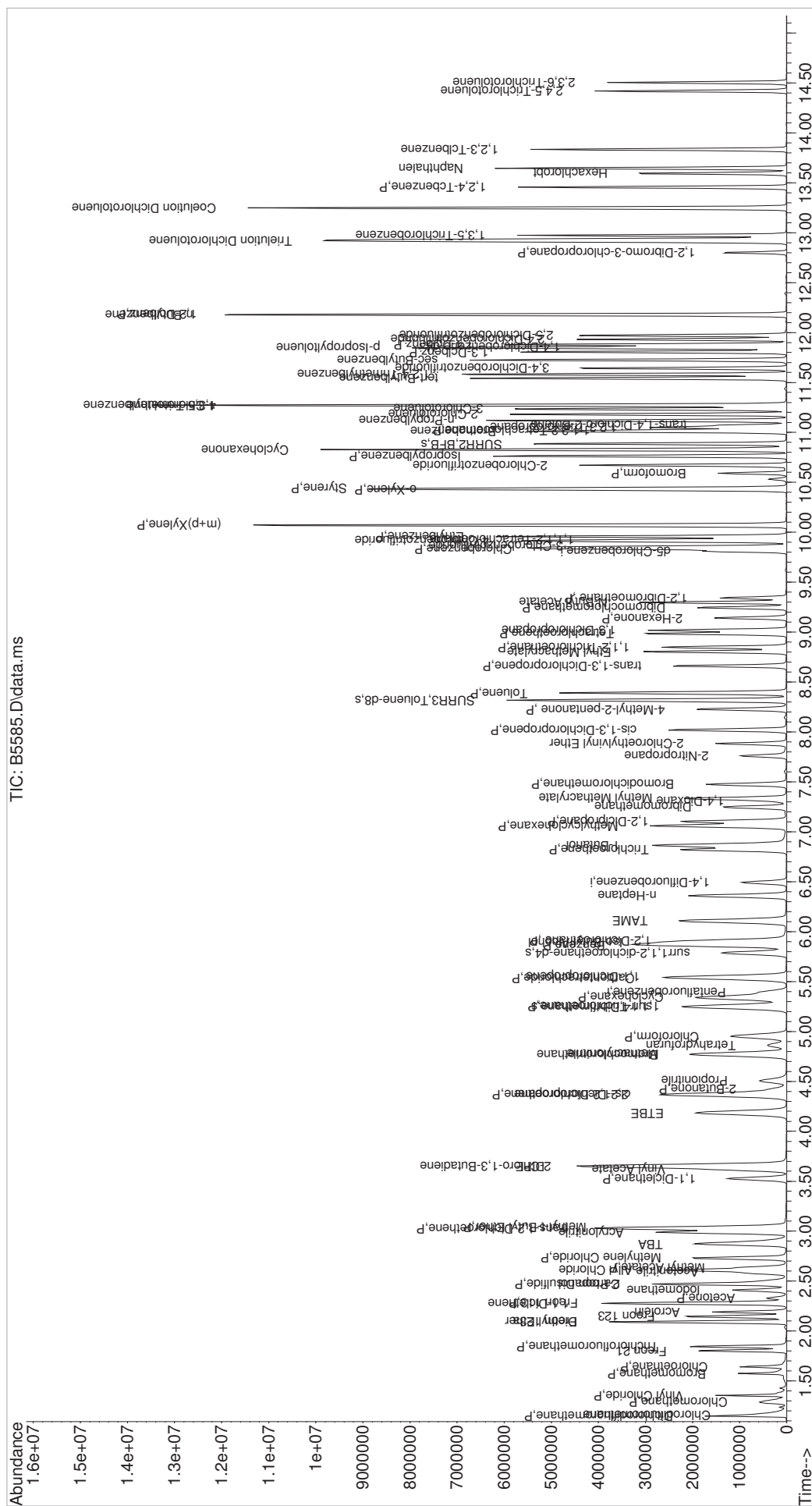
Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5585.D
Acq On : 8 Sep 2022 1:08 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

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Inst : MSVOA10

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 14:35:17 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5586.D
 Acq On : 8 Sep 2022 1:29 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:36:08 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	483933	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	793689	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	746685	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	404850	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	257742	55.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	111.94%
47) surr1,1,2-dichloroetha...	5.781	65	318589	52.46	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	104.92%
65) SURR3,Toluene-d8	8.317	98	979951	54.93	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	109.86%
70) SURR2,BFB	10.884	95	381782	54.18	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	108.36%

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.160	51	1053450	186.57	ug/L	97
3) Dichlorodifluoromethane	1.148	85	1239845	234.32	ug/L	99
4) Chloromethane	1.288	50	1239180	206.84	ug/L	97
5) Vinyl Chloride	1.355	62	1182849	193.34	ug/L	97
6) Bromomethane	1.575	94	515518	176.12	ug/L	94
7) Chloroethane	1.648	64	720783	203.77	ug/L	98
8) Freon 21	1.806	67	1785937	216.82	ug/L	94
9) Trichlorofluoromethane	1.849	101	1529788	254.97	ug/L	98
10) Diethyl Ether	2.093	59	899584	208.92	ug/L	93
11) Freon 123a	2.093	67	1060045	204.04	ug/L	92
12) Freon 123	2.148	83	1239412	220.36	ug/L	98
13) Acrolein	2.190	56	1211530	1168.60	ug/L	95
14) 1,1-Dicethene	2.282	96	846456	231.37	ug/L #	88
15) Freon 113	2.282	101	895095	236.93	ug/L	97
16) Acetone	2.324	43	537327	196.89	ug/L	98
17) 2-Propanol	2.465	45	2429335	4669.37	ug/L	100
18) Iodomethane	2.410	142	1459934	233.71	ug/L	91
19) Carbon Disulfide	2.471	76	2452249	219.63	ug/L	100
20) Acetonitrile	2.580	41	1160561	1205.26	ug/L	98
21) Allyl Chloride	2.611	76	477397	219.34	ug/L	95
22) Methyl Acetate	2.635	43	1326967	193.73	ug/L	96
23) Methylene Chloride	2.733	84	976699	219.81	ug/L	94
24) TBA	2.867	59	3115031	4191.78	ug/L	89
25) Acrylonitrile	2.989	53	2607384	1018.42	ug/L	99
26) Methyl-t-Butyl Ether	3.038	73	3083990	226.63	ug/L	99
27) trans-1,2-Dichloroethene	3.025	96	930283	235.39	ug/L	94
28) 1,1-Dicethane	3.525	63	1748730	215.56	ug/L	99
29) Vinyl Acetate	3.617	86	222041	355.03	ug/L #	67
30) DIPE	3.653	45	3777568	210.45	ug/L	94
31) 2-Chloro-1,3-Butadiene	3.653	53	1672230	227.81	ug/L	93
32) ETBE	4.184	59	2855146	193.49	ug/L	93
33) 2,2-Dichloropropane	4.367	77	1161901	238.64	ug/L	97
34) cis-1,2-Dichloroethene	4.373	96	1081097	238.07	ug/L	87
35) 2-Butanone	4.415	43	884018	217.04	ug/L	98
36) Propionitrile	4.507	54	1104303	1039.69	ug/L	97
37) Bromochloromethane	4.769	130	705370	230.53	ug/L #	86
38) Methacrylonitrile	4.781	67	519168	206.14	ug/L	98
39) Tetrahydrofuran	4.867	42	541836	219.24	ug/L	97
40) Chloroform	4.952	83	1728874	232.98	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\090822\

Data File : B5586.D

Acq On : 8 Sep 2022 1:29 pm

Operator : F.NAEGLER

Sample : 200 PPB STD

Inst : MSVOA10

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 14:36:08 2022

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M

Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

QLast Update : Thu Jul 21 10:00:08 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.257	97	1461295	255.33	ug/L	98
43) Cyclohexane	5.342	41	1214316	199.48	ug/L	100
45) Carbontetrachloride	5.537	117	1234501	253.76	ug/L	99
46) 1,1-Dichloropropene	5.549	75	1262161	209.76	ug/L	93
48) Benzene	5.866	78	3616233	199.33	ug/L	99
49) 1,2-Dichloroethane	5.909	62	1517174	204.17	ug/L	96
50) Iso-Butyl Alcohol	5.891	43	1745547	4296.51	ug/L	97
51) TAME	6.110	73	2588987	188.97	ug/L	98
52) n-Heptane	6.360	43	1395245	206.43	ug/L	98
53) 1-Butanol	6.866	56	2336883	11229.12	ug/L	99
54) Trichloroethene	6.824	130	1016908	213.33	ug/L	97
55) Methylcyclohexane	7.061	55	1207632	179.82	ug/L	93
56) 1,2-Dicloropropane	7.104	63	1009887	195.63	ug/L	100
57) Dibromomethane	7.250	93	693001	216.97	ug/L	96
58) 1,4-Dioxane	7.311	88	400116	4313.24	ug/L	91
59) Methyl Methacrylate	7.336	69	824741	213.38	ug/L	90
60) Bromodichloromethane	7.476	83	1331440	236.88	ug/L	95
61) 2-Nitropropane	7.762	41	775932	558.72	ug/L	99
62) 2-Chloroethylvinyl Ether	7.884	63	705299	221.19	ug/L	100
63) cis-1,3-Dichloropropene	8.018	75	1503103	235.32	ug/L	99
64) 4-Methyl-2-pentanone	8.226	43	1753482	216.57	ug/L	95
66) Toluene	8.390	91	4038047	209.27	ug/L	98
67) trans-1,3-Dichloropropene	8.659	75	1337166	242.54	ug/L	95
68) Ethyl Methacrylate	8.805	69	1525161	222.50	ug/L	95
69) 1,1,2-Trichloroethane	8.848	97	946367	218.43	ug/L	98
72) Tetrachloroethene	8.988	164	757088	196.72	ug/L	95
73) 2-Hexanone	9.140	43	1311154	211.30	ug/L	94
74) 1,3-Dichloropropane	9.018	76	1600197	190.72	ug/L	92
75) Dibromochloromethane	9.244	129	1132050	261.88	ug/L	96
76) N-Butyl Acetate	9.299	43	2709322	221.13	ug/L	96
77) 1,2-Dibromoethane	9.341	107	1043986	216.73	ug/L	98
78) 3-Chlorobenzotrifluoride	9.860	180	1395758	185.10	ug/L	98
79) Chlorobenzene	9.835	112	2788931	204.91	ug/L	98
80) 4-Chlorobenzotrifluoride	9.914	180	1254646	188.52	ug/L	97
81) 1,1,1,2-Tetrachloroethane	9.927	131	1003774	244.96	ug/L	98
82) Ethylbenzene	9.957	106	1485794	210.84	ug/L	# 86
83) (m+p)Xylene	10.073	106	3669267	432.62	ug/L	# 81
84) o-Xylene	10.426	106	1826029	214.89	ug/L	93
85) Styrene	10.445	104	3133081	219.87	ug/L	96
86) Bromoform	10.591	173	692815	249.72	ug/L	98
87) 2-Chlorobenzotrifluoride	10.670	180	1420731	192.04	ug/L	97
88) Isopropylbenzene	10.762	105	4331398	210.59	ug/L	97
89) Cyclohexanone	10.829	55	3852070	3747.94	ug/L	90
90) trans-1,4-Dichloro-2-B...	11.073	53	318311	160.99	ug/L	86
92) 1,1,2,2-Tetrachloroethane	11.024	83	1447742	208.00	ug/L	98
93) Bromobenzene	11.012	156	1246440	199.14	ug/L	# 86
94) 1,2,3-Trichloropropane	11.048	110	456130	193.26	ug/L	# 90
95) n-Propylbenzene	11.121	91	5169401	197.26	ug/L	94
96) 2-Chlorotoluene	11.182	91	3239782	197.73	ug/L	95
97) 3-Chlorotoluene	11.237	91	3383088	192.77	ug/L	95
98) 4-Chlorotoluene	11.274	91	3792517	203.07	ug/L	94
99) 1,3,5-Trimethylbenzene	11.274	105	4018774	210.76	ug/L	95
100) tert-Butylbenzene	11.542	119	3353212	204.36	ug/L	98
101) 1,2,4-Trimethylbenzene	11.585	105	3980301	209.38	ug/L	92
102) 3,4-Dichlorobenzotrifl...	11.646	214	1105587	184.12	ug/L	98
103) sec-Butylbenzene	11.725	105	4707162	208.20	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5586.D
 Acq On : 8 Sep 2022 1:29 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 14:36:08 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Jul 21 10:00:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	4208170	215.35	ug/L	95
105) 1,3-Dclbenz	11.804	146	2329499	203.71	ug/L	99
106) 1,4-Dclbenz	11.877	146	2383412	206.85	ug/L	100
107) 2,4-Dichlorobenzotrifl...	11.932	214	1016120	186.19	ug/L	98
108) 2,5-Dichlorobenzotrifl...	11.975	214	1146649	187.46	ug/L	97
109) n-Butylbenzene	12.176	91	3761614	228.45	ug/L	96
110) 1,2-Dclbenz	12.182	146	2395318	206.25	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.804	157	334809	252.41	ug/L	95
112) Trielution Dichlorotol...	12.926	125	6228748	654.87	ug/L	97
113) 1,3,5-Trichlorobenzene	12.975	180	1646912	197.89	ug/L	99
114) Coelution Dichlorotoluene	13.249	125	4545818	450.24	ug/L	97
115) 1,2,4-Tcbenzene	13.456	180	1635151	213.86	ug/L	99
116) Hexachlorobt	13.597	225	551004	185.22	ug/L	97
117) Naphthalen	13.645	128	4736659	250.98	ug/L	97
118) 1,2,3-Tclbenzene	13.834	180	1592014	201.71	ug/L	97
119) 2,4,5-Trichlorotoluene	14.420	159	937863	218.40	ug/L	98
120) 2,3,6-Trichlorotoluene	14.505	159	842070	213.09	ug/L	98

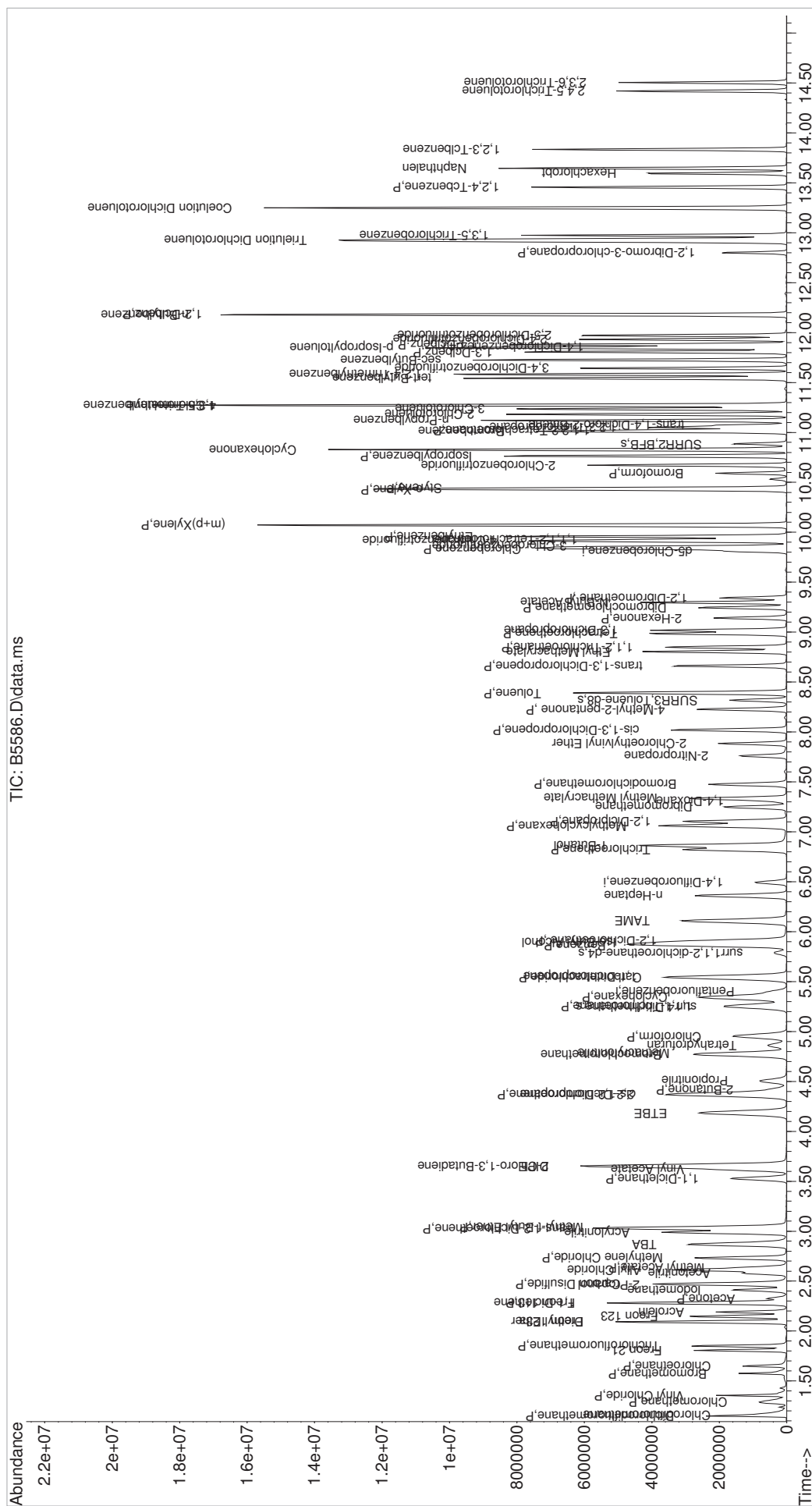
(#) = qualifier out of range (m) = manual integration (+) = signals summed


```
Data Path : I:\ACQUDATA\msvoa10\data\090822\
Data File : B5586.D
Acq On : 8 Sep 2022 1:29 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1
```

Inst : MSVOA10

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 14:36:08 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Jul 21 10:00:08 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5590.D
 Acq On : 8 Sep 2022 2:57 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:10:10 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	105	0.00
2	Chlorodifluoromethane	50.000	61.920	-23.8#	126	0.00
3 P	Dichlorodifluoromethane	50.000	44.742	10.5	91	0.00
4 P	Chloromethane	50.000	48.224	3.6	112	0.00
5 P	Vinyl Chloride	50.000	45.921	8.2	98	0.00
6 P	Bromomethane	50.000	55.960	-11.9	106	0.00
7 P	Chloroethane	50.000	44.430	11.1	105	0.00
8	Freon 21	50.000	43.846	12.3	96	0.00
9 P	Trichlorofluoromethane	50.000	50.541	-1.1	114	0.00
10	Diethyl Ether	50.000	51.476	-3.0	110	0.00
11	Freon 123a	50.000	49.450	1.1	112	0.00
12	Freon 123	50.000	50.405	-0.8	112	0.00
13	Acrolein	250.000	50.372	79.9#	20	0.00
14	1,1-Dicethene	50.000	54.018	-8.0	124	0.00
15 P	Freon 113	50.000	50.168	-0.3	120	0.00
16 P	Acetone	50.000	50.633	-1.3	107	0.00
17	2-Propanol	1000.000	966.501	3.3	101	0.00
18	Iodomethane	50.000	48.745	2.5	99	0.00
19 P	Carbon Disulfide	50.000	47.211	5.6	99	0.00
20	Acetonitrile	250.000	262.002	-4.8	104	0.00
21	Allyl Chloride	50.000	54.750	-9.5	125	0.00
22 P	Methyl Acetate	50.000	46.372	7.3	99	0.00
23 P	Methylene Chloride	50.000	48.333	3.3	109	0.00
24	TBA	1000.000	1051.507	-5.2	109	0.00
25	Acrylonitrile	250.000	260.645	-4.3	104	0.00
26 P	Methyl-t-Butyl Ether	50.000	53.440	-6.9	113	0.00
27 P	trans-1,2-Dichloroethene	50.000	50.806	-1.6	114	0.00
28 P	1,1-Dicethane	50.000	54.389	-8.8	117	0.00
29	Vinyl Acetate	50.000	44.729	10.5	90	0.00
30	DIPE	50.000	52.767	-5.5	106	0.00
31	2-Chloro-1,3-Butadiene	50.000	50.932	-1.9	104	0.00
32	ETBE	50.000	50.029	-0.1	104	0.00
33	2,2-Dichloropropane	50.000	56.553	-13.1	122	0.00
34 P	cis-1,2-Dichloroethene	50.000	50.503	-1.0	111	0.00
35 P	2-Butanone	50.000	46.862	6.3	98	0.00
36	Propionitrile	250.000	271.525	-8.6	105	0.00
37	Bromochloromethane	50.000	51.308	-2.6	111	0.00
38	Methacrylonitrile	50.000	53.022	-6.0	111	0.00
39	Tetrahydrofuran	50.000	49.491	1.0	107	0.00
40 P	Chloroform	50.000	50.390	-0.8	110	0.00
41 P	1,1,1-Trichloroethane	50.000	53.586	-7.2	118	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
43 P	Cyclohexane	50.000	52.716	-5.4	112	0.00
44 s	surr4,Dibrflmethane	50.000	50.174	-0.3	104	0.00
45 P	Carbontetrachloride	50.000	54.087	-8.2	116	0.00
46	1,1-Dichloropropene	50.000	51.920	-3.8	112	0.00
47 s	surr1,1,2-dichloroethane-d4	50.000	49.553	0.9	100	0.00
48 P	Benzene	50.000	53.095	-6.2	114	0.00
49 P	1,2-Dichloroethane	50.000	54.596	-9.2	110	0.00
50	Iso-Butyl Alcohol	1000.000	1113.876	-11.4	110	0.00
51	TAME	50.000	55.826	-11.7	109	0.00

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5590.D
 Acq On : 8 Sep 2022 2:57 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:10:10 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	55.519	-11.0	129	0.00
53	1-Butanol	2500.000	2579.162	-3.2	96	0.00
54 P	Trichloroethene	50.000	52.892	-5.8	114	0.00
55 P	Methylcyclohexane	50.000	53.038	-6.1	114	0.00
56 P	1,2-Dicloropropane	50.000	53.906	-7.8	108	0.00
57	Dibromomethane	50.000	52.198	-4.4	114	0.00
58	1,4-Dioxane	1000.000	984.024	1.6	103	0.00
59	Methyl Methacrylate	50.000	57.190	-14.4	111	0.00
60 P	Bromodichloromethane	50.000	53.083	-6.2	110	0.00
61	2-Nitropropane	100.000	92.055	7.9	92	0.00
62	2-Chloroethylvinyl Ether	50.000	30.981	38.0#	59	0.00
63 P	cis-1,3-Dichloropropene	50.000	58.622	-17.2	114	0.00
64 P	4-Methyl-2-pentanone	50.000	53.092	-6.2	103	0.00
65 s	SURR3,Toluene-d8	50.000	49.986	0.0	104	0.00
66 P	Toluene	50.000	51.957	-3.9	110	0.00
67 P	trans-1,3-Dichloropropene	50.000	62.175	-24.3#	119	0.00
68	Ethyl Methacrylate	50.000	59.440	-18.9	112	0.00
69 P	1,1,2-Trichloroethane	50.000	53.101	-6.2	109	0.00
70 s	SURR2,BFB	50.000	50.189	-0.4	102	0.00
71 i	d5-Chlorobenzene	50.000	50.000	0.0	103	0.00
72 P	Tetrachloroethene	50.000	51.255	-2.5	118	0.00
73 P	2-Hexanone	50.000	51.682	-3.4	104	0.00
74	1,3-Dichloropropane	50.000	52.537	-5.1	110	0.00
75 P	Dibromochloromethane	50.000	51.422	-2.8	104	0.00
76	N-Butyl Acetate	50.000	53.381	-6.8	102	0.00
77 P	1,2-Dibromoethane	50.000	54.747	-9.5	109	0.00
78	3-Chlorobenzotrifluoride	50.000	48.054	3.9	99	0.00
79 P	Chlorobenzene	50.000	52.875	-5.8	110	0.00
80	4-Chlorobenzotrifluoride	50.000	49.195	1.6	100	0.00
81	1,1,1,2-Tetrachloroethane	50.000	52.501	-5.0	111	0.00
82 P	Ethylbenzene	50.000	53.100	-6.2	114	0.00
83 P	(m+p)Xylene	100.000	105.858	-5.9	116	0.00
84 P	o-Xylene	50.000	54.140	-8.3	115	0.00
85 P	Styrene	50.000	56.902	-13.8	113	0.00
86 P	Bromoform	50.000	58.182	-16.4	108	0.00
87	2-Chlorobenzotrifluoride	50.000	49.175	1.7	97	0.00
88 P	Isopropylbenzene	50.000	57.277	-14.6	122	0.00
89	Cyclohexanone	1000.000	1518.832	-51.9#	172	0.00
90	trans-1,4-Dichloro-2-Butene	50.000	64.164	-28.3#	134	0.00
91 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
92 P	1,1,2,2-Tetrachloroethane	50.000	51.757	-3.5	106	0.00
93	Bromobenzene	50.000	49.432	1.1	109	0.00
94	1,2,3-Trichloropropane	50.000	51.366	-2.7	106	0.00
95	n-Propylbenzene	50.000	53.381	-6.8	118	0.00
96	2-Chlorotoluene	50.000	52.263	-4.5	115	0.00
97	3-Chlorotoluene	50.000	49.555	0.9	95	0.00
98	4-Chlorotoluene	50.000	51.642	-3.3	113	0.00
99	1,3,5-Trimethylbenzene	50.000	52.559	-5.1	115	0.00
100	tert-Butylbenzene	50.000	54.222	-8.4	118	0.00
101	1,2,4-Trimethylbenzene	50.000	54.277	-8.6	116	0.00

Data Path : I:\ACQUDATA\msvoa10\data\090822\
 Data File : B5590.D
 Acq On : 8 Sep 2022 2:57 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 08 16:10:10 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	46.978	6.0	98	0.00
103	sec-Butylbenzene	50.000	55.029	-10.1	121	0.00
104	p-Isopropyltoluene	50.000	55.392	-10.8	118	0.00
105 P	1,3-Dclbenz	50.000	54.315	-8.6	114	0.00
106 P	1,4-Dclbenz	50.000	50.069	-0.1	113	0.00
107	2,4-Dichlorobenzotrifluorid	50.000	47.869	4.3	99	0.00
108	2,5-Dichlorobenzotrifluorid	50.000	47.532	4.9	98	0.00
109	n-Butylbenzene	50.000	55.647	-11.3	119	0.00
110 P	1,2-Dclbenz	50.000	51.378	-2.8	109	0.00
111 P	1,2-Dibromo-3-chloropropane	50.000	52.821	-5.6	103	0.00
112	Trielution Dichlorotoluene	150.000	149.673	0.2	97	0.00
113	1,3,5-Trichlorobenzene	50.000	48.085	3.8	100	0.00
114	Coelution Dichlorotoluene	100.000	99.414	0.6	95	0.00
115 P	1,2,4-Tcbenzene	50.000	50.883	-1.8	106	0.00
116	Hexachlorobt	50.000	53.052	-6.1	122	0.00
117	Naphthalen	50.000	56.325	-12.7	104	0.00
118	1,2,3-Tclbenzene	50.000	50.602	-1.2	102	0.00
119	2,4,5-Trichlorotoluene	50.000	46.694	6.6	96	0.00
120	2,3,6-Trichlorotoluene	50.000	47.598	4.8	85	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: 9/8/22 9:39

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\090822\B5576.D

Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	25.1	45848	PASS
75	95	30	60	53.3	97312	PASS
95	95	100	100	100.0	182720	PASS
96	95	5	9	7.1	12980	PASS
173	174	0	2	1.2	1559	PASS
174	95	50	120	73.4	134051	PASS
175	174	5	9	8.9	11896	PASS
176	174	95	101	96.5	129317	PASS
177	176	5	9	6.5	8447	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
ICALBLK	ICALBLK	I:\ACQUDATA\msvoa10\data\090822\B5577.D	9/8/22 10:13
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090822\B5578.D	9/8/22 10:35
1 PPB STD	1 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5579.D	9/8/22 10:56
2 PPB STD	2 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5580.D	9/8/22 11:18
5 PPB STD	5 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090822\B5581.D	9/8/22 11:40
20 PPB STD	20 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090822\B5582.D	9/8/22 12:02
50 PPB STD	50 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5583.D	9/8/22 12:24
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090822\B5584.D	9/8/22 12:46
150 PPB STD	150 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090822\B5585.D	9/8/22 13:08
200 PPB STD	200 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5586.D	9/8/22 13:29
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\090822\B5590.D	9/8/22 14:57

Analysis: 8240/627 Analyst: F. Nash pH strips: - Tune Method: W090822.M
 Date: 9/8/22 Balance ID: - ResCl strips: - Run Method: ↓
 Instr: MS10 50 mL Class A used for dilution FV Syringes: 177417/218705 LIMS Run#: -

Data Path: j:\acquadata\msvoa6\InstID\ (Date)

Pos.	Sample	Diln.	Diln. Prep/	RL	Vial	HS	CI	pH	File#	OK?	Comments
3	TUNE								85524	Y	
14	ICAL BLC								77	Y	
2	0.5 ppb std								78	Y	
3	1								79	Y	
4	2								80	Y	
5	5								81	Y	
6	20								82	Y	
7	50								83	Y	
8	100								84	Y	
9	150								85	Y	
10	200								86	Y	
11	BLC								87	Y	
12	↓								88	Y	
13	↓								89	Y	
14	50 ppb ICV								90	Y	
15	BLC								91	Y	
16	↓								92	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 224705	10µL/1mL 5µL/50µL	10µL/1mL 5µL/50µL	20µL/1mL 10µL/50µL	50µL/1mL 25µL/50µL	2µL/50µL	5µL/50µL	10µL/50µL	15µL/50µL	20µL/50µL
1° HSL = 224773	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° FC = 224484	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 223946	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° 236-TCF = 224089	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° FC22 = 224681	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 µL combined IS/ 5 mL purged

Primary SEE TABLE ABOVE
 Primary
 Primary
 Primary
 Primary

FC Secondary 200 : 224780 - 12.5µL
 T/G Secondary 500 : 224589 - 5µL
 HSL Secondary : 224576 -
 OCC Secondary : 223947 -
 236-TCF Secondary : 224089 -
 FC22 : 224682 - 12.5µL

5µL
 (ICV)

Combined IS/Surf :
 Surrogate 50 : 224703
 Internal Std 50 : 224704
 Reagents:

MOH : 223545
 O-1078 Page 132 of 200
 Runlog-MSVOA6 1/1/1/22

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2200096
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2200096-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5578.D	09/08/2022 10:35
02	RC2200096-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5579.D	09/08/2022 10:56
03	RC2200096-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5580.D	09/08/2022 11:18
04	RC2200096-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5581.D	09/08/2022 11:40
05	RC2200096-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5582.D	09/08/2022 12:02
06	RC2200096-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5583.D	09/08/2022 12:24
07	RC2200096-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5584.D	09/08/2022 12:46
08	RC2200096-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5585.D	09/08/2022 13:08
09	RC2200096-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5586.D	09/08/2022 13:29

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5885	02	1.000	0.5974	03	2.000	0.7619	04	5.000	0.6684
05	20.000	0.6675	06	50.000	0.655	07	100.000	0.7276	08	150.000	0.7513
09	200.000	0.7549									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9224	02	1.000	0.8318	03	2.000	0.981	04	5.000	0.9196
05	20.000	0.8881	06	50.000	0.8907	07	100.000	0.9295	08	150.000	0.9231
09	200.000	0.9034									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4807	02	1.000	0.4381	03	2.000	0.4588	04	5.000	0.4825
05	20.000	0.4086	06	50.000	0.407	07	100.000	0.4338	08	150.000	0.4469
09	200.000	0.4373									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.511	05	20.000	0.4267	06	50.000	0.4661	07	100.000	0.4646
08	200.000	0.4262									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3607	05	20.000	0.3078	06	50.000	0.3181	07	100.000	0.3199
08	200.000	0.2922									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2818	02	1.000	0.2959	03	2.000	0.2373	04	5.000	0.2618
05	20.000	0.2224	06	50.000	0.226	07	100.000	0.2373	08	150.000	0.2473
09	200.000	0.2535									

ALS Group USA, Corp.
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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2200096
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Toluene-d8											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.412	05	20.000	1.183	06	50.000	1.203	07	100.000	1.211
08	200.000	1.083									
Trichloroethene (TCE)											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3014	02	1.000	0.3341	03	2.000	0.3264	04	5.000	0.3071
05	20.000	0.3006	06	50.000	0.2991	07	100.000	0.3134	08	150.000	0.3122
09	200.000	0.3203									
Vinyl Chloride											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6676	02	1.000	0.6071	03	2.000	0.6884	04	5.000	0.6329
05	20.000	0.6132	06	50.000	0.6229	07	100.000	0.6286	08	150.000	0.613
09	200.000	0.6111									
cis-1,2-Dichloroethene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6387	02	1.000	0.6147	03	2.000	0.5923	04	5.000	0.5489
05	20.000	0.5283	06	50.000	0.5429	07	100.000	0.5539	08	150.000	0.5507
09	200.000	0.5585									
trans-1,2-Dichloroethene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4053	02	1.000	0.5708	03	2.000	0.5484	04	5.000	0.4941
05	20.000	0.4657	06	50.000	0.4562	07	100.000	0.4836	08	150.000	0.4915
09	200.000	0.4806									

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2200096
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	9.7	≤20	0.6858	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	4.4	≤20	0.91	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	6.1	≤20	0.4437	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.6	≤20	0.4589	
Dibromofluoromethane	SURR	Average RF	% RSD	8.0	≤20	0.3197	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	9.9	≤20	0.2515	0.200
Toluene-d8	SURR	Average RF	% RSD	9.8	≤20	1.218	
Trichloroethene (TCE)	TRG	Average RF	% RSD	3.9	≤20	0.3127	0.200
Vinyl Chloride	TRG	Average RF	% RSD	4.4	≤20	0.6316	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	6.5	≤20	0.5699	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	10.0	≤20	0.4884	0.100

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2200096
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2200096-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\090822\B5590.D	09/08/2022 14:57

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	53.6	6.858E-1	7.35E-1	7.17	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.4	9.1E-1	9.898E-1	8.78	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	54.0	4.437E-1	4.794E-1	8.04	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.3	2.515E-1	2.578E-1	2.51	±30	Average RF
Trichloroethene (TCE)	50.0	52.9	3.127E-1	3.308E-1	5.78	±30	Average RF
Vinyl Chloride	50.0	45.9	6.316E-1	5.801E-1	-8.158	±30	Average RF
cis-1,2-Dichloroethene	50.0	50.5	5.699E-1	5.756E-1	1.01	±30	Average RF
trans-1,2-Dichloroethene	50.0	50.8	4.884E-1	4.963E-1	1.61	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.2	4.589E-1	4.606E-1	0.378	±30	Average RF
Dibromofluoromethane	50.0	50.2	3.197E-1	3.209E-1	0.349	±30	Average RF
Toluene-d8	50.0	50.0	1.218E0	1.218E0	-0.028	±30	Average RF

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/19/22 22:16

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\091922\B5923.D\
Signal ID: 1

Calibration Date: 9/8/2022
Calibration ID: RC2200096
Analysis Lot: 777922
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	41.1	0.6858	0.5639	-17.8	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	44.8	0.91	0.8156	-10.4	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	40.4	0.4437	0.3581	-19.3	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	36.9	0.2515	0.1858	-26.1*	NA	±20	Average RF
Trichloroethene (TCE)	50.0	40.9	0.3127	0.2559	-18.2	NA	±20	Average RF
Vinyl Chloride	50.0	41.2	0.6316	0.52	-17.7	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	44.5	0.5699	0.5067	-11.1	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	42.7	0.4884	0.4172	-14.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.9	0.4589	0.4759	3.7	NA	±20	Average RF
Dibromofluoromethane	50.0	51.3	0.3197	0.3278	2.5	NA	±20	Average RF
Toluene-d8	50.0	51.8	1.2183	1.2626	3.6	NA	±20	Average RF

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QA/QC Report

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

Service Request:R2208645

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:777922
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\091922\B5922.D\	ZZZZZZZZ	ZZZZZZZZ	9/19/2022	21:54:00	
I:\ACQUDATA\msvoa10\data\091922\B5923.D\	Continuing Calibration Verification	RQ2211277-02	9/19/2022	22:16:00	
I:\ACQUDATA\msvoa10\data\091922\B5924.D\	Lab Control Sample	RQ2211277-03	9/19/2022	22:38:00	
I:\ACQUDATA\msvoa10\data\091922\B5927.D\	Method Blank	RQ2211277-04	9/19/2022	23:43:00	
I:\ACQUDATA\msvoa10\data\091922\B5928.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	00:05:00	
I:\ACQUDATA\msvoa10\data\091922\B5929.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	00:27:00	
I:\ACQUDATA\msvoa10\data\091922\B5930.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	00:49:00	
I:\ACQUDATA\msvoa10\data\091922\B5931.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	01:11:00	
I:\ACQUDATA\msvoa10\data\091922\B5932.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	01:32:00	
I:\ACQUDATA\msvoa10\data\091922\B5933.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	01:54:00	
I:\ACQUDATA\msvoa10\data\091922\B5934.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	02:16:00	
I:\ACQUDATA\msvoa10\data\091922\B5935.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	02:38:00	
I:\ACQUDATA\msvoa10\data\091922\B5936.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	03:00:00	
I:\ACQUDATA\msvoa10\data\091922\B5937.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	03:22:00	
I:\ACQUDATA\msvoa10\data\091922\B5938.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	03:43:00	
I:\ACQUDATA\msvoa10\data\091922\B5939.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	04:05:00	
I:\ACQUDATA\msvoa10\data\091922\B5940.D\	ZZZZZZZZ	ZZZZZZZZ	9/20/2022	04:27:00	
I:\ACQUDATA\msvoa10\data\091922\B5941.D\	TB-091322	R2208645-001	9/20/2022	04:49:00	
I:\ACQUDATA\msvoa10\data\091922\B5942.D\	FB-091222	R2208645-004	9/20/2022	05:11:00	
I:\ACQUDATA\msvoa10\data\091922\B5943.D\	FB-091322	R2208645-012	9/20/2022	05:32:00	
I:\ACQUDATA\msvoa10\data\091922\B5944.D\	DMW3-091222	R2208645-002	9/20/2022	05:54:00	
I:\ACQUDATA\msvoa10\data\091922\B5945.D\	MW13-091222	R2208645-003	9/20/2022	06:16:00	
I:\ACQUDATA\msvoa10\data\091922\B5946.D\	TMP-A-091322	R2208645-006	9/20/2022	06:38:00	

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QA/QC Report

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

Service Request:R2208645

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:777922
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\091922 \B5947.D\	MW10-091322	R2208645-008	9/20/2022	07:00:00	
I:\ACQUDATA\msvoa10\data\091922 \B5948.D\	TMP-A-091322 MS	RQ2211277-05	9/20/2022	07:22:00	
I:\ACQUDATA\msvoa10\data\091922 \B5949.D\	TMP-A-091322 DMS	RQ2211277-06	9/20/2022	07:43:00	

Analysis: 8260 Analyst: F. Hester pH strips: 224921 Tune Method: W090822-M
 Date: 9/19/22 #2 Balance ID: --- ResCl strips: 1230205 Run Method: ↓
 Instr: MS10 50 mL Class A used for dilution FV Syringes: 179417/218709 LIMS Run#: 777922
 Data Path: j:\acq\data\msvoa\InstID\Date)

Pos.	Sample	Diln.	Diln. Prep/	RL	Vial	HS	CI	pH	File#	OK?	Comments
29	BLK								85921	Y	
30	TUPE								22	Y	
31	CCV								23	Y	
32	LES-FP								24	Y	
33	Blue								25	Y	
34	MBLK-WUP								26	Y	
35	MBLK-FP								27	Y	
36	R2208732-010	1.0		6813	1	2	-	42	28	Y	
37		-011	1.0		1	2	-	42	29	Y	
38		-012	1.0		1	2	-	42	30	Y	
39		-013	1.0		1	2	-	42	31	Y	
40		-001	1.0		1	2	-	42	32	Y	
41		-002	1.0		1	2	-	42	33	Y	
42		-003	1.0		1	2	-	42	34	Y	
43		-004	1.0		1	2	-	42	35	Y	
44		-005	1.0		1	2	-	42	36	Y	
45		-006	1.0		1	2	-	42	37	Y	
46		-007	1.0		1	2	-	42	38	Y	
47		-008	1.0		1	2	-	42	39	Y	
48		-009	1.0		1	2	-	42	40	Y	
49	R2208645-001	1.0		6646	1	2	-	42	41	Y	
50		-004	1.0		1	2	-	42	42	Y	
51		-012	1.0		1	2	-	42	43	Y	
52		-002	1.0		1	2	-	42	44	Y	
53		-003	1.0		1	2	-	42	45	Y	
54		-006	1.0		1	2	-	42	46	Y	
55		-008	1.0		1	2	-	42	47	Y	
56		-004M5	1.0		2	2	-	42	48	Y	
57		-006M5D	1.0		3	2	-	42	49	Y	
58	BLK								50	Y	
59									51	Y	
60									52	Y	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged
 Primary 500 224705 - 5uL 500 224780 - 5uL -12.5u Surrogate 50 : 224703
 Primary 500 224773 - 5uL 225013 - 5uL 500 Internal Std 50 : 224704
 Primary 500 224936 - 5uL 224808 - 5uL 500 Reagents: ---
 Primary 500 223940 - 5uL 223947 - 5uL 500

ALS Group USA, Corp.
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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 10:10
Date Received: 09/14/22 08:15

Sample Name: MW11-091322
Lab Code: R2208645-005

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)	0.71 J	1.0	0.20	1	09/16/22 17:22	
1,1-Dichloroethane (1,1-DCA)	0.24 J	1.0	0.20	1	09/16/22 17:22	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 17:22	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/16/22 17:22	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/16/22 17:22	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/16/22 17:22	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/16/22 17:22	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/16/22 17:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/16/22 17:22	
Dibromofluoromethane	99	80 - 116	09/16/22 17:22	
Toluene-d8	101	87 - 121	09/16/22 17:22	

ALS Group USA, Corp.
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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 10:55
Date Received: 09/14/22 08:15

Sample Name: MW-9-091322
Lab Code: R2208645-007

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)	0.45 J	1.0	0.20	1	09/16/22 17:43	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/16/22 17:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 17:43	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/16/22 17:43	
Trichloroethene (TCE)	7.4	1.0	0.20	1	09/16/22 17:43	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/16/22 17:43	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/16/22 17:43	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/16/22 17:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/16/22 17:43	
Dibromofluoromethane	99	80 - 116	09/16/22 17:43	
Toluene-d8	103	87 - 121	09/16/22 17:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:30
Date Received: 09/14/22 08:15

Sample Name: MW17-091322
Lab Code: R2208645-009

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)	1.8	1.0	0.20	1	09/16/22 18:05	
1,1-Dichloroethane (1,1-DCA)	24	1.0	0.20	1	09/16/22 18:05	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 18:05	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/16/22 18:05	
Trichloroethene (TCE)	7.5	1.0	0.20	1	09/16/22 18:05	
Vinyl Chloride	0.38 J	1.0	0.20	1	09/16/22 18:05	
cis-1,2-Dichloroethene	27	1.0	0.23	1	09/16/22 18:05	
trans-1,2-Dichloroethene	1.6	1.0	0.20	1	09/16/22 18:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/16/22 18:05	
Dibromofluoromethane	99	80 - 116	09/16/22 18:05	
Toluene-d8	100	87 - 121	09/16/22 18:05	

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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:30
Date Received: 09/14/22 08:15

Sample Name: MW16-091322
Lab Code: R2208645-010

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)	8.7	1.0	0.20	1	09/16/22 18:27	
1,1-Dichloroethane (1,1-DCA)	37	1.0	0.20	1	09/16/22 18:27	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/16/22 18:27	
Tetrachloroethene (PCE)	0.27 J	1.0	0.21	1	09/16/22 18:27	
Trichloroethene (TCE)	4.8	1.0	0.20	1	09/16/22 18:27	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/16/22 18:27	
cis-1,2-Dichloroethene	9.4	1.0	0.23	1	09/16/22 18:27	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/16/22 18:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/16/22 18:27	
Dibromofluoromethane	98	80 - 116	09/16/22 18:27	
Toluene-d8	100	87 - 121	09/16/22 18:27	

ALS Group USA, Corp.
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Analytical Report

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

Service Request: R2208645
Date Collected: 09/13/22 13:45
Date Received: 09/14/22 08:15

Sample Name: MW8-091322
Lab Code: R2208645-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

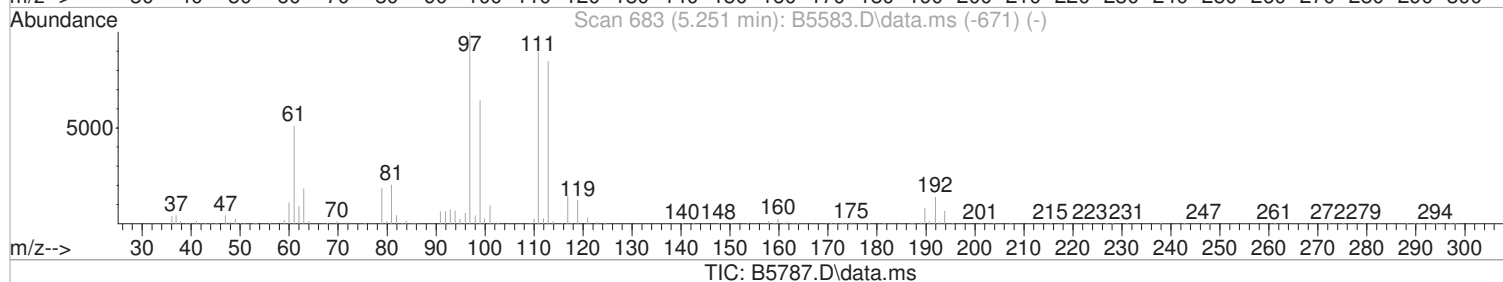
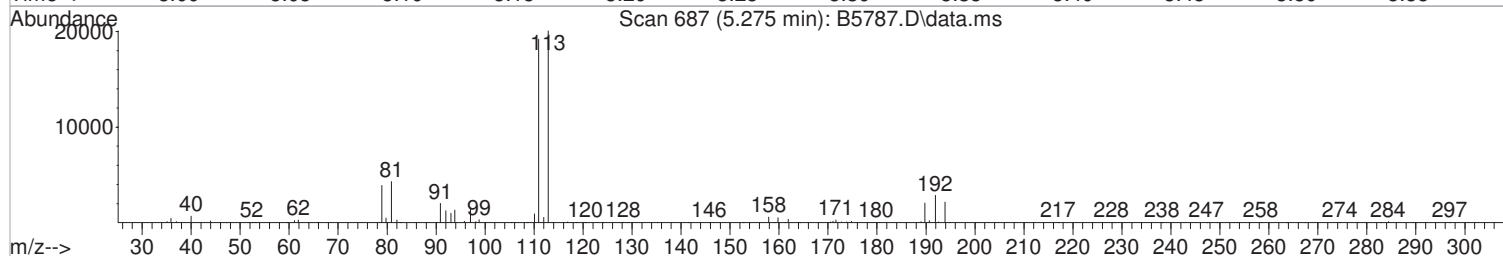
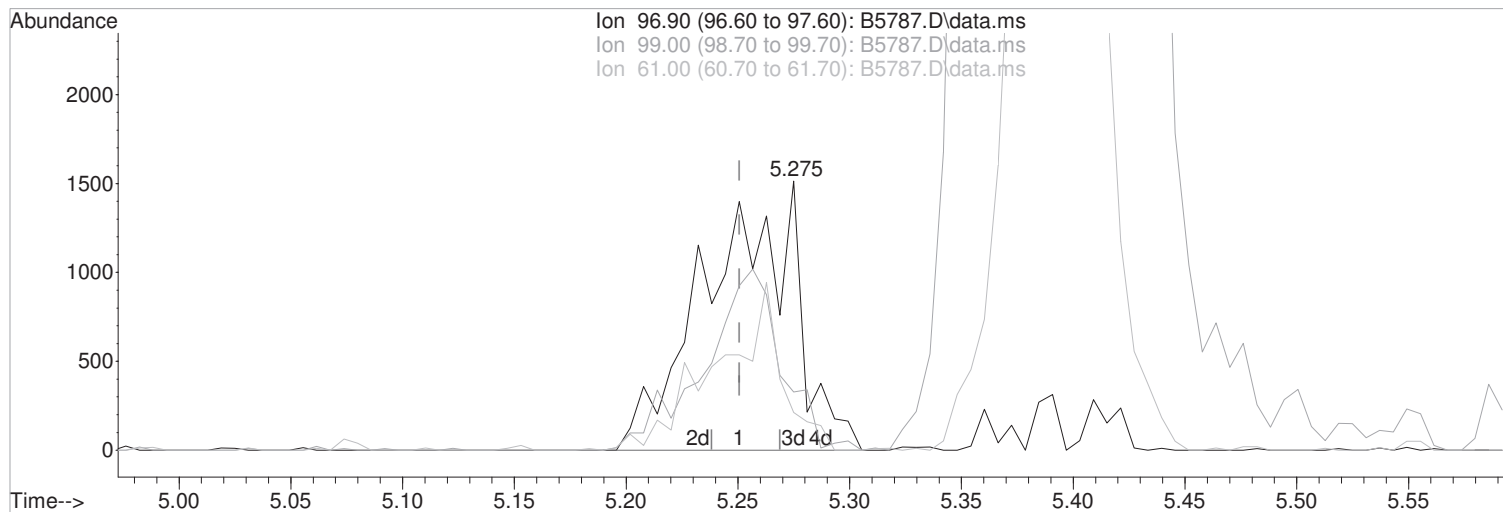
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.97 J	1.0	0.20	1	09/17/22 14:33	
1,1-Dichloroethane (1,1-DCA)	1.3	1.0	0.20	1	09/17/22 14:33	
1,1-Dichloroethene (1,1-DCE)	1.1	1.0	0.20	1	09/17/22 14:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/22 14:33	
Trichloroethene (TCE)	150	1.0	0.20	1	09/17/22 14:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/22 14:33	
cis-1,2-Dichloroethene	160	1.0	0.23	1	09/17/22 14:33	
trans-1,2-Dichloroethene	0.32 J	1.0	0.20	1	09/17/22 14:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/17/22 14:33	
Dibromofluoromethane	102	80 - 116	09/17/22 14:33	
Toluene-d8	102	87 - 121	09/17/22 14:33	

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5787.D
Acq On : 16 Sep 2022 5:22 pm
Operator : F.NAEGLER
Sample : R2208645-005|1.0
Misc : VCG 7979 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:17 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



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

5.275min (+0.024) 0.71 ug/L m

response 4268

Ion	Exp%	Act%
96.90	100	100
99.00	64.20	21.68#
61.00	51.10	14.01#
0.00	0.00	0.00

Manual Integration:

After

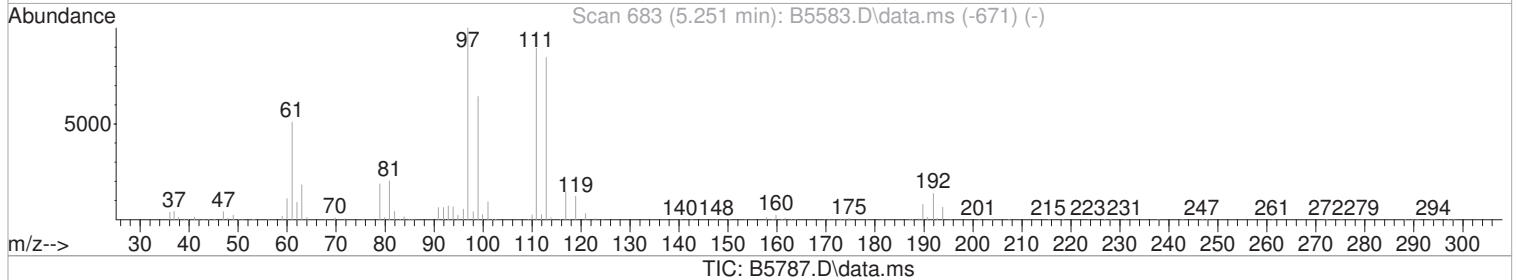
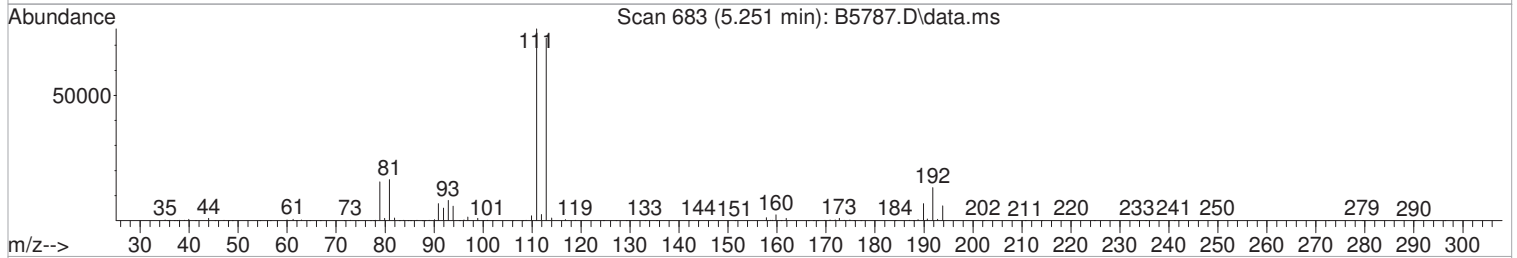
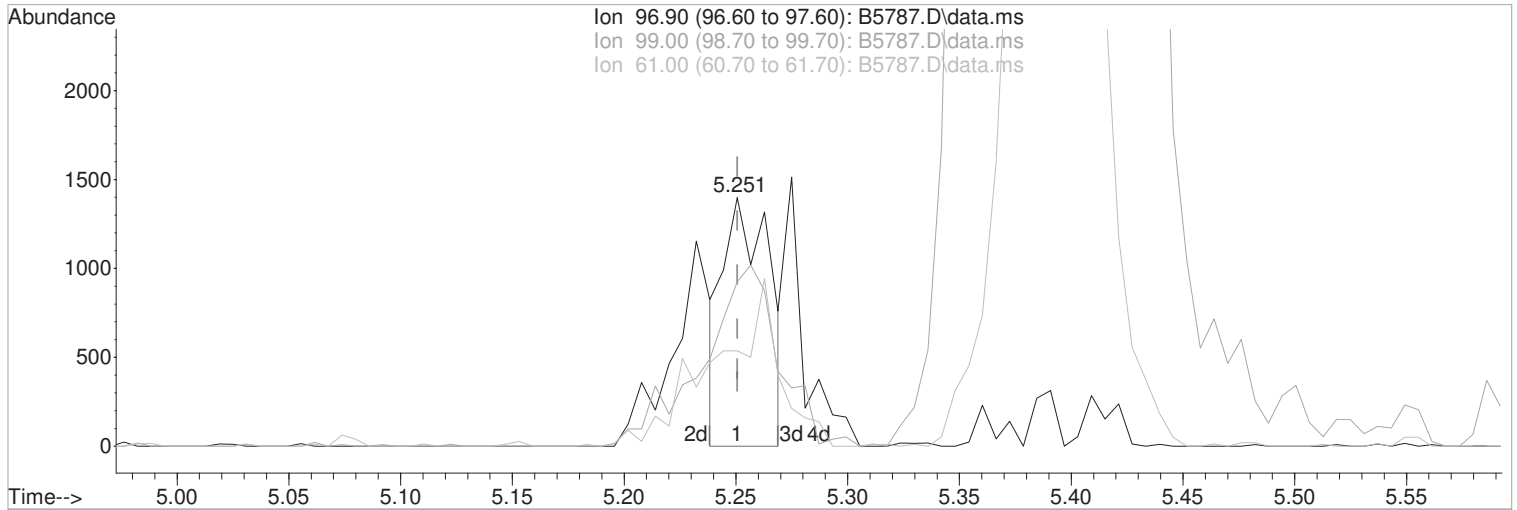
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5787.D
Acq On : 16 Sep 2022 5:22 pm
Operator : F.NAEGLER
Sample : R2208645-005|1.0
Misc : VCG 7979 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:17 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



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

Manual Integration:

5.251min (-0.000) 0.34 ug/L

Before

response 2008

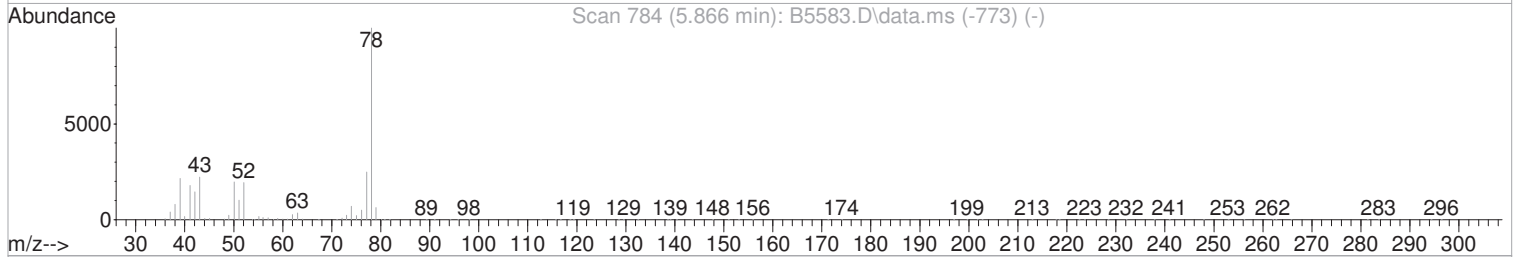
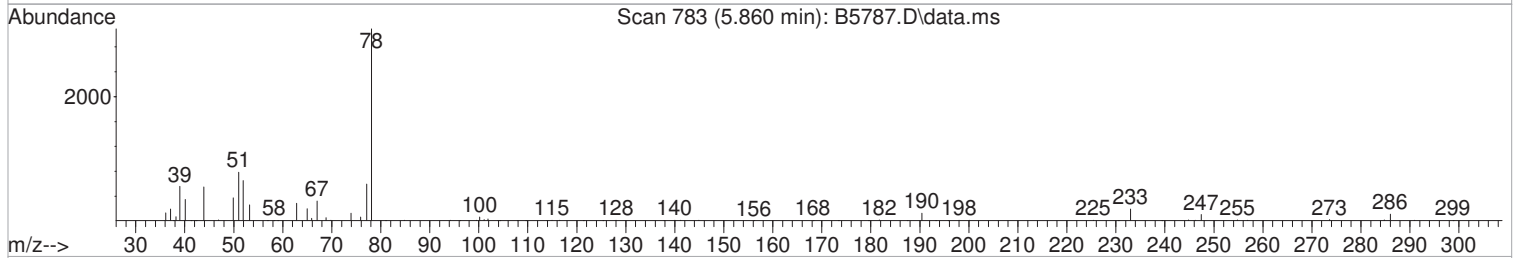
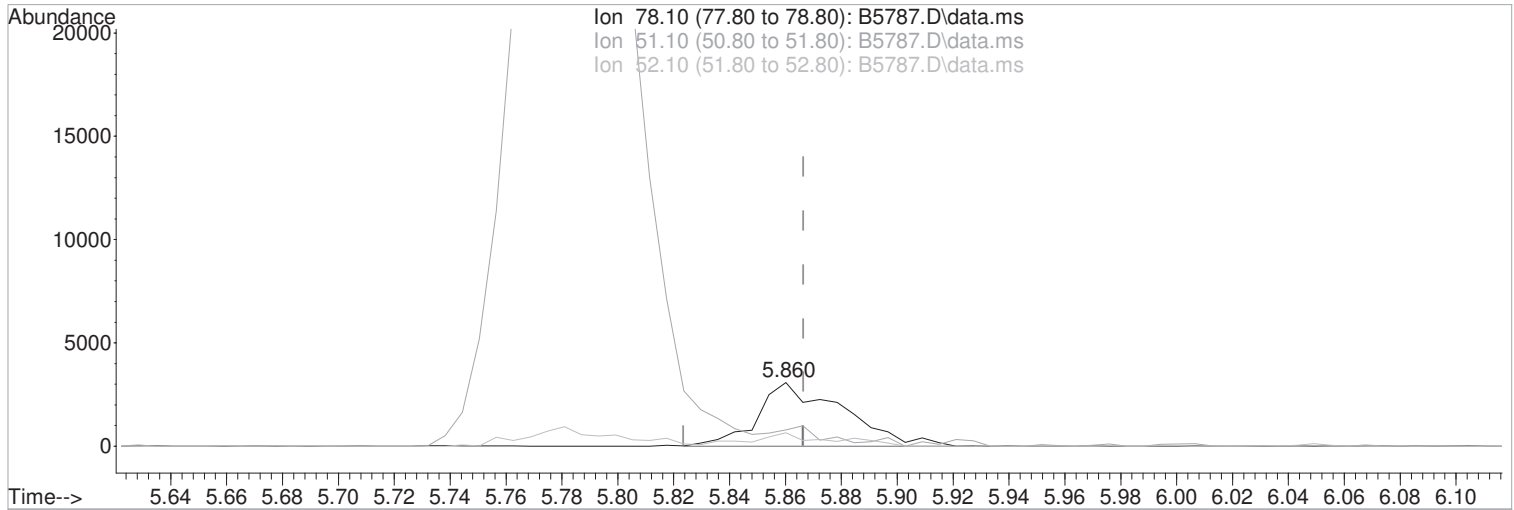
Ion	Exp%	Act%
96.90	100	100
99.00	64.20	66.12
61.00	51.10	38.31
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5787.D
Acq On : 16 Sep 2022 5:22 pm
Operator : F.NAEGLER
Sample : R2208645-005|1.0
Misc : VCG 7979 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:17 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5787.D\data.ms

(48) Benzene (P)

5.860min (-0.006) 0.38 ug/L m

response 6557

Ion	Exp%	Act%
78.10	100	100
51.10	21.40	25.42
52.10	19.70	21.08
0.00	0.00	0.00

Manual Integration:

After

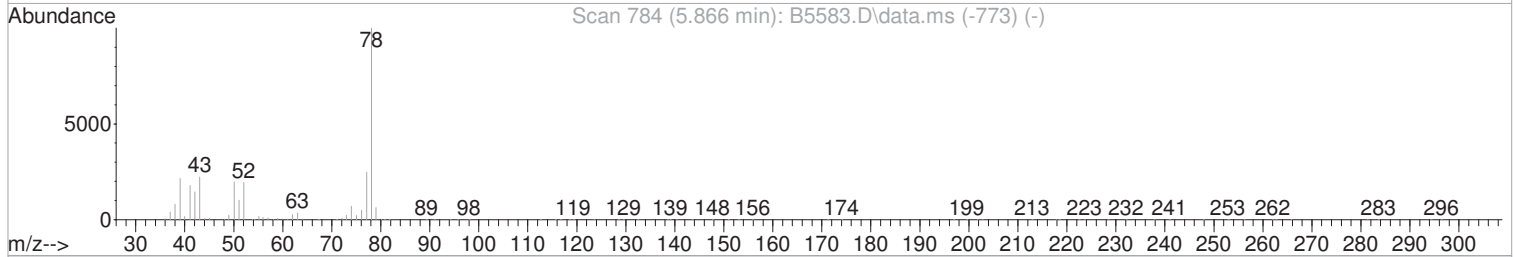
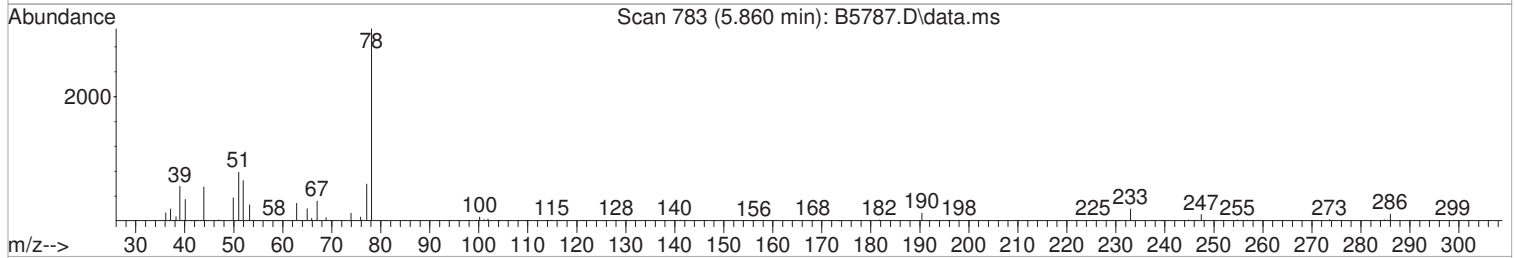
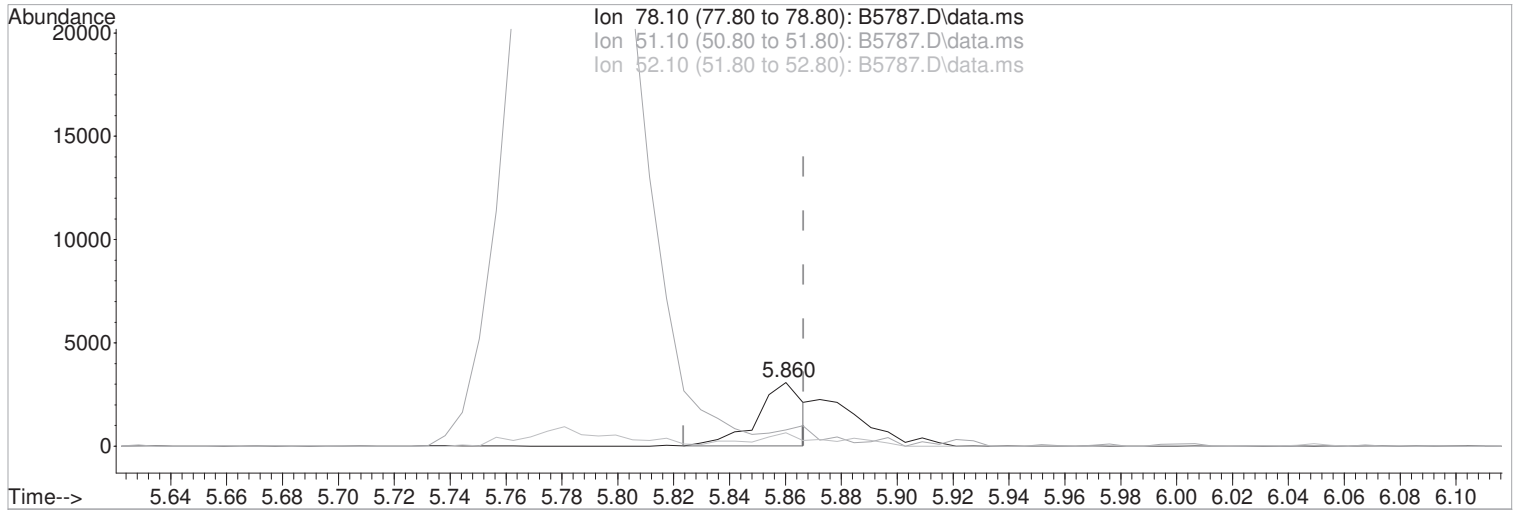
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5787.D
Acq On : 16 Sep 2022 5:22 pm
Operator : F.NAEGLER
Sample : R2208645-005|1.0
Misc : VCG 7979 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:17 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5787.D\data.ms

(48) Benzene (P)

Manual Integration:

5.860min (-0.006) 0.20 ug/L

Before

response 3489

Ion	Exp%	Act%
78.10	100	100
51.10	21.40	25.42
52.10	19.70	21.08
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5787.D
 Acq On : 16 Sep 2022 5:22 pm
 Operator : F.NAEGLER
 Sample : R2208645-005|1.0
 Misc : VCG 7979 T4
 ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 19 15:17:16 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

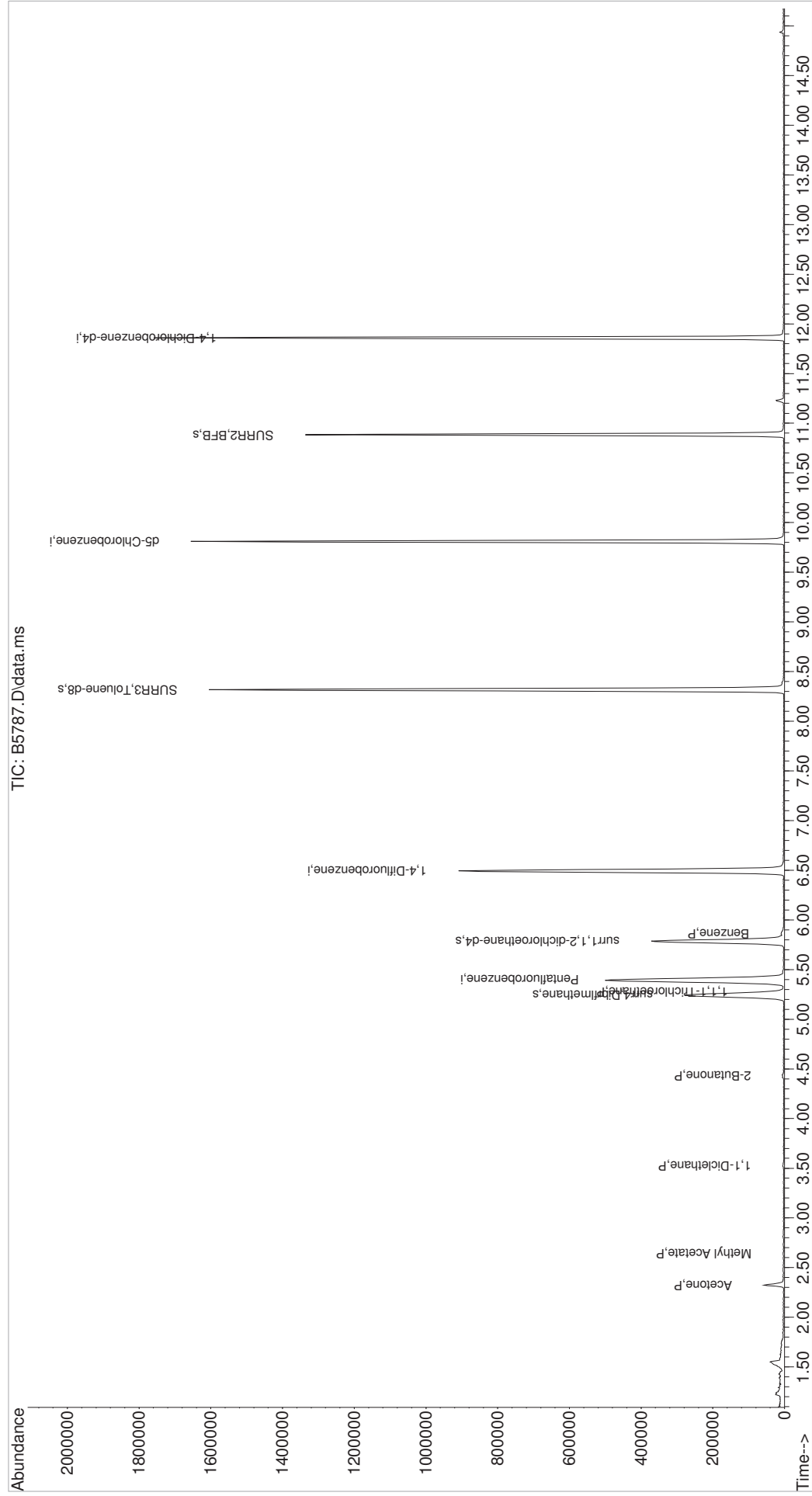
Internal Standards						
1) Pentafluorobenzene	5.397	168	436982	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	744004	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	668108	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	301621	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	235775	49.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	99.12%
47) surr1,1,2-dichloroetha...	5.787	65	314057	51.41	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	102.82%
65) SURR3,Toluene-d8	8.317	98	913600	50.40	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	100.80%
70) SURR2,BFB	10.884	95	323245	47.34	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	94.68%
Target Compounds						
6) Bromomethane	1.574	94	827	Below Cal	Qvalue #	35
16) Acetone	2.324	43	57313	22.19	ug/L	99
22) Methyl Acetate	2.641	43	2175	0.35	ug/L	76
28) 1,1-Dicethane	3.525	63	1942	0.24	ug/L	85
35) 2-Butanone	4.434	43	8470	1.96	ug/L	89
41) 1,1,1-Trichloroethane	5.275	97	4268m	0.71	ug/L	
48) Benzene	5.860	78	6557m	0.38	ug/L	

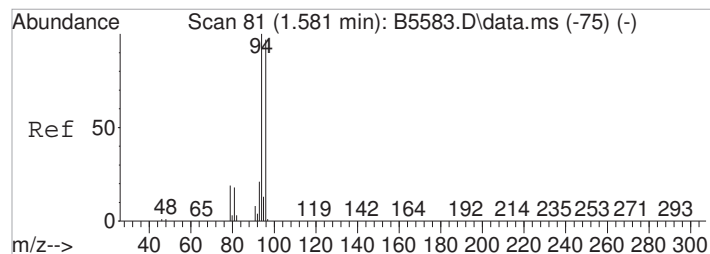
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5787.D
 Acq On : 16 Sep 2022 5:22 pm
 Operator : F.NAEGLER
 Sample : R2208645-005|1.0
 Misc : VCG 7979 T4
 ALS Vial : 20 Sample Multiplier: 1

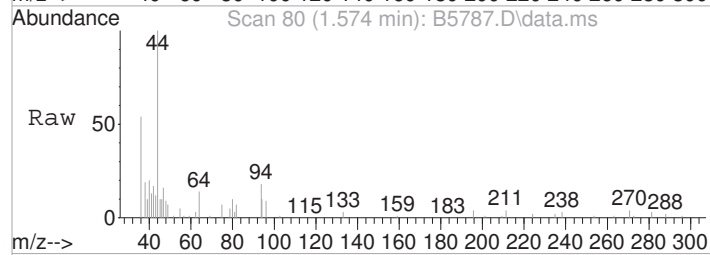
Inst : MSVOA10

Quant Time: Sep 19 15:17:16 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

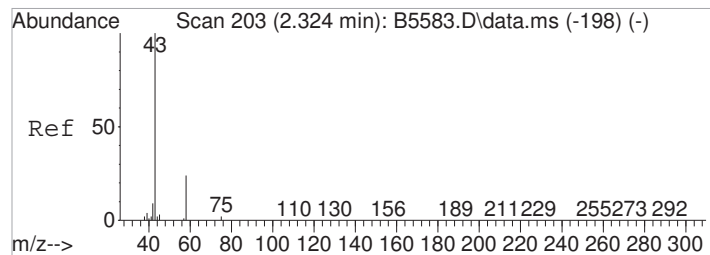
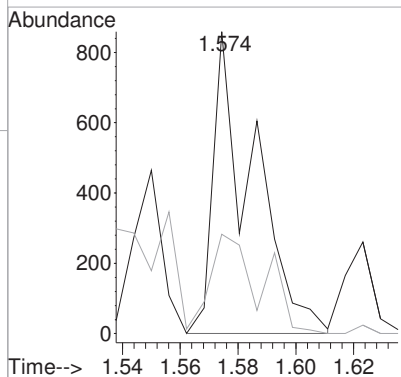
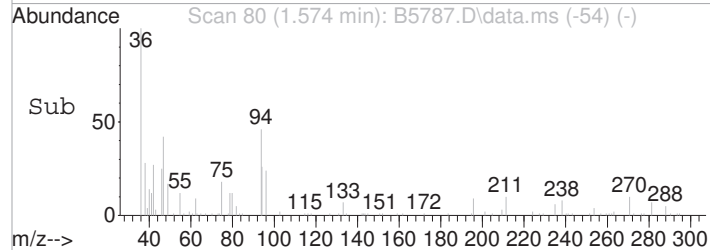




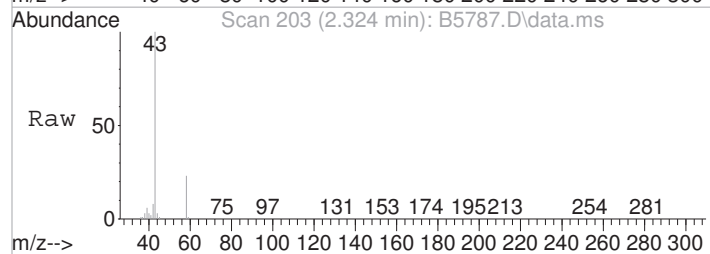
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.574 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: B5787.D
 Acq: 16 Sep 2022 5:22 pm



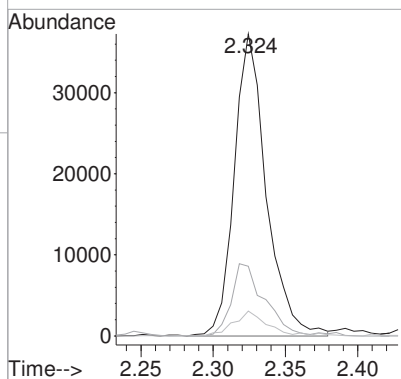
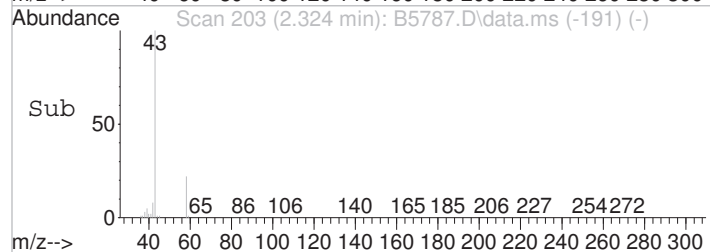
Tgt Ion: 94 Resp: 827
 Ion Ratio Lower Upper
 94 100
 96 32.9 77.0 117.0#

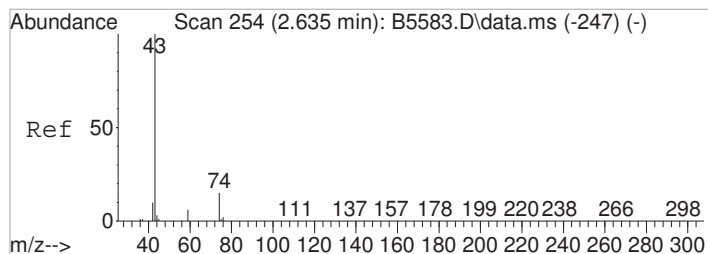


#16
 Acetone
 Concen: 22.19 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B5787.D
 Acq: 16 Sep 2022 5:22 pm



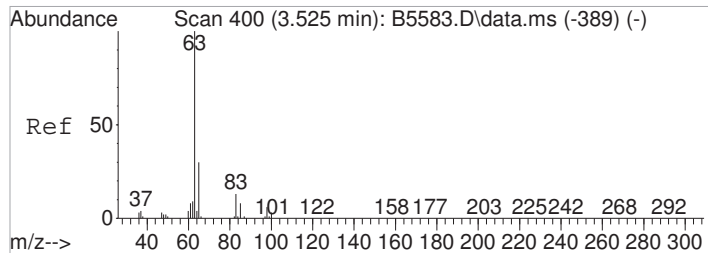
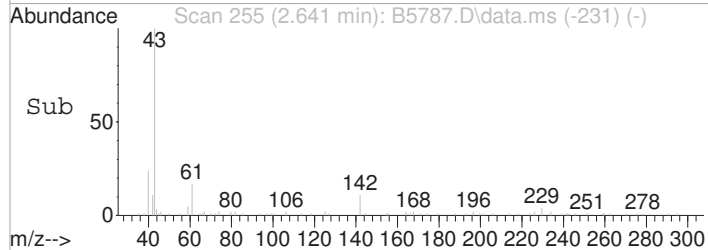
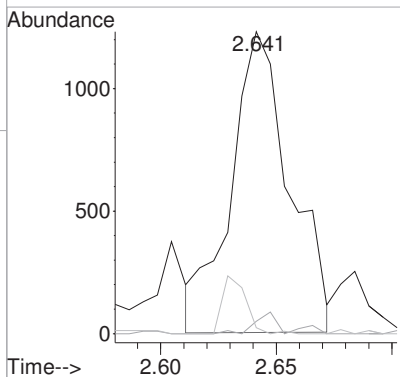
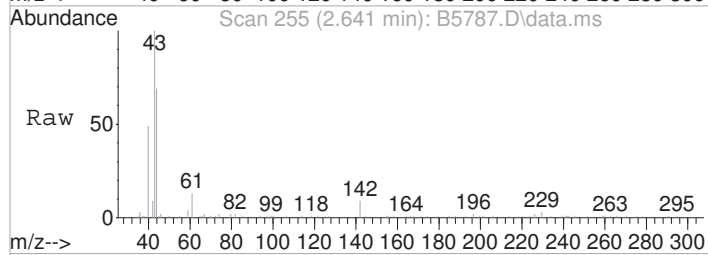
Tgt Ion: 43 Resp: 57313
 Ion Ratio Lower Upper
 43 100
 58 23.0 3.7 43.7
 42 8.2 0.0 28.6





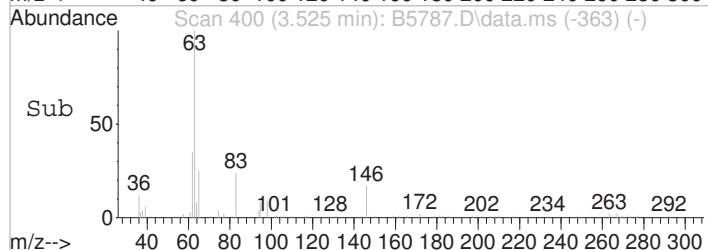
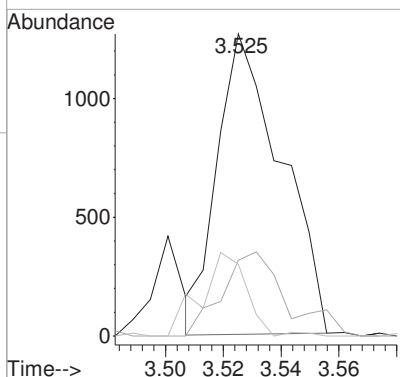
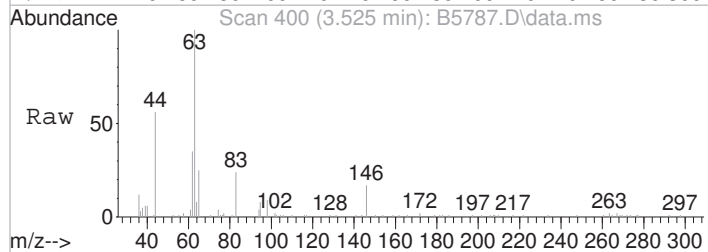
#22
 Methyl Acetate
 Concen: 0.35 ug/L
 RT: 2.641 min Scan# 255
 Delta R.T. 0.006 min
 Lab File: B5787.D
 Acq: 16 Sep 2022 5:22 pm

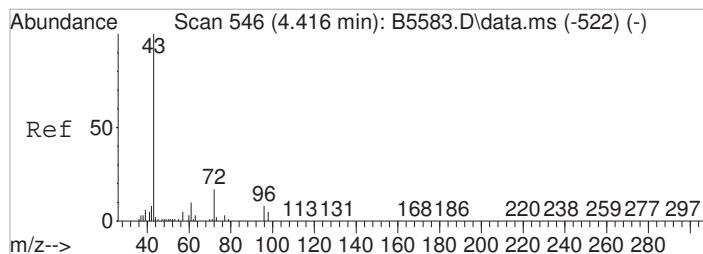
Tgt Ion	Ratio	Lower	Upper
43	100		
59	4.1	0.0	26.1
74	1.9	0.0	35.3



#28
 1,1-Dicethane
 Concen: 0.24 ug/L
 RT: 3.525 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: B5787.D
 Acq: 16 Sep 2022 5:22 pm

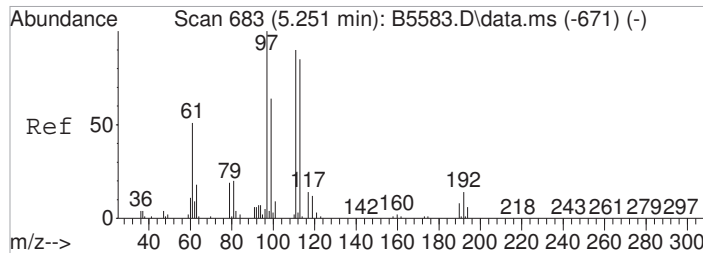
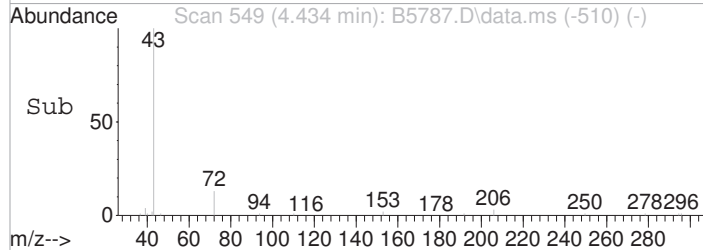
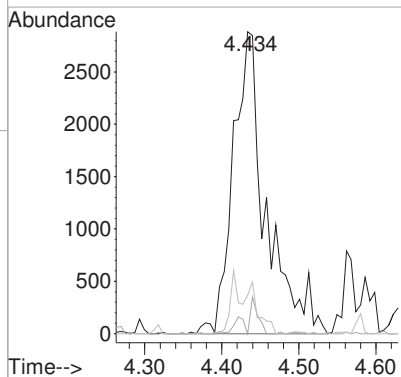
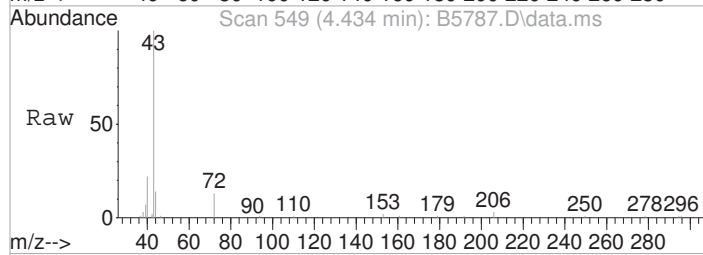
Tgt Ion	Ratio	Lower	Upper
63	100		
65	25.1	10.5	50.5
83	23.7	0.0	33.0





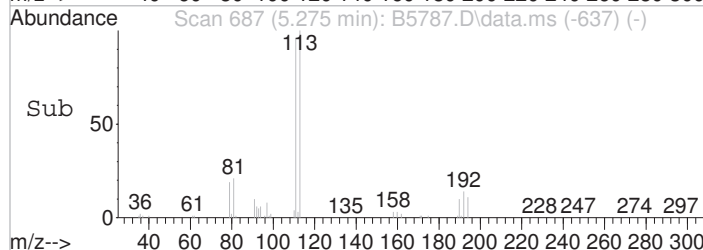
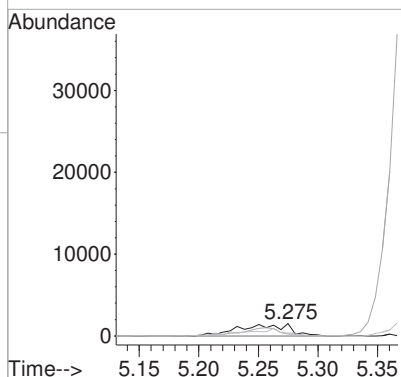
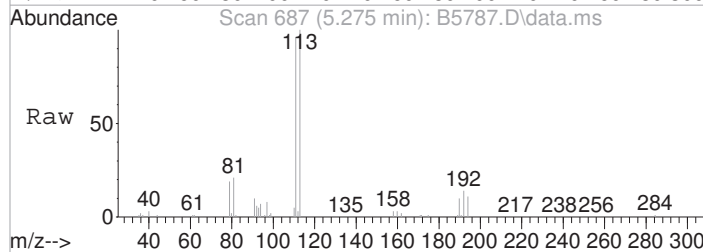
#35
 2-Butanone
 Concen: 1.96 ug/L
 RT: 4.434 min Scan# 549
 Delta R.T. 0.018 min
 Lab File: B5787.D
 Acq: 16 Sep 2022 5:22 pm

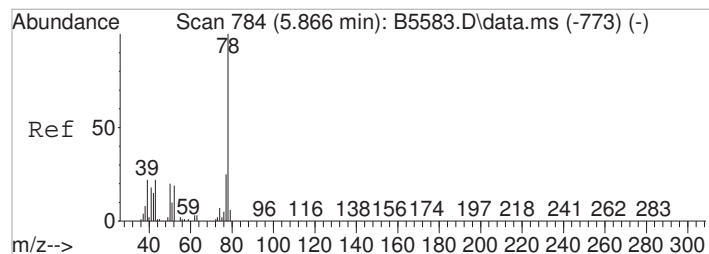
Tgt Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	25.3
72	12.7	0.0	36.8



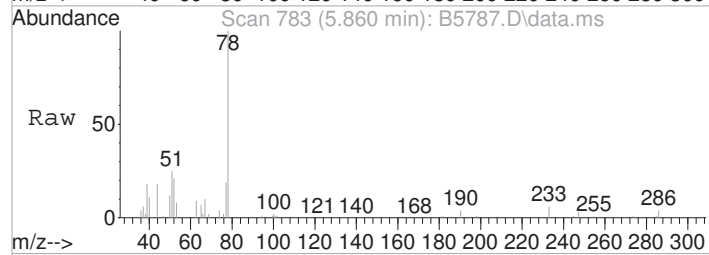
#41
 1,1,1-Trichloroethane
 Concen: 0.71 ug/L m
 RT: 5.275 min Scan# 687
 Delta R.T. 0.024 min
 Lab File: B5787.D
 Acq: 16 Sep 2022 5:22 pm

Tgt Ion	Ratio	Lower	Upper
97	100		
99	21.7	44.2	84.2#
61	14.0	31.1	71.1#

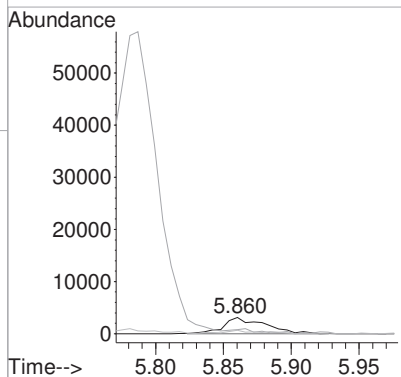
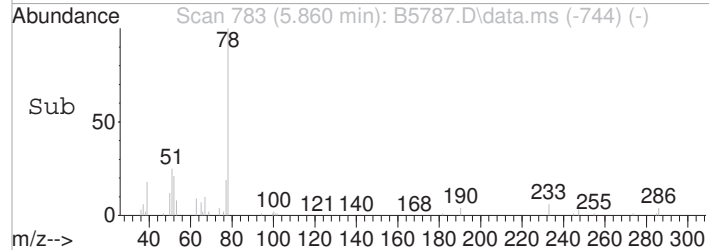




#48
 Benzene
 Concen: 0.38 ug/L m
 RT: 5.860 min Scan# 783
 Delta R.T. -0.006 min
 Lab File: B5787.D
 Acq: 16 Sep 2022 5:22 pm



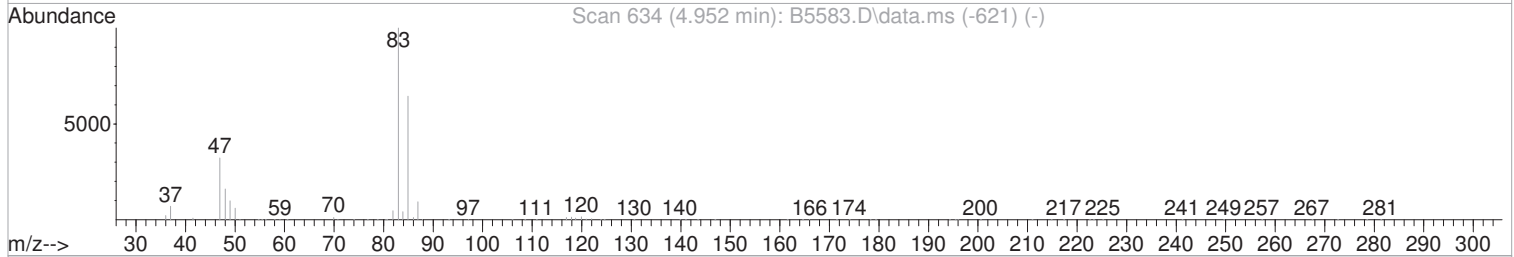
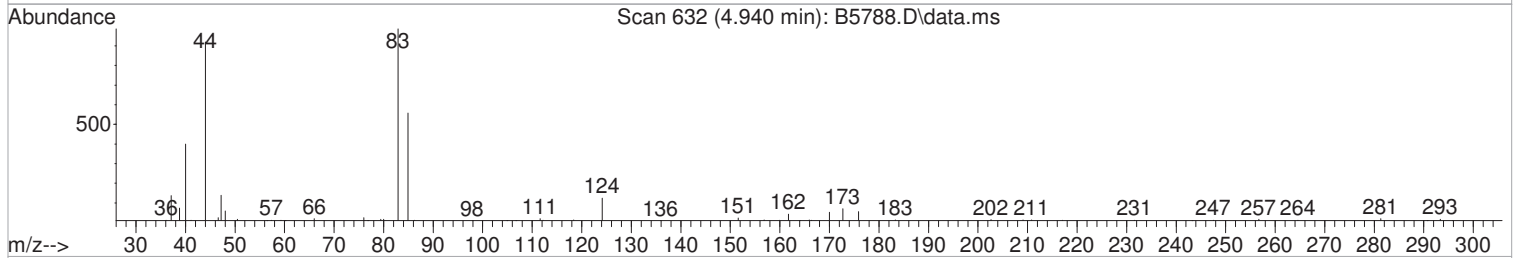
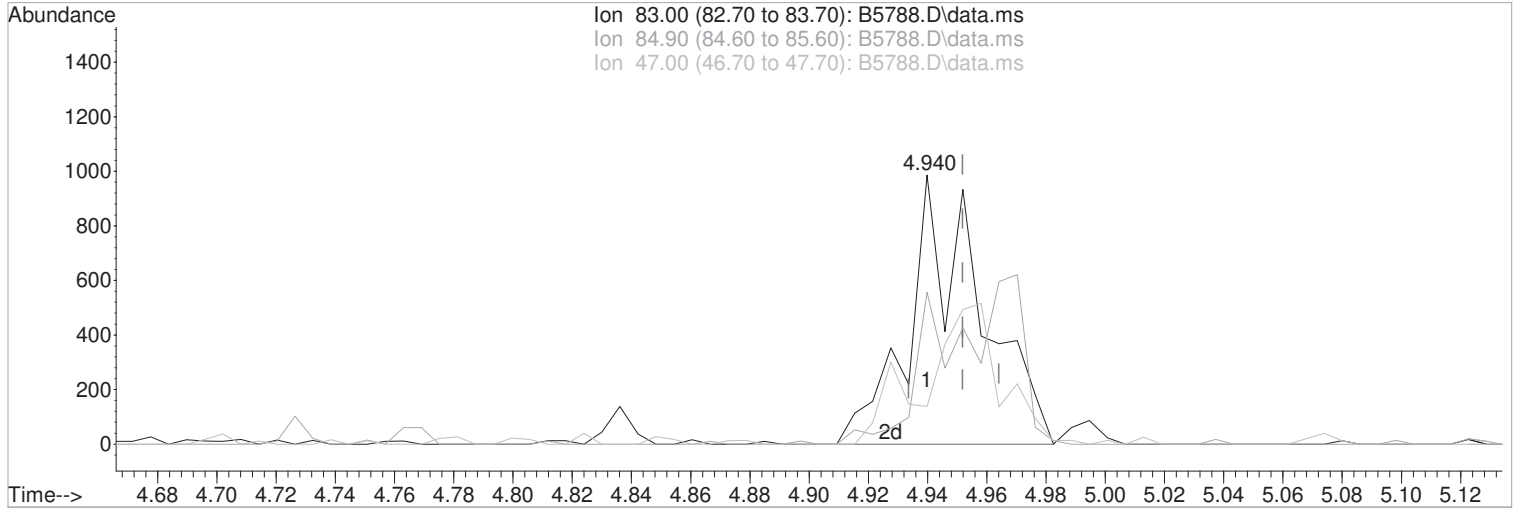
Tgt Ion: 78 Resp: 6557
 Ion Ratio Lower Upper
 78 100
 51 25.4 1.4 41.4
 52 21.1 0.0 39.7



Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5788.D
Acq On : 16 Sep 2022 5:43 pm
Operator : F.NAEGLER
Sample : R2208645-007|1.0
Misc : VCG 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:31 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5788.D\data.ms

(40) Chloroform (P)

4.940min (-0.012) 0.20 ug/L m

response 1646

Ion	Exp%	Act%
83.00	100	100
84.90	64.40	56.49
47.00	32.20	14.00
0.00	0.00	0.00

Manual Integration:

After

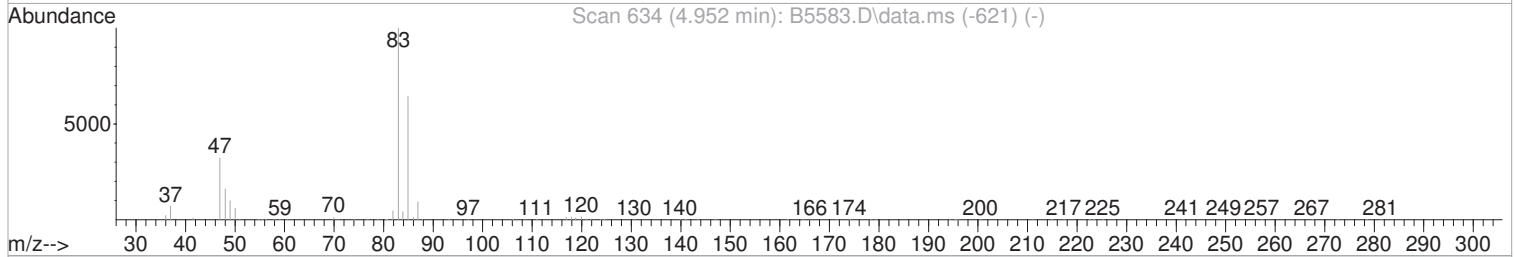
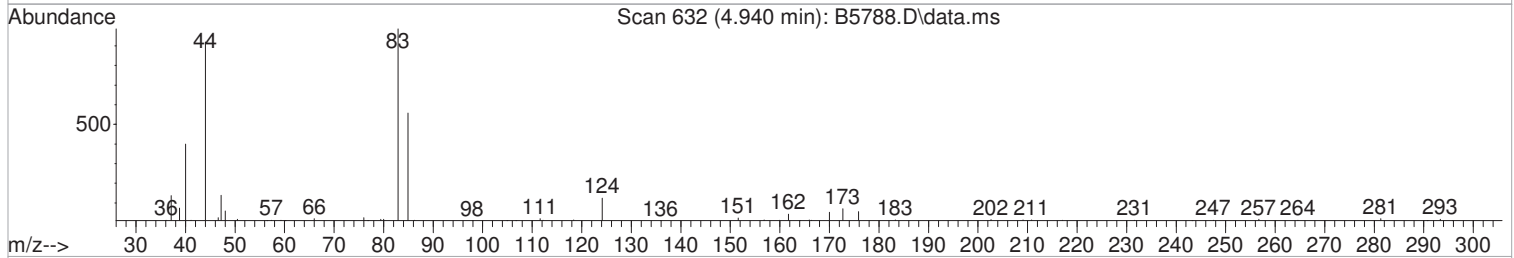
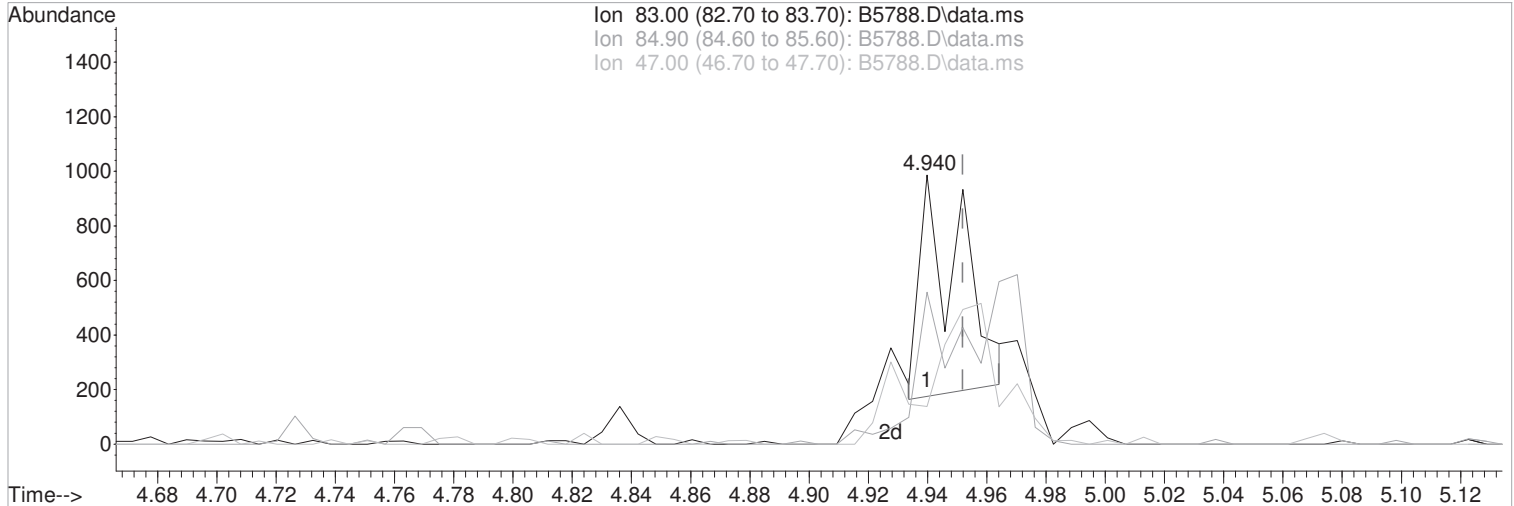
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5788.D
Acq On : 16 Sep 2022 5:43 pm
Operator : F.NAEGLER
Sample : R2208645-007|1.0
Misc : VCG 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:31 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5788.D\data.ms

(40) Chloroform (P)

Manual Integration:

4.940min (-0.012) 0.09 ug/L

Before

response 782

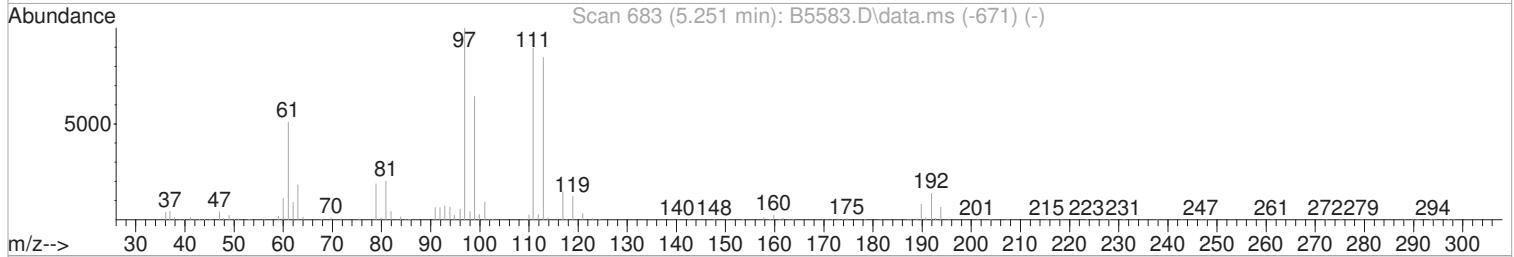
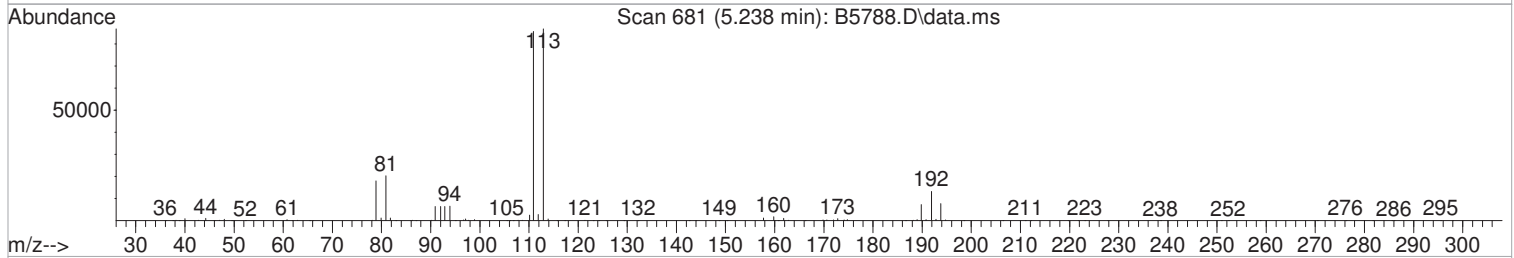
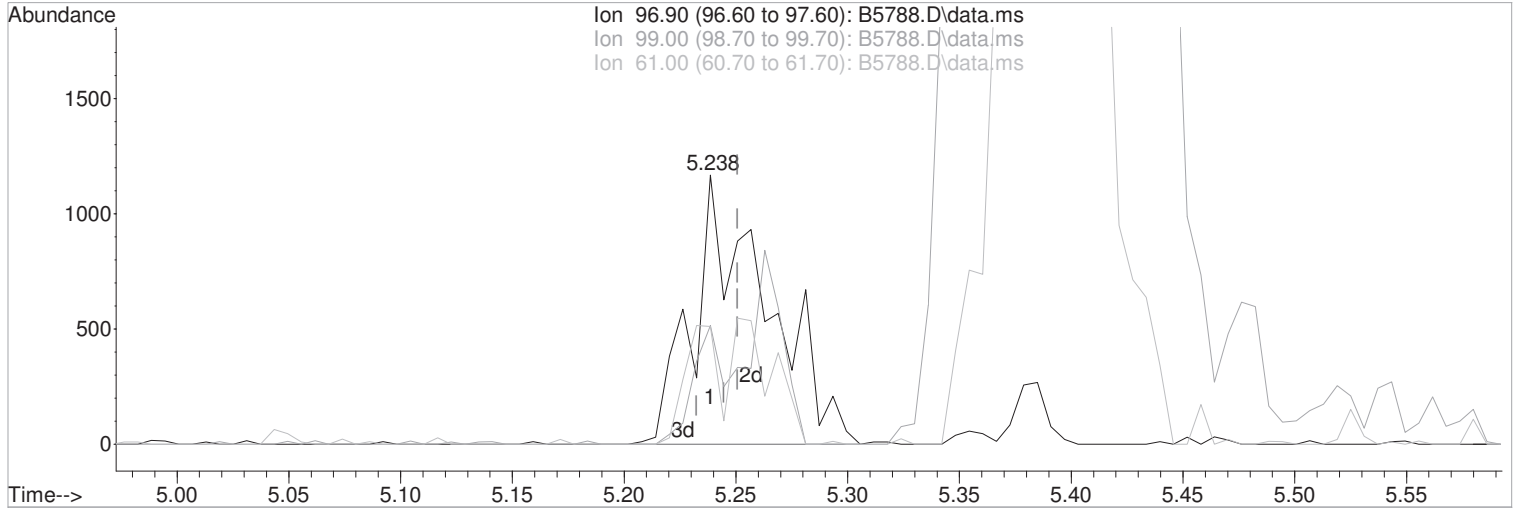
Ion	Exp%	Act%
83.00	100	100
84.90	64.40	56.49
47.00	32.20	14.00
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5788.D
Acq On : 16 Sep 2022 5:43 pm
Operator : F.NAEGLER
Sample : R2208645-007|1.0
Misc : VCG 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:31 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5788.D\data.ms

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

5.238min (-0.012) 0.45 ug/L m

response 2683

Ion	Exp%	Act%
96.90	100	100
99.00	64.20	64.94
61.00	51.10	64.44
0.00	0.00	0.00

Manual Integration:

After

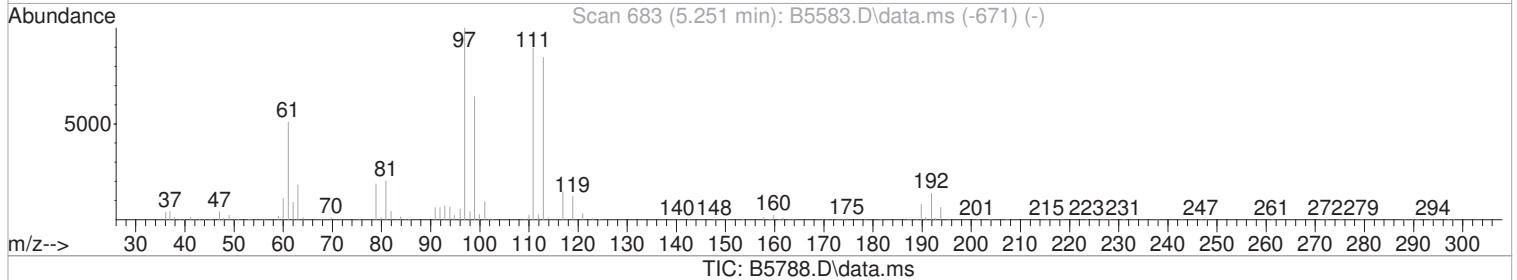
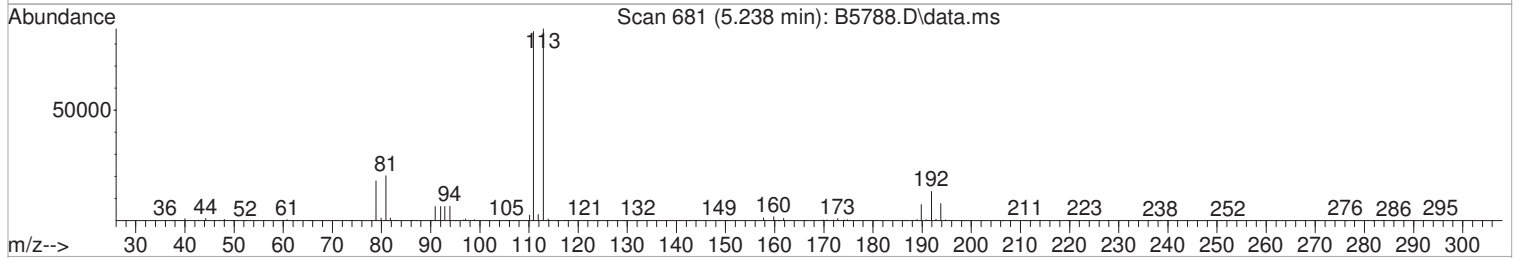
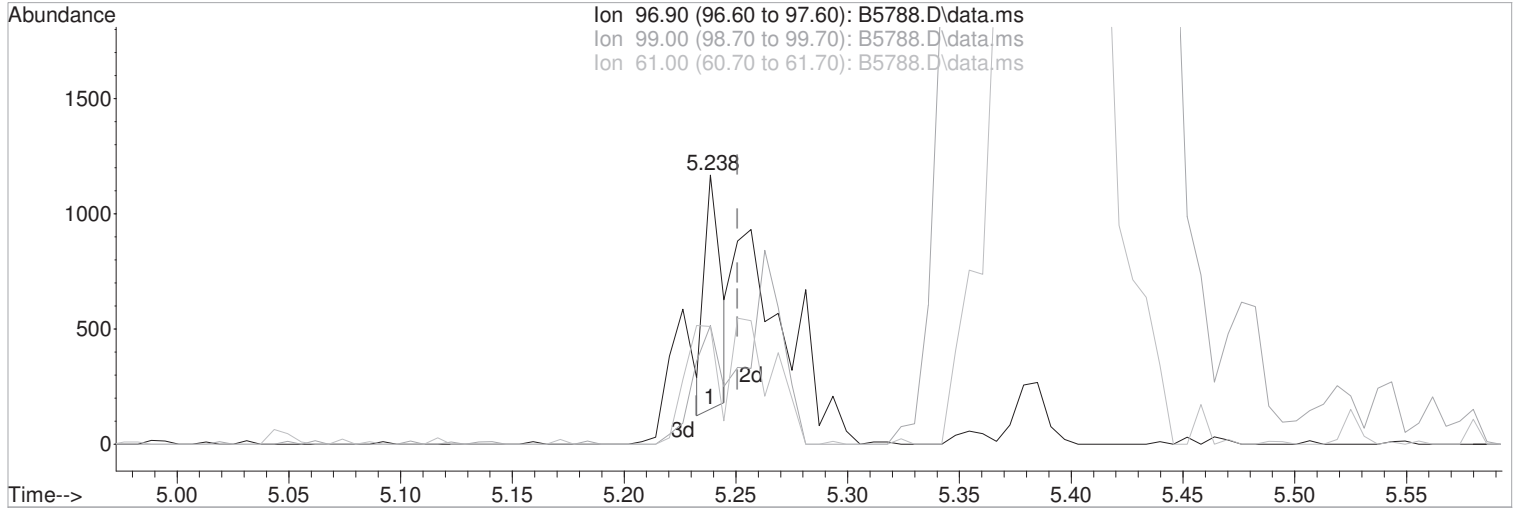
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5788.D
Acq On : 16 Sep 2022 5:43 pm
Operator : F.NAEGLER
Sample : R2208645-007|1.0
Misc : VCG 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:31 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



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

Manual Integration:

5.238min (-0.012) 0.09 ug/L

Before

response 545

Ion	Exp%	Act%
96.90	100	100
99.00	64.20	44.13#
61.00	51.10	43.79
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5788.D
 Acq On : 16 Sep 2022 5:43 pm
 Operator : F.NAEGLER
 Sample : R2208645-007|1.0
 Misc : VCG 7979 T4
 ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 19 15:19:30 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

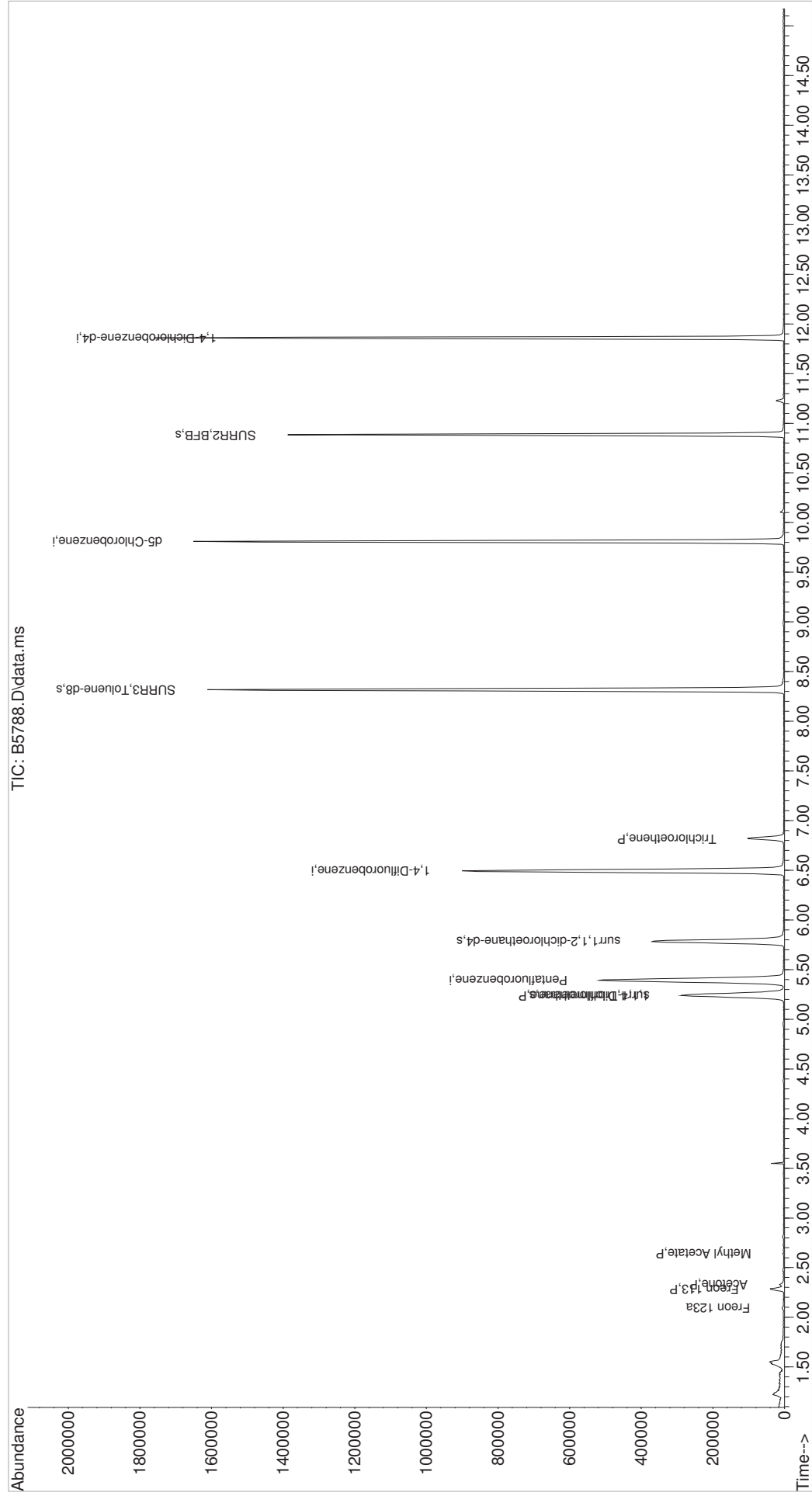
Internal Standards						
1) Pentafluorobenzene	5.391	168	437546	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	748185	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	679653	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	307550	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.238	113	236720	49.48	ug/L	-0.01
Spiked Amount	50.000	Range 80 - 116	Recovery	=	98.96%	
47) surr1,1,2-dichloroetha...	5.781	65	320635	52.19	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	104.38%	
65) SURR3,Toluene-d8	8.317	98	937548	51.43	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	102.86%	
70) SURR2,BFB	10.884	95	332384	48.40	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	96.80%	
Target Compounds						
6) Bromomethane	1.587	94	572	Below Cal	Qvalue #	78
11) Freon 123a	2.093	67	1676	0.31	ug/L	97
15) Freon 113	2.282	101	13233	3.14	ug/L	88
16) Acetone	2.331	43	10949	4.23	ug/L	94
22) Methyl Acetate	2.641	43	1372	0.22	ug/L	91
41) 1,1,1-Trichloroethane	5.238	97	2683m	0.45	ug/L	
54) Trichloroethene	6.817	130	34553	7.38	ug/L	88

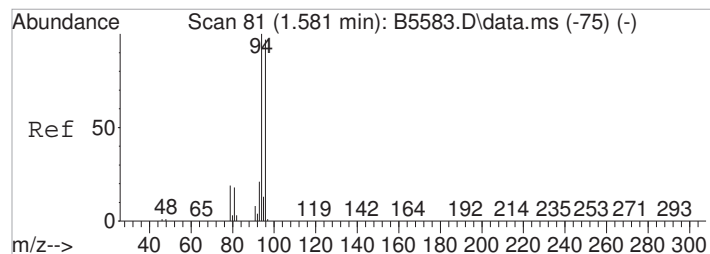
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5788.D
 Acq On : 16 Sep 2022 5:43 pm
 Operator : F.NAEGLER
 Sample : R2208645-007|1.0
 Misc : VCG 7979 T4
 ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

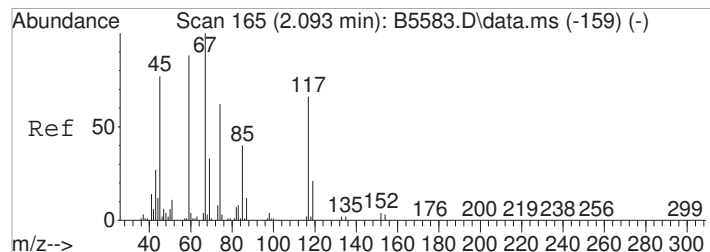
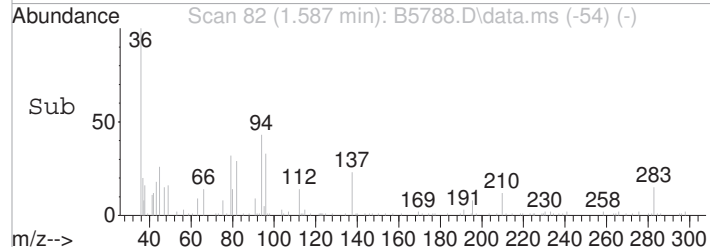
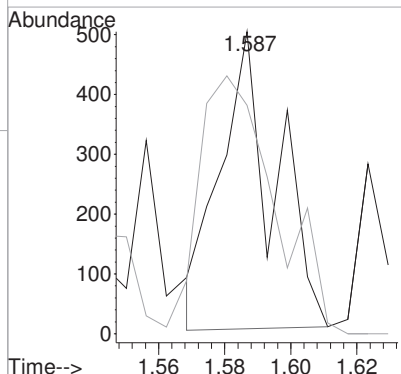
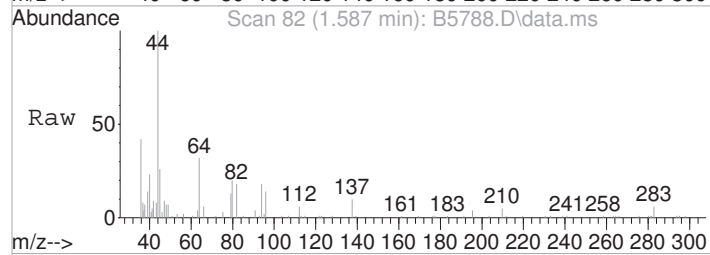
Quant Time: Sep 19 15:19:30 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





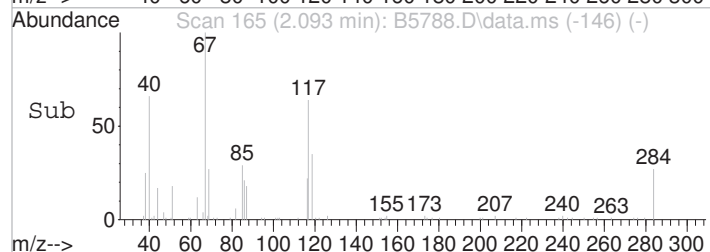
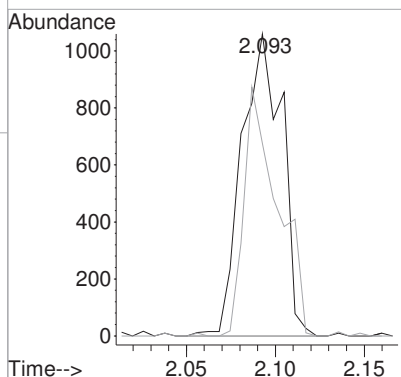
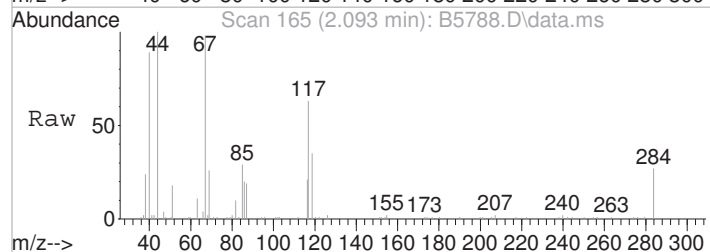
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: B5788.D
 Acq: 16 Sep 2022 5:43 pm

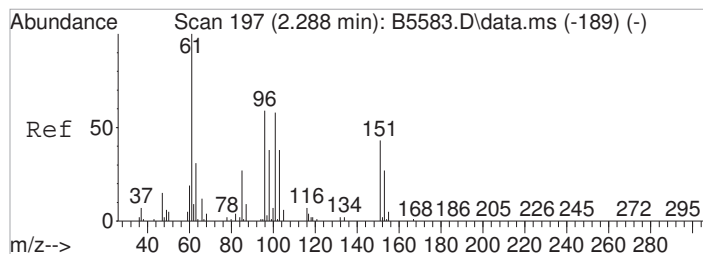
Tgt Ion: 94 Resp: 572
 Ion Ratio Lower Upper
 94 100
 96 75.6 77.0 117.0#



#11
 Freon 123a
 Concen: 0.31 ug/L
 RT: 2.093 min Scan# 165
 Delta R.T. -0.000 min
 Lab File: B5788.D
 Acq: 16 Sep 2022 5:43 pm

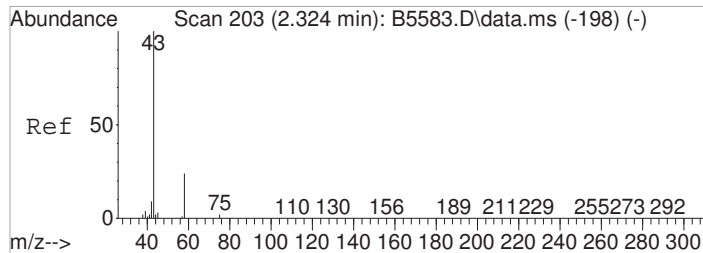
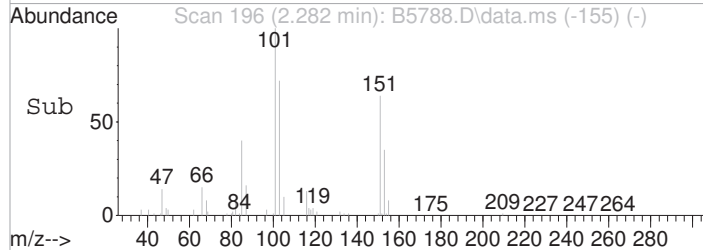
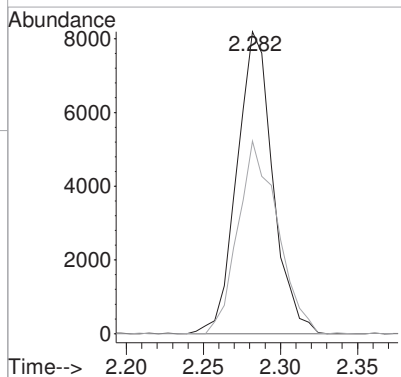
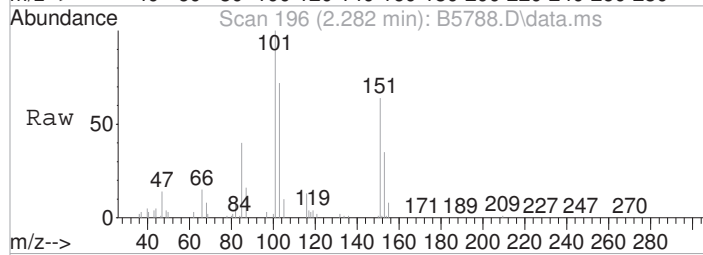
Tgt Ion: 67 Resp: 1676
 Ion Ratio Lower Upper
 67 100
 117 63.8 46.2 86.2





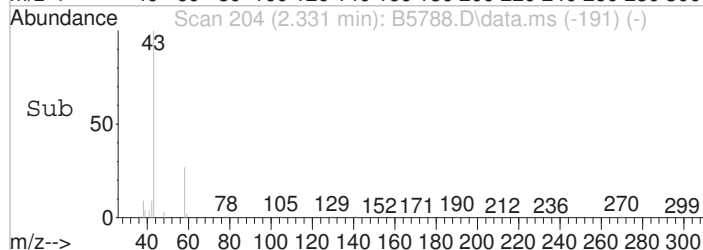
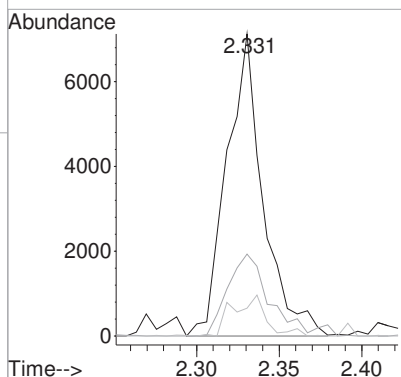
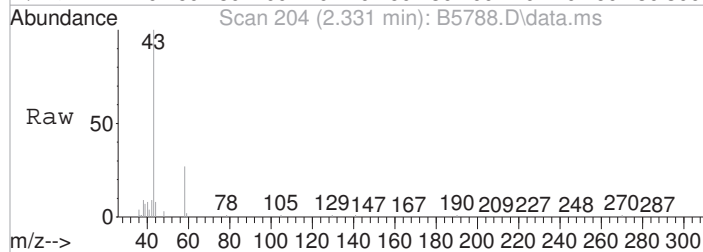
#15
 Freon 113
 Concen: 3.14 ug/L
 RT: 2.282 min Scan# 196
 Delta R.T. -0.006 min
 Lab File: B5788.D
 Acq: 16 Sep 2022 5:43 pm

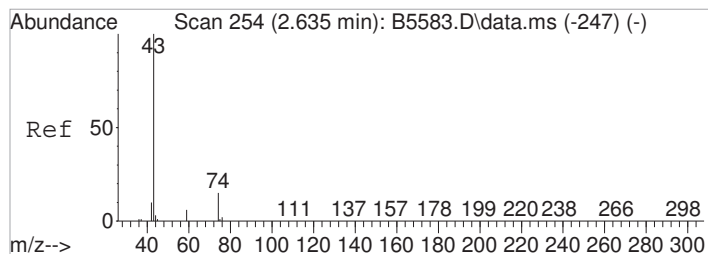
Tgt Ion: 101 Resp: 13233
 Ion Ratio Lower Upper
 101 100
 151 63.8 54.0 94.0



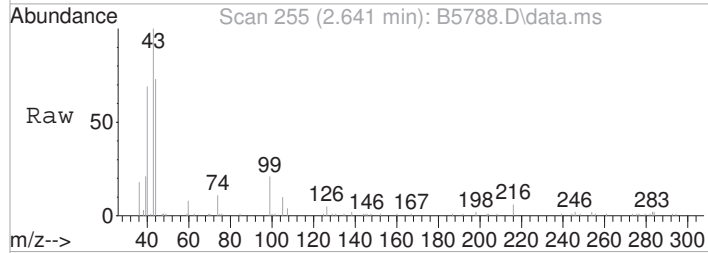
#16
 Acetone
 Concen: 4.23 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5788.D
 Acq: 16 Sep 2022 5:43 pm

Tgt Ion: 43 Resp: 10949
 Ion Ratio Lower Upper
 43 100
 58 27.1 3.7 43.7
 42 9.2 0.0 28.6

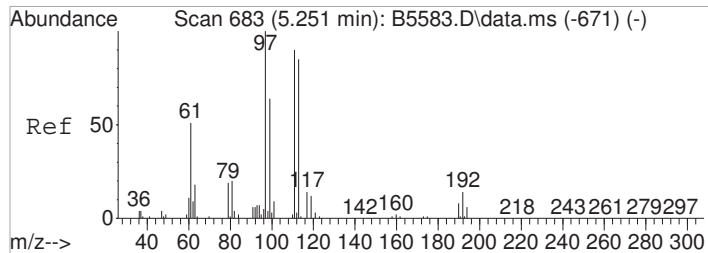
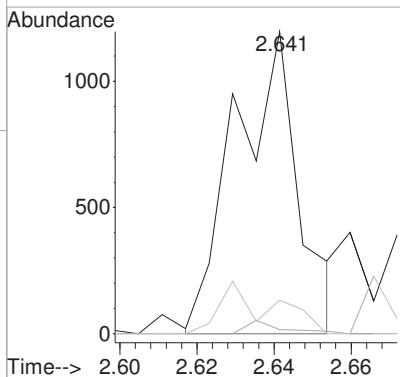
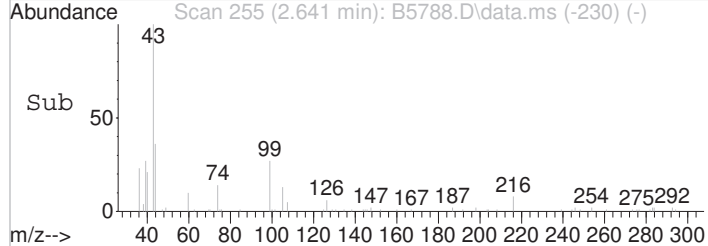




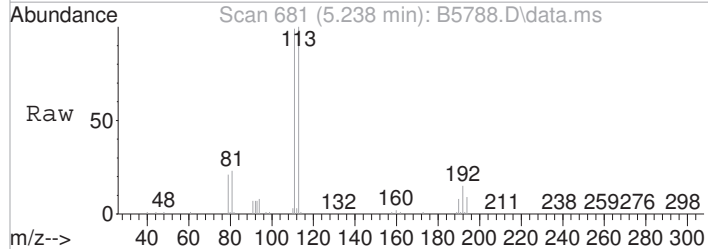
#22
 Methyl Acetate
 Concen: 0.22 ug/L
 RT: 2.641 min Scan# 255
 Delta R.T. 0.006 min
 Lab File: B5788.D
 Acq: 16 Sep 2022 5:43 pm



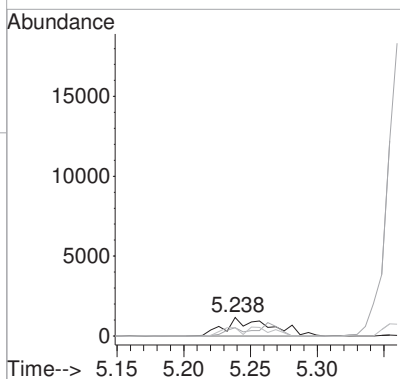
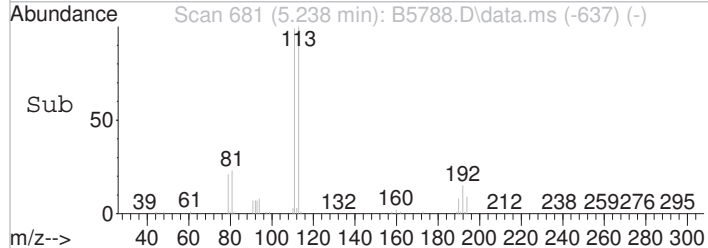
Tgt Ion: 43 Resp: 1372
 Ion Ratio Lower Upper
 43 100
 59 8.9 0.0 26.1
 74 11.1 0.0 35.3

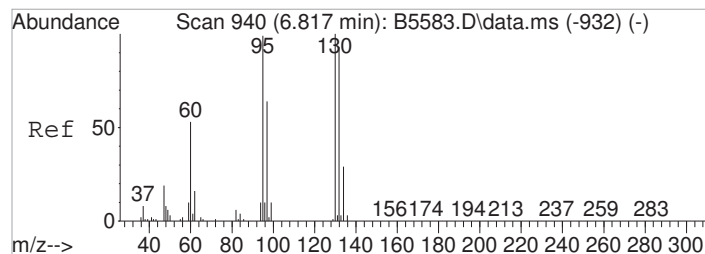


#41
 1,1,1-Trichloroethane
 Concen: 0.45 ug/L m
 RT: 5.238 min Scan# 681
 Delta R.T. -0.012 min
 Lab File: B5788.D
 Acq: 16 Sep 2022 5:43 pm

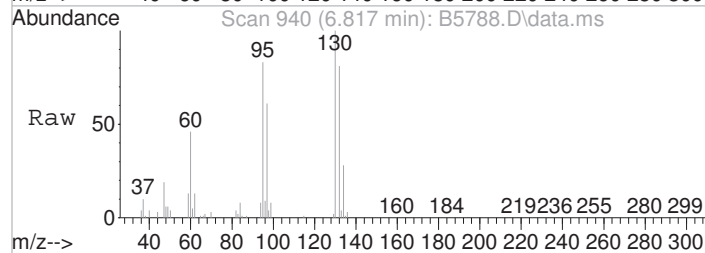


Tgt Ion: 97 Resp: 2683
 Ion Ratio Lower Upper
 97 100
 99 64.9 44.2 84.2
 61 64.4 31.1 71.1

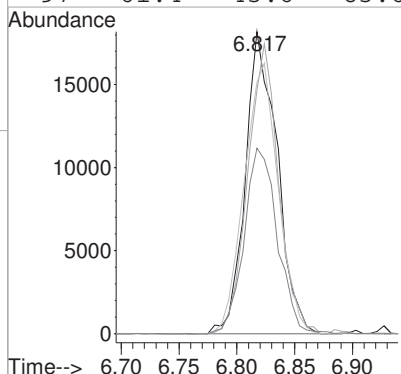
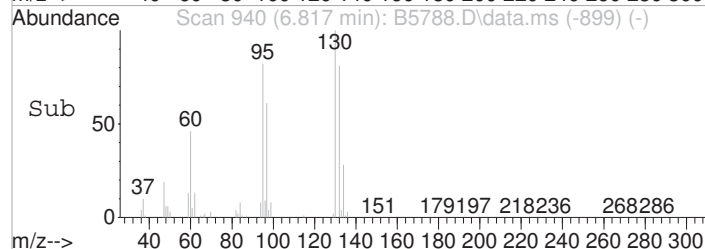




#54
 Trichloroethene
 Concen: 7.38 ug/L
 RT: 6.817 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: B5788.D
 Acq: 16 Sep 2022 5:43 pm



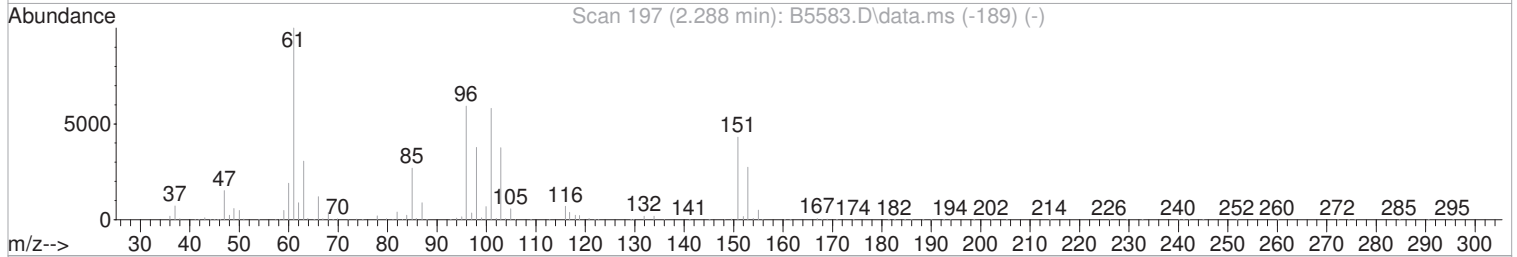
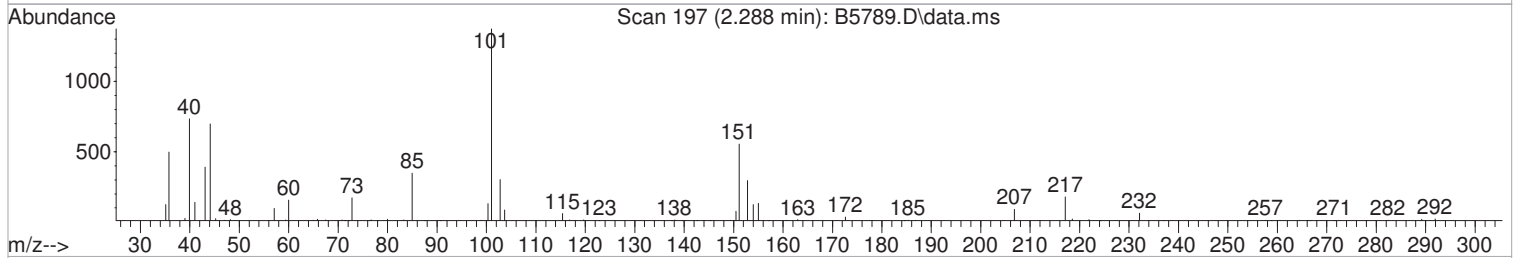
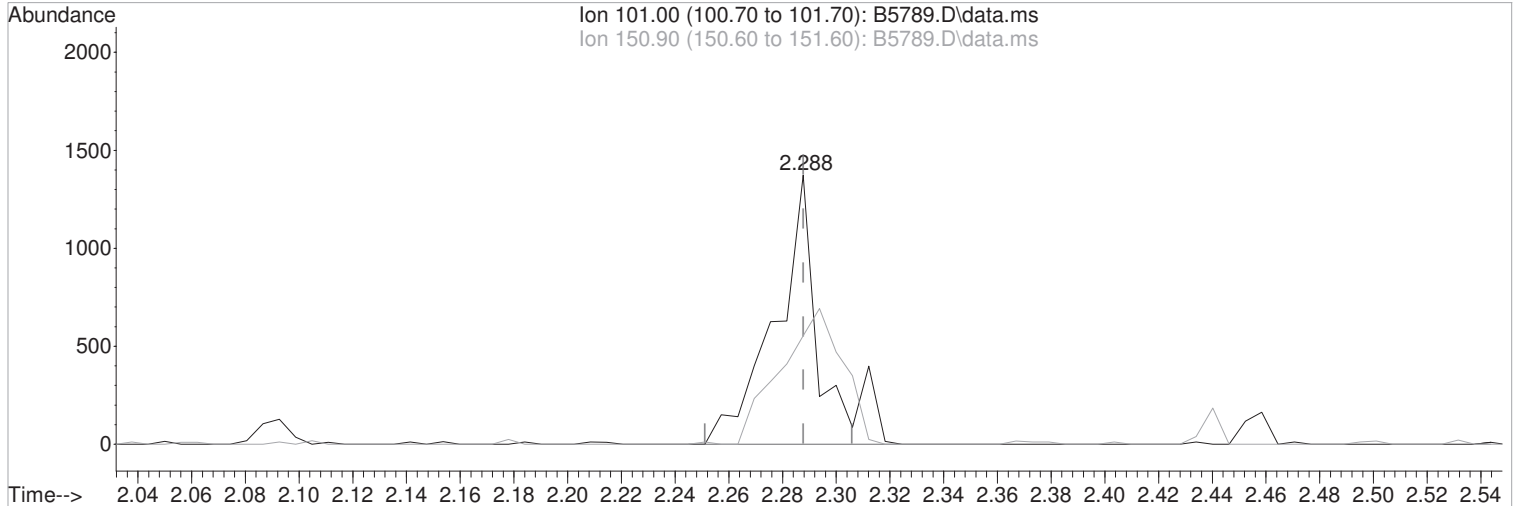
Tgt Ion:	130	Resp:	34553
Ion Ratio	Lower	Upper	
130	100		
132	80.6	73.4	113.4
95	83.3	78.6	118.6
97	61.4	43.6	83.6



Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5789.D
Acq On : 16 Sep 2022 6:05 pm
Operator : F.NAEGLER
Sample : R2208645-009|1.0
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:41 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5789.D\data.ms

(15) Freon 113 (P)

2.288min (-0.000) 0.39 ug/L m

response 1595

Ion	Exp%	Act%

101.00	100	100

150.90	74.00	40.35#

0.00	0.00	0.00

0.00	0.00	0.00

Manual Integration:

After

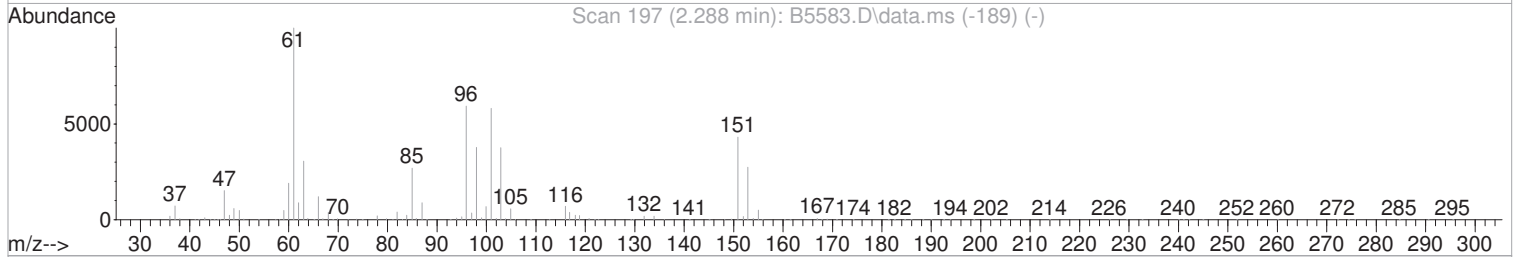
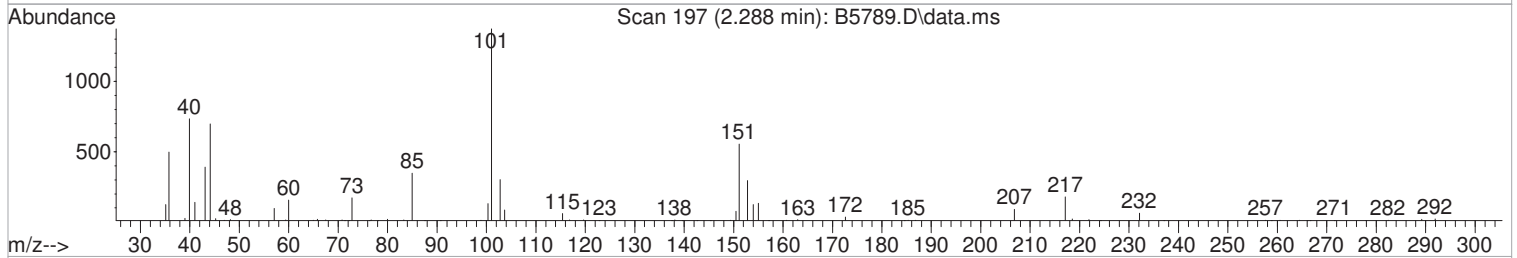
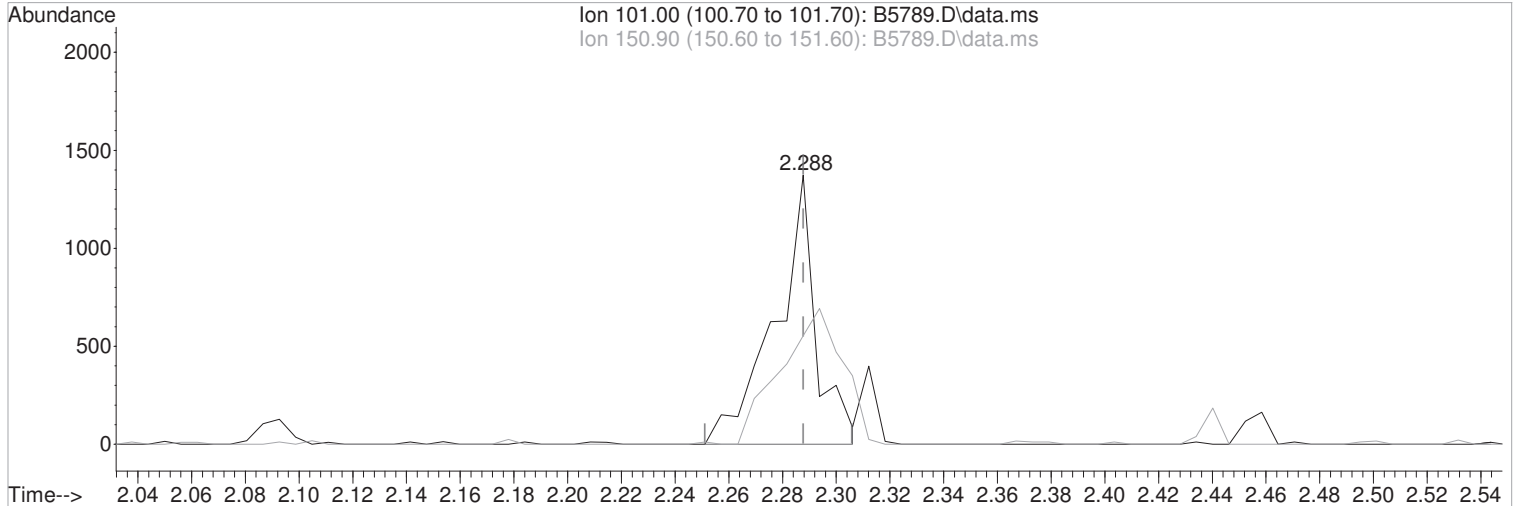
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5789.D
 Acq On : 16 Sep 2022 6:05 pm
 Operator : F.NAEGLER
 Sample : R2208645-009|1.0
 Misc : VCG 7979 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:41 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration



TIC: B5789.D\data.ms

(15) Freon 113 (P)

Manual Integration:

2.288min (-0.000) 0.35 ug/L

Before

response 1444

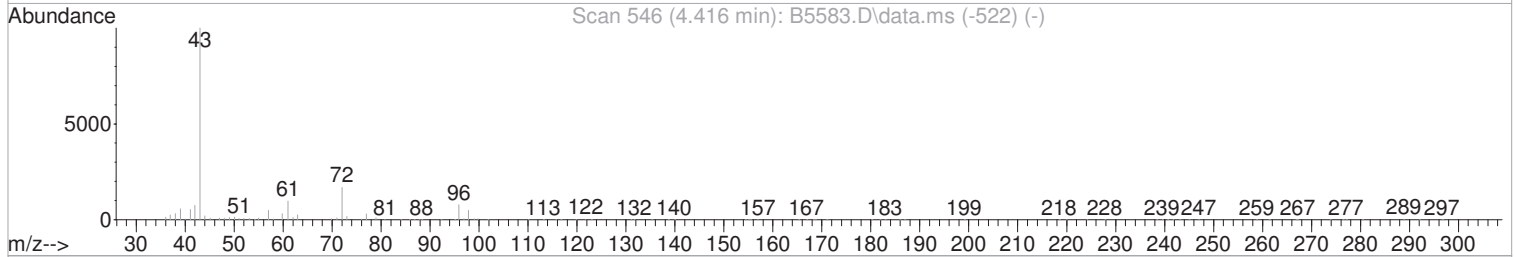
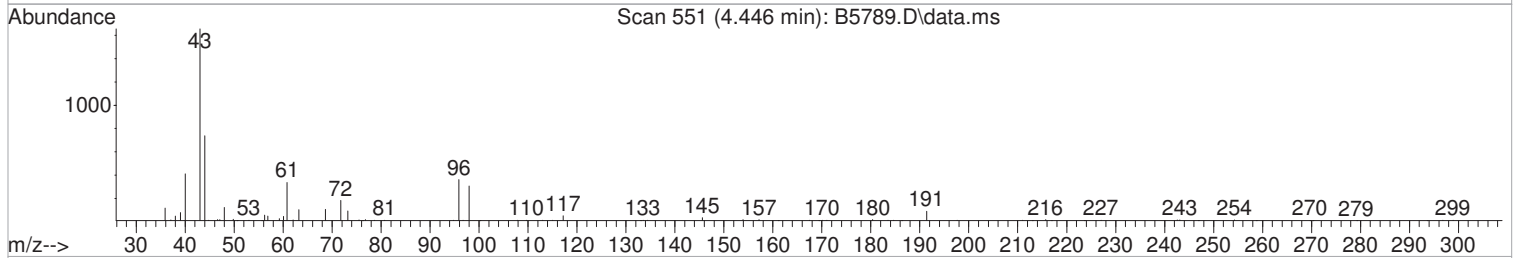
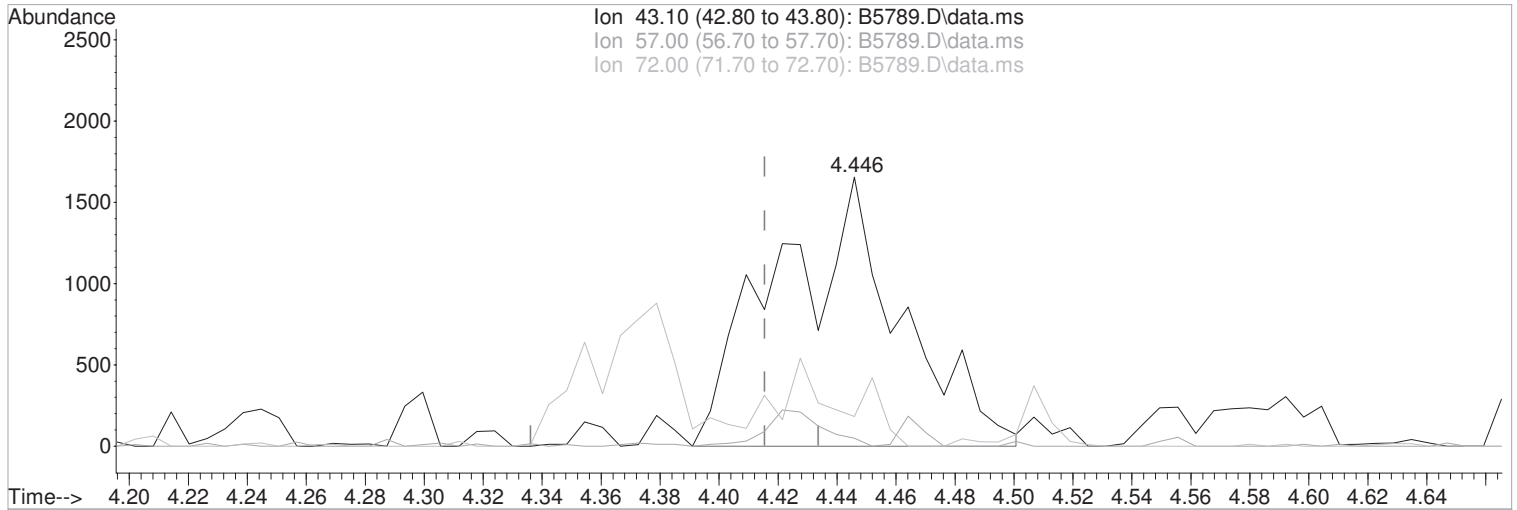
Ion	Exp%	Act%
101.00	100	100
150.90	74.00	40.35#
0.00	0.00	0.00
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5789.D
Acq On : 16 Sep 2022 6:05 pm
Operator : F.NAEGLER
Sample : R2208645-009|1.0
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:41 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5789.D\data.ms

(35) 2-Butanone (P)

4.446min (+0.030) 1.15 ug/L m

response 4837

Ion	Exp%	Act%
43.10	100	100
57.00	5.30	2.90
72.00	16.80	11.00
0.00	0.00	0.00

Manual Integration:

After

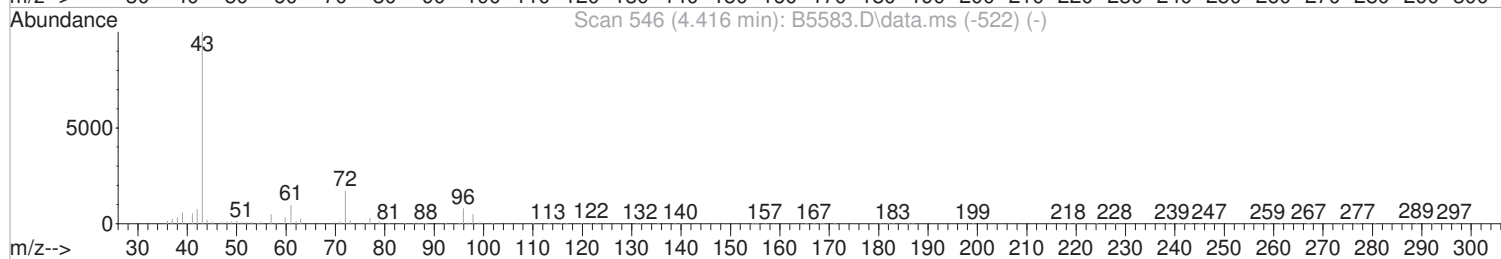
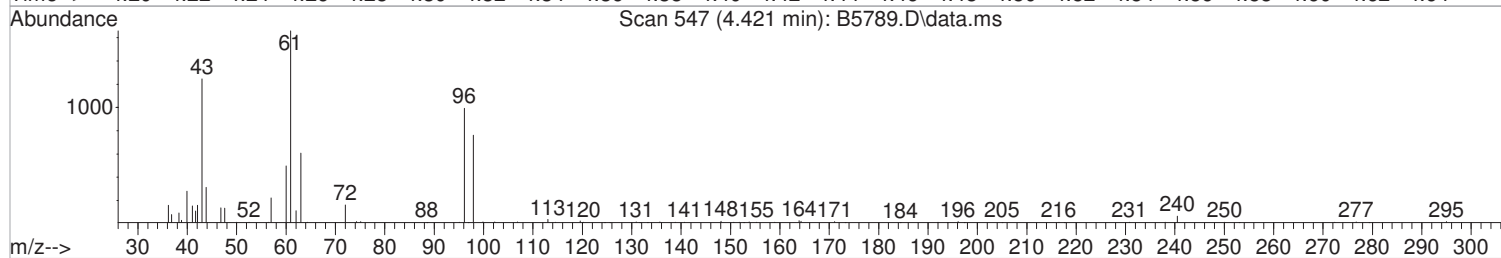
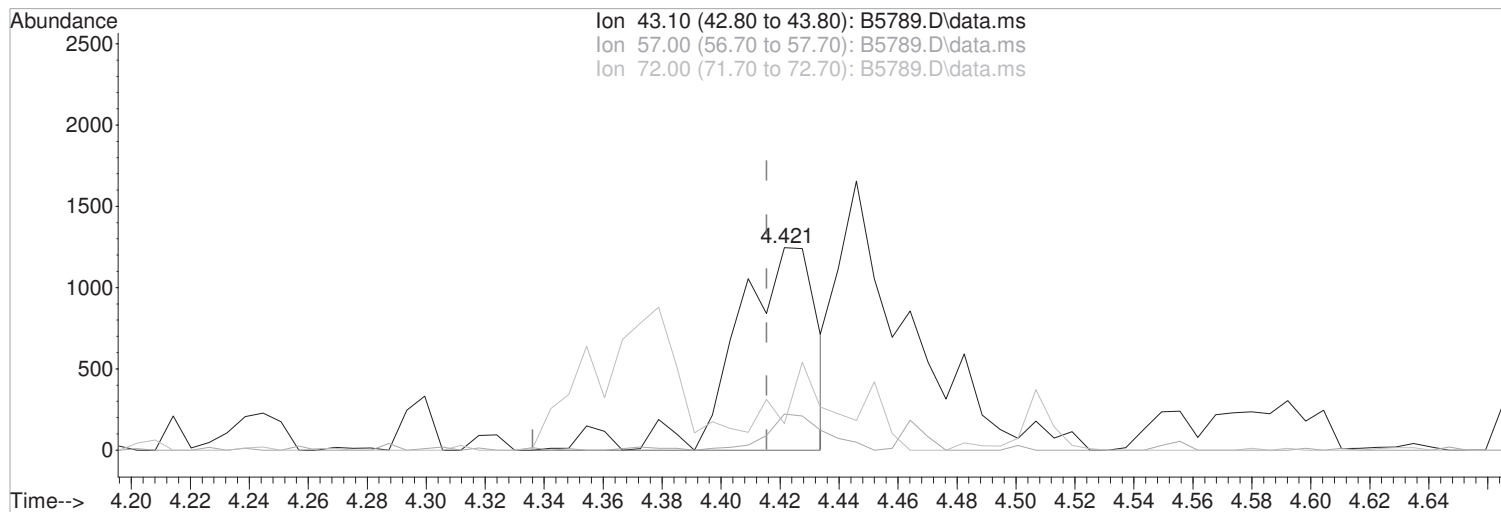
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5789.D
Acq On : 16 Sep 2022 6:05 pm
Operator : F.NAEGLER
Sample : R2208645-009|1.0
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:41 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5789.D\data.ms

(35) 2-Butanone (P)

4.421min (+0.006) 0.57 ug/L

response 2405

Ion	Exp%	Act%
43.10	100	100
57.00	5.30	14.23
72.00	16.80	10.38
0.00	0.00	0.00

Manual Integration:

Before

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5789.D
 Acq On : 16 Sep 2022 6:05 pm
 Operator : F.NAEGLER
 Sample : R2208645-009|1.0
 Misc : VCG 7979 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 19 15:21:29 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

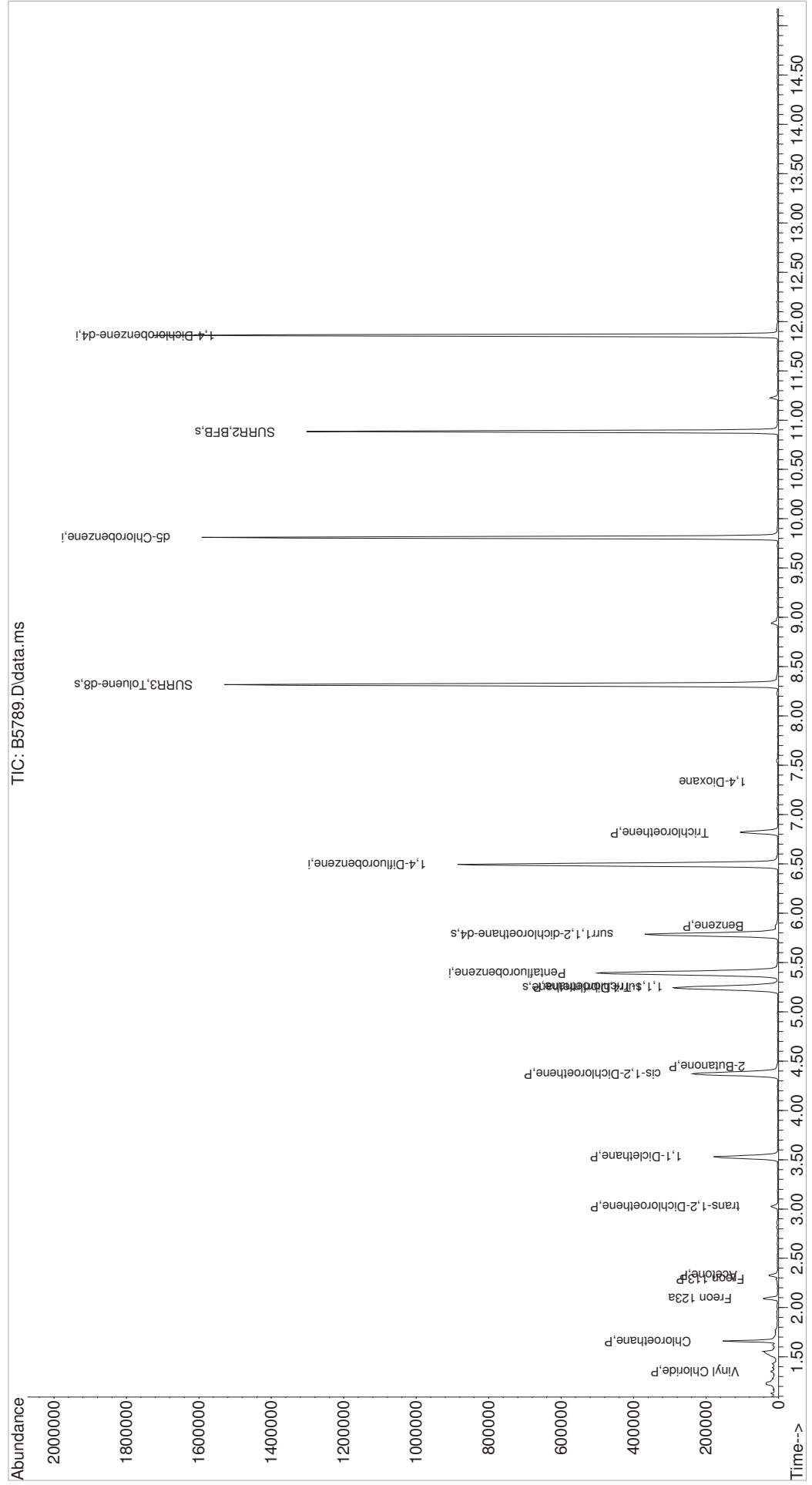
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	426637	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	733897	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	639384	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	296804	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	231940	49.42	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	98.84%	
47) surr1,1,2-dichloroetha...	5.787	65	306585	50.88	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	101.76%	
65) SURR3,Toluene-d8	8.317	98	891539	49.86	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	99.72%	
70) SURR2,BFB	10.884	95	319709	47.46	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	94.92%	
Target Compounds						
5) Vinyl Chloride	1.355	62	2047	0.38	ug/L	Qvalue # 21
6) Bromomethane	1.581	94	470	Below	Cal	90
7) Chloroethane	1.660	64	79602	22.06	ug/L	98
11) Freon 123a	2.093	67	16237	3.11	ug/L	96
15) Freon 113	2.288	101	1595m	0.39	ug/L	
16) Acetone	2.330	43	27514	10.91	ug/L	95
27) trans-1,2-Dichloroethene	3.025	96	6760	1.62	ug/L	# 64
28) 1,1-Dicethane	3.531	63	184647	23.78	ug/L	98
34) cis-1,2-Dichloroethene	4.373	96	130957	26.93	ug/L	92
35) 2-Butanone	4.446	43	4837m	1.15	ug/L	
41) 1,1,1-Trichloroethane	5.257	97	10417	1.78	ug/L	84
48) Benzene	5.872	78	4984	0.29	ug/L	94
54) Trichloroethene	6.817	130	34341	7.48	ug/L	94
58) 1,4-Dioxane	7.329	88	212	2.29	ug/L	78

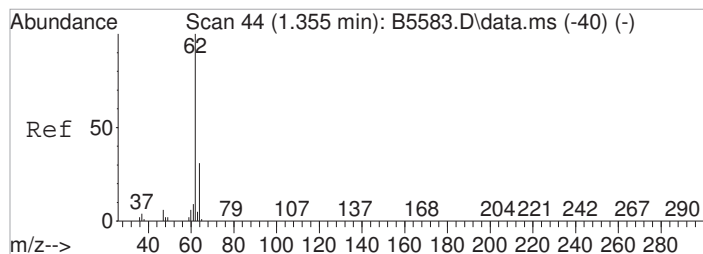
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5789.D
 Acq On : 16 Sep 2022 6:05 pm
 Operator : F.NAEGLER
 Sample : R2208645-009|1.0
 Misc : VCG 7979 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

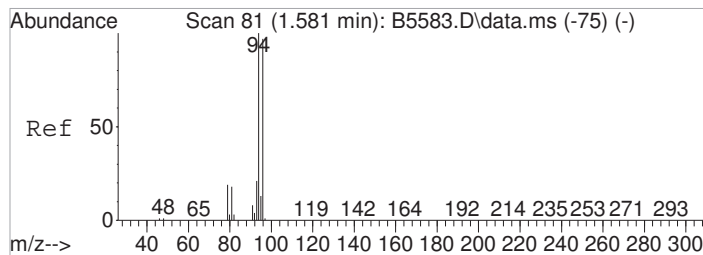
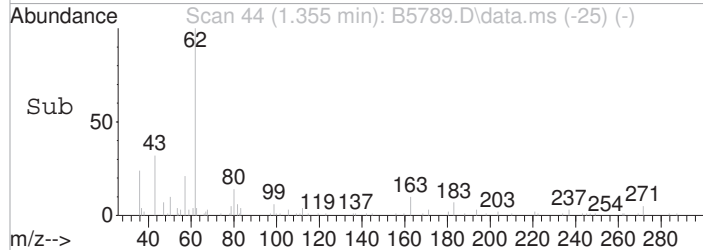
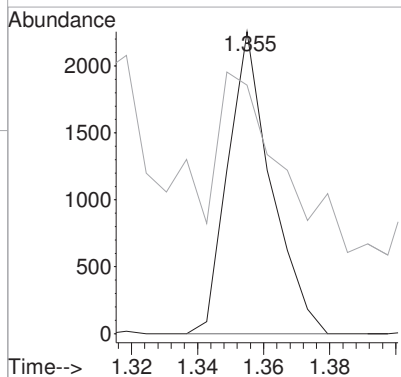
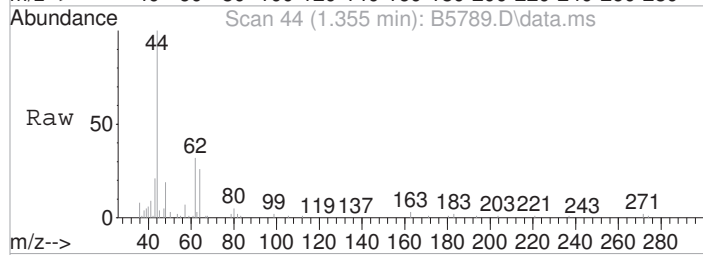
Quant Time: Sep 19 15:21:29 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





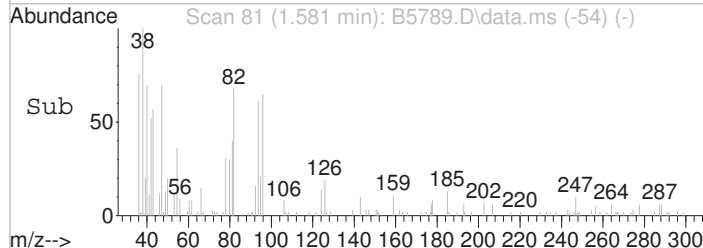
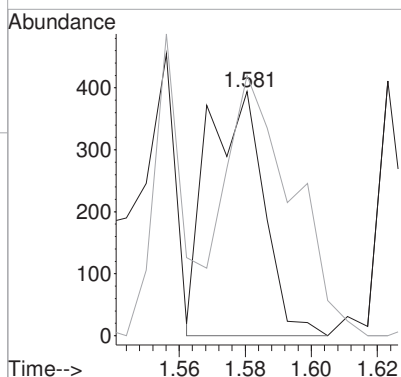
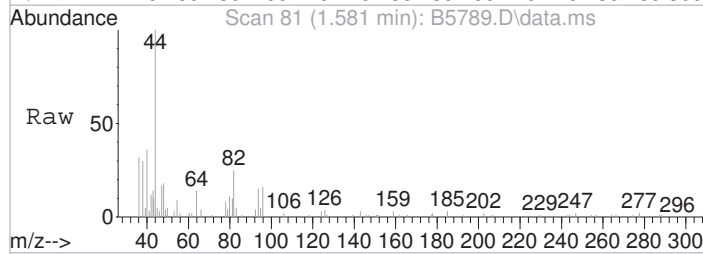
#5
 Vinyl Chloride
 Concen: 0.38 ug/L
 RT: 1.355 min Scan# 44
 Delta R.T. -0.000 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

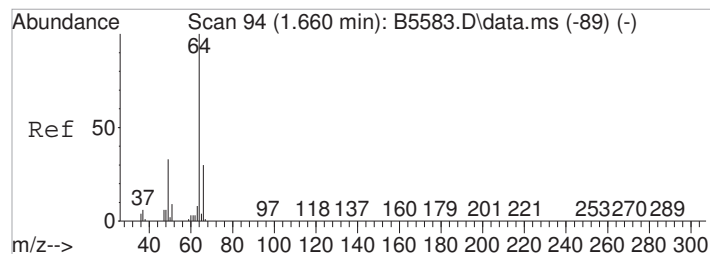
Tgt Ion: 62 Resp: 2047
 Ion Ratio Lower Upper
 62 100
 64 75.2 11.5 51.5#



#6
 Bromomethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

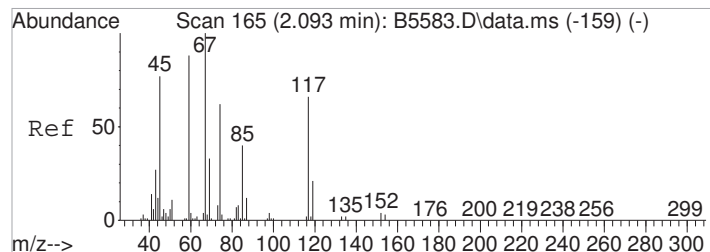
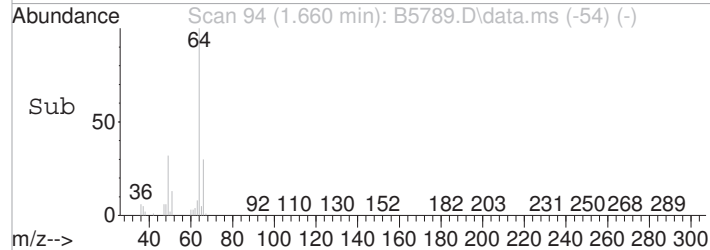
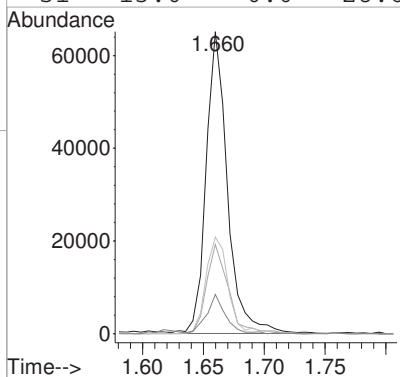
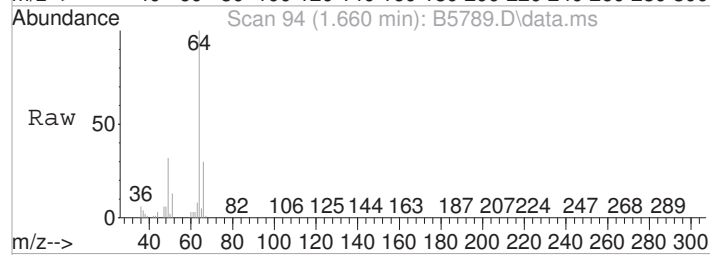
Tgt Ion: 94 Resp: 470
 Ion Ratio Lower Upper
 94 100
 96 106.6 77.0 117.0





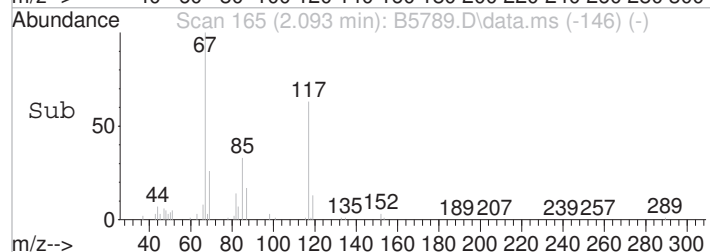
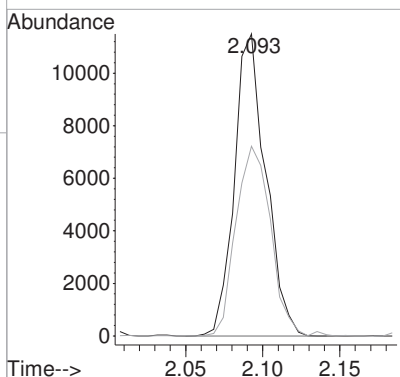
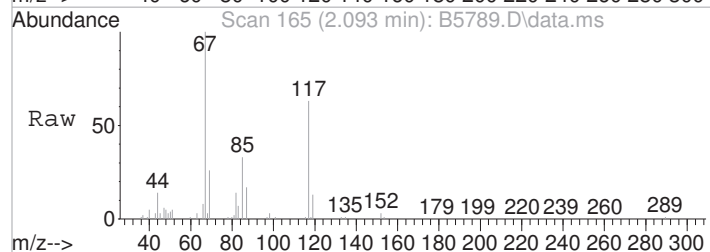
#7
 Chloroethane
 Concen: 22.06 ug/L
 RT: 1.660 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

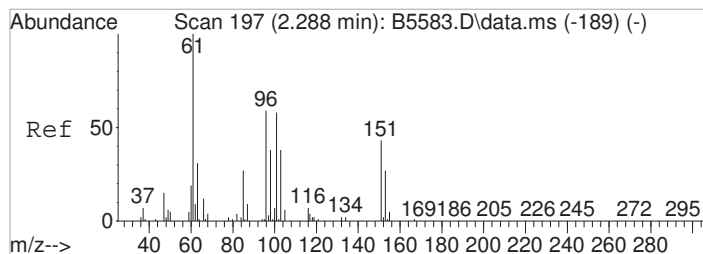
Tgt Ion: 64	Resp: 79602
Ion Ratio	Lower Upper
64	100
66	29.5 9.6 49.6
49	31.9 12.8 52.8
51	13.0 0.0 28.6



#11
 Freon 123a
 Concen: 3.11 ug/L
 RT: 2.093 min Scan# 165
 Delta R.T. -0.000 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

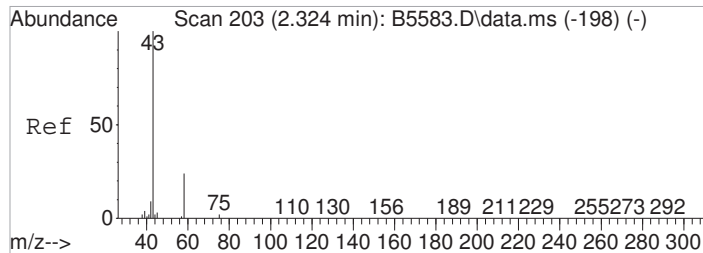
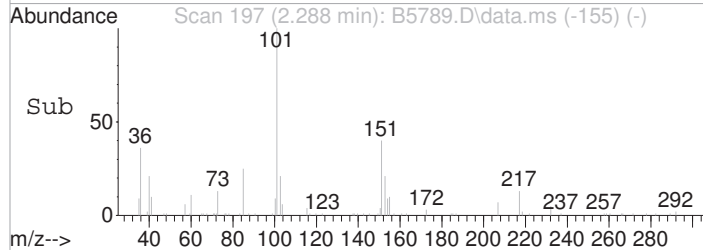
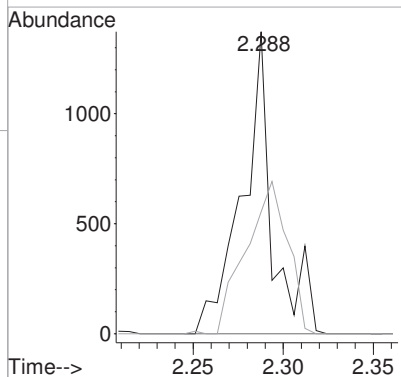
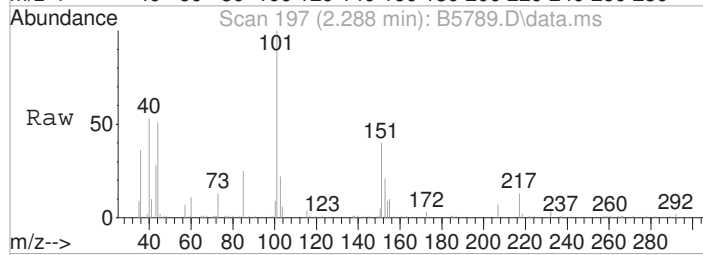
Tgt Ion: 67	Resp: 16237
Ion Ratio	Lower Upper
67	100
117	62.8 46.2 86.2





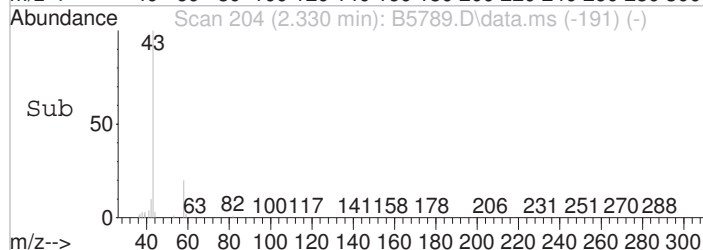
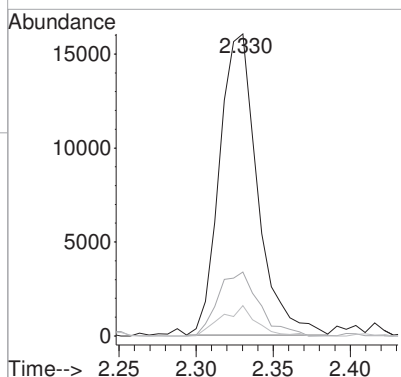
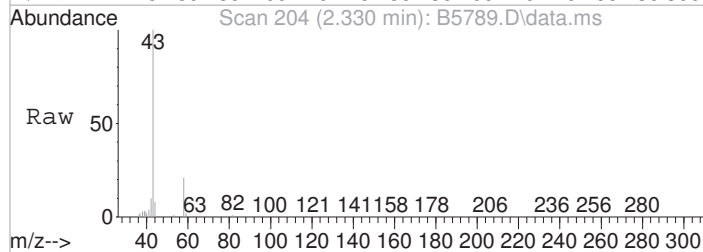
#15
 Freon 113
 Concen: 0.39 ug/L m
 RT: 2.288 min Scan# 197
 Delta R.T. -0.000 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

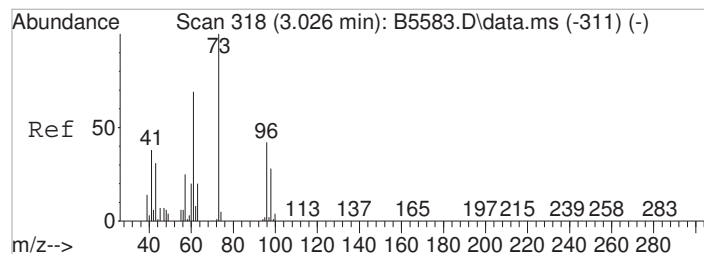
Tgt Ion: 101 Resp: 1595
 Ion Ratio Lower Upper
 101 100
 151 40.3 54.0 94.0#



#16
 Acetone
 Concen: 10.91 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

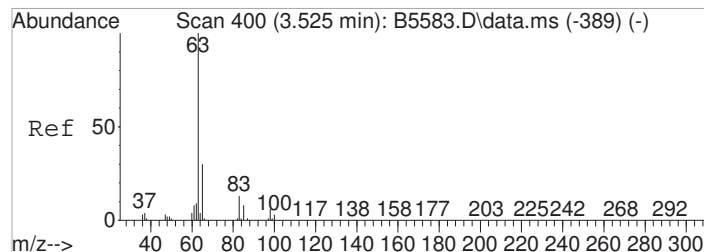
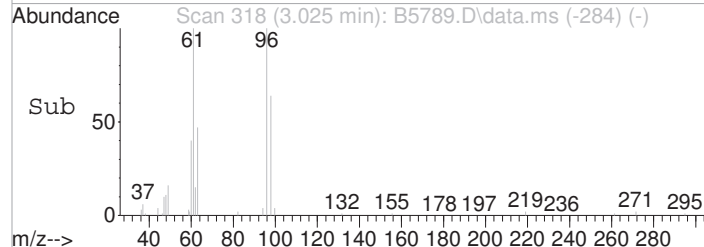
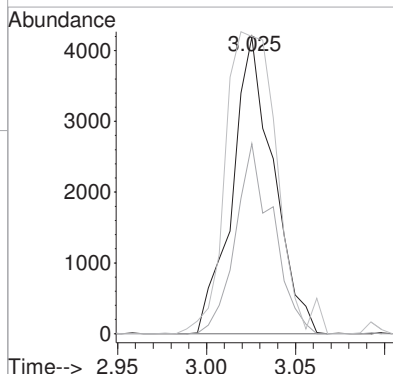
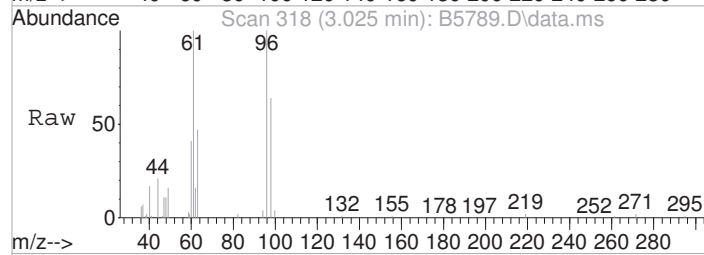
Tgt Ion: 43 Resp: 27514
 Ion Ratio Lower Upper
 43 100
 58 21.1 3.7 43.7
 42 10.0 0.0 28.6





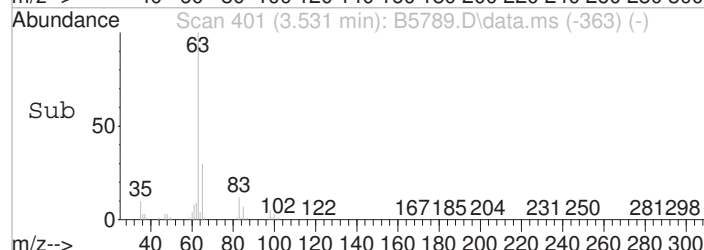
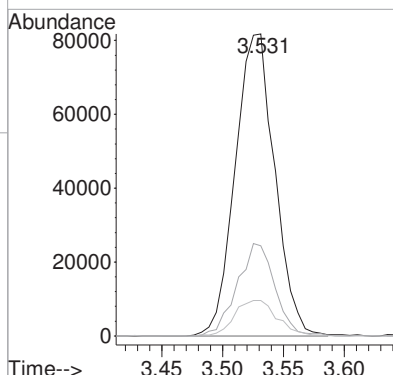
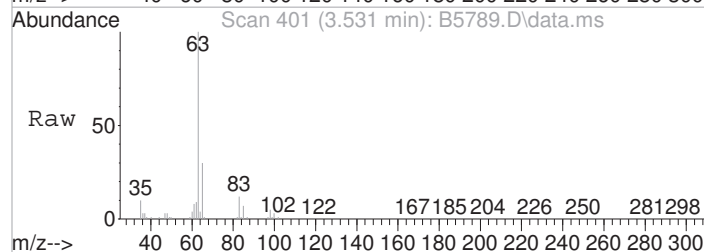
#27
 trans-1,2-Dichloroethene
 Concen: 1.62 ug/L
 RT: 3.025 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

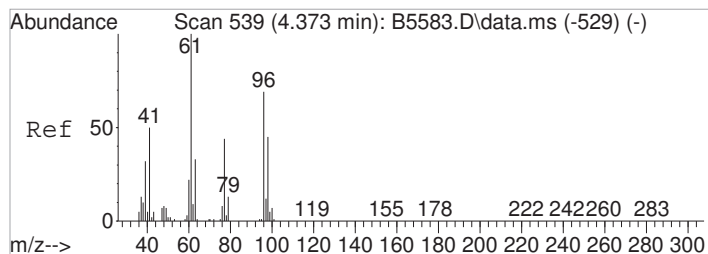
Tgt Ion: 96 Resp: 6760
 Ion Ratio Lower Upper
 96 100
 98 64.1 47.3 87.3
 61 100.3 145.8 185.8#



#28
 1,1-Dicethane
 Concen: 23.78 ug/L
 RT: 3.531 min Scan# 401
 Delta R.T. 0.006 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

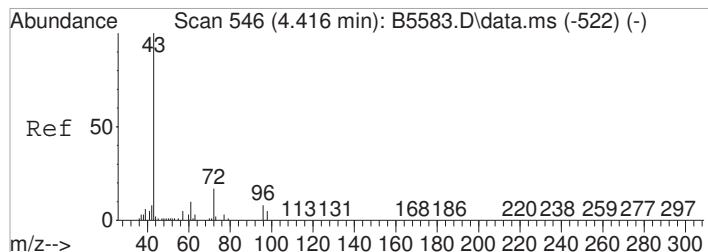
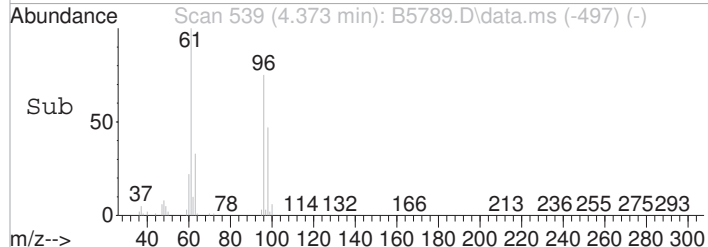
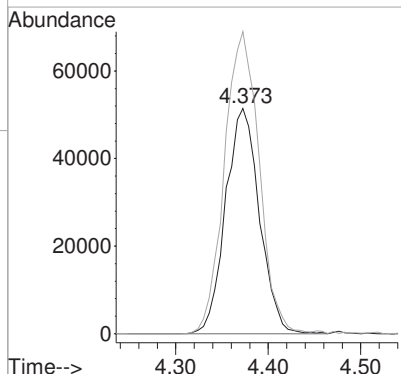
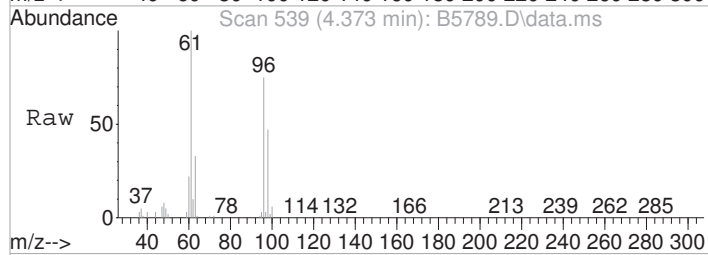
Tgt Ion: 63 Resp: 184647
 Ion Ratio Lower Upper
 63 100
 65 29.9 10.5 50.5
 83 11.7 0.0 33.0





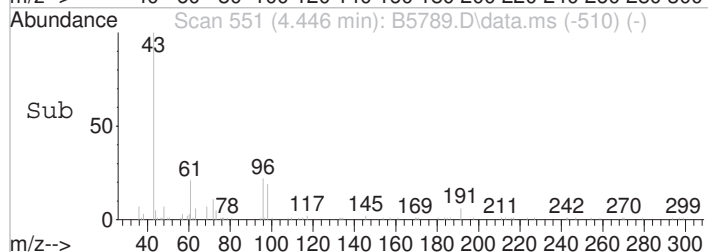
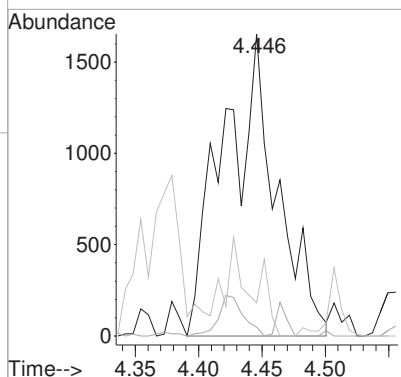
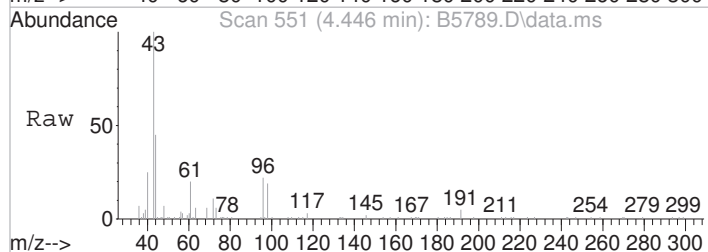
#34
 cis-1,2-Dichloroethene
 Concen: 26.93 ug/L
 RT: 4.373 min Scan# 539
 Delta R.T. -0.000 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

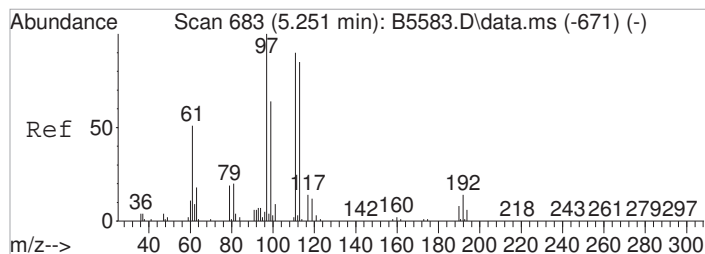
Tgt Ion: 96 Resp: 130957
 Ion Ratio Lower Upper
 96 100
 61 134.0 124.4 164.4



#35
 2-Butanone
 Concen: 1.15 ug/L m
 RT: 4.446 min Scan# 551
 Delta R.T. 0.030 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

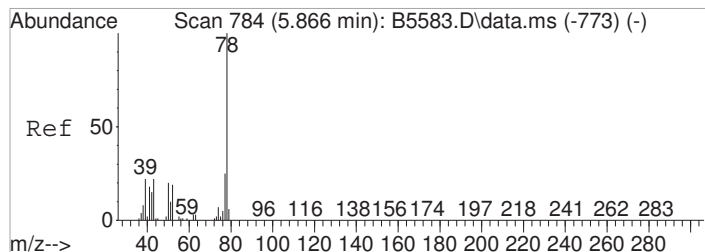
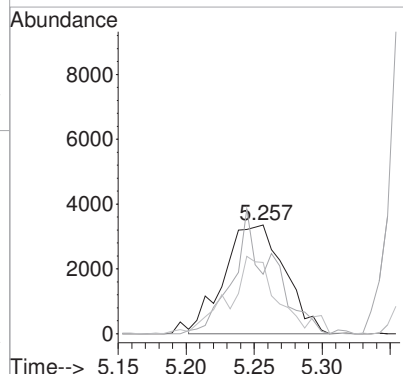
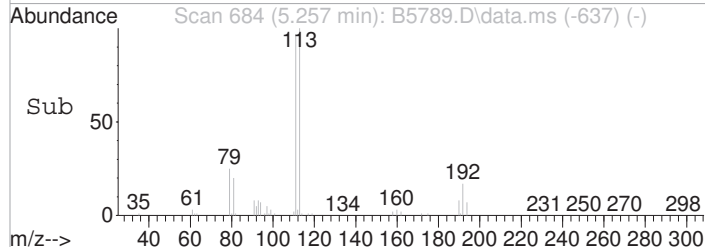
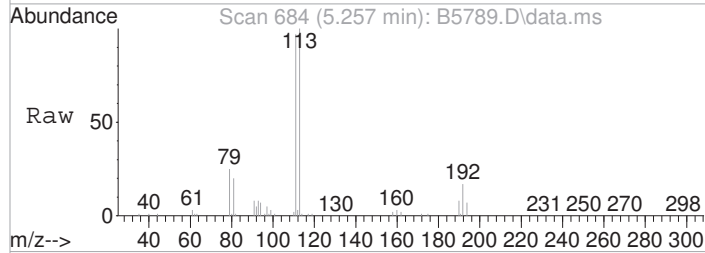
Tgt Ion: 43 Resp: 4837
 Ion Ratio Lower Upper
 43 100
 57 2.9 0.0 25.3
 72 11.0 0.0 36.8





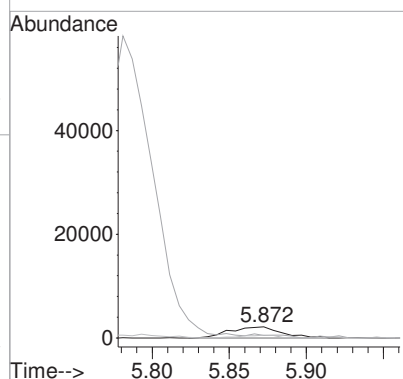
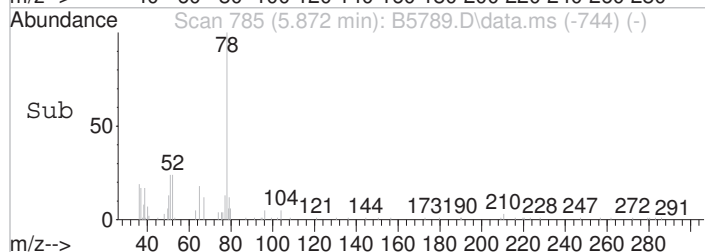
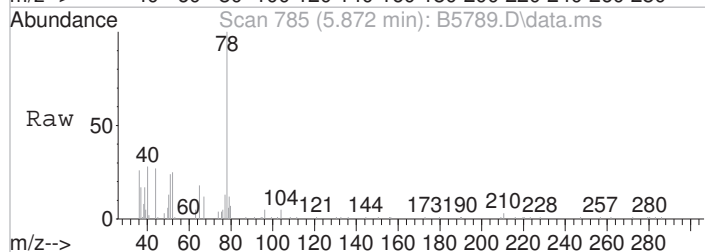
#41
 1,1,1-Trichloroethane
 Concen: 1.78 ug/L
 RT: 5.257 min Scan# 684
 Delta R.T. 0.006 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

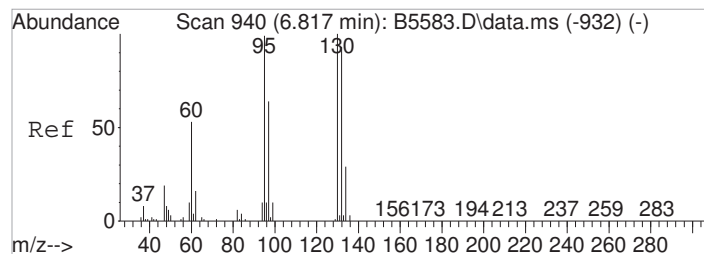
Tgt Ion: 97	Resp: 10417
Ion Ratio	Lower Upper
97 100	
99 54.7	44.2 84.2
61 65.5	31.1 71.1



#48
 Benzene
 Concen: 0.29 ug/L
 RT: 5.872 min Scan# 785
 Delta R.T. 0.006 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

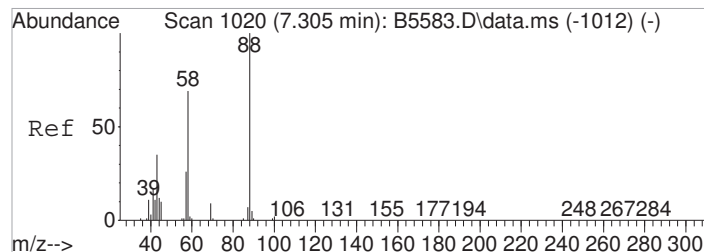
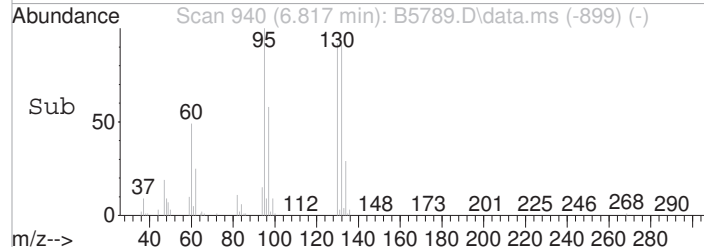
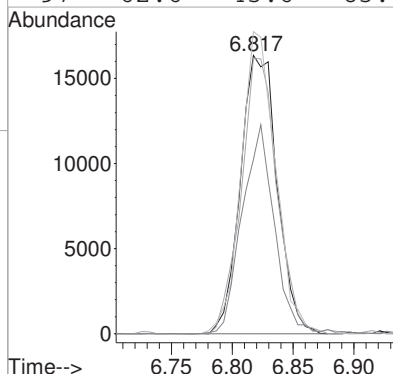
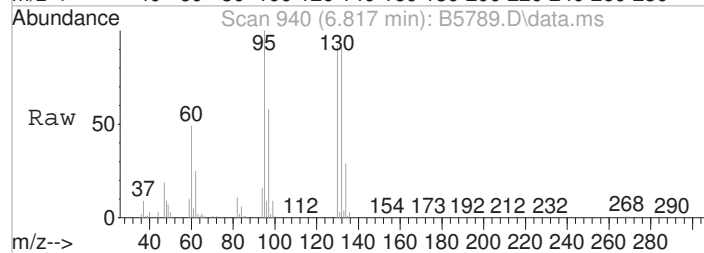
Tgt Ion: 78	Resp: 4984
Ion Ratio	Lower Upper
78 100	
51 22.5	1.4 41.4
52 23.9	0.0 39.7





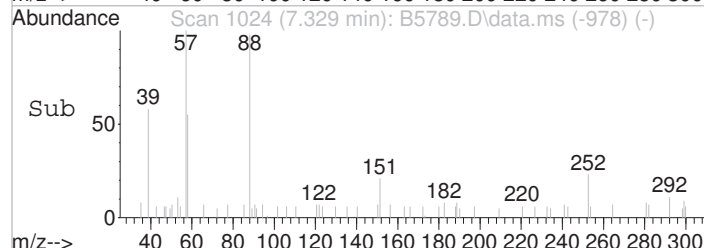
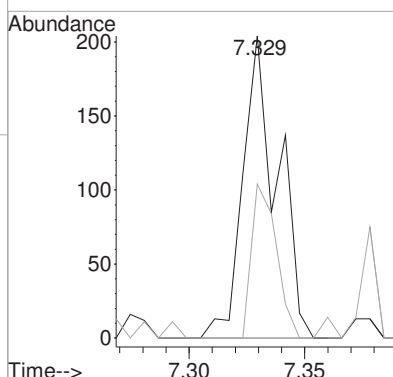
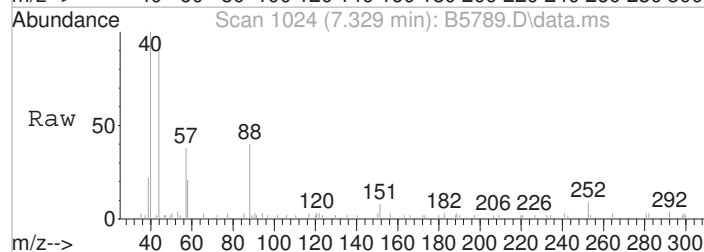
#54
 Trichloroethene
 Concen: 7.48 ug/L
 RT: 6.817 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

Tgt Ion: 130	Resp: 34341
Ion Ratio	Lower Upper
130 100	
132 98.9	73.4 113.4
95 108.5	78.6 118.6
97 62.6	43.6 83.6



#58
 1,4-Dioxane
 Concen: 2.29 ug/L
 RT: 7.329 min Scan# 1024
 Delta R.T. 0.024 min
 Lab File: B5789.D
 Acq: 16 Sep 2022 6:05 pm

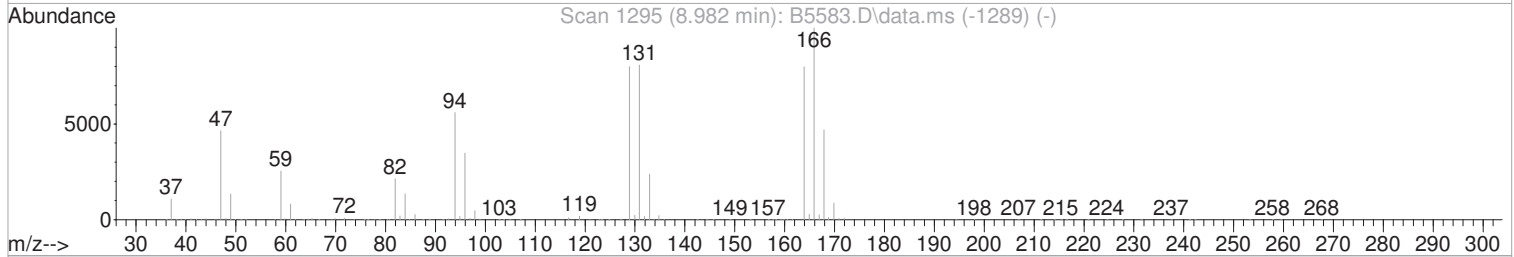
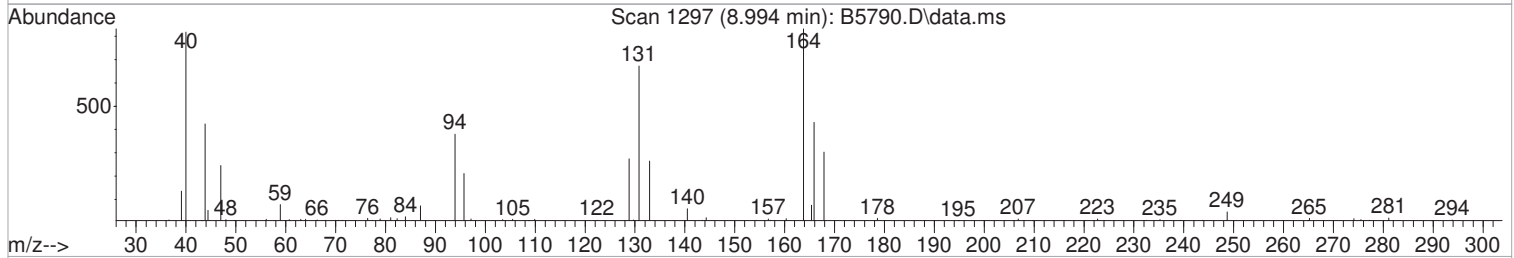
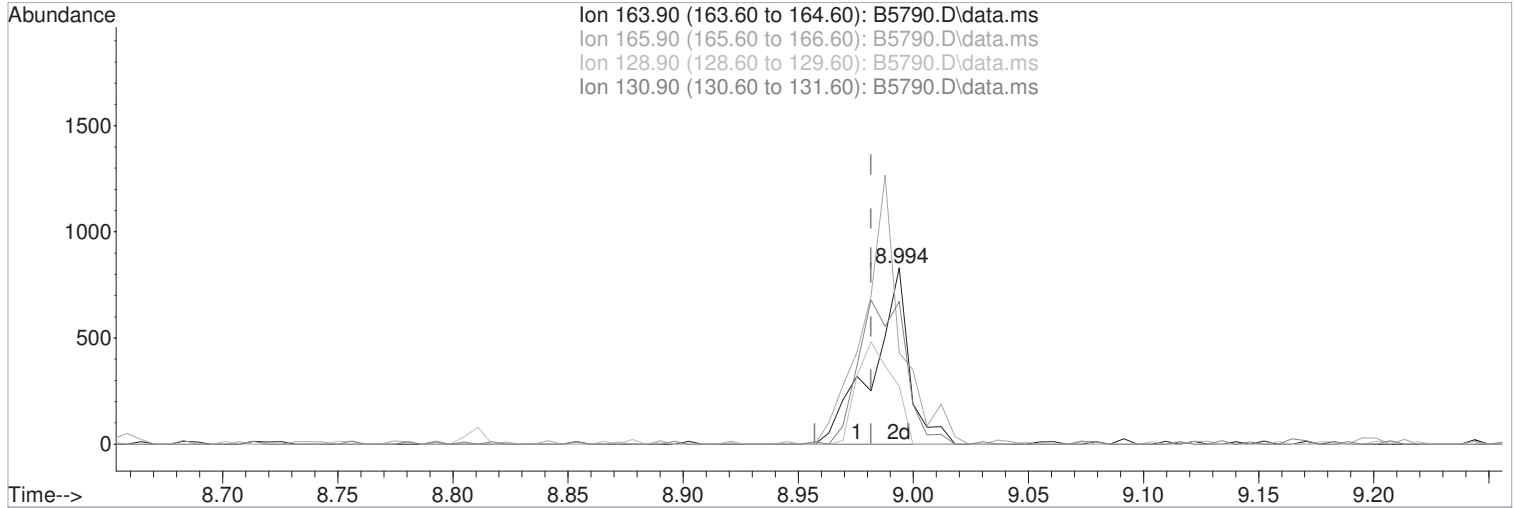
Tgt Ion: 88	Resp: 212
Ion Ratio	Lower Upper
88 100	
58 51.0	49.1 89.1



Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5790.D
Acq On : 16 Sep 2022 6:27 pm
Operator : F.NAEGLER
Sample : R2208645-010|1.0
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:55 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5790.D\data.ms

(72) Tetrachloroethene (P)

8.994min (+0.012) 0.27 ug/L m

response 922

Ion	Exp%	Act%

163.90	100	100

165.90	125.40	51.87#

128.90	100.20	32.97#

130.90	101.20	80.87#

Manual Integration:

After

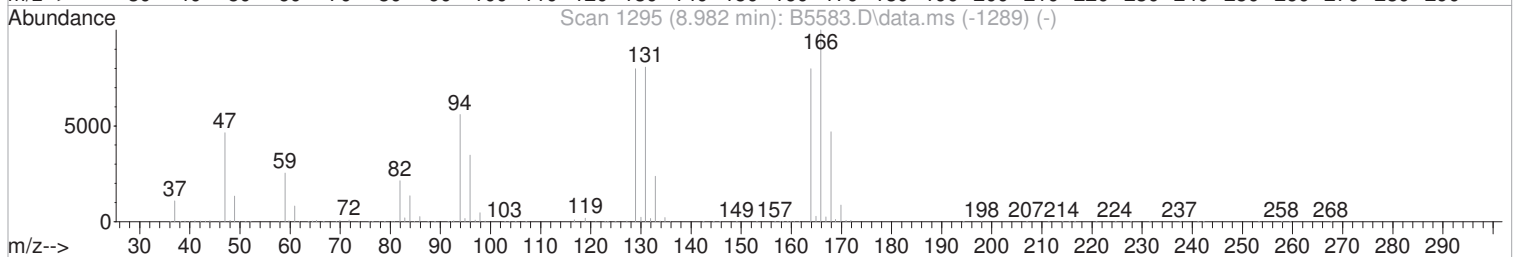
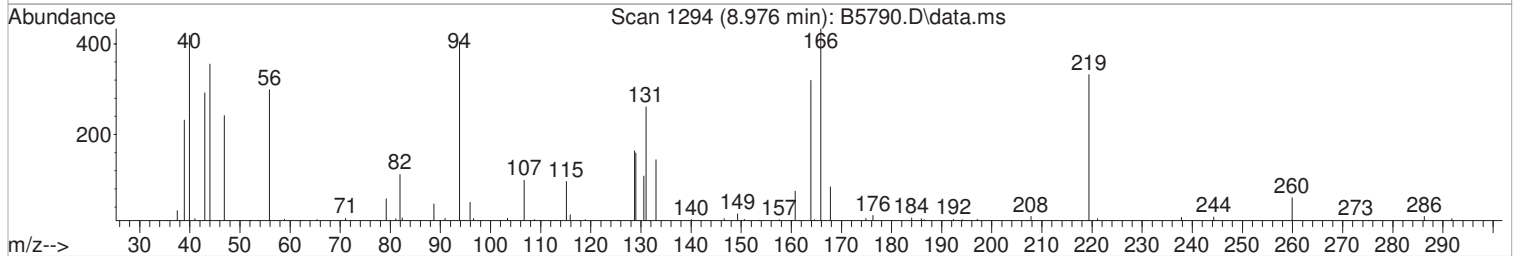
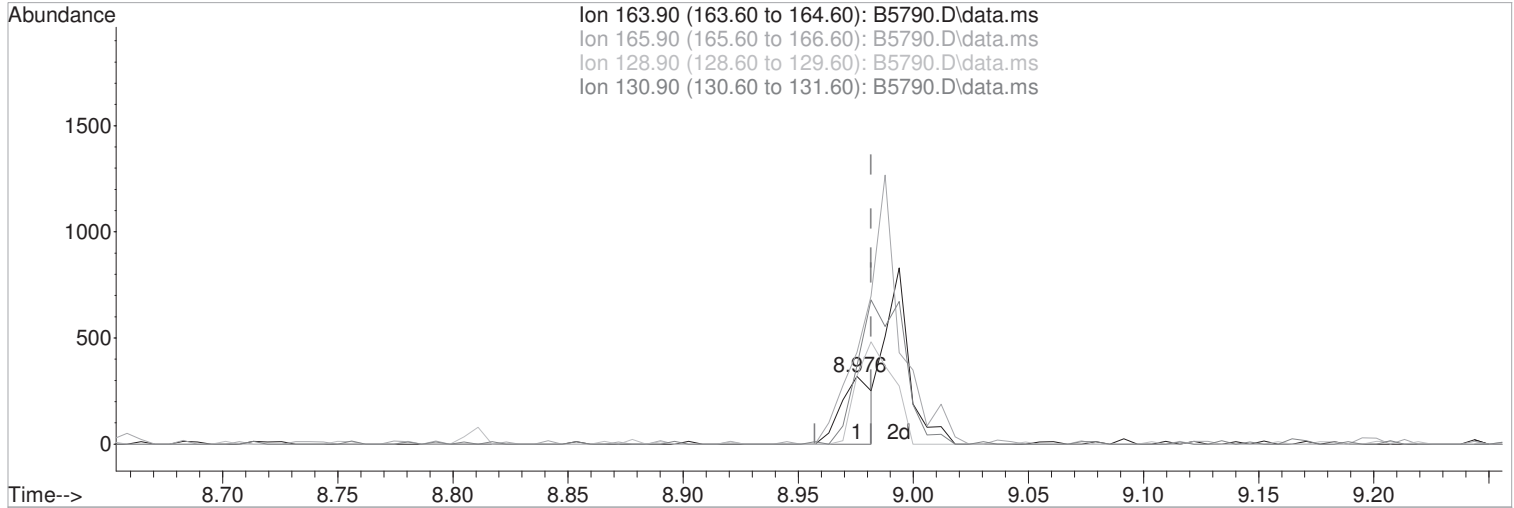
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5790.D
Acq On : 16 Sep 2022 6:27 pm
Operator : F.NAEGLER
Sample : R2208645-010|1.0
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 09:54:55 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5790.D\data.ms

(72) Tetrachloroethene (P)

Manual Integration:

8.976min (-0.006) 0.09 ug/L

Before

response 304

Ion	Exp%	Act%

09/19/22

163.90	100	100

165.90	125.40	130.82

128.90	100.20	97.58

130.90	101.20	111.48

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5790.D
 Acq On : 16 Sep 2022 6:27 pm
 Operator : F.NAEGLER
 Sample : R2208645-010|1.0
 Misc : VCG 7979 T4
 ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 19 15:23:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

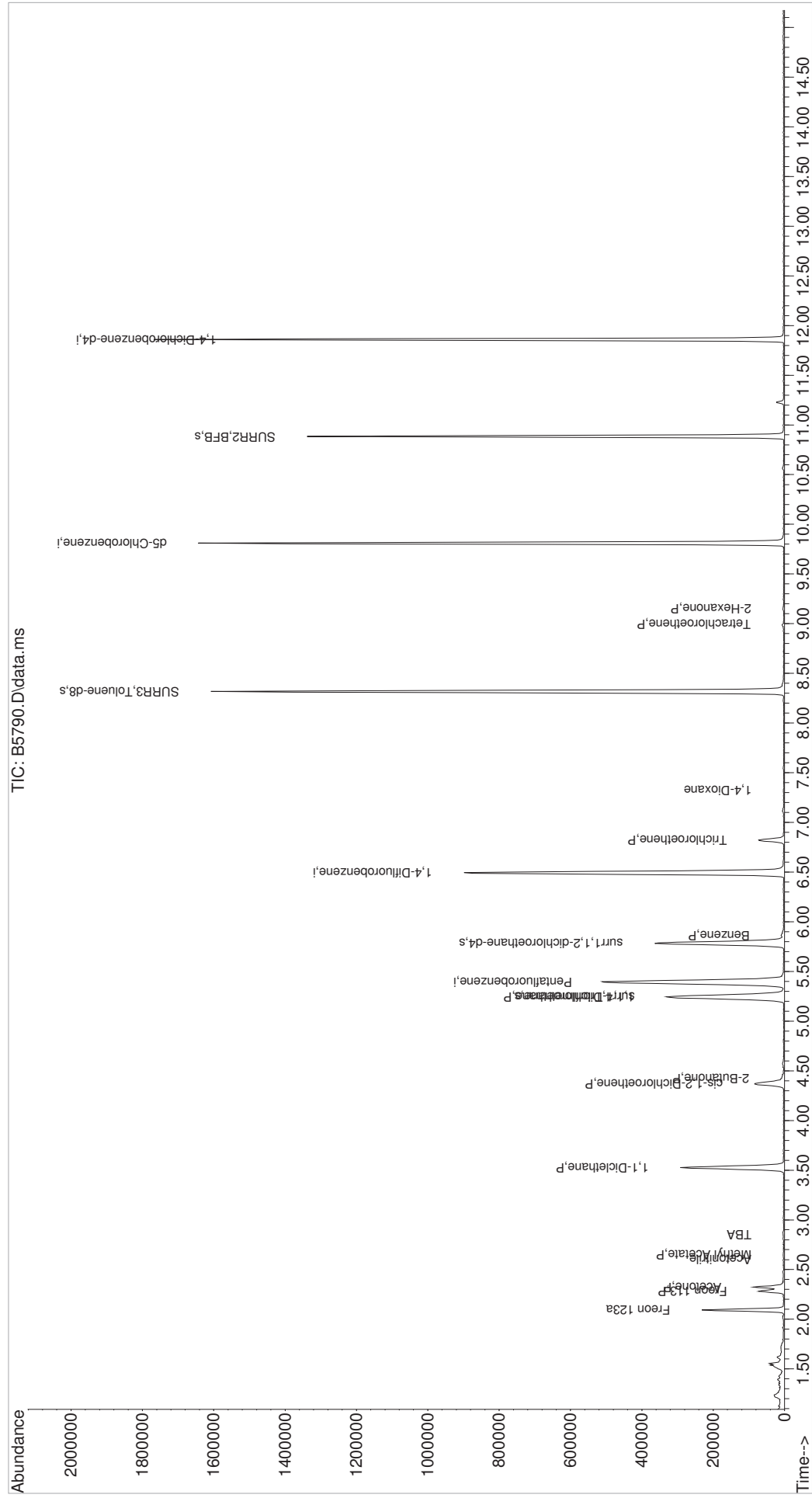
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	439161	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	745141	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	676155	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	307251	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	232452	48.78	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	97.56%	
47) surr1,1,2-dichloroetha...	5.781	65	311000	50.83	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	101.66%	
65) SURR3,Toluene-d8	8.317	98	907177	49.96	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	99.92%	
70) SURR2,BFB	10.884	95	322027	47.09	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	94.18%	
Target Compounds						
6) Bromomethane	1.581	94	1211	Below Cal		Qvalue 89
11) Freon 123a	2.093	67	89972	16.75	ug/L	99
15) Freon 113	2.282	101	22971	5.42	ug/L	88
16) Acetone	2.324	43	86179	33.20	ug/L	95
20) Acetonitrile	2.599	41	957	0.92	ug/L #	77
22) Methyl Acetate	2.647	43	1899	0.30	ug/L	81
24) TBA	2.855	59	1083	1.78	ug/L #	46
28) 1,1-Dicethane	3.525	63	297614	37.24	ug/L	95
34) cis-1,2-Dichloroethene	4.373	96	46900	9.37	ug/L #	76
35) 2-Butanone	4.422	43	10624	2.45	ug/L	82
41) 1,1,1-Trichloroethane	5.245	97	52551	8.72	ug/L	95
48) Benzene	5.866	78	5440	0.31	ug/L	84
54) Trichloroethene	6.823	130	22401	4.81	ug/L	91
58) 1,4-Dioxane	7.323	88	240	2.55	ug/L	81
72) Tetrachloroethene	8.994	164	922m	0.27	ug/L	
73) 2-Hexanone	9.152	43	2238	0.40	ug/L #	58

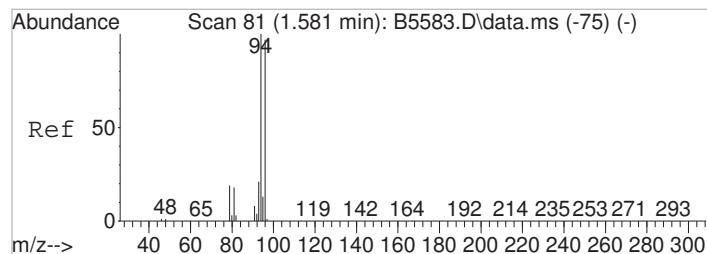
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5790.D
Acq On : 16 Sep 2022 6:27 pm
Operator : F.NAEGLER
Sample : R2208645-010|1.0
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA10

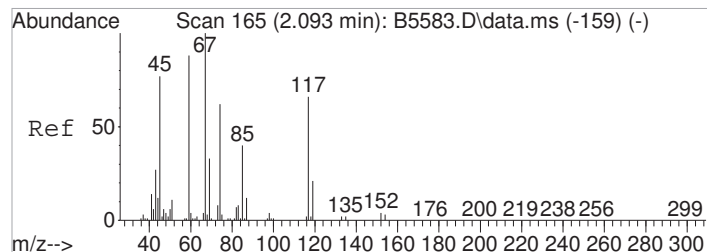
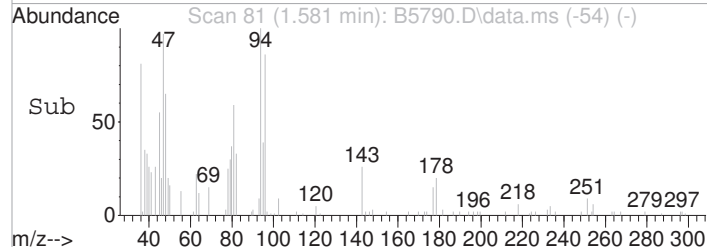
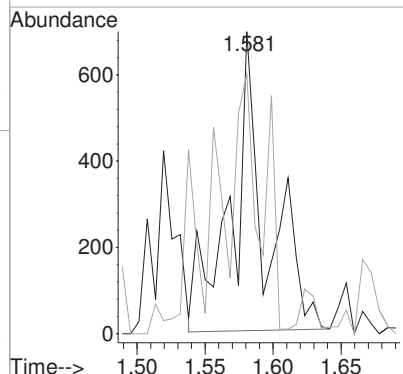
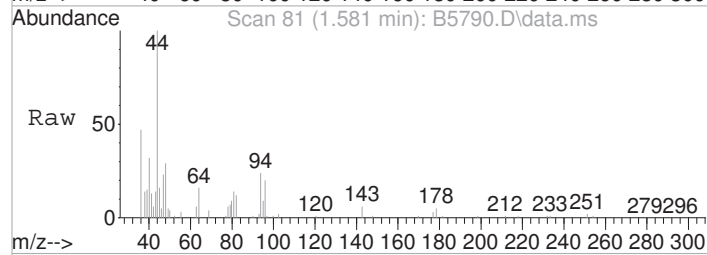
Quant Time: Sep 19 15:23:24 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration





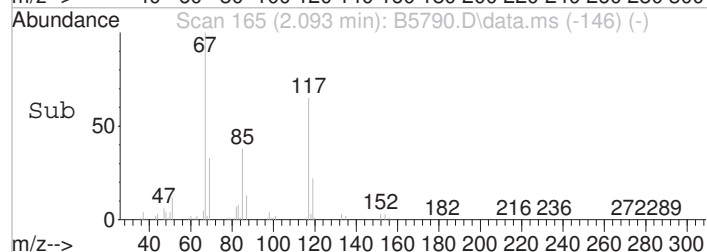
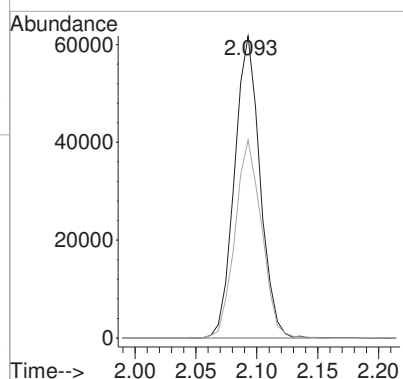
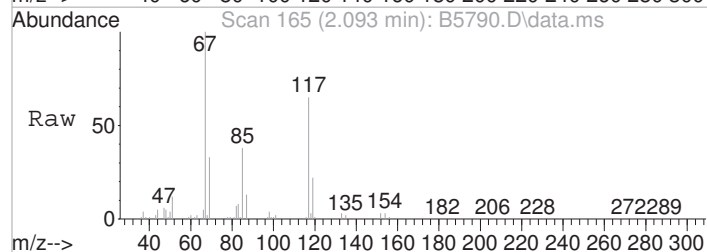
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

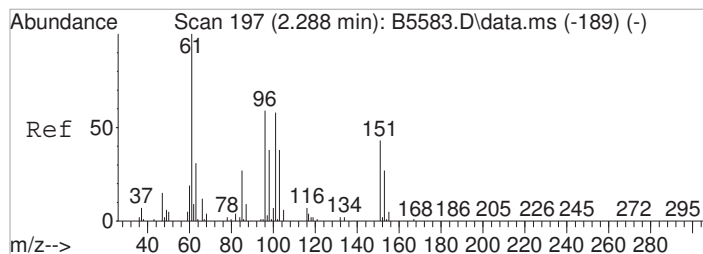
Tgt Ion: 94 Resp: 1211
 Ion Ratio Lower Upper
 94 100
 96 86.1 77.0 117.0



#11
 Freon 123a
 Concen: 16.75 ug/L
 RT: 2.093 min Scan# 165
 Delta R.T. -0.000 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

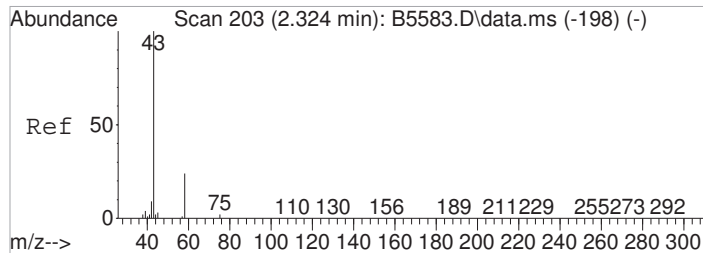
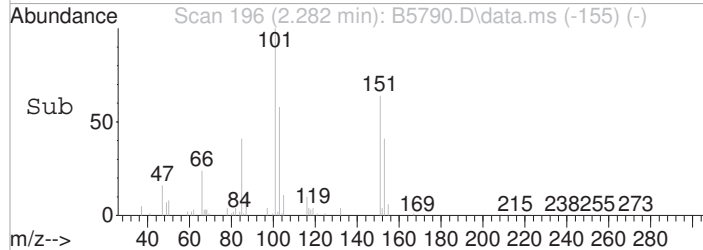
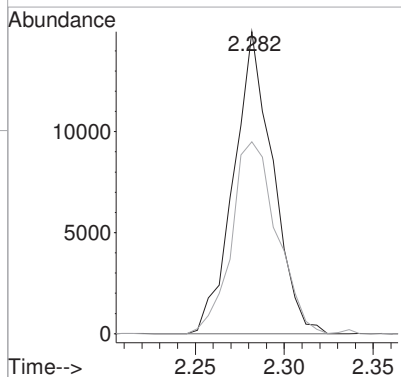
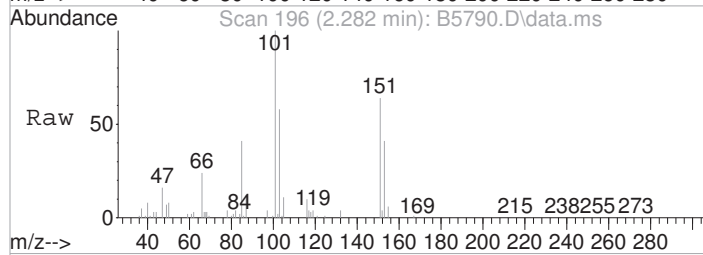
Tgt Ion: 67 Resp: 89972
 Ion Ratio Lower Upper
 67 100
 117 65.5 46.2 86.2





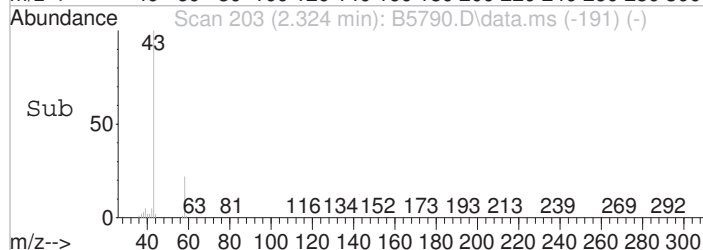
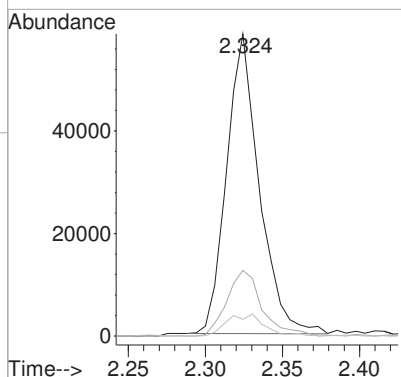
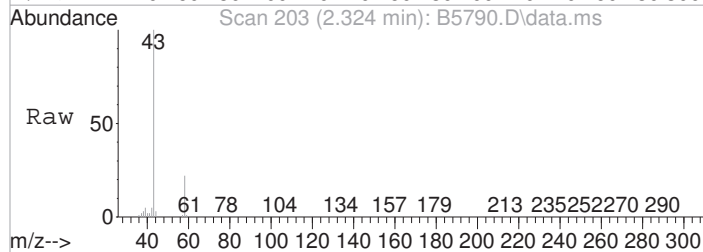
#15
 Freon 113
 Concen: 5.42 ug/L
 RT: 2.282 min Scan# 196
 Delta R.T. -0.006 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

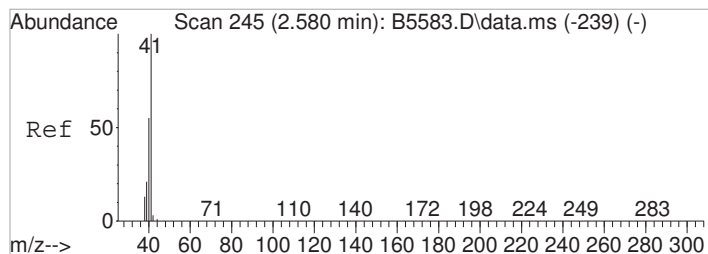
Tgt Ion: 101 Resp: 22971
 Ion Ratio Lower Upper
 101 100
 151 63.6 54.0 94.0



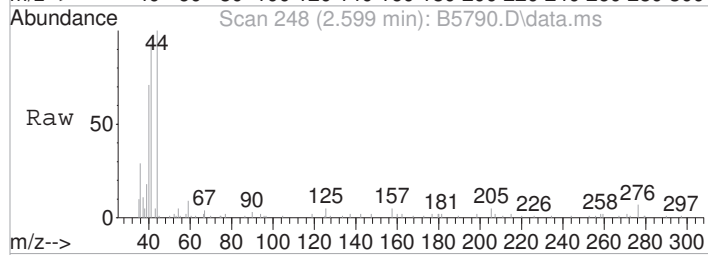
#16
 Acetone
 Concen: 33.20 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

Tgt Ion: 43 Resp: 86179
 Ion Ratio Lower Upper
 43 100
 58 21.6 3.7 43.7
 42 5.4 0.0 28.6

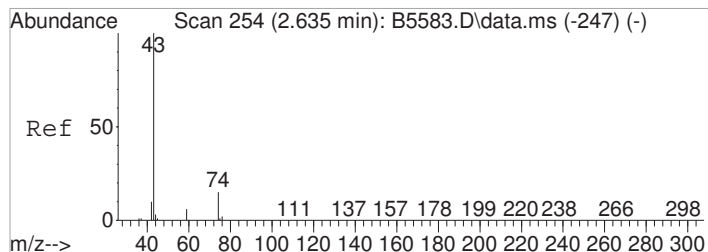
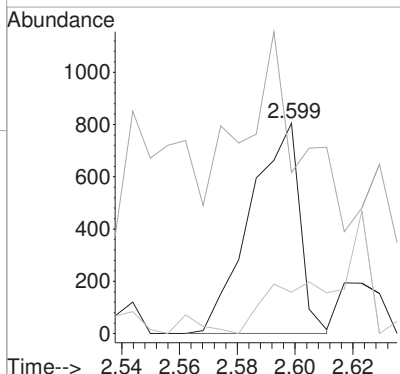
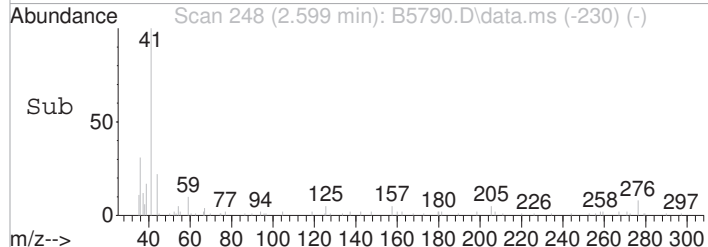




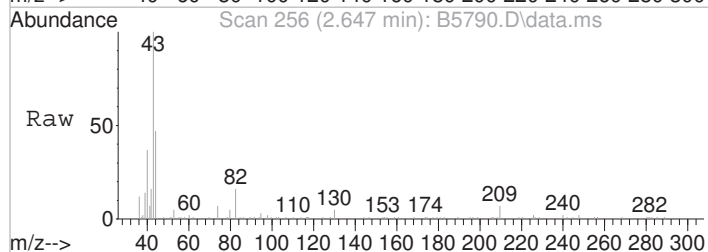
#20
 Acetonitrile
 Concen: 0.92 ug/L
 RT: 2.599 min Scan# 248
 Delta R.T. 0.018 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm



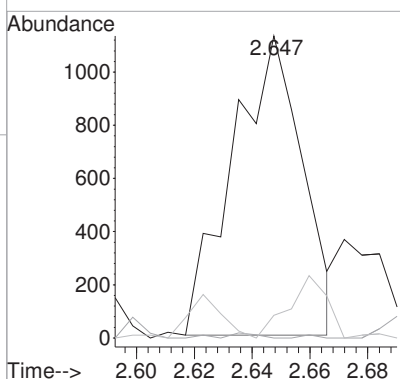
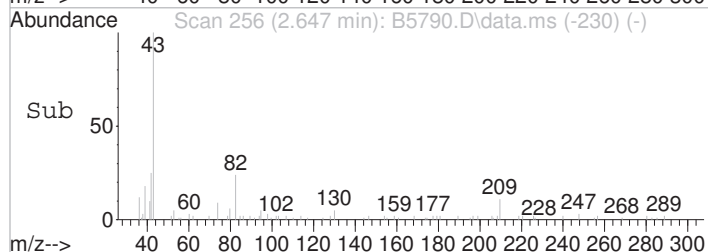
Tgt Ion: 41 Resp: 957
 Ion Ratio Lower Upper
 41 100
 40 76.5 35.0 75.0#
 39 19.6 1.5 41.5

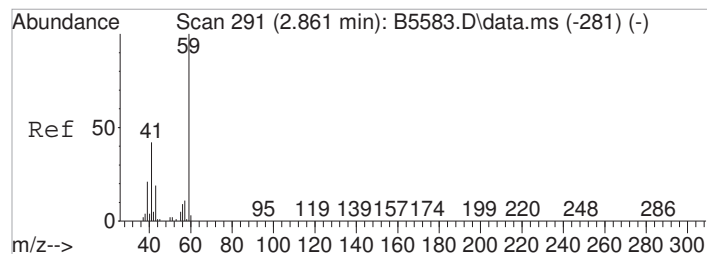


#22
 Methyl Acetate
 Concen: 0.30 ug/L
 RT: 2.647 min Scan# 256
 Delta R.T. 0.012 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

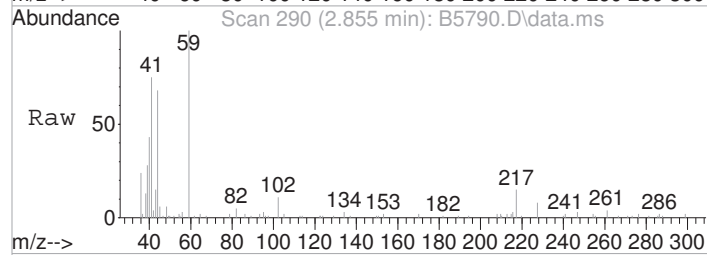


Tgt Ion: 43 Resp: 1899
 Ion Ratio Lower Upper
 43 100
 59 0.0 0.0 26.1
 74 7.5 0.0 35.3

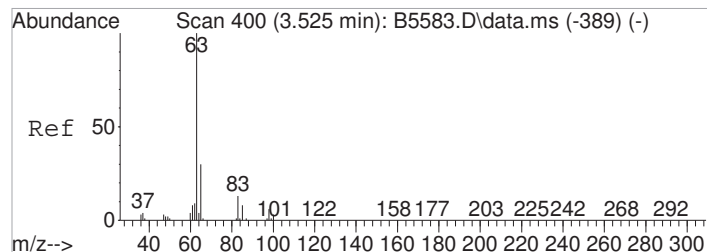
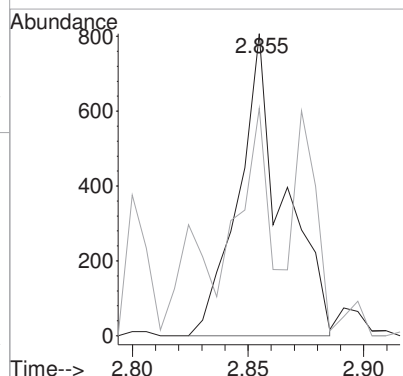
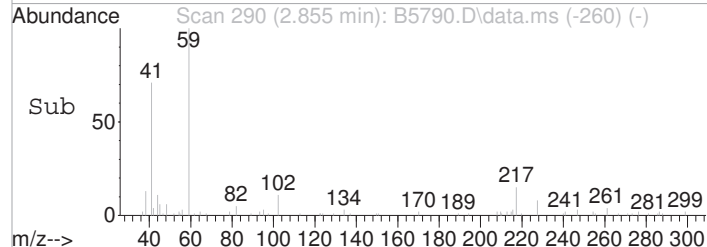




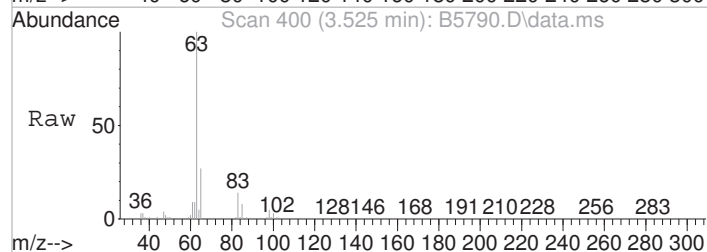
#24
 TBA
 Concen: 1.78 ug/L
 RT: 2.855 min Scan# 290
 Delta R.T. -0.006 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm



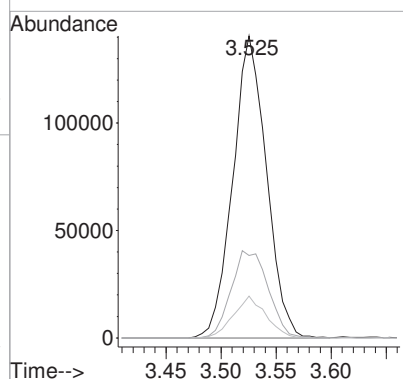
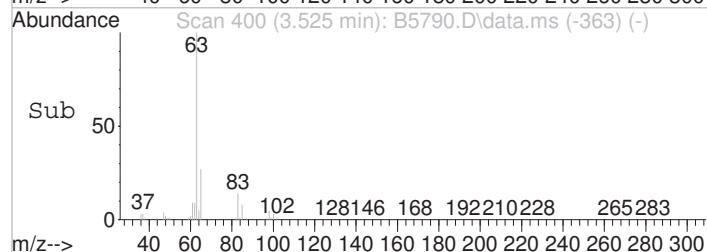
Tgt Ion: 59 Resp: 1083
 Ion Ratio Lower Upper
 59 100
 41 75.3 21.6 61.6#

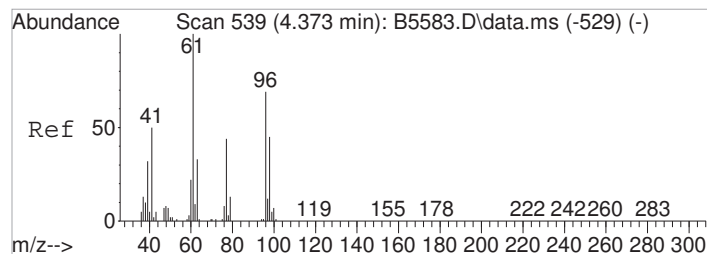


#28
 1,1-Dicethane
 Concen: 37.24 ug/L
 RT: 3.525 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm



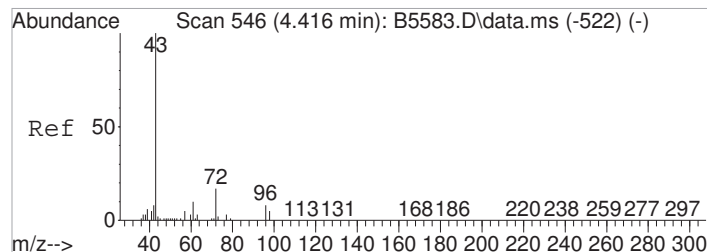
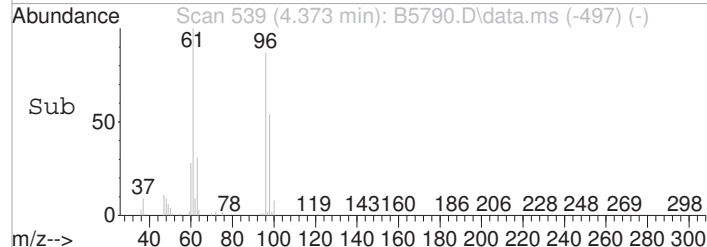
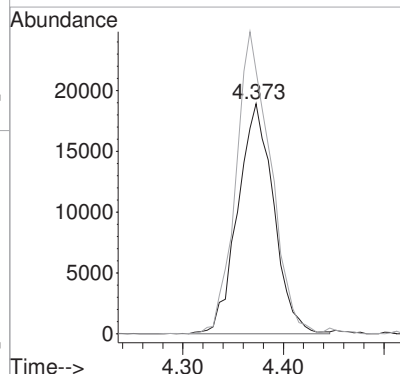
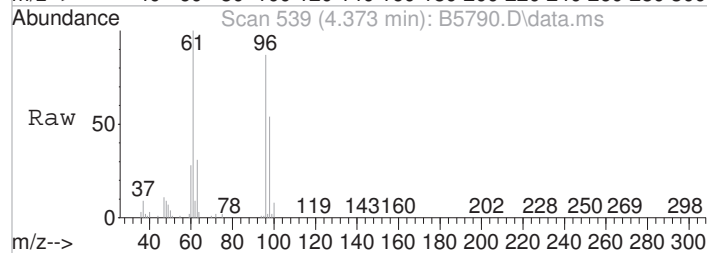
Tgt Ion: 63 Resp: 297614
 Ion Ratio Lower Upper
 63 100
 65 27.3 10.5 50.5
 83 13.9 0.0 33.0





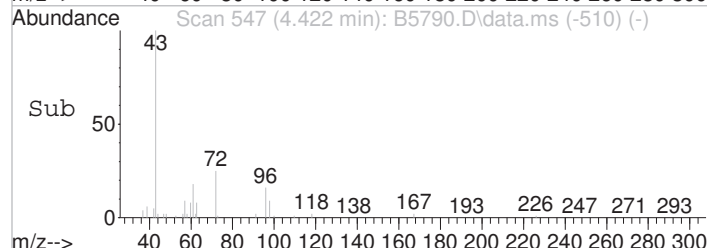
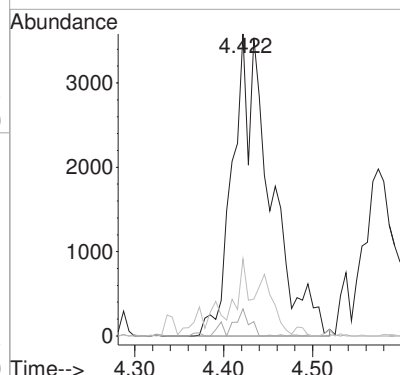
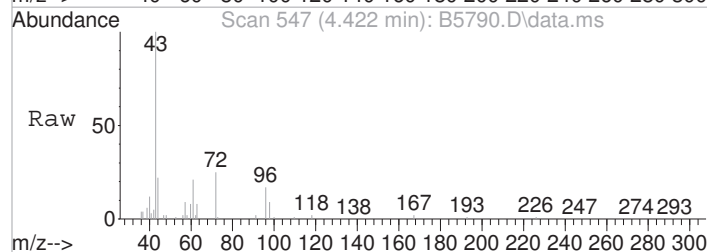
#34
 cis-1,2-Dichloroethene
 Concen: 9.37 ug/L
 RT: 4.373 min Scan# 539
 Delta R.T. -0.000 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

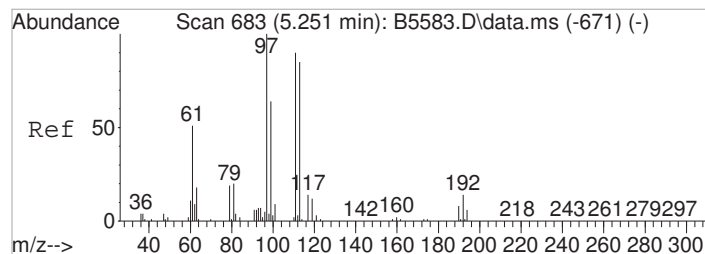
Tgt Ion: 96 Resp: 46900
 Ion Ratio Lower Upper
 96 100
 61 114.3 124.4 164.4#



#35
 2-Butanone
 Concen: 2.45 ug/L
 RT: 4.422 min Scan# 547
 Delta R.T. 0.006 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

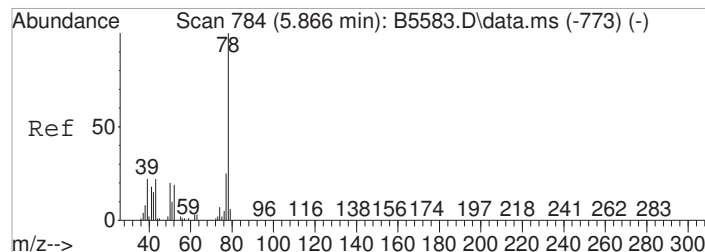
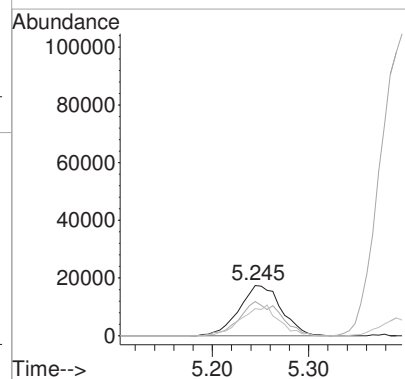
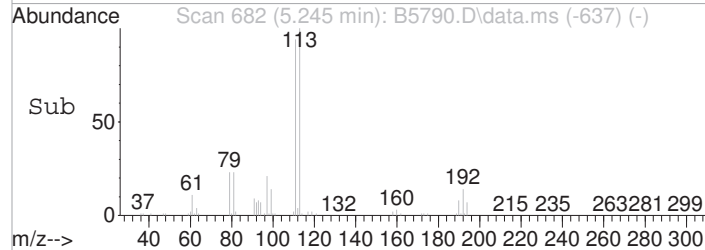
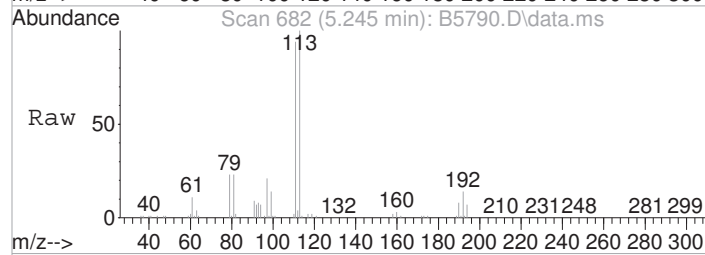
Tgt Ion: 43 Resp: 10624
 Ion Ratio Lower Upper
 43 100
 57 8.9 0.0 25.3
 72 25.5 0.0 36.8





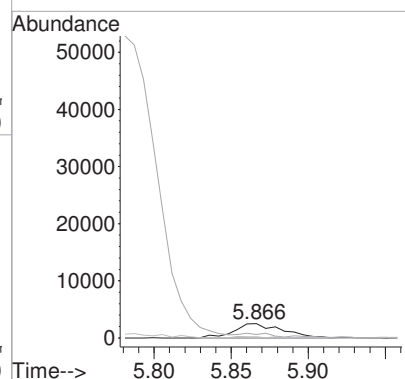
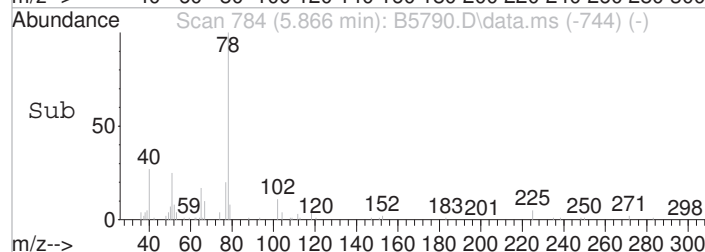
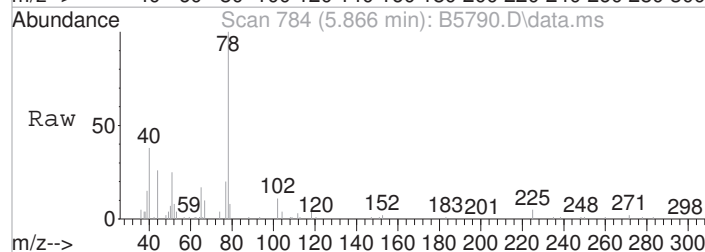
#41
 1,1,1-Trichloroethane
 Concen: 8.72 ug/L
 RT: 5.245 min Scan# 682
 Delta R.T. -0.006 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

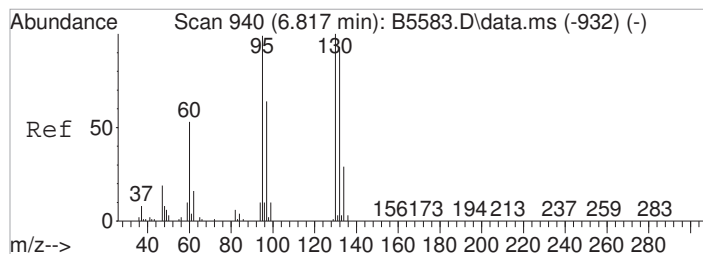
Tgt Ion:	97	Resp:	52551
Ion Ratio	Lower	Upper	
97	100		
99	67.9	44.2	84.2
61	54.4	31.1	71.1



#48
 Benzene
 Concen: 0.31 ug/L
 RT: 5.866 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

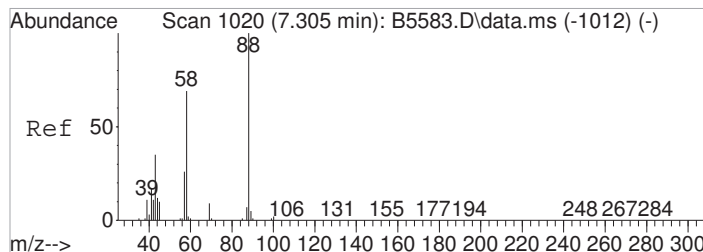
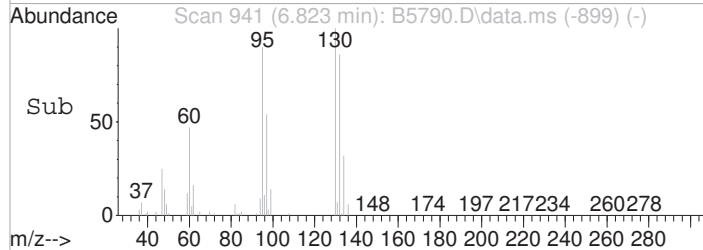
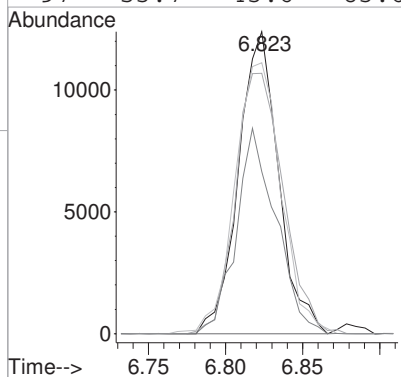
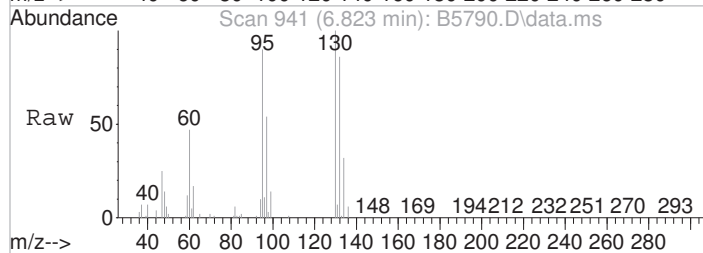
Tgt Ion:	78	Resp:	5440
Ion Ratio	Lower	Upper	
78	100		
51	24.6	1.4	41.4
52	7.5	0.0	39.7





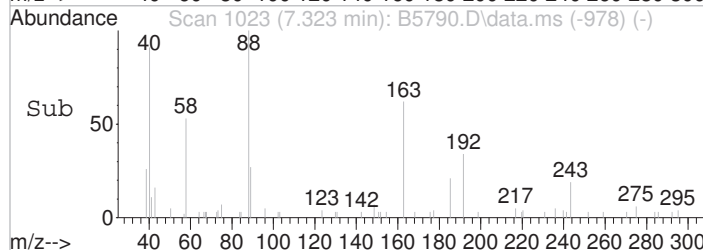
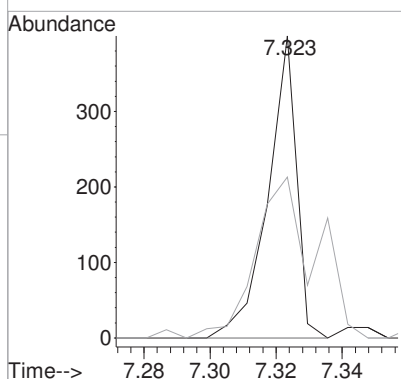
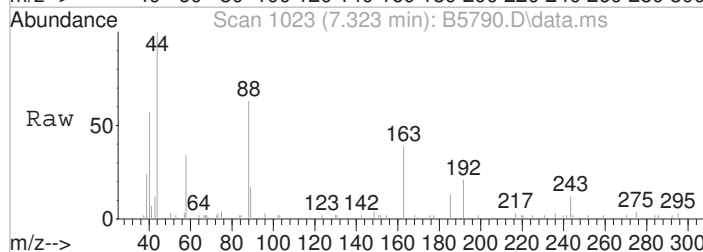
#54
 Trichloroethene
 Concen: 4.81 ug/L
 RT: 6.823 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

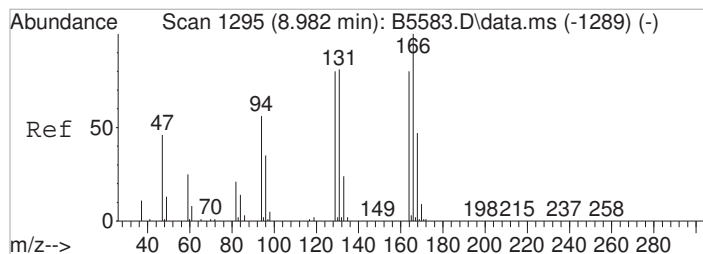
Tgt Ion:	130	Resp:	22401
Ion Ratio	Lower	Upper	
130	100		
132	86.2	73.4	113.4
95	89.8	78.6	118.6
97	53.7	43.6	83.6



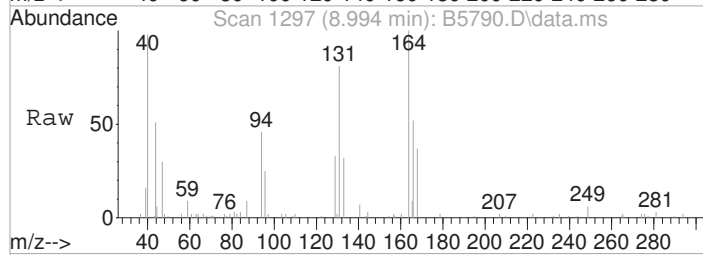
#58
 1,4-Dioxane
 Concen: 2.55 ug/L
 RT: 7.323 min Scan# 1023
 Delta R.T. 0.018 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm

Tgt Ion:	88	Resp:	240
Ion Ratio	Lower	Upper	
88	100		
58	53.3	49.1	89.1

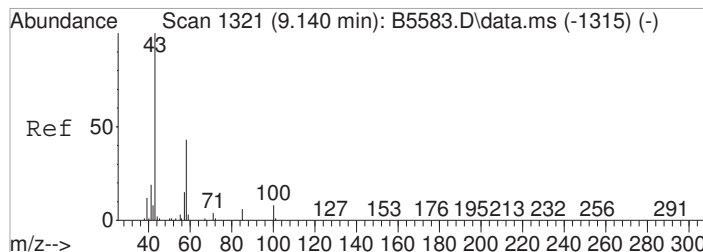
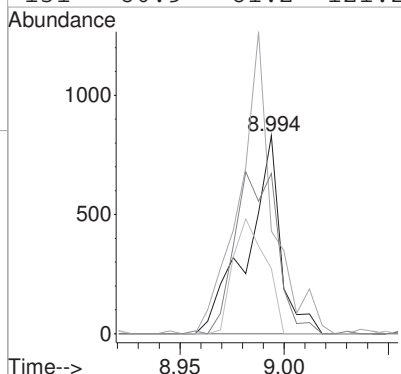
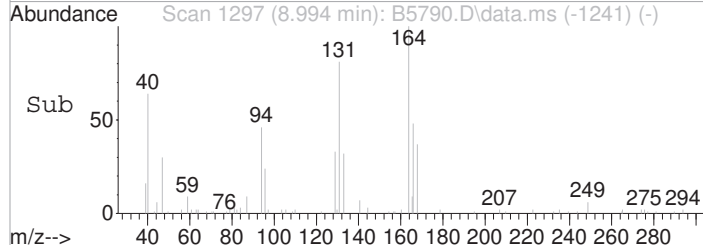




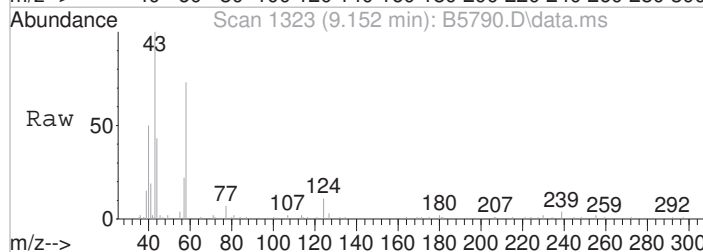
#72
 Tetrachloroethene
 Concen: 0.27 ug/L m
 RT: 8.994 min Scan# 1297
 Delta R.T. 0.012 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm



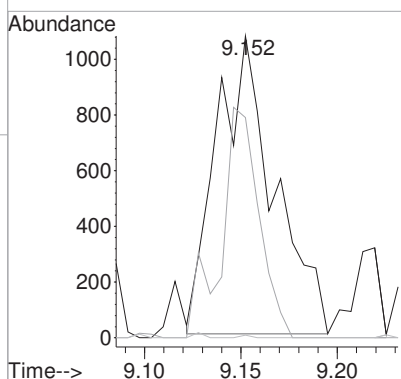
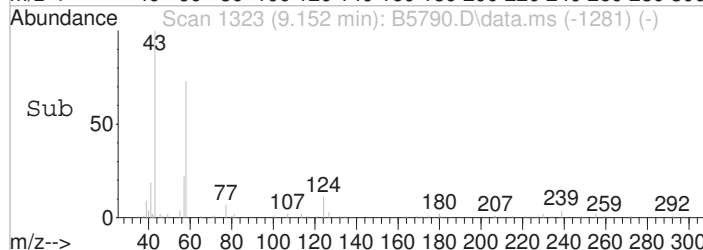
Tgt Ion: 164	Resp: 922
Ion Ratio	Lower Upper
164	100
166	51.9 105.4 145.4#
129	33.0 80.2 120.2#
131	80.9 81.2 121.2#



#73
 2-Hexanone
 Concen: 0.40 ug/L
 RT: 9.152 min Scan# 1323
 Delta R.T. 0.012 min
 Lab File: B5790.D
 Acq: 16 Sep 2022 6:27 pm



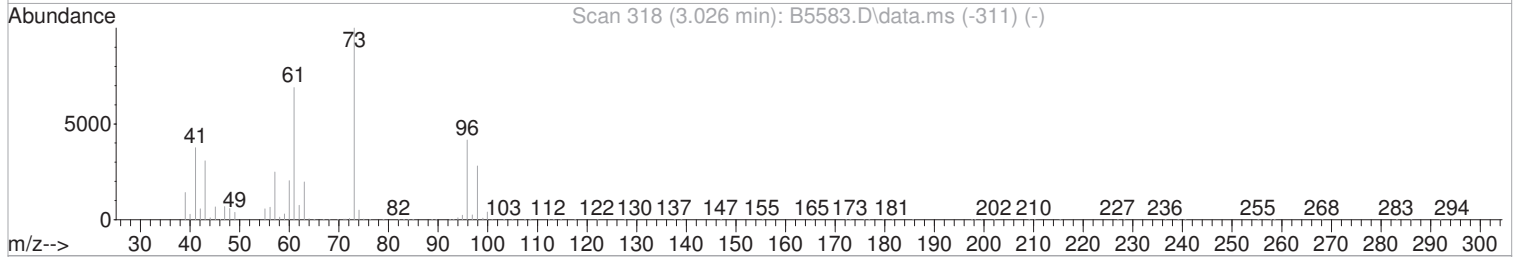
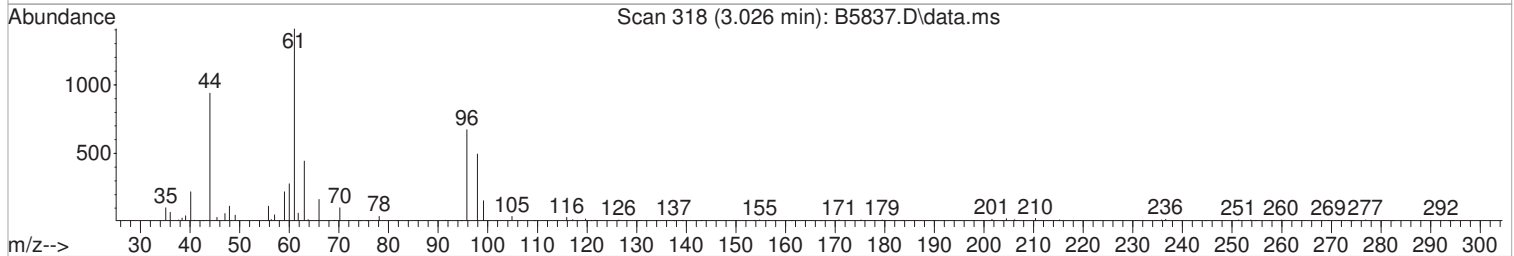
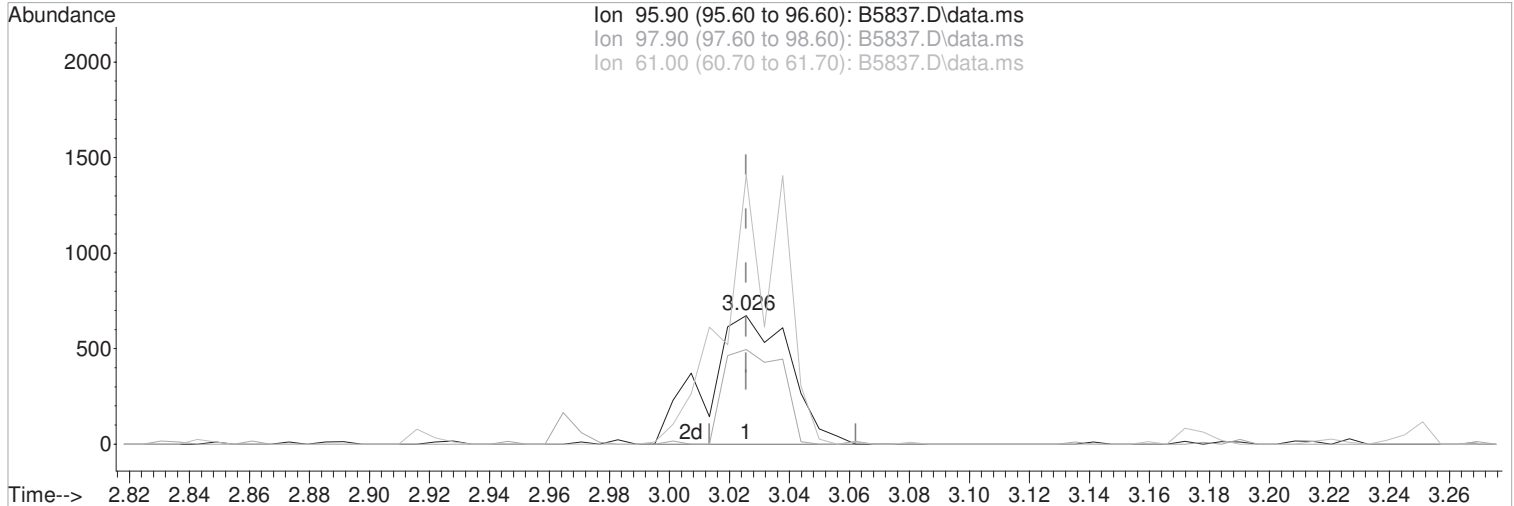
Tgt Ion: 43	Resp: 2238
Ion Ratio	Lower Upper
43	100
58	73.0 23.2 63.2#
100	0.9 0.0 28.2



Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5837.D
Acq On : 17 Sep 2022 2:33 pm
Operator : F.NAEGLER
Sample : R2208645-011|1.0
Misc : VCG 7979 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 14:56:05 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5837.D\data.ms

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

3.026min (-0.000) 0.32 ug/L m

response 1302

Ion	Exp%	Act%
95.90	100	100
97.90	67.30	73.70
61.00	165.80	209.21#
0.00	0.00	0.00

Manual Integration:

After

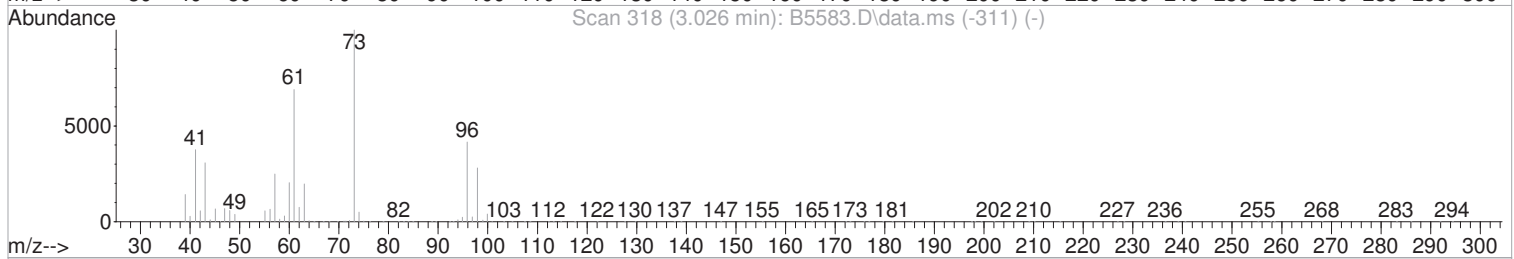
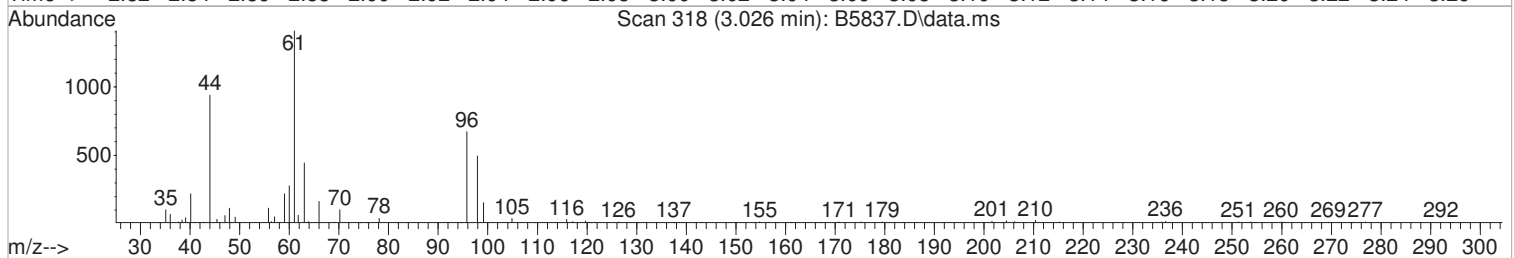
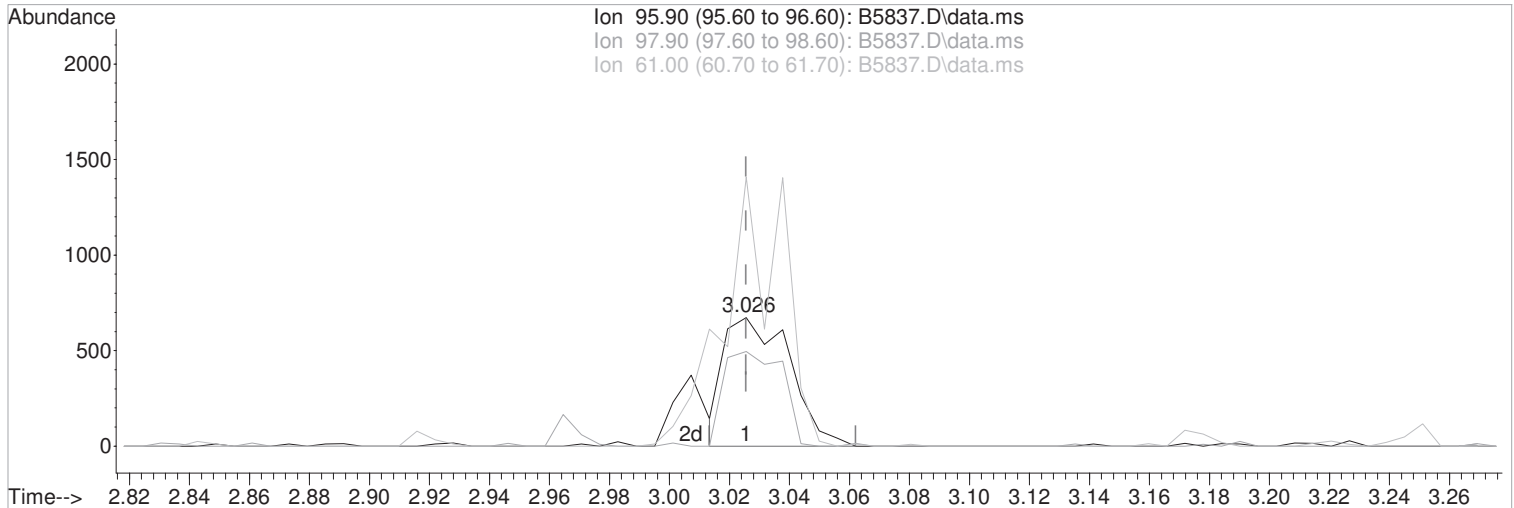
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5837.D
Acq On : 17 Sep 2022 2:33 pm
Operator : F.NAEGLER
Sample : R2208645-011|1.0
Misc : VCG 7979 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 14:56:05 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5837.D\data.ms

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

Manual Integration:

3.026min (-0.000) 0.25 ug/L

Before

response 1030

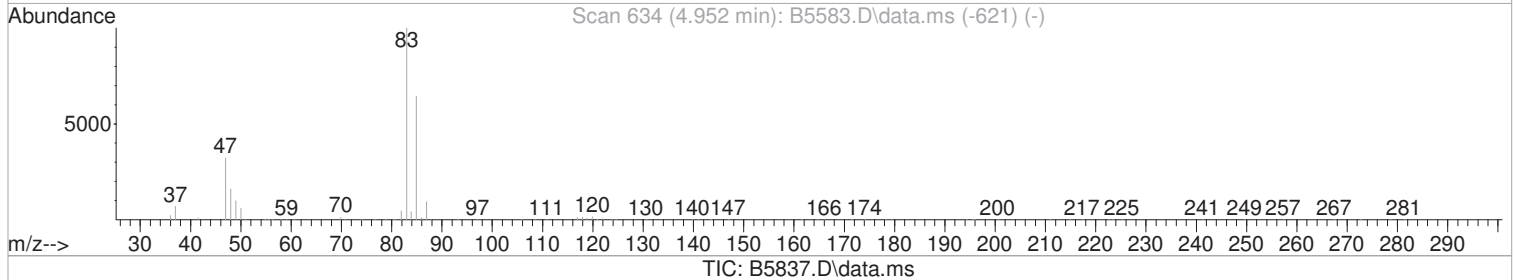
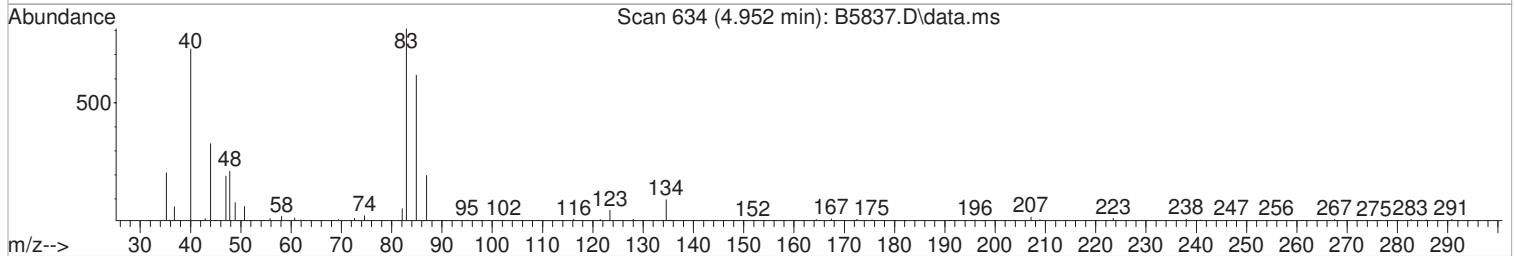
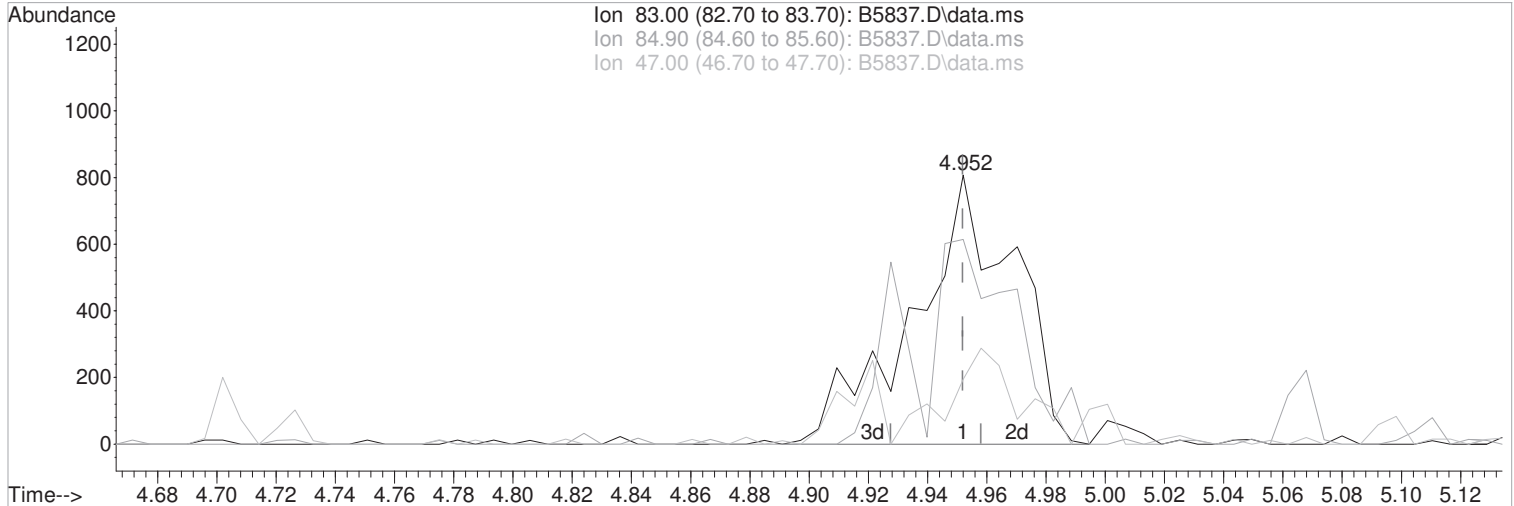
Ion	Exp%	Act%
95.90	100	100
97.90	67.30	73.70
61.00	165.80	209.21#
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5837.D
Acq On : 17 Sep 2022 2:33 pm
Operator : F.NAEGLER
Sample : R2208645-011|1.0
Misc : VCG 7979 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 14:56:05 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



(40) Chloroform (P)

Manual Integration:

4.952min (-0.000) 0.24 ug/L m

After

response 1907

Poor integration.

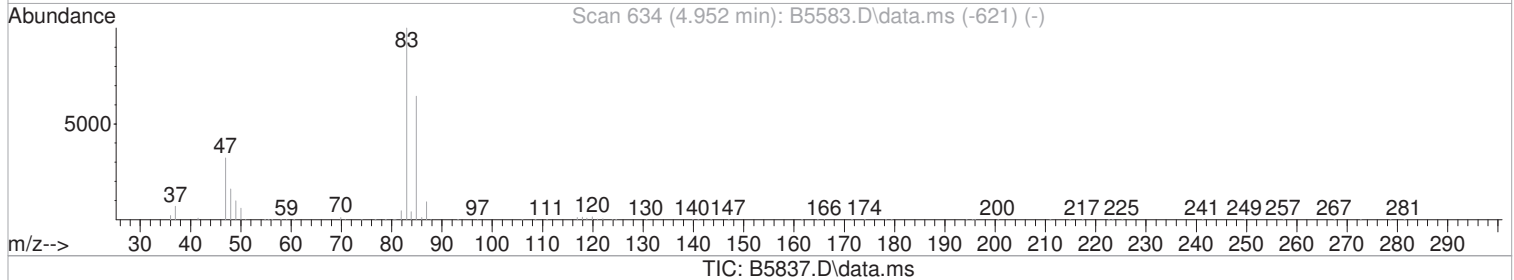
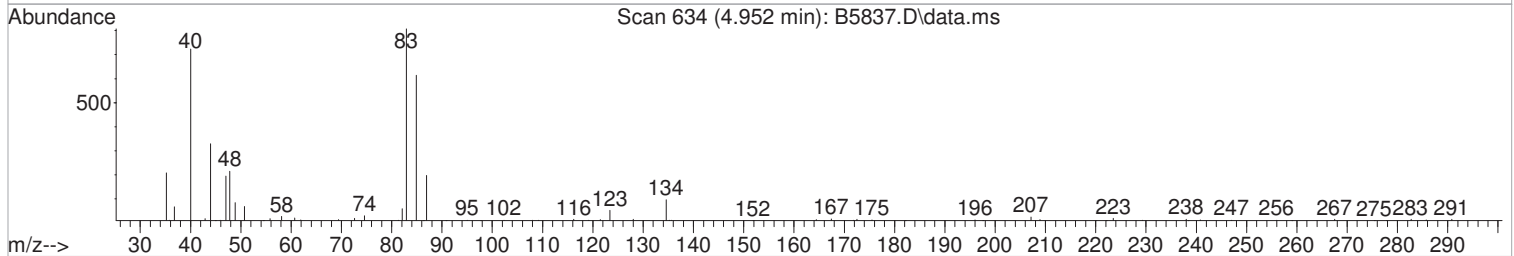
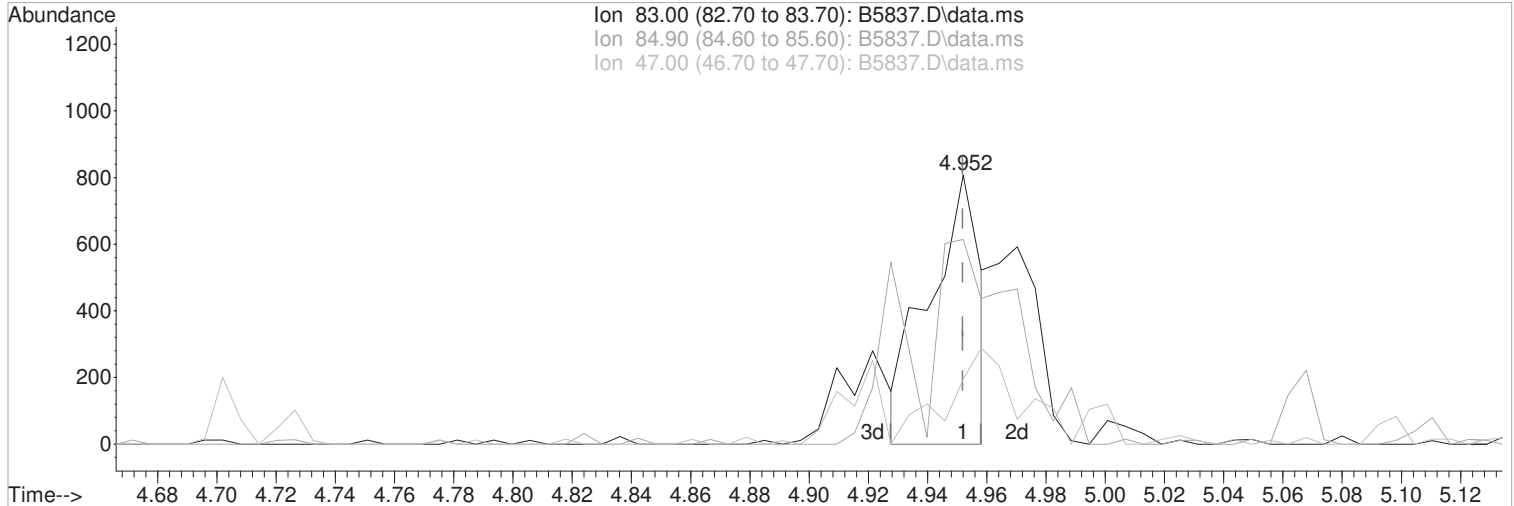
Ion	Exp%	Act%
83.00	100	100
84.90	64.40	76.08
47.00	32.20	24.16
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5837.D
Acq On : 17 Sep 2022 2:33 pm
Operator : F.NAEGLER
Sample : R2208645-011|1.0
Misc : VCG 7979 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 14:56:05 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



(40) Chloroform (P)

Manual Integration:

4.952min (-0.000) 0.12 ug/L

Before

response 968

Ion	Exp%	Act%
83.00	100	100
84.90	64.40	76.08
47.00	32.20	24.16
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5837.D
 Acq On : 17 Sep 2022 2:33 pm
 Operator : F.NAEGLER
 Sample : R2208645-011|1.0
 Misc : VCG 7979 T4
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

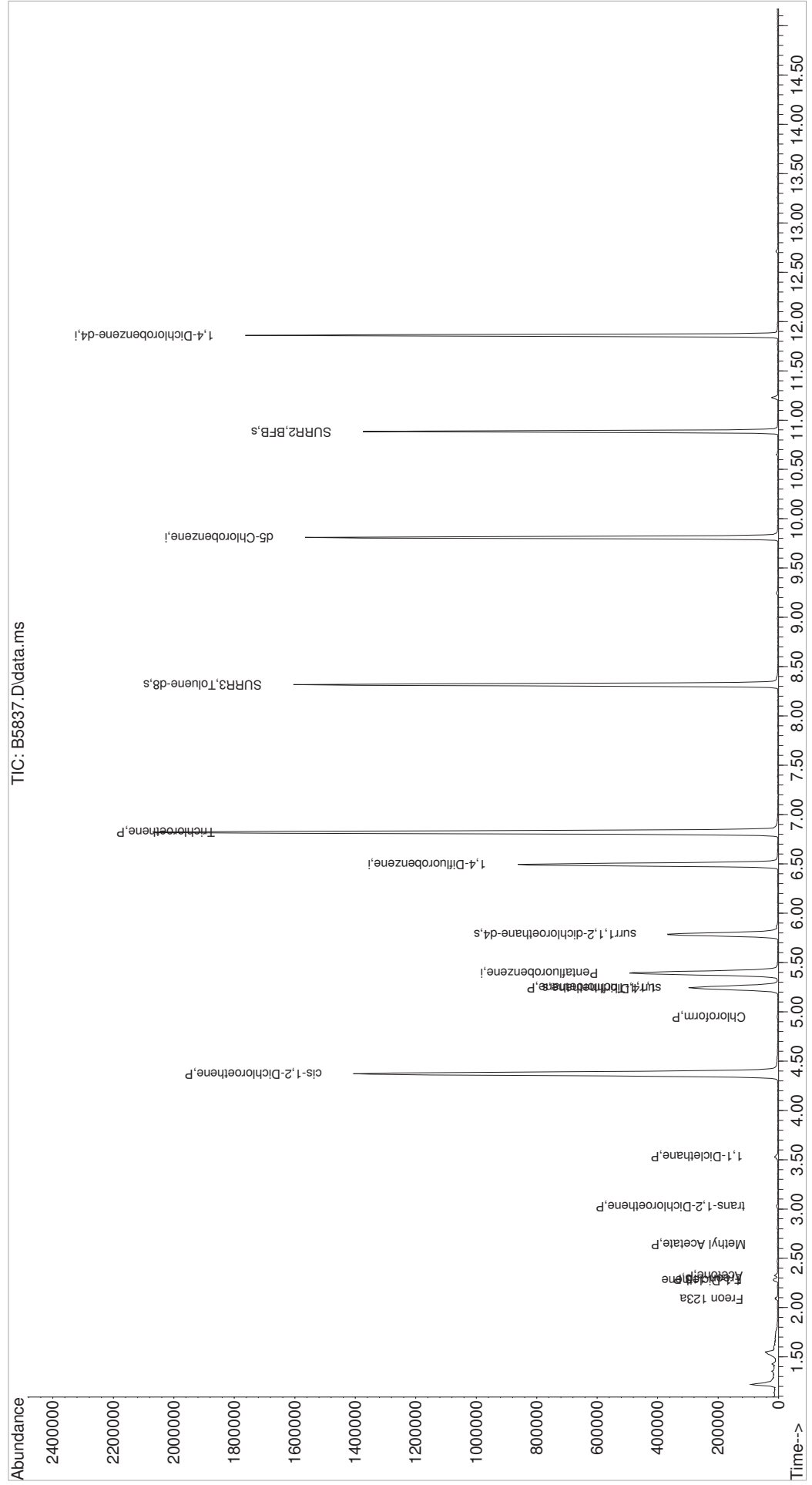
Quant Time: Sep 19 17:17:22 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

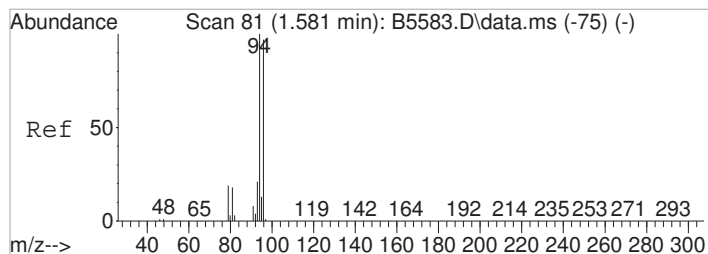
Compound		R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards							
1) Pentafluorobenzene		5.391	168	419061	50.00	ug/L	0.00
42) 1,4-Difluorobenzene		6.494	114	728716	50.00	ug/L	0.00
71) d5-Chlorobenzene		9.811	117	646103	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4		11.859	152	307794	50.00	ug/L	0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane		5.238	113	238553	51.19	ug/L	-0.01
Spiked Amount	50.000	Range 80	- 116	Recovery	=	102.38%	
47) surr1,1,2-dichloroetha...		5.781	65	315505	52.73	ug/L	0.00
Spiked Amount	50.000	Range 73	- 125	Recovery	=	105.46%	
65) SURR3,Toluene-d8		8.317	98	907579	51.11	ug/L	0.00
Spiked Amount	50.000	Range 87	- 121	Recovery	=	102.22%	
70) SURR2,BFB		10.884	95	337318	50.43	ug/L	0.00
Spiked Amount	50.000	Range 85	- 122	Recovery	=	100.86%	
Target Compounds							
6) Bromomethane		1.581	94	1090	Below Cal	#	19
11) Freon 123a		2.087	67	3147	0.61	ug/L	80
14) 1,1-Diclethene		2.276	96	4076	1.10	ug/L	85
15) Freon 113		2.288	101	1695	0.42	ug/L	# 53
16) Acetone		2.324	43	10136	4.09	ug/L	87
22) Methyl Acetate		2.641	43	1813	0.30	ug/L	78
27) trans-1,2-Dichloroethene		3.026	96	1302m	0.32	ug/L	
28) 1,1-Dicethane		3.531	63	9796	1.28	ug/L	95
34) cis-1,2-Dichloroethene		4.373	96	760909	159.31	ug/L	94
40) Chloroform		4.952	83	1907m	0.24	ug/L	
41) 1,1,1-Trichloroethane		5.245	97	5549	0.97	ug/L	# 77
54) Trichloroethene		6.824	130	699658	153.52	ug/L	98

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

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5837.D
 Acq On : 17 Sep 2022 2:33 pm
 Operator : F.NAEGLER
 Sample : R2208645-011|1.0
 Misc : VCG 7979 T4
 ALS Vial : 9 Sample Multiplier: 1
 Inst : MSVOA10

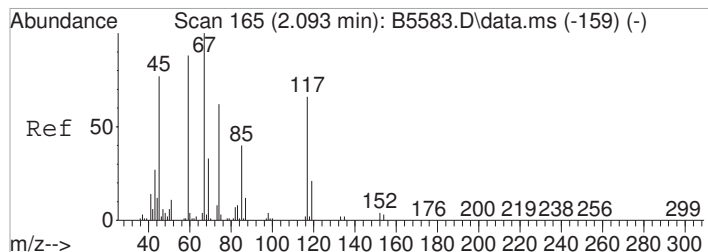
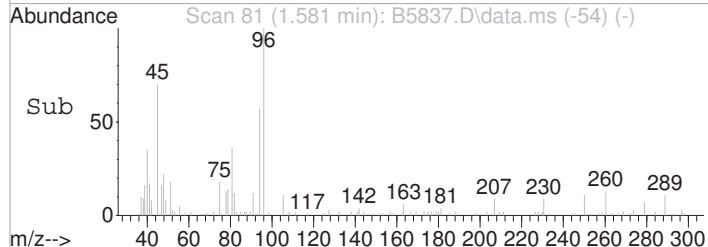
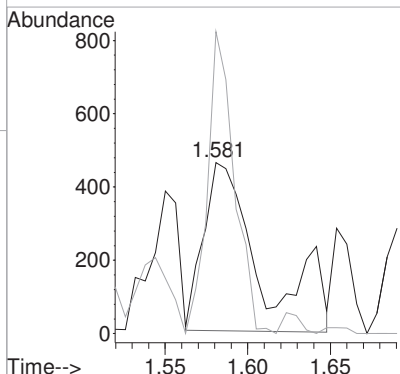
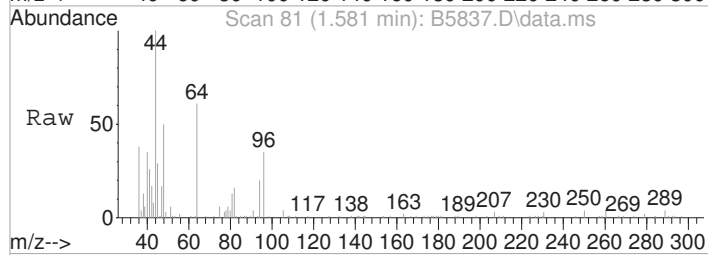
Quant Time: Sep 19 17:17:22 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





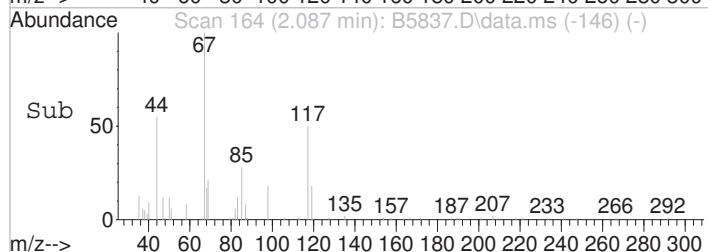
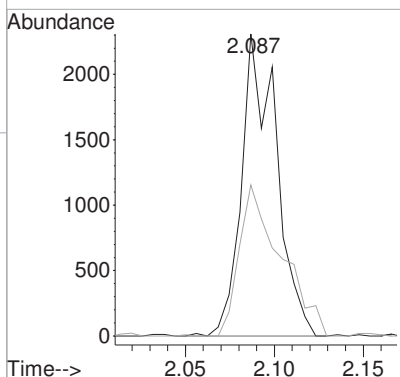
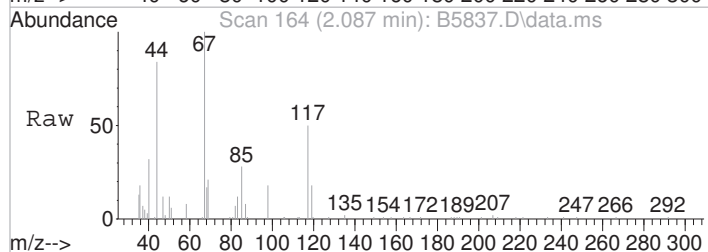
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

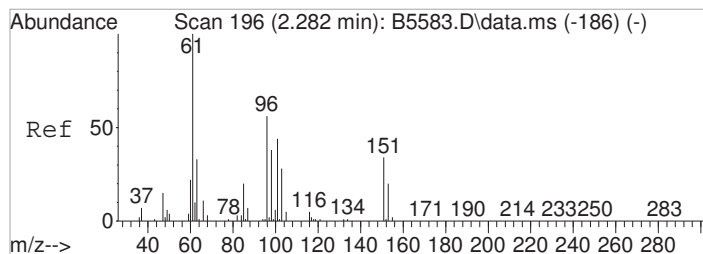
Tgt Ion: 94 Resp: 1090
 Ion Ratio Lower Upper
 94 100
 96 176.4 77.0 117.0#



#11
 Freon 123a
 Concen: 0.61 ug/L
 RT: 2.087 min Scan# 164
 Delta R.T. -0.006 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

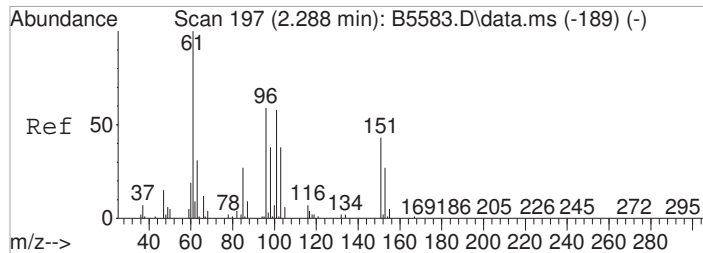
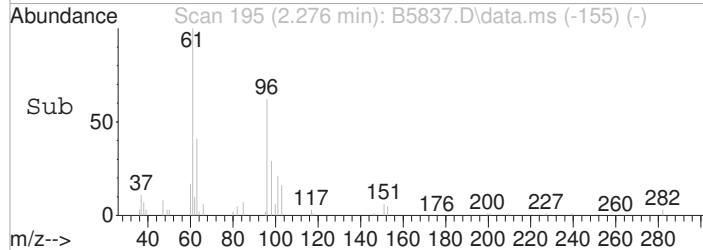
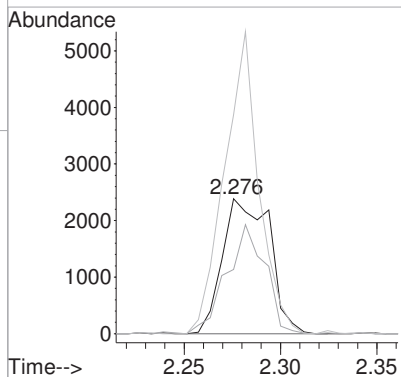
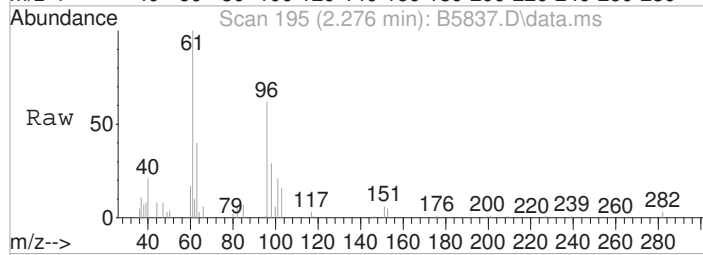
Tgt Ion: 67 Resp: 3147
 Ion Ratio Lower Upper
 67 100
 117 50.0 46.2 86.2





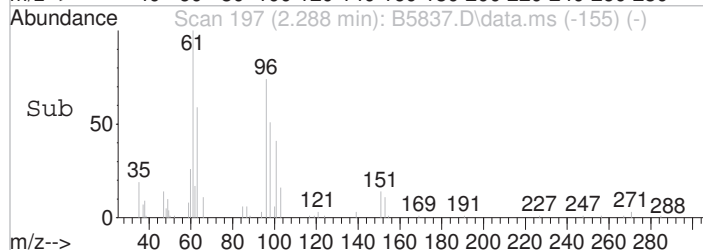
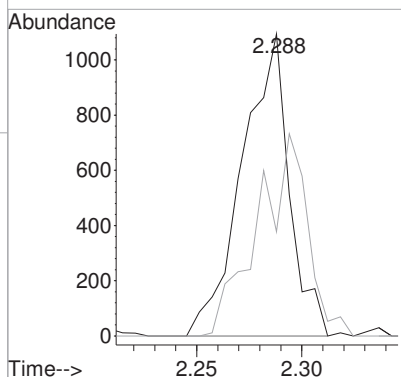
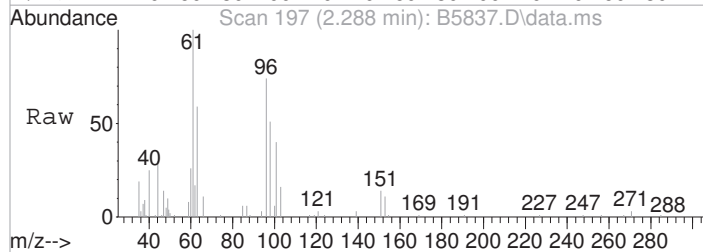
#14
 1,1-Dicloroethene
 Concen: 1.10 ug/L
 RT: 2.276 min Scan# 195
 Delta R.T. -0.006 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

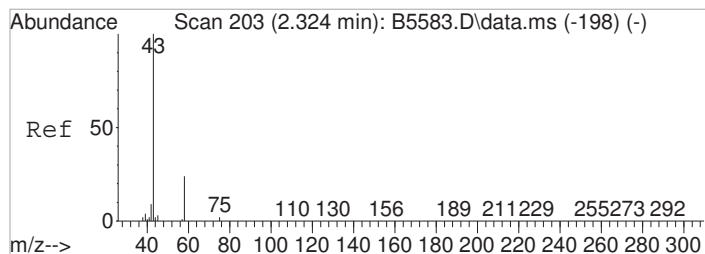
Tgt Ion: 96 Resp: 4076
 Ion Ratio Lower Upper
 96 100
 98 47.7 47.5 87.5
 61 162.4 158.2 198.2



#15
 Freon 113
 Concen: 0.42 ug/L
 RT: 2.288 min Scan# 197
 Delta R.T. -0.000 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

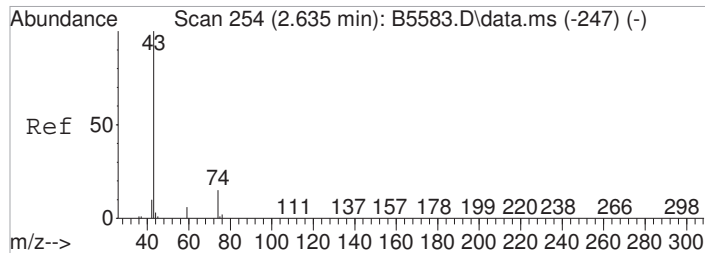
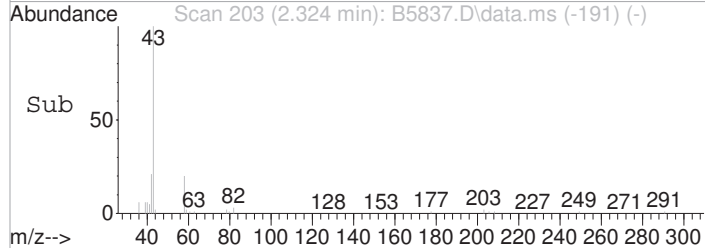
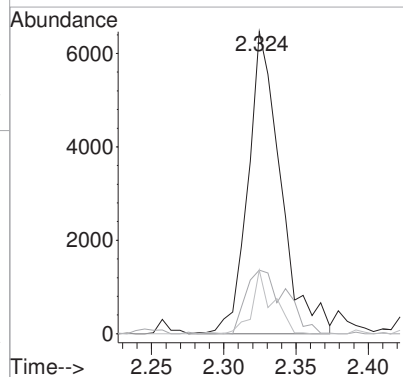
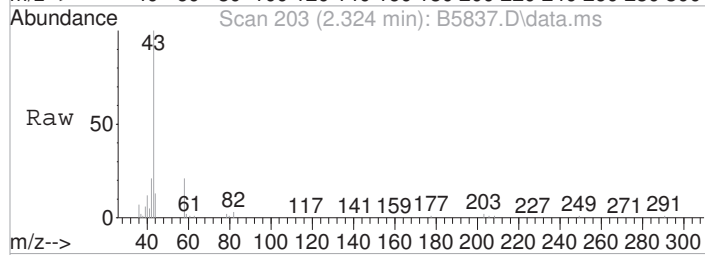
Tgt Ion: 101 Resp: 1695
 Ion Ratio Lower Upper
 101 100
 151 34.6 54.0 94.0#





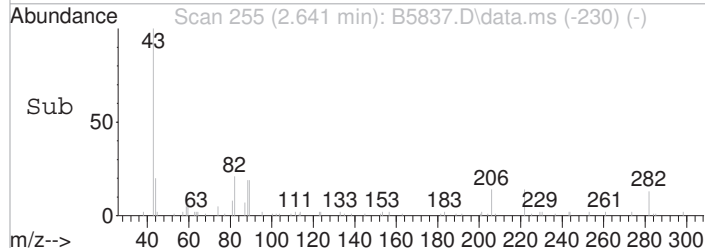
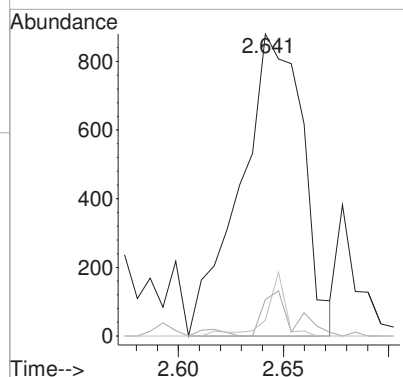
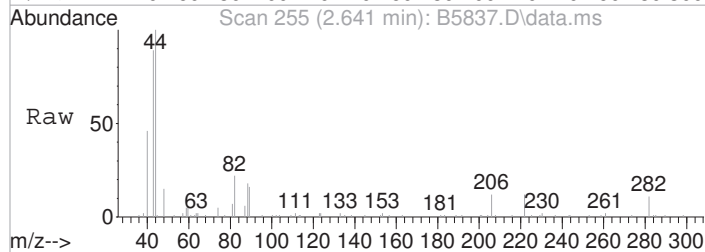
#16
 Acetone
 Concen: 4.09 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

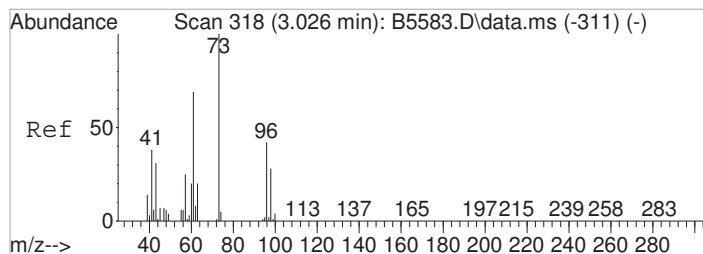
Tgt Ion	43	Resp	10136
Ion Ratio	Lower	Upper	
43	100		
58	21.1	3.7	43.7
42	21.0	0.0	28.6



#22
 Methyl Acetate
 Concen: 0.30 ug/L
 RT: 2.641 min Scan# 255
 Delta R.T. 0.006 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

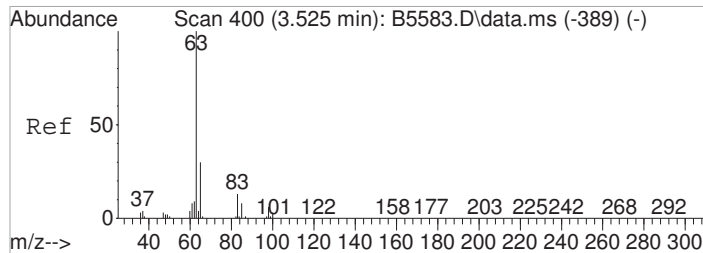
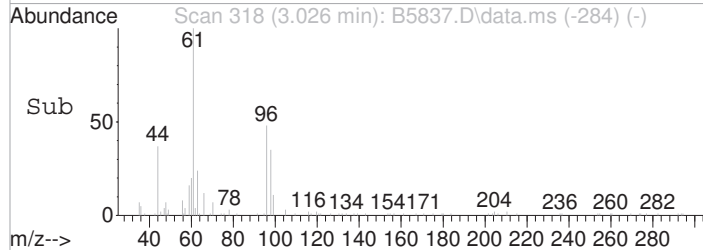
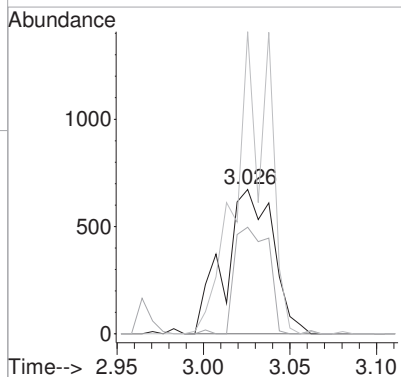
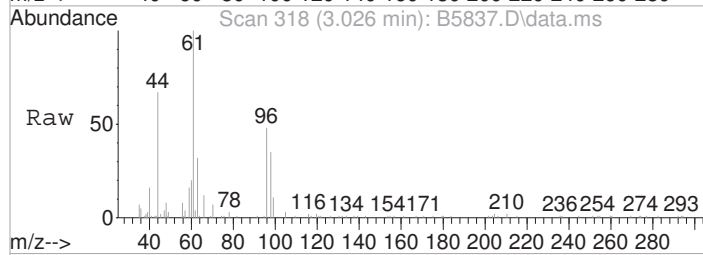
Tgt Ion	43	Resp	1813
Ion Ratio	Lower	Upper	
43	100		
59	12.0	0.0	26.1
74	5.3	0.0	35.3





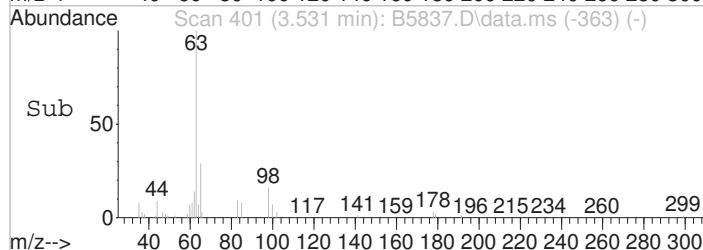
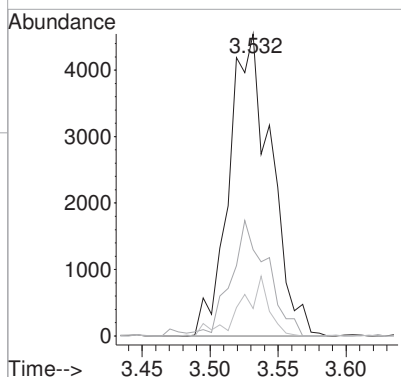
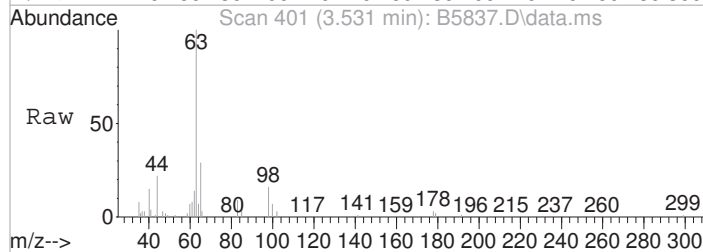
#27
 trans-1,2-Dichloroethene
 Concen: 0.32 ug/L m
 RT: 3.026 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

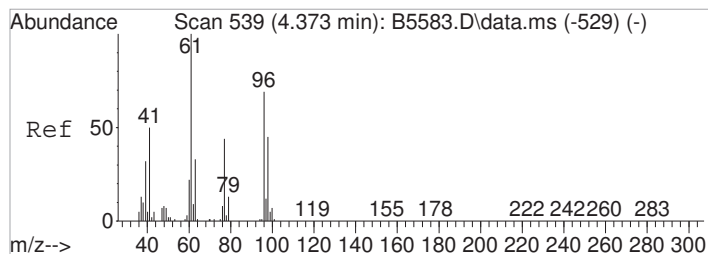
Tgt Ion: 96 Resp: 1302
 Ion Ratio Lower Upper
 96 100
 98 73.7 47.3 87.3
 61 209.2 145.8 185.8#



#28
 1,1-Dicethane
 Concen: 1.28 ug/L
 RT: 3.531 min Scan# 401
 Delta R.T. 0.006 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

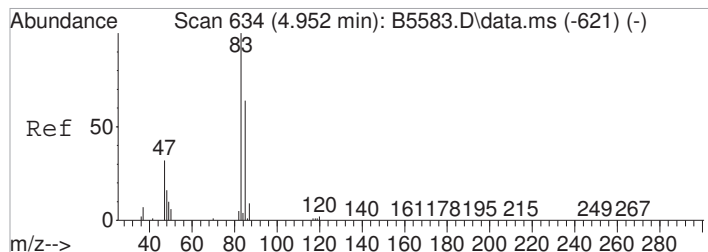
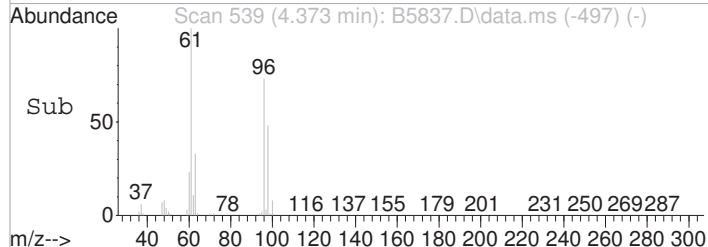
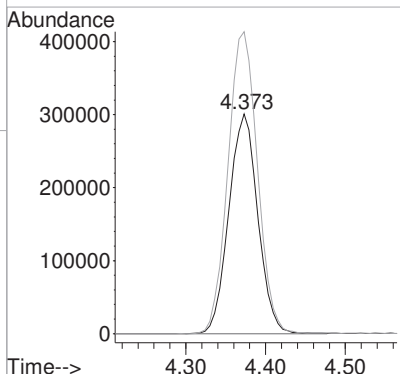
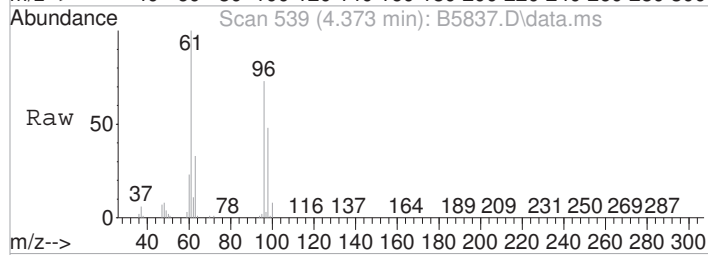
Tgt Ion: 63 Resp: 9796
 Ion Ratio Lower Upper
 63 100
 65 28.6 10.5 50.5
 83 9.1 0.0 33.0





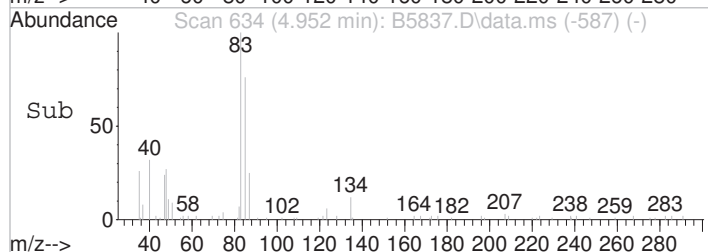
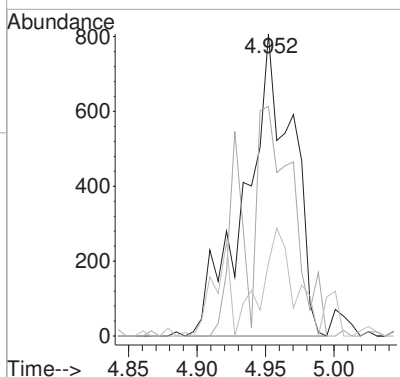
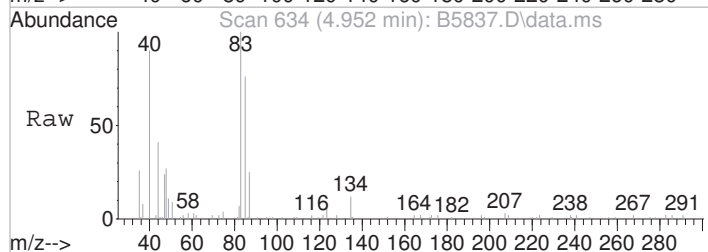
#34
 cis-1,2-Dichloroethene
 Concen: 159.31 ug/L
 RT: 4.373 min Scan# 539
 Delta R.T. -0.000 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

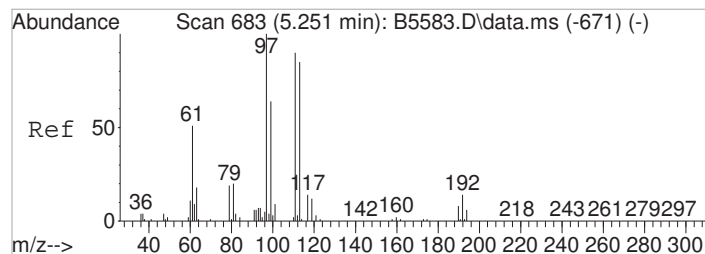
Tgt Ion	96	Resp	760909
Ion Ratio	Lower	Upper	
96	100		
61	137.5	124.4	164.4



#40
 Chloroform
 Concen: 0.24 ug/L m
 RT: 4.952 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

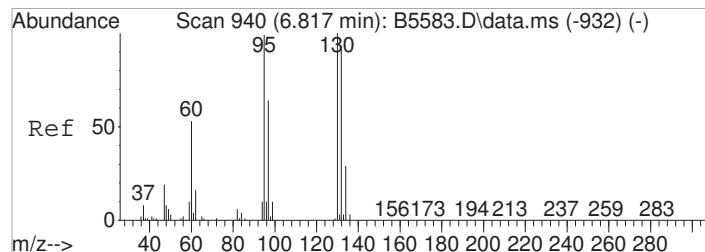
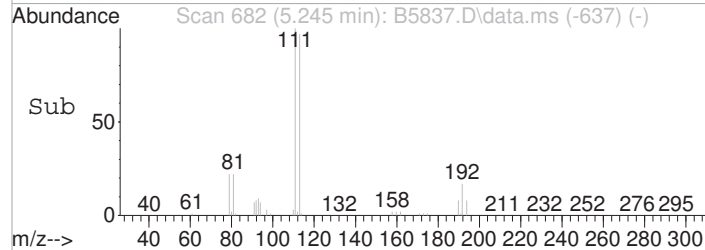
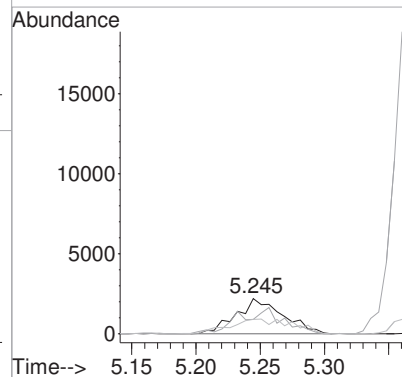
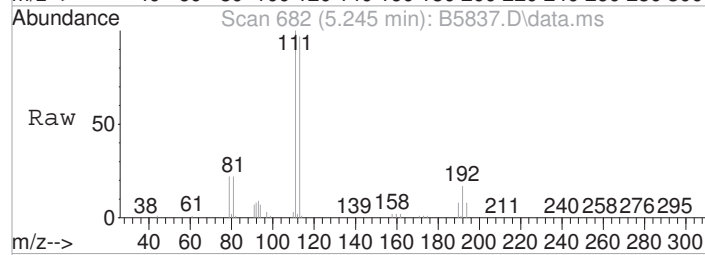
Tgt Ion	83	Resp	1907
Ion Ratio	Lower	Upper	
83	100		
85	76.1	44.4	84.4
47	24.2	12.2	52.2





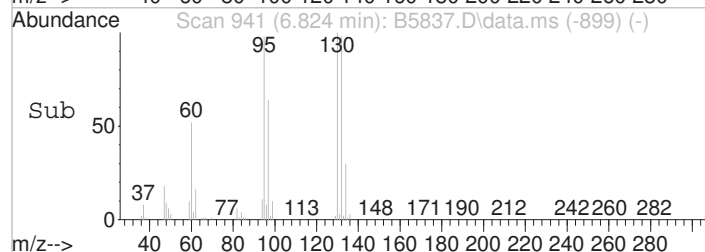
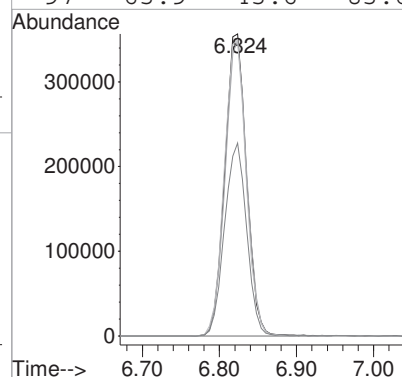
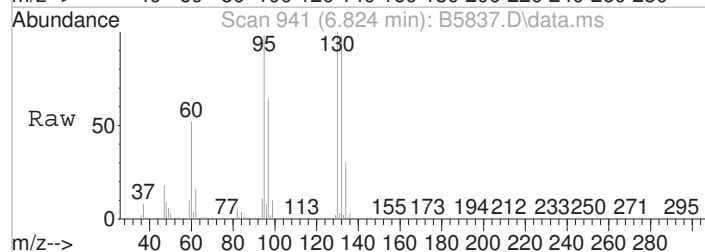
#41
 1,1,1-Trichloroethane
 Concen: 0.97 ug/L
 RT: 5.245 min Scan# 682
 Delta R.T. -0.006 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

Tgt Ion:	97	Resp:	5549
Ion Ratio	Lower	Upper	
97	100		
99	41.2	44.2	84.2#
61	40.4	31.1	71.1



#54
 Trichloroethene
 Concen: 153.52 ug/L
 RT: 6.824 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: B5837.D
 Acq: 17 Sep 2022 2:33 pm

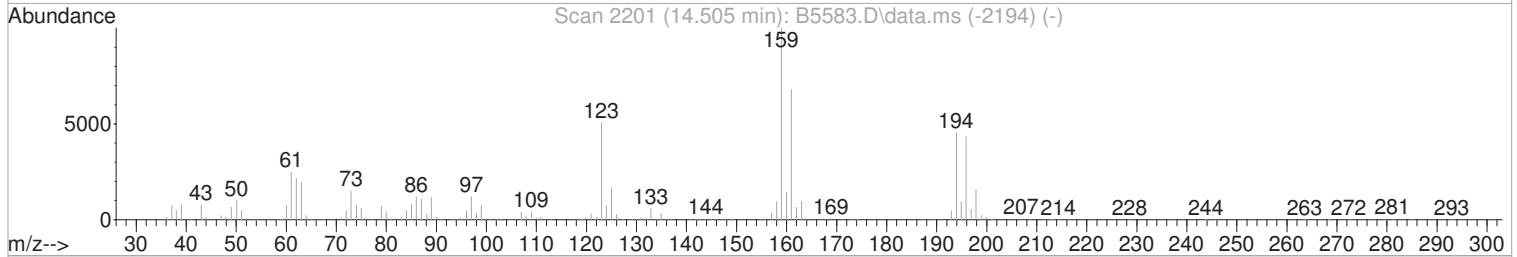
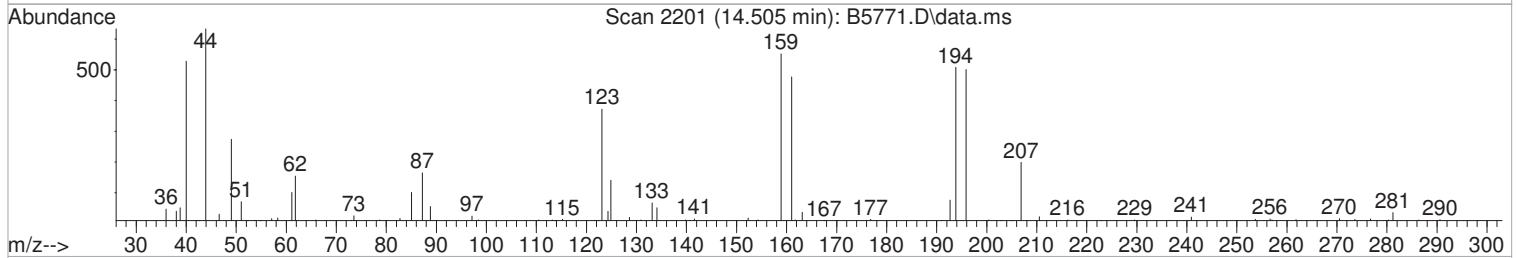
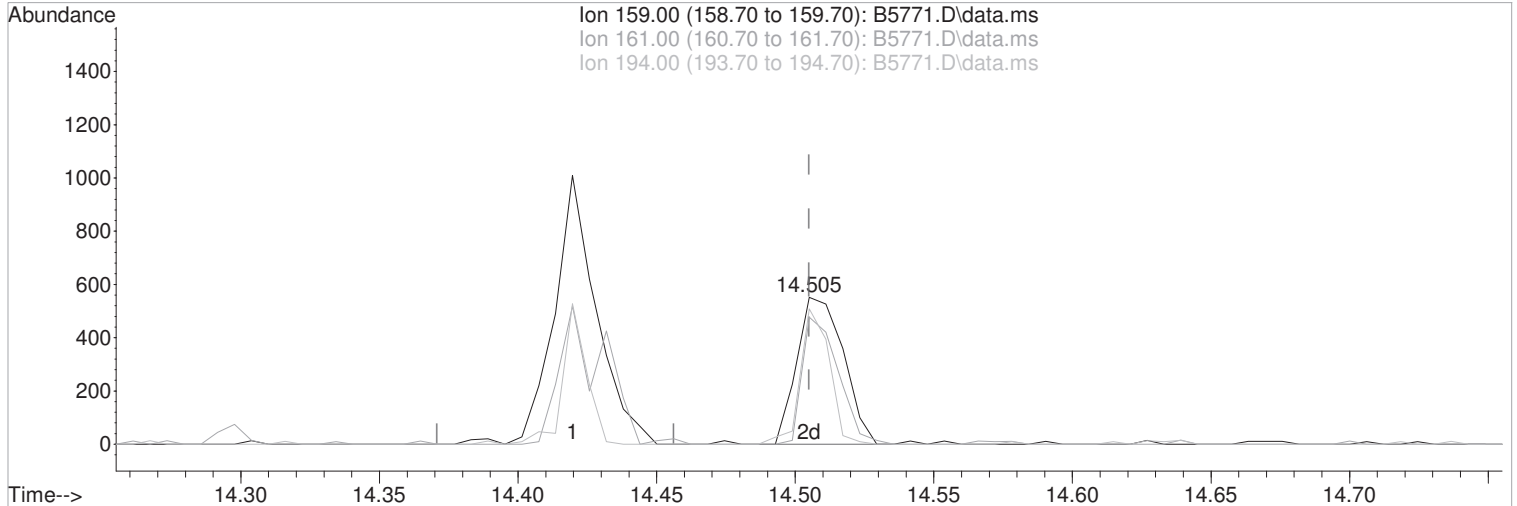
Tgt Ion:	130	Resp:	699658
Ion Ratio	Lower	Upper	
130	100		
132	97.8	73.4	113.4
95	98.0	78.6	118.6
97	63.9	43.6	83.6



Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5771.D
Acq On : 16 Sep 2022 11:22 am
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 11:37:47 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5771.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.505min (0.000) 0.21 ug/L m

response 645

Ion	Exp%	Act%
159.00	100	100
161.00	67.90	86.41
194.00	45.30	92.03#
0.00	0.00	0.00

Manual Integration:

After

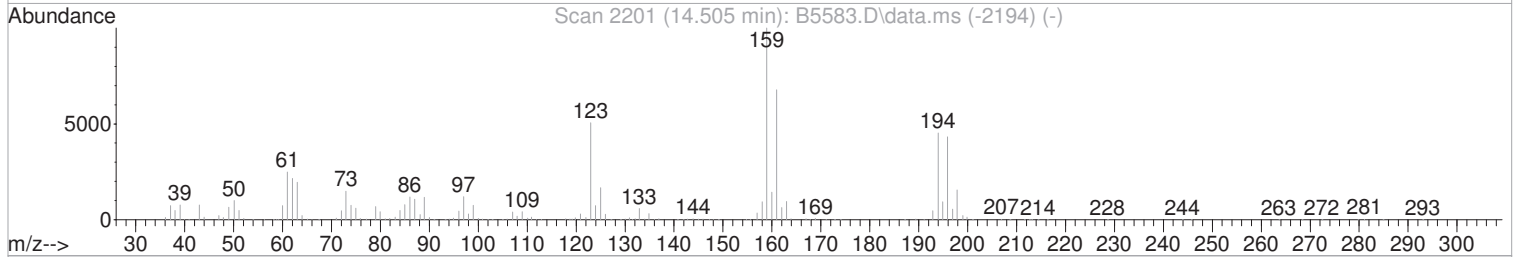
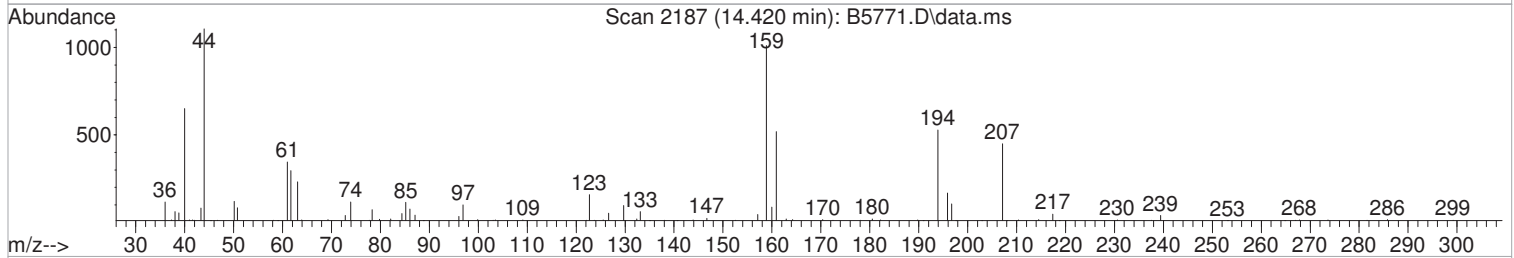
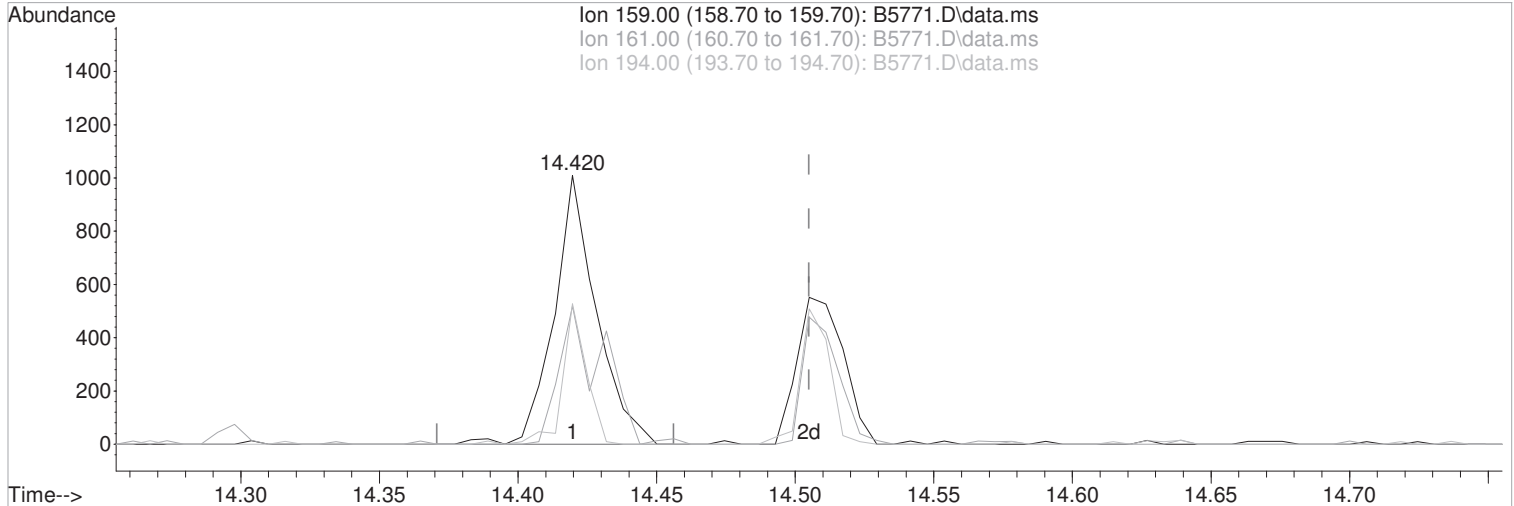
Wrong peak selected.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5771.D
Acq On : 16 Sep 2022 11:22 am
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 11:37:47 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5771.D\data.ms

(120) 2,3,6-Trichlorotoluene
14.420min (-0.085) 0.35 ug/L
response 1075

Manual Integration:

Before

09/19/22

Ion	Exp%	Act%
159.00	100	100
161.00	67.90	51.39
194.00	45.30	52.28
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5771.D
 Acq On : 16 Sep 2022 11:22 am
 Operator : F.NAEGLER
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 19 14:42:17 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

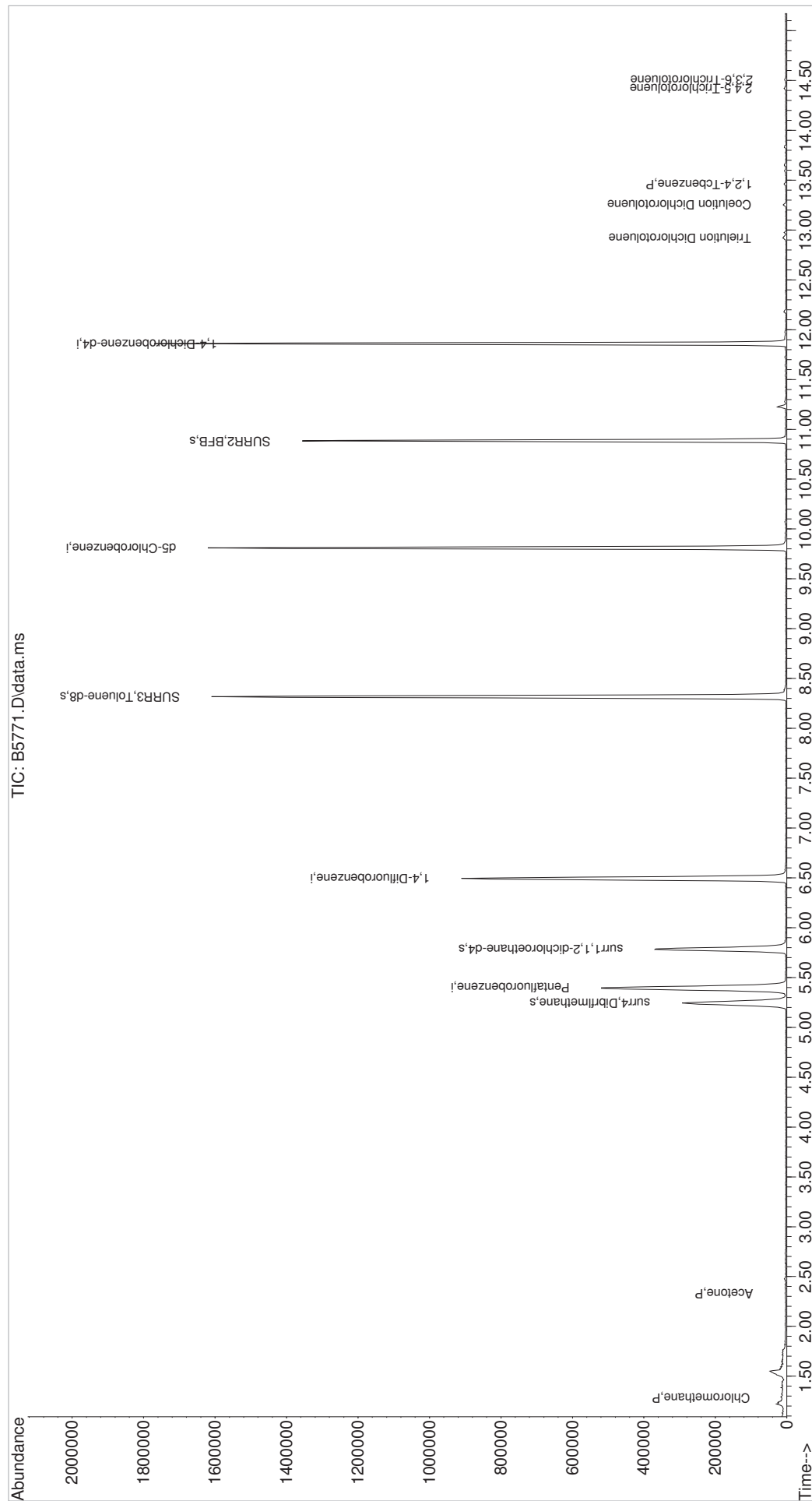
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

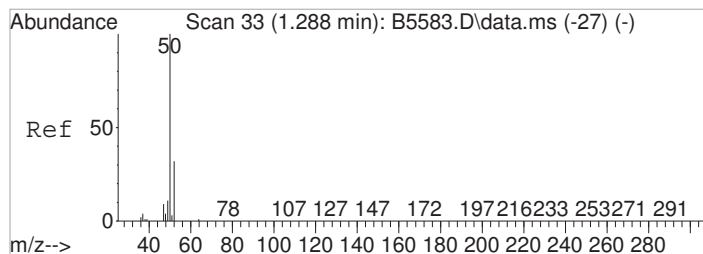
Internal Standards						
1) Pentafluorobenzene	5.397	168	447089	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	753692	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	679780	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	319137	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	242051	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	100.44%
47) surr1,1,2-dichloroetha...	5.781	65	314945	50.89	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	101.78%
65) SURR3,Toluene-d8	8.317	98	940003	51.19	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.38%
70) SURR2,BFB	10.884	95	337088	48.73	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	97.46%
Target Compounds						
4) Chloromethane	1.282	50	1491	0.25	ug/L	91
6) Bromomethane	1.599	94	906	Below Cal	#	19
16) Acetone	2.331	43	2104	0.80	ug/L	86
112) Trielution Dichlorotol...	12.920	125	3846	0.48	ug/L	88
114) Coelution Dichlorotoluene	13.255	125	2516	0.29	ug/L	# 69
115) 1,2,4-Tcbenzene	13.463	180	1213	0.20	ug/L	# 76
119) 2,4,5-Trichlorotoluene	14.420	159	1075	0.98	ug/L	86
120) 2,3,6-Trichlorotoluene	14.505	159	645m	0.21	ug/L	

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

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5771.D
 Acq On : 16 Sep 2022 11:22 am
 Operator : F.NAEGLER
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 Inst : MSVOA10

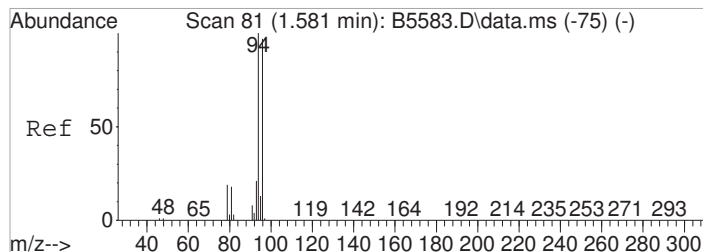
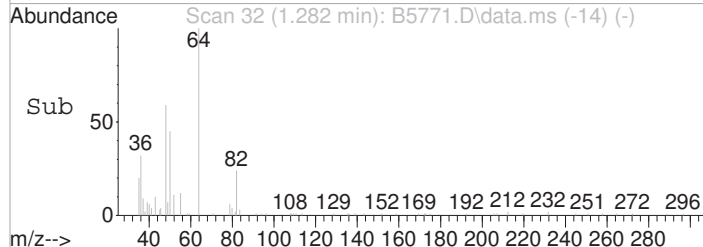
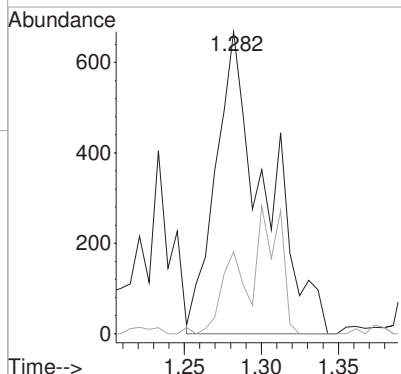
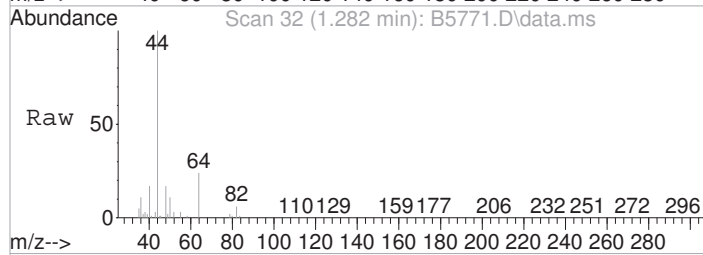
Quant Time: Sep 19 14:42:17 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





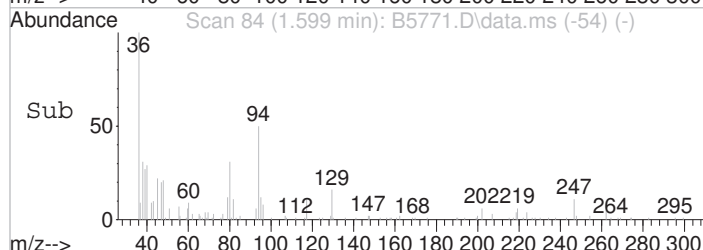
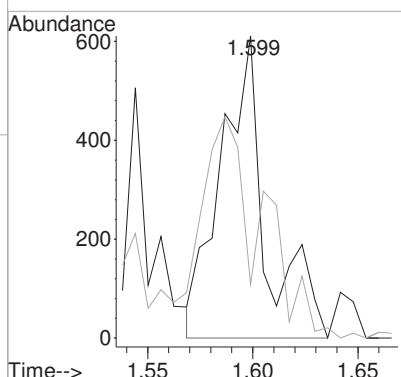
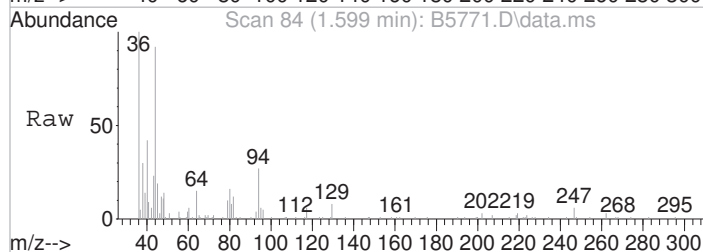
#4
 Chloromethane
 Concen: 0.25 ug/L
 RT: 1.282 min Scan# 32
 Delta R.T. -0.006 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

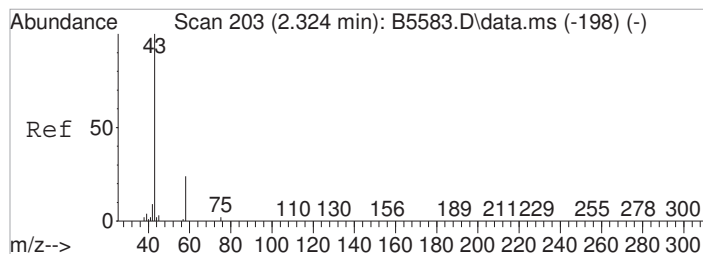
Tgt Ion: 50 Resp: 1491
 Ion Ratio Lower Upper
 50 100
 52 27.1 12.4 52.4



#6
 Bromomethane
 Concen: Below Cal
 RT: 1.599 min Scan# 84
 Delta R.T. 0.019 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

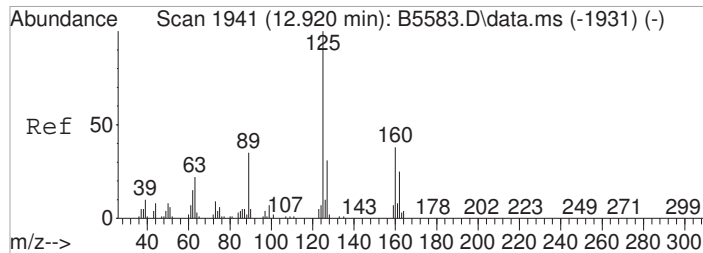
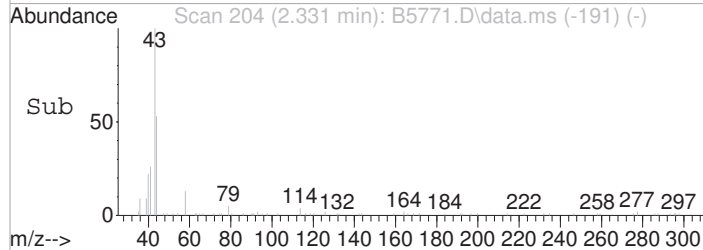
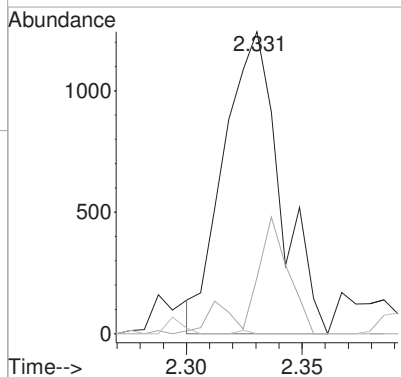
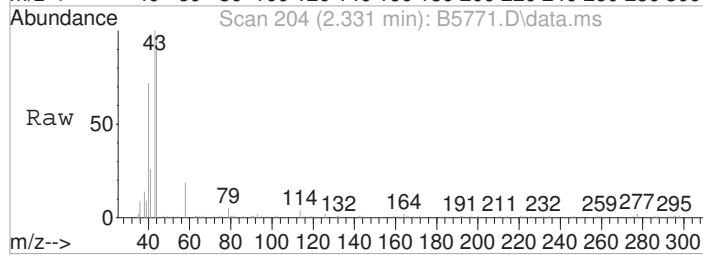
Tgt Ion: 94 Resp: 906
 Ion Ratio Lower Upper
 94 100
 96 17.7 77.0 117.0#





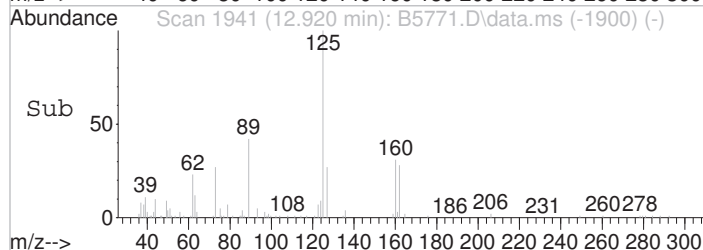
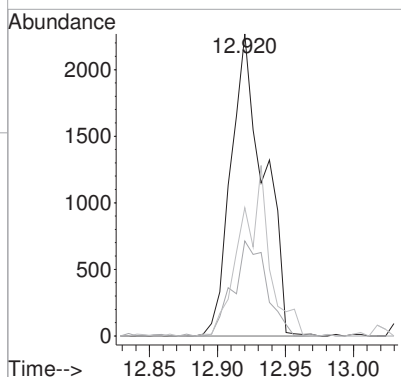
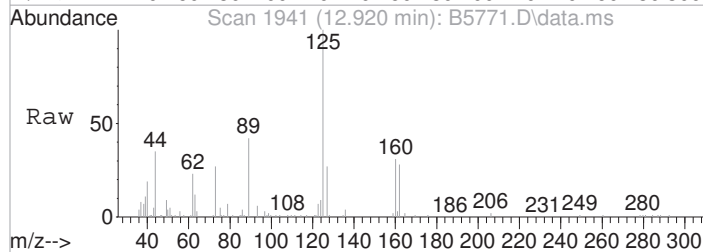
#16
 Acetone
 Concen: 0.80 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

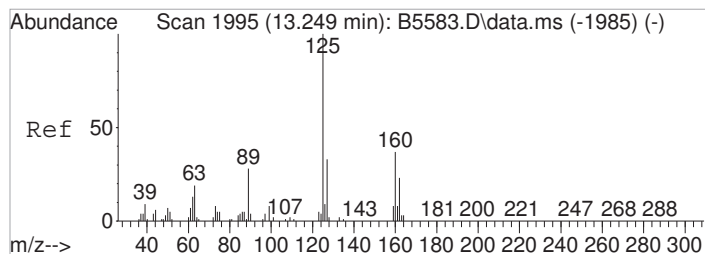
Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.5	3.7	43.7
42	0.0	0.0	28.6



#112
 Trilution Dichlorotoluene
 Concen: 0.48 ug/L
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

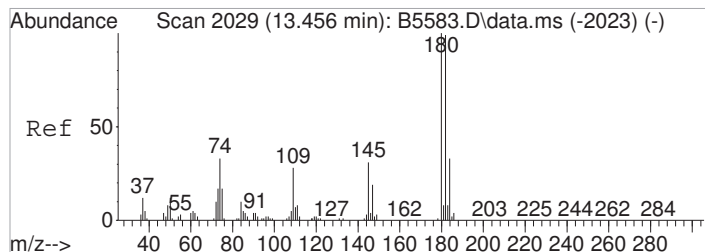
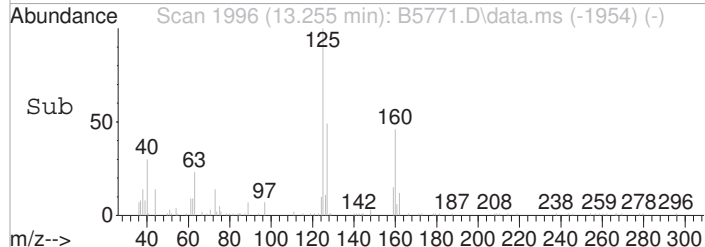
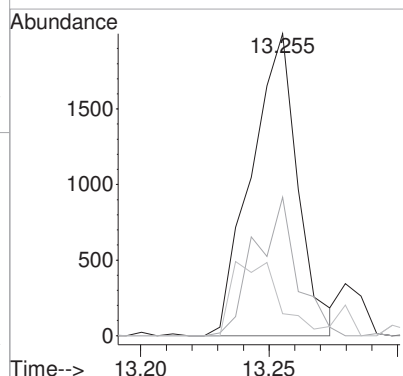
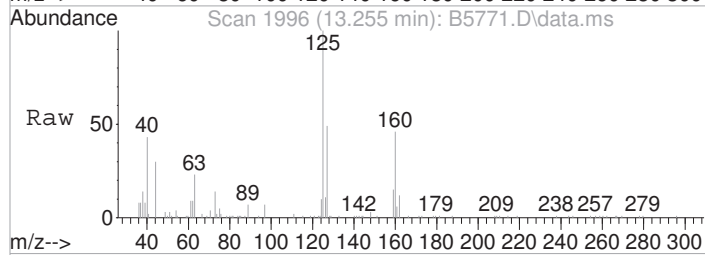
Tgt Ion	Ratio	Lower	Upper
125	100		
160	31.5	18.2	58.2
89	42.5	14.7	54.7





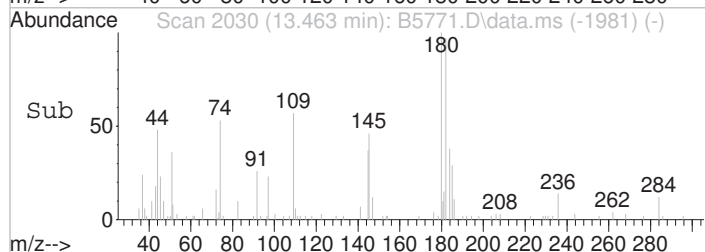
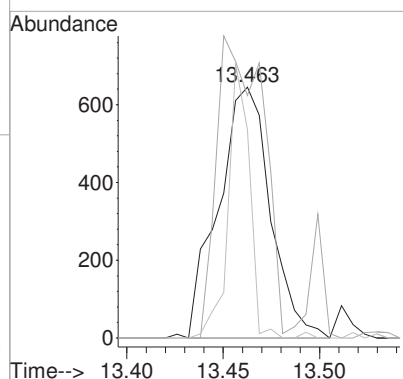
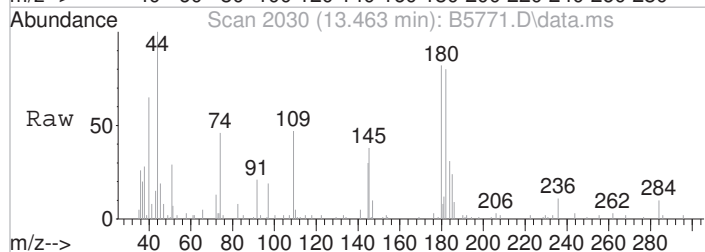
#114
 Coelution Dichlorotoluene
 Concen: 0.29 ug/L
 RT: 13.255 min Scan# 1996
 Delta R.T. 0.006 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

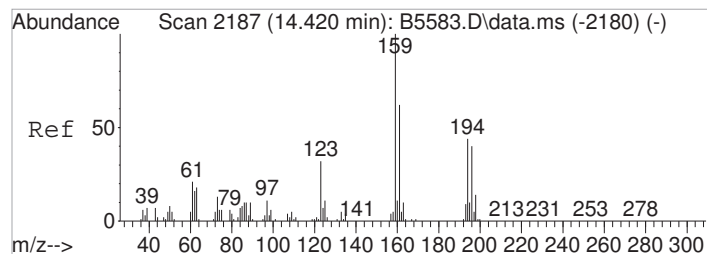
Tgt Ion:	125	Resp:	2516
Ion Ratio		Lower	Upper
125	100		
160	52.0	16.6	56.6
89	7.3	7.6	47.6#



#115
 1,2,4-Tcbenzene
 Concen: 0.20 ug/L
 RT: 13.463 min Scan# 2030
 Delta R.T. 0.006 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

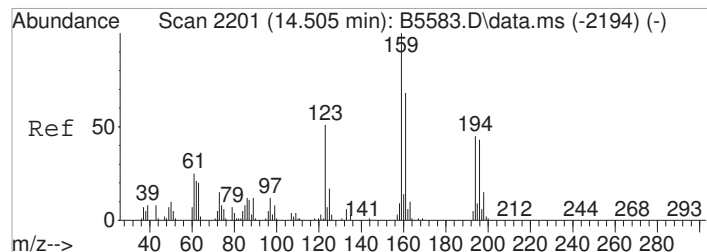
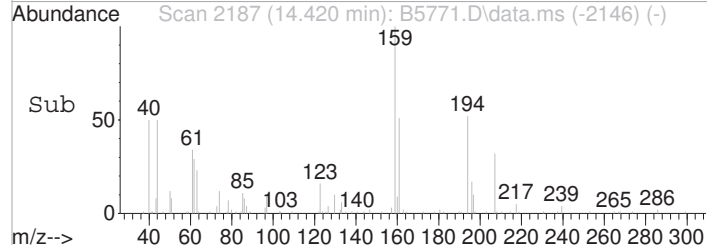
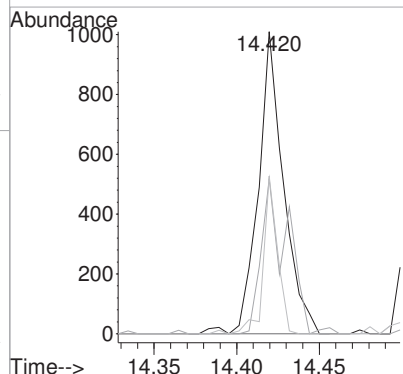
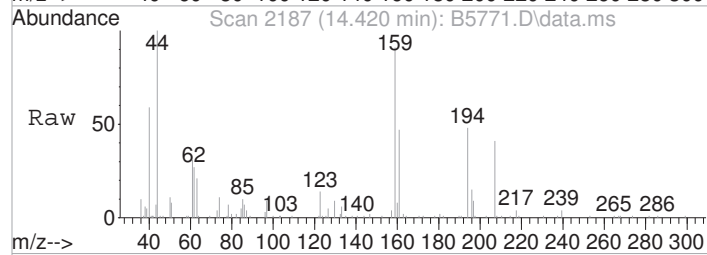
Tgt Ion:	180	Resp:	1213
Ion Ratio		Lower	Upper
180	100		
182	96.7	78.8	118.8
145	83.1	10.7	50.7#





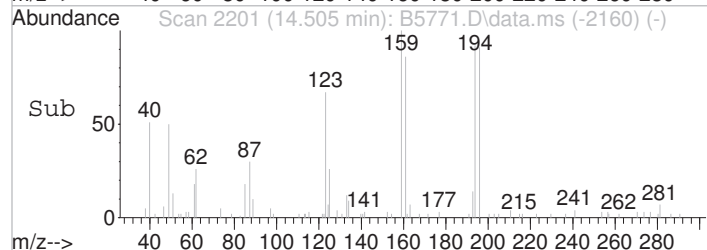
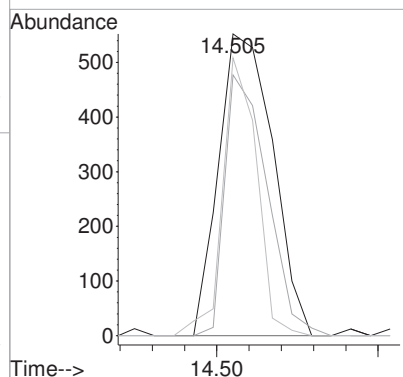
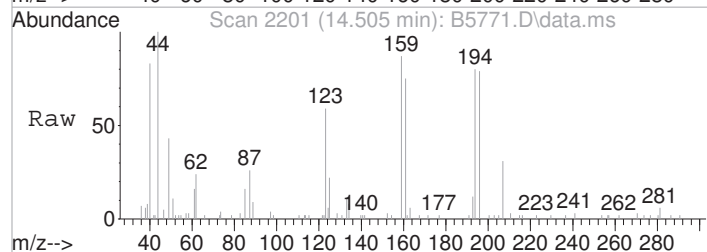
#119
 2,4,5-Trichlorotoluene
 Concen: 0.98 ug/L
 RT: 14.420 min Scan# 2187
 Delta R.T. 0.001 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

Tgt Ion	159	Resp	1075
Ion Ratio	Lower	Upper	
159	100		
161	51.4	42.3	82.3
194	52.3	24.1	64.1



#120
 2,3,6-Trichlorotoluene
 Concen: 0.21 ug/L m
 RT: 14.505 min Scan# 2201
 Delta R.T. 0.000 min
 Lab File: B5771.D
 Acq: 16 Sep 2022 11:22 am

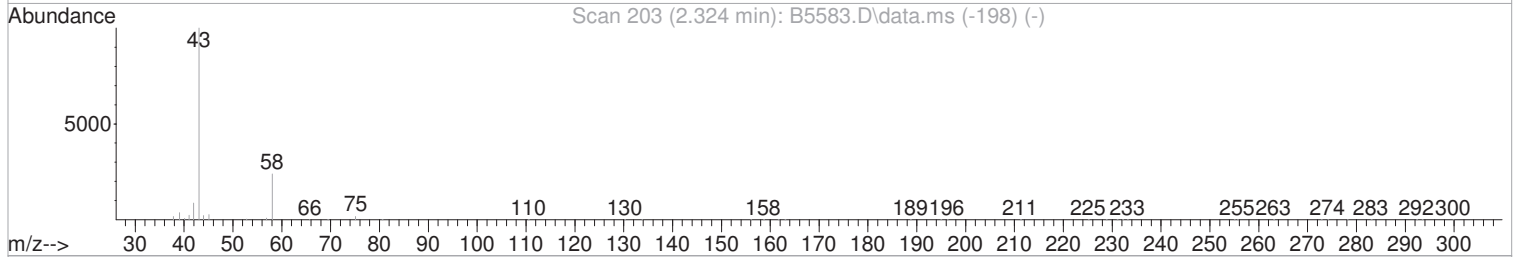
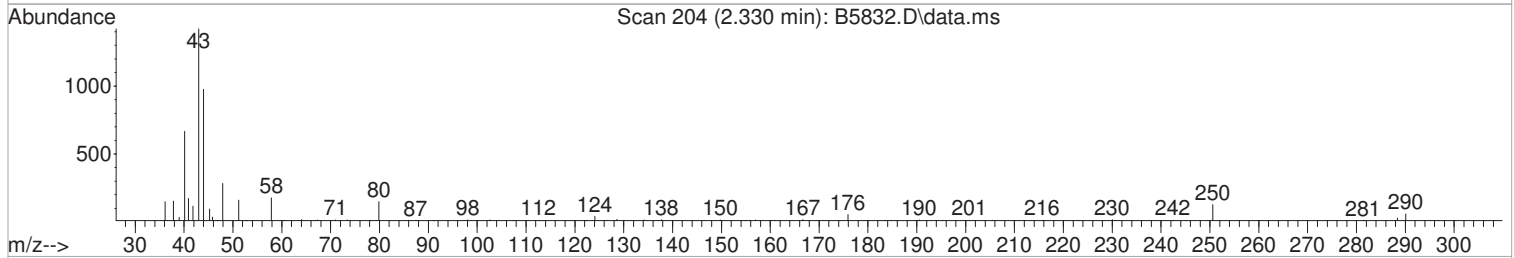
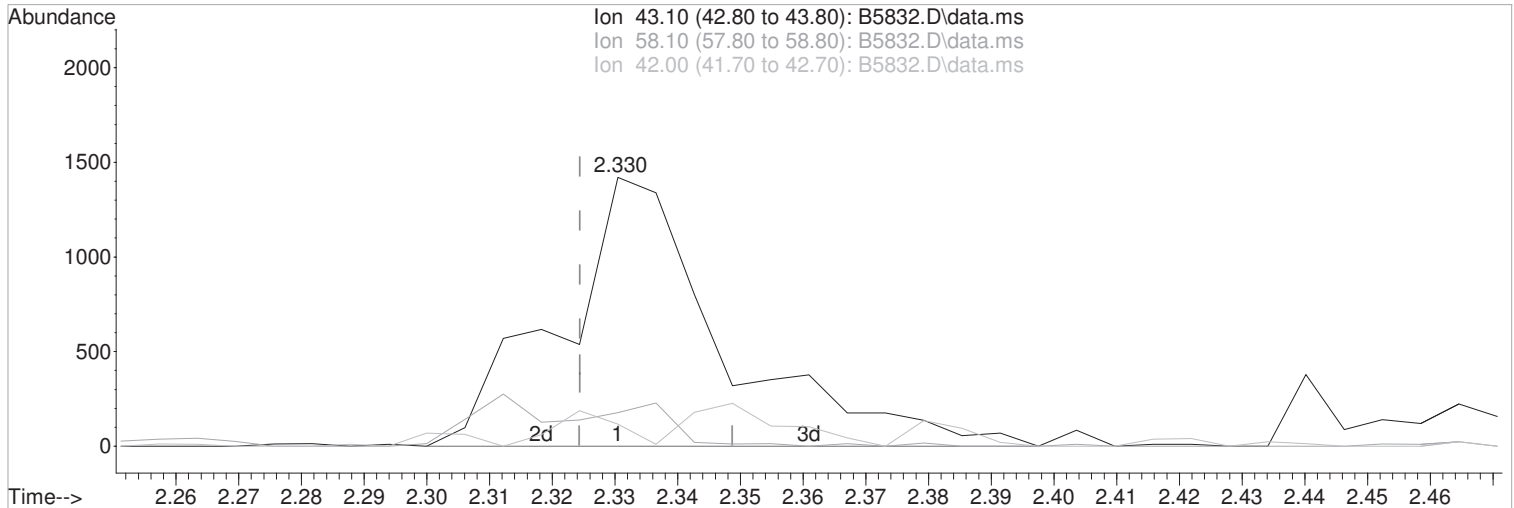
Tgt Ion	159	Resp	645
Ion Ratio	Lower	Upper	
159	100		
161	86.4	47.9	87.9
194	92.0	25.3	65.3#



Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5832.D
Acq On : 17 Sep 2022 12:33 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 12:48:13 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5832.D\data.ms

(16) Acetone (P)
2.330min (+0.006) 0.97 ug/L m
response 2578

Ion	Exp%	Act%
43.10	100	100
58.10	23.70	12.46
42.00	8.60	8.16
0.00	0.00	0.00

Manual Integration:

After

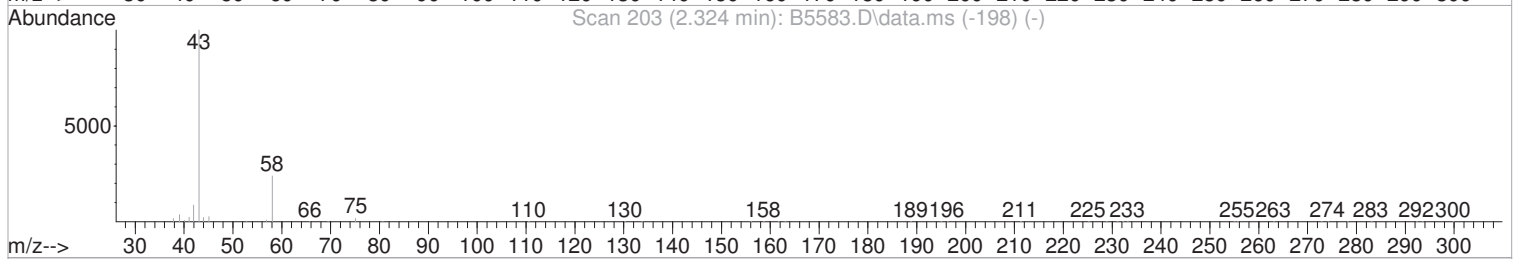
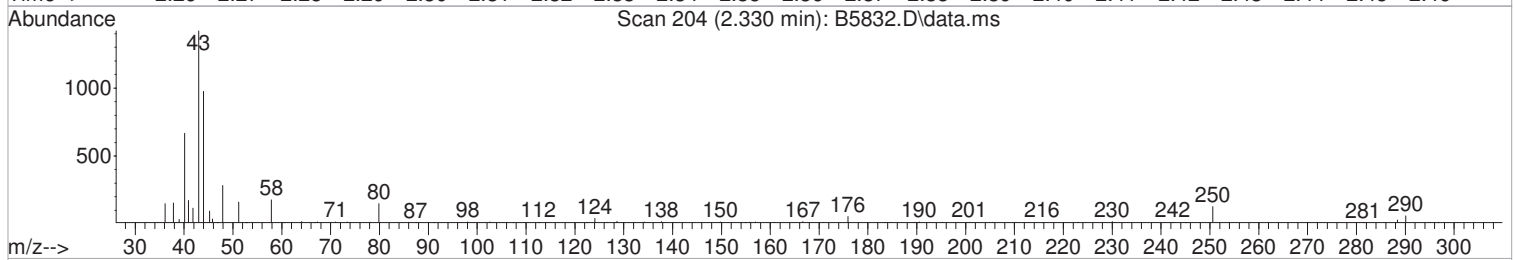
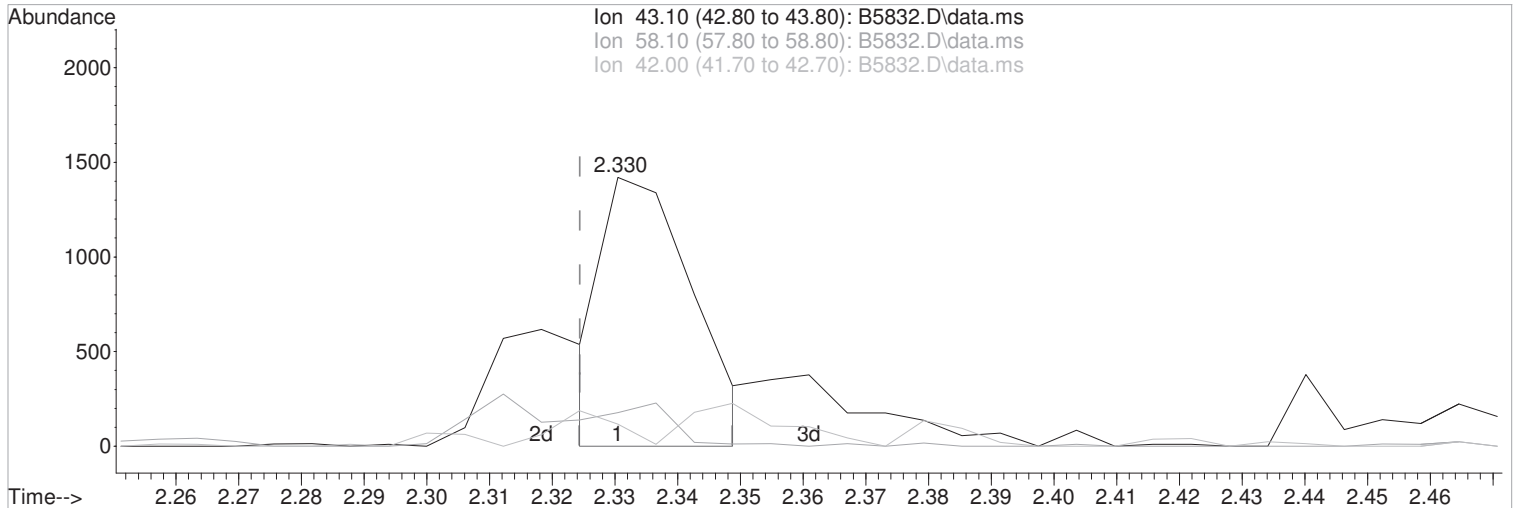
Poor integration.

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5832.D
Acq On : 17 Sep 2022 12:33 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 12:48:13 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



TIC: B5832.D\data.ms

(16) Acetone (P)
2.330min (+0.006) 0.54 ug/L
response 1419

Manual Integration:

Before

Ion	Exp%	Act%
43.10	100	100
58.10	23.70	12.46
42.00	8.60	8.16
0.00	0.00	0.00

09/19/22

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5832.D
 Acq On : 17 Sep 2022 12:33 pm
 Operator : F.NAEGLER
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 19 17:08:13 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

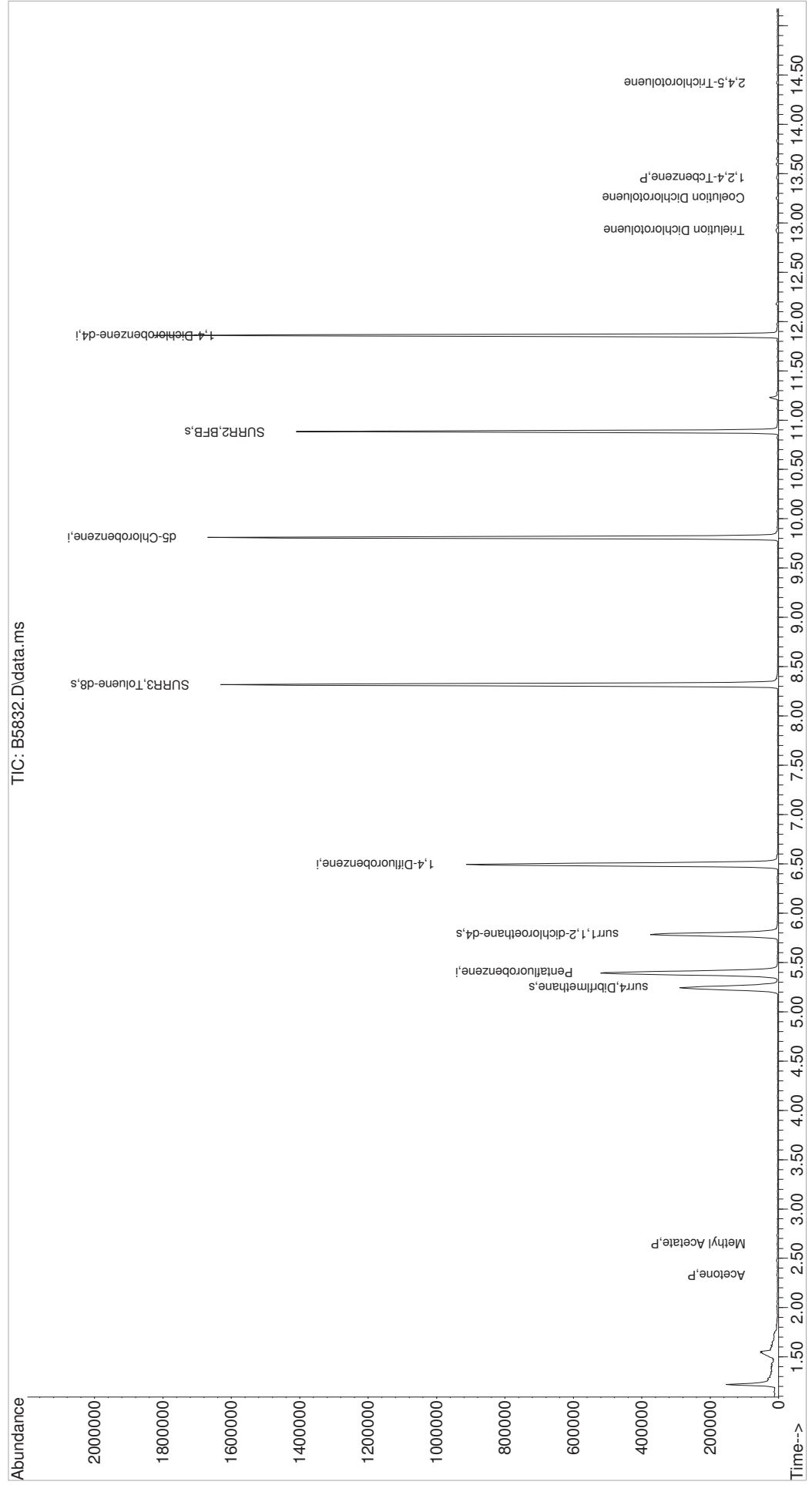
Internal Standards						
1) Pentafluorobenzene	5.397	168	448417	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	766745	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	679204	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	318426	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.245	113	239939	48.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	97.88%
47) surr1,1,2-dichloroetha...	5.781	65	320663	50.93	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	101.86%
65) SURR3,Toluene-d8	8.317	98	950686	50.89	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.78%
70) SURR2,BFB	10.884	95	340072	48.32	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	96.64%
Target Compounds						Qvalue
6) Bromomethane	1.581	94	2066	Below Cal	#	65
16) Acetone	2.330	43	2578m	0.97	ug/L	
22) Methyl Acetate	2.647	43	1392	0.22	ug/L	70
112) Trielution Dichlorotol...	12.926	125	3213	0.40	ug/L	# 62
114) Coelution Dichlorotoluene	13.255	125	1862	0.22	ug/L	90
115) 1,2,4-Tcbenzene	13.462	180	1300	0.22	ug/L	84
116) Hexachlorobt	13.597	225	474	Below Cal	#	40
119) 2,4,5-Trichlorotoluene	14.420	159	832	0.92	ug/L	89

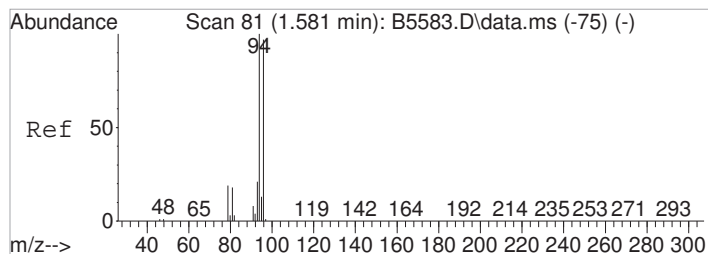
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5832.D
 Acq On : 17 Sep 2022 12:33 pm
 Operator : F.NAEGLER
 Sample : MBLK-UNP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

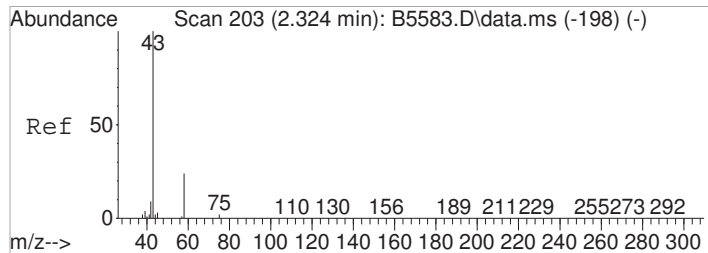
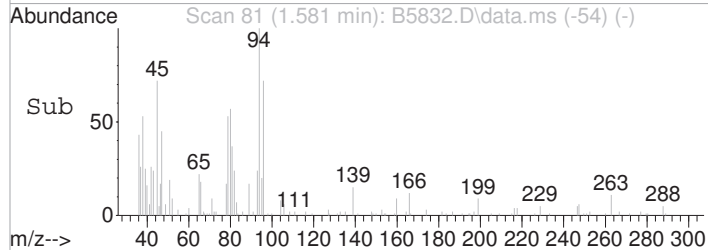
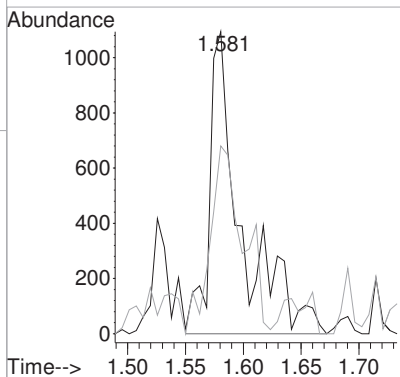
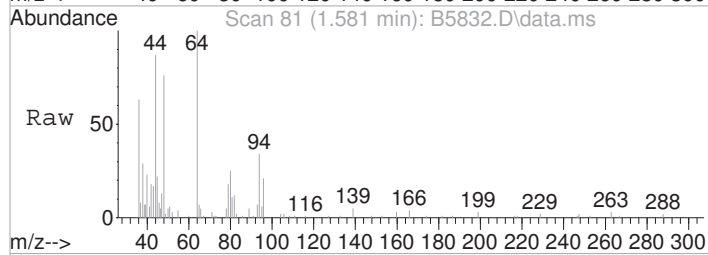
Quant Time: Sep 19 17:08:13 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration





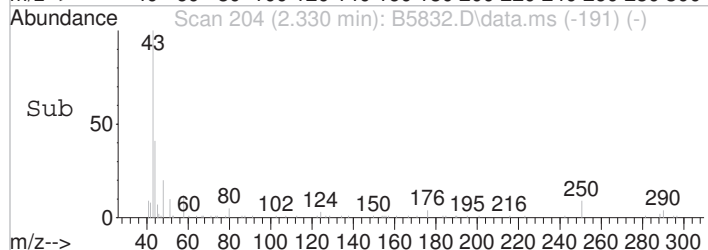
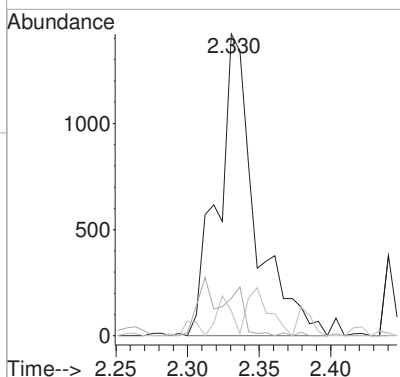
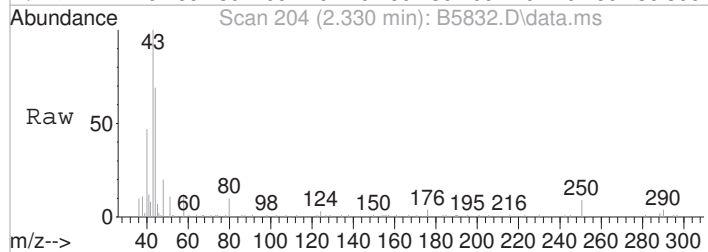
#6
 Bromomethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

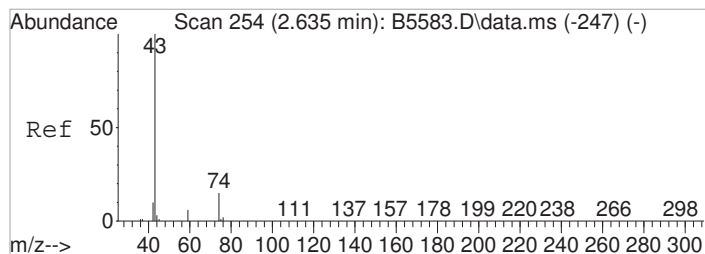
Tgt Ion: 94 Resp: 2066
 Ion Ratio Lower Upper
 94 100
 96 62.2 77.0 117.0#



#16
 Acetone
 Concen: 0.97 ug/L m
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

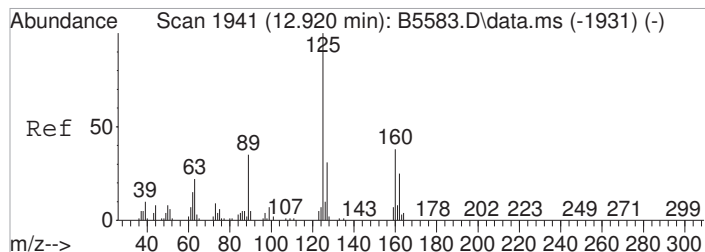
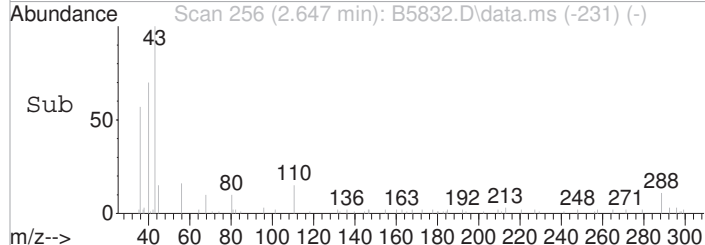
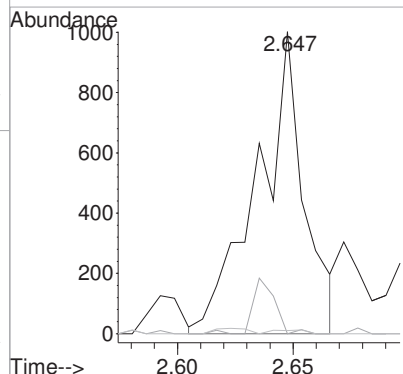
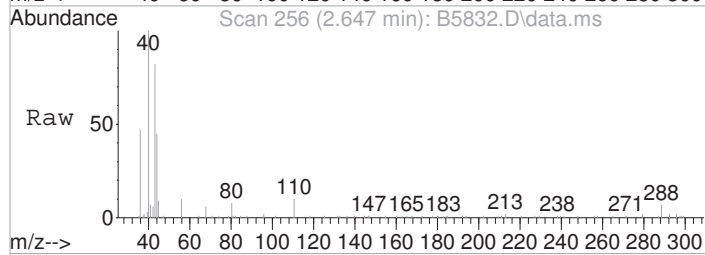
Tgt Ion: 43 Resp: 2578
 Ion Ratio Lower Upper
 43 100
 58 12.5 3.7 43.7
 42 8.2 0.0 28.6





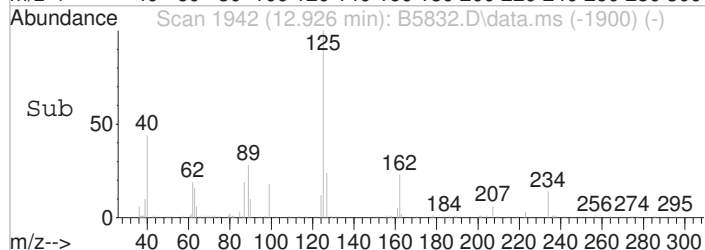
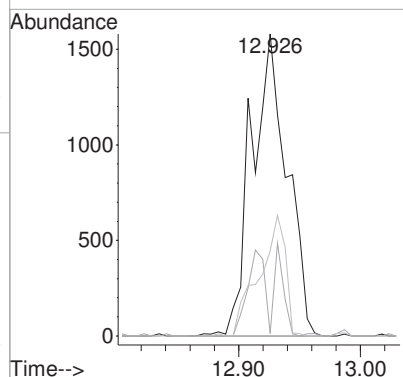
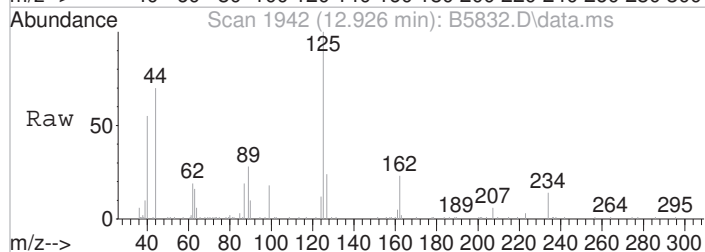
#22
 Methyl Acetate
 Concen: 0.22 ug/L
 RT: 2.647 min Scan# 256
 Delta R.T. 0.012 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

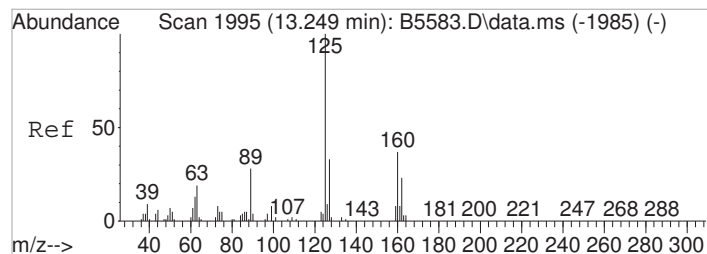
Tgt Ion:	43	Resp:	1392
Ion Ratio		Lower	Upper
43	100		
59	0.0	0.0	26.1
74	1.0	0.0	35.3



#112
 Trilution Dichlorotoluene
 Concen: 0.40 ug/L
 RT: 12.926 min Scan# 1942
 Delta R.T. 0.006 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

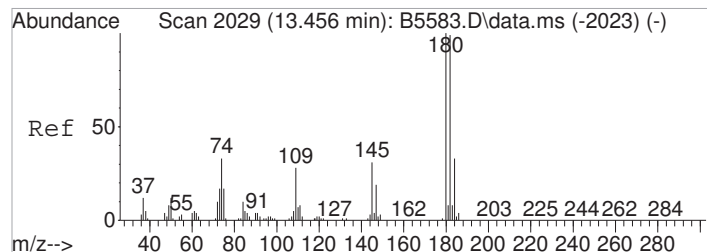
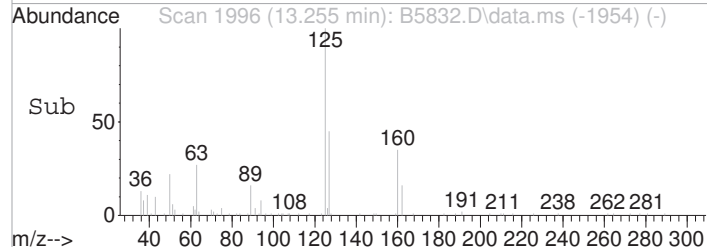
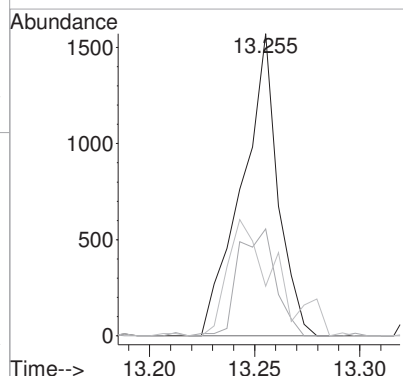
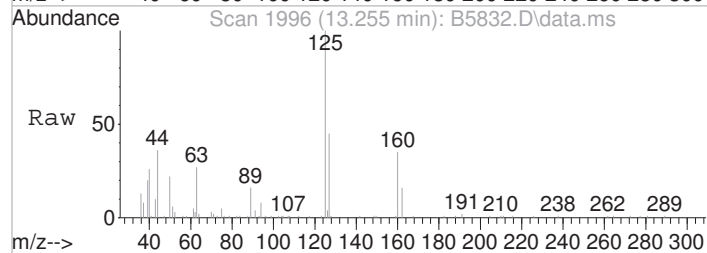
Tgt Ion:	125	Resp:	3213
Ion Ratio		Lower	Upper
125	100		
160	0.8	18.2	58.2#
89	28.2	14.7	54.7





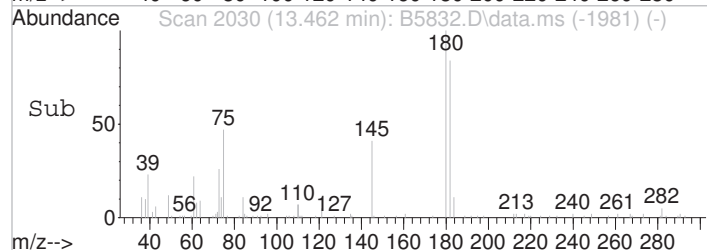
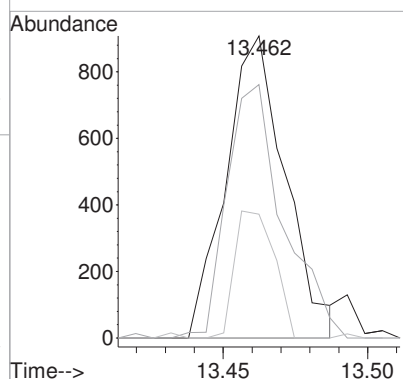
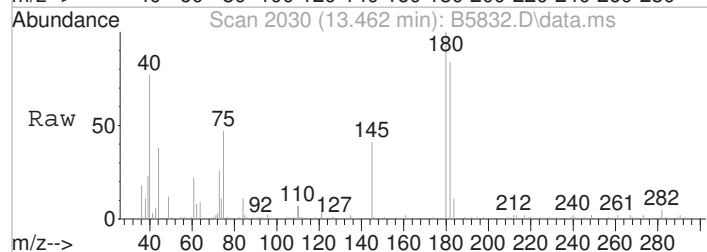
#114
 Coelution Dichlorotoluene
 Concen: 0.22 ug/L
 RT: 13.255 min Scan# 1996
 Delta R.T. 0.006 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

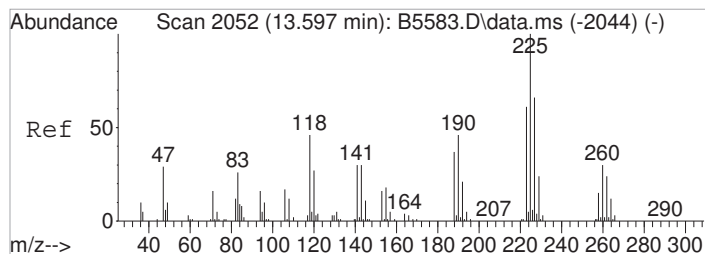
Tgt Ion:	125	Resp:	1862
Ion Ratio	Lower	Upper	
125	100		
160	35.4	16.6	56.6
89	16.4	7.6	47.6



#115
 1,2,4-Tcbenzene
 Concen: 0.22 ug/L
 RT: 13.462 min Scan# 2030
 Delta R.T. 0.006 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

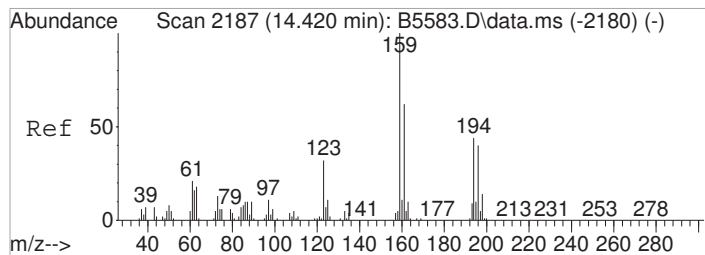
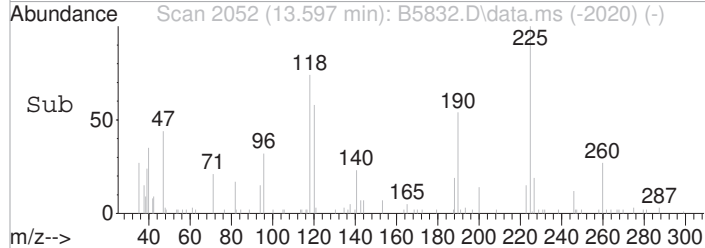
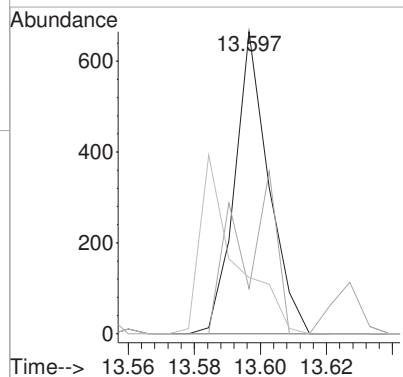
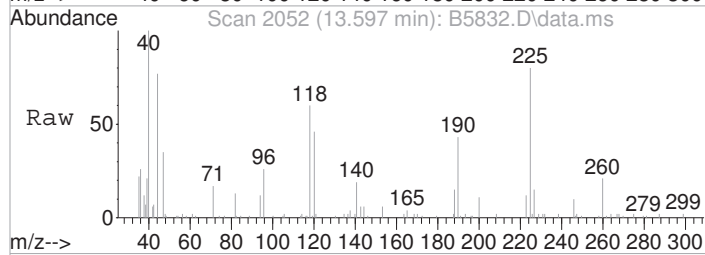
Tgt Ion:	180	Resp:	1300
Ion Ratio	Lower	Upper	
180	100		
182	83.9	78.8	118.8
145	41.0	10.7	50.7





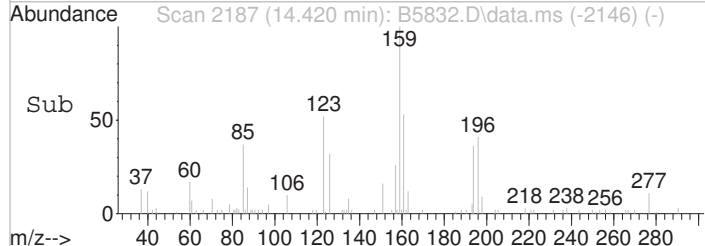
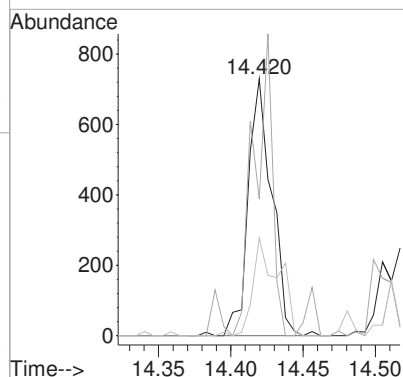
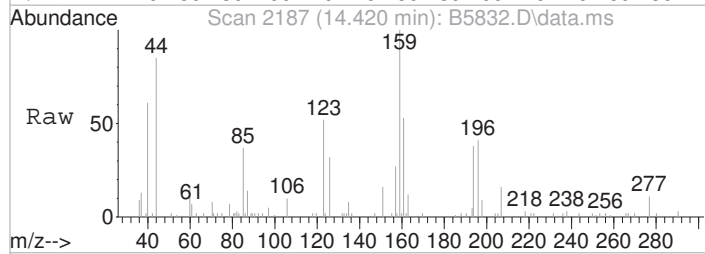
#116
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.001 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

Tgt Ion: 225	Resp: 474
Ion Ratio	Lower Upper
225 100	
223 14.9	41.4 81.4#
227 18.6	45.9 85.9#



#119
 2,4,5-Trichlorotoluene
 Concen: 0.92 ug/L
 RT: 14.420 min Scan# 2187
 Delta R.T. 0.001 min
 Lab File: B5832.D
 Acq: 17 Sep 2022 12:33 pm

Tgt Ion: 159	Resp: 832
Ion Ratio	Lower Upper
159 100	
161 53.2	42.3 82.3
194 38.1	24.1 64.1



Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5769.D
 Acq On : 16 Sep 2022 10:25 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:42:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	492951	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	807838	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	718439	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	350180	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.238	113	262573	50.83	ug/L	-0.01
Spiked Amount	50.000	Range	80 - 116	Recovery	=	101.66%
47) surr1,1,2-dichloroetha...	5.781	65	333690	50.31	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	100.62%
65) SURR3,Toluene-d8	8.317	98	969796	49.27	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	98.54%
70) SURR2,BFB	10.884	95	357265	48.18	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	96.36%

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.160	51	145376	25.79	ug/L	98
3) Dichlorodifluoromethane	1.148	85	114106	18.92	ug/L	96
4) Chloromethane	1.282	50	131396	19.93	ug/L	99
5) Vinyl Chloride	1.355	62	113314	18.20	ug/L	99
6) Bromomethane	1.581	94	72270	19.17	ug/L	96
7) Chloroethane	1.660	64	70796	16.98	ug/L	95
8) Freon 21	1.806	67	171244	17.53	ug/L	100
9) Trichlorofluoromethane	1.855	101	166748	20.86	ug/L	99
10) Diethyl Ether	2.087	59	100945	21.13	ug/L	95
11) Freon 123a	2.093	67	123241	20.44	ug/L	98
12) Freon 123	2.147	83	135974	20.59	ug/L	97
13) Acrolein	2.190	56	27313	21.59	ug/L	99
14) 1,1-Dicethene	2.282	96	95929	21.93	ug/L	92
15) Freon 113	2.282	101	96193	20.24	ug/L	97
16) Acetone	2.324	43	56058	19.24	ug/L	98
17) 2-Propanol	2.452	45	168207	319.82	ug/L	99
18) Iodomethane	2.416	142	140748	21.18	ug/L	90
19) Carbon Disulfide	2.477	76	268009	20.92	ug/L	100
20) Acetonitrile	2.580	41	116385	99.53	ug/L	99
21) Allyl Chloride	2.611	76	50958	21.86	ug/L #	92
22) Methyl Acetate	2.635	43	121908	17.28	ug/L	96
23) Methylene Chloride	2.733	84	108123	19.68	ug/L	97
24) TBA	2.855	59	218350	319.22	ug/L	89
25) Acrylonitrile	2.983	53	262062	92.59	ug/L	99
26) Methyl-t-Butyl Ether	3.031	73	308230	20.47	ug/L	94
27) trans-1,2-Dichloroethene	3.019	96	102815	21.35	ug/L #	80
28) 1,1-Dicethane	3.525	63	196595	21.91	ug/L	97
29) Vinyl Acetate	3.611	86	15561	17.34	ug/L	99
30) DIPE	3.647	45	416049	21.21	ug/L	99
31) 2-Chloro-1,3-Butadiene	3.647	53	175564	20.66	ug/L	92
32) ETBE	4.184	59	271670	19.79	ug/L	94
33) 2,2-Dichloropropane	4.360	77	102548	21.80	ug/L	98
34) cis-1,2-Dichloroethene	4.367	96	114401	20.36	ug/L	99
35) 2-Butanone	4.415	43	86282	17.70	ug/L	98
36) Propionitrile	4.501	54	100598	91.57	ug/L	95
37) Bromochloromethane	4.769	130	73759	19.91	ug/L	92
38) Methacrylonitrile	4.763	67	45917	17.04	ug/L #	76
39) Tetrahydrofuran	4.854	42	52770	17.84	ug/L	96
40) Chloroform	4.946	83	188011	20.27	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5769.D
 Acq On : 16 Sep 2022 10:25 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:42:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.251	97	140856	20.83	ug/L	98
43) Cyclohexane	5.342	41	132686	20.91	ug/L	98
45) Carbontetrachloride	5.537	117	110527	20.53	ug/L	97
46) 1,1-Dichloropropene	5.543	75	126589	20.14	ug/L	96
48) Benzene	5.860	78	405361	21.37	ug/L	98
49) 1,2-Dichloroethane	5.897	62	164786	21.24	ug/L	96
50) Iso-Butyl Alcohol	5.878	43	126455	336.17	ug/L	93
51) TAME	6.104	73	240867	20.17	ug/L	98
52) n-Heptane	6.360	43	165114	24.14	ug/L	99
53) 1-Butanol	6.854	56	133233	777.41	ug/L	93
54) Trichloroethene	6.823	130	103526	20.49	ug/L	95
55) Methylcyclohexane	7.061	55	135360	21.68	ug/L	95
56) 1,2-Dicloropropane	7.104	63	107454	21.25	ug/L	99
57) Dibromomethane	7.244	93	73048	19.75	ug/L	97
58) 1,4-Dioxane	7.305	88	32928	323.30	ug/L	96
59) Methyl Methacrylate	7.329	69	78553	20.21	ug/L	90
60) Bromodichloromethane	7.476	83	129674	20.04	ug/L	96
61) 2-Nitropropane	7.756	41	50036	30.67	ug/L	95
62) 2-Chloroethylvinyl Ether	7.884	63	34946	10.65	ug/L	89
63) cis-1,3-Dichloropropene	8.018	75	137193	21.44	ug/L	95
64) 4-Methyl-2-pentanone	8.226	43	156697	18.65	ug/L	99
66) Toluene	8.390	91	432601	20.44	ug/L	96
67) trans-1,3-Dichloropropene	8.658	75	113213	23.79	ug/L	96
68) Ethyl Methacrylate	8.805	69	130151	20.00	ug/L	93
69) 1,1,2-Trichloroethane	8.847	97	95548	19.58	ug/L	96
72) Tetrachloroethene	8.982	164	74632	20.66	ug/L	95
73) 2-Hexanone	9.140	43	110811	18.53	ug/L	99
74) 1,3-Dichloropropane	9.018	76	161760	19.70	ug/L	95
75) Dibromochloromethane	9.244	129	95923	19.45	ug/L	94
76) N-Butyl Acetate	9.299	43	207514	18.06	ug/L	100
77) 1,2-Dibromoethane	9.341	107	95168	20.02	ug/L	99
78) 3-Chlorobenzotrifluoride	9.853	180	120115	18.27	ug/L	98
79) Chlorobenzene	9.835	112	267267	20.15	ug/L	97
80) 4-Chlorobenzotrifluoride	9.908	180	110788	18.87	ug/L	97
81) 1,1,1,2-Tetrachloroethane	9.926	131	81355	19.43	ug/L	96
82) Ethylbenzene	9.957	106	147258	21.13	ug/L	97
83) (m+p)Xylene	10.067	106	363408	41.94	ug/L	94
84) o-Xylene	10.426	106	181235	21.25	ug/L	98
85) Styrene	10.439	104	304620	21.59	ug/L	99
86) Bromoform	10.591	173	51732	20.37	ug/L	97
87) 2-Chlorobenzotrifluoride	10.670	180	123783	18.71	ug/L	94
88) Isopropylbenzene	10.762	105	450247	22.11	ug/L	99
89) Cyclohexanone	10.823	55	305441	352.78	ug/L	99
90) trans-1,4-Dichloro-2-B...	11.073	53	28765	22.19	ug/L	86
92) 1,1,2,2-Tetrachloroethane	11.018	83	130017	19.30	ug/L	92
93) Bromobenzene	11.012	156	111076	19.23	ug/L #	87
94) 1,2,3-Trichloropropane	11.048	110	40752	18.70	ug/L	96
95) n-Propylbenzene	11.115	91	547072	22.09	ug/L	99
96) 2-Chlorotoluene	11.182	91	322517	21.16	ug/L	99
97) 3-Chlorotoluene	11.231	91	329133	20.92	ug/L	99
98) 4-Chlorotoluene	11.274	91	372822	21.35	ug/L	99
99) 1,3,5-Trimethylbenzene	11.274	105	384344	21.13	ug/L	97
100) tert-Butylbenzene	11.542	119	318363	21.52	ug/L	99
101) 1,2,4-Trimethylbenzene	11.579	105	385077	21.83	ug/L	100
102) 3,4-Dichlorobenzotrifl...	11.646	214	91384	18.62	ug/L	97
103) sec-Butylbenzene	11.725	105	470035	22.24	ug/L	100

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5769.D
 Acq On : 16 Sep 2022 10:25 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:42:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

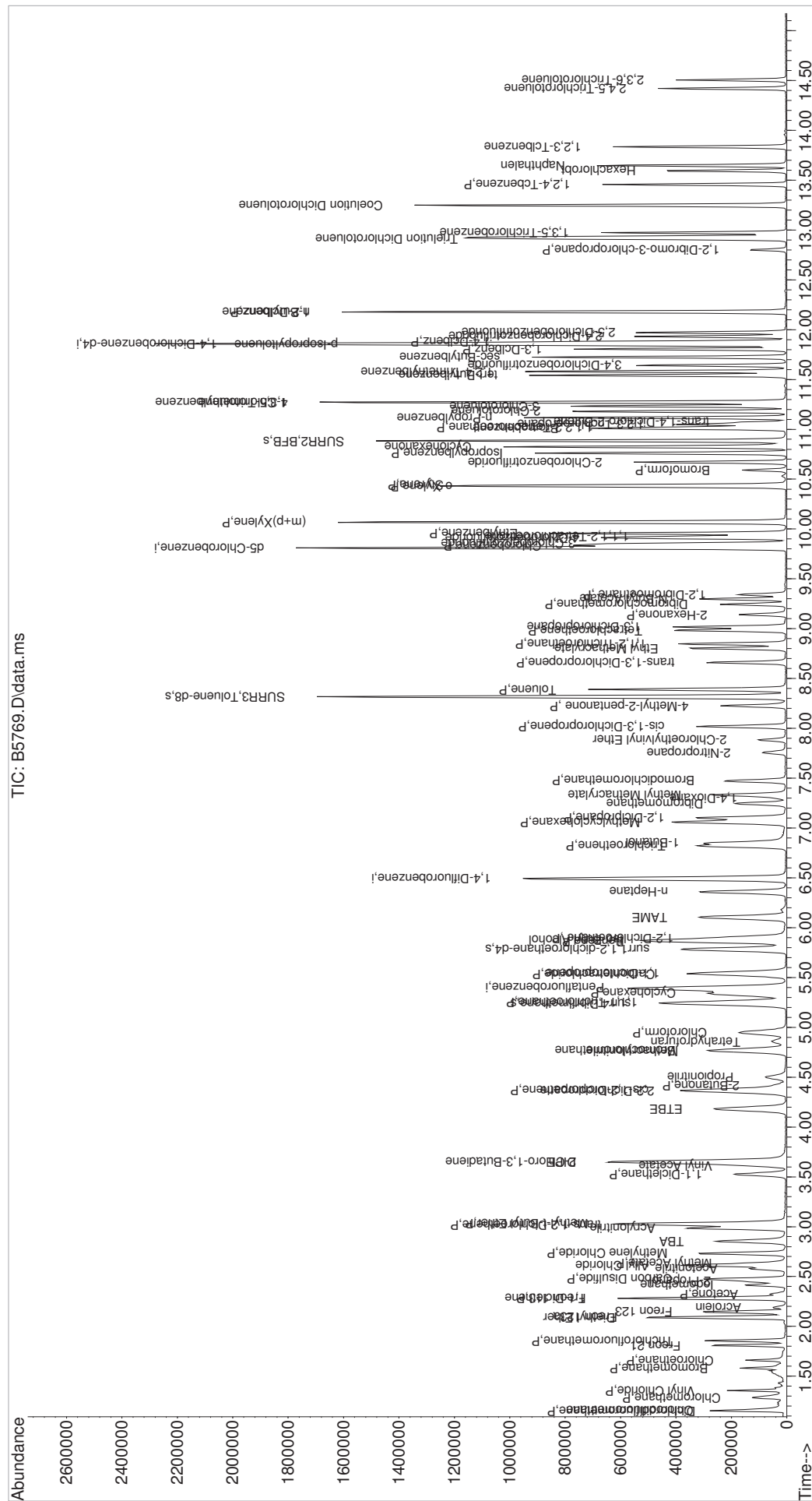
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	397797	22.27	ug/L	97
105) 1,3-Dclbenz	11.804	146	218141	21.59	ug/L	97
106) 1,4-Dclbenz	11.877	146	229373	20.75	ug/L	94
107) 2,4-Dichlorobenzotrifl...	11.932	214	83617	19.00	ug/L	99
108) 2,5-Dichlorobenzotrifl...	11.975	214	94513	19.25	ug/L	97
109) n-Butylbenzene	12.176	91	357225	22.79	ug/L	96
110) 1,2-Dclbenz	12.176	146	218146	20.74	ug/L	95
111) 1,2-Dibromo-3-chloropr...	12.804	157	22026	17.78	ug/L	92
112) Trielution Dichlorotol...	12.914	125	542550	61.90	ug/L	96
113) 1,3,5-Trichlorobenzene	12.975	180	142861	19.90	ug/L	96
114) Coelution Dichlorotoluene	13.249	125	393097	41.31	ug/L	97
115) 1,2,4-Tcbenzene	13.456	180	138439	20.89	ug/L	97
116) Hexachlorobt	13.596	225	54284	24.35	ug/L	94
117) Naphthalen	13.645	128	394843	21.49	ug/L	100
118) 1,2,3-Tclbenzene	13.834	180	127054	19.79	ug/L	96
119) 2,4,5-Trichlorotoluene	14.419	159	82098	20.52	ug/L	96
120) 2,3,6-Trichlorotoluene	14.505	159	64197	19.17	ug/L	97

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

Inst : MSVOA10

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 10:42:24 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5830.D
 Acq On : 17 Sep 2022 11:38 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 11:55:32 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	485318	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	814951	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	729701	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	354958	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	263901	50.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	101.28%
47) surr1,1,2-dichloroetha...	5.781	65	335403	50.12	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	100.24%
65) SURR3,Toluene-d8	8.317	98	1003108	50.52	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.04%
70) SURR2,BFB	10.884	95	369706	49.43	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	98.86%

Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.148	85	121462	20.46	ug/L	98
4) Chloromethane	1.288	50	140460	21.64	ug/L	92
5) Vinyl Chloride	1.355	62	121612	19.84	ug/L	86
6) Bromomethane	1.581	94	56597	14.94	ug/L	94
7) Chloroethane	1.660	64	87075	21.21	ug/L	98
8) Freon 21	1.806	67	183555	19.08	ug/L	98
9) Trichlorofluoromethane	1.855	101	179293	22.78	ug/L	98
10) Diethyl Ether	2.087	59	102945	21.89	ug/L	94
11) Freon 123a	2.093	67	124321	20.95	ug/L	94
12) Freon 123	2.141	83	141125	21.70	ug/L	95
13) Acrolein	2.190	56	30123	24.18	ug/L	97
14) 1,1-Dicethene	2.282	96	101818	23.64	ug/L	96
15) Freon 113	2.282	101	101642	21.72	ug/L	98
16) Acetone	2.318	43	63246	22.05	ug/L	96
17) 2-Propanol	2.452	45	193130	372.98	ug/L	98
18) Iodomethane	2.410	142	117154	17.91	ug/L	96
19) Carbon Disulfide	2.477	76	268369	21.28	ug/L	99
20) Acetonitrile	2.580	41	130604	113.45	ug/L	95
21) Allyl Chloride	2.617	76	52716	22.97	ug/L	98
22) Methyl Acetate	2.635	43	133151	19.17	ug/L	98
23) Methylene Chloride	2.733	84	112660	20.83	ug/L	97
24) TBA	2.855	59	258298	383.57	ug/L	95
25) Acrylonitrile	2.983	53	298312	107.05	ug/L	95
26) Methyl-t-Butyl Ether	3.031	73	323579	21.83	ug/L	96
27) trans-1,2-Dichloroethene	3.025	96	106354	22.43	ug/L #	85
28) 1,1-Dicethane	3.525	63	202368	22.91	ug/L	97
29) Vinyl Acetate	3.623	86	16766	18.89	ug/L #	74
30) DIPE	3.653	45	422503	21.88	ug/L	99
31) 2-Chloro-1,3-Butadiene	3.647	53	175292	20.95	ug/L	95
32) ETBE	4.178	59	264527	19.57	ug/L	99
33) 2,2-Dichloropropane	4.360	77	113989	24.62	ug/L	97
34) cis-1,2-Dichloroethene	4.373	96	116180	21.00	ug/L	95
35) 2-Butanone	4.409	43	95183	19.83	ug/L	99
36) Propionitrile	4.495	54	119671	110.64	ug/L	94
37) Bromochloromethane	4.769	130	77566	21.27	ug/L #	88
38) Methacrylonitrile	4.769	67	51965	19.59	ug/L	93
39) Tetrahydrofuran	4.860	42	58425	20.07	ug/L	91
40) Chloroform	4.946	83	198039	21.69	ug/L	98
41) 1,1,1-Trichloroethane	5.251	97	147638	22.18	ug/L	92

Data Path : I:\ACQUDATA\msvoa10\data\091722\

Data File : B5830.D

Acq On : 17 Sep 2022 11:38 am

Operator : F.NAEGLER

Sample : LCS-UNP

Misc :

Inst : MSVOA10

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 11:55:32 2022

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M

Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

QLast Update : Thu Sep 08 14:38:30 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
43) Cyclohexane	5.336	41	138227	21.59	ug/L	96
45) Carbontetrachloride	5.531	117	120527	22.19	ug/L	99
46) 1,1-Dichloropropene	5.537	75	133010	20.98	ug/L	97
48) Benzene	5.866	78	422279	22.06	ug/L	96
49) 1,2-Dichloroethane	5.903	62	175859	22.47	ug/L	94
50) Iso-Butyl Alcohol	5.885	43	145703	383.96	ug/L	96
51) TAME	6.104	73	241738	20.06	ug/L	100
52) n-Heptane	6.360	43	180824	26.21	ug/L	94
53) 1-Butanol	6.848	56	160458	918.71	ug/L	94
54) Trichloroethene	6.817	130	107210	21.03	ug/L	93
55) Methylcyclohexane	7.061	55	136939	21.74	ug/L	97
56) 1,2-Diclpropane	7.104	63	112340	22.03	ug/L	99
57) Dibromomethane	7.244	93	76781	20.58	ug/L	97
58) 1,4-Dioxane	7.305	88	37670	366.63	ug/L	91
59) Methyl Methacrylate	7.329	69	83373	21.26	ug/L	96
60) Bromodichloromethane	7.470	83	137475	21.06	ug/L	97
61) 2-Nitropropane	7.756	41	62629	38.05	ug/L	97
62) 2-Chloroethylvinyl Ether	7.884	63	36684	11.08	ug/L	98
63) cis-1,3-Dichloropropene	8.018	75	145721	22.57	ug/L	95
64) 4-Methyl-2-pentanone	8.226	43	167115	19.71	ug/L	95
66) Toluene	8.390	91	461233	21.60	ug/L	99
67) trans-1,3-Dichloropropene	8.658	75	119654	24.85	ug/L	98
68) Ethyl Methacrylate	8.805	69	143288	21.83	ug/L	91
69) 1,1,2-Trichloroethane	8.847	97	101611	20.64	ug/L	96
72) Tetrachloroethene	8.982	164	75878	20.68	ug/L	93
73) 2-Hexanone	9.140	43	118845	19.56	ug/L	99
74) 1,3-Dichloropropane	9.018	76	173355	20.78	ug/L	99
75) Dibromochloromethane	9.244	129	99234	19.81	ug/L	93
76) N-Butyl Acetate	9.299	43	222735	19.09	ug/L	98
77) 1,2-Dibromoethane	9.341	107	102354	21.20	ug/L	91
78) 3-Chlorobenzotrifluoride	9.853	180	124154	18.60	ug/L	94
79) Chlorobenzene	9.835	112	287958	21.37	ug/L	97
80) 4-Chlorobenzotrifluoride	9.908	180	112616	18.89	ug/L	96
81) 1,1,1,2-Tetrachloroethane	9.926	131	92038	21.59	ug/L	89
82) Ethylbenzene	9.957	106	159960	22.59	ug/L	97
83) (m+p)Xylene	10.067	106	387743	44.05	ug/L	99
84) o-Xylene	10.426	106	196244	22.65	ug/L	98
85) Styrene	10.439	104	328988	22.96	ug/L	98
86) Bromoform	10.591	173	57878	22.35	ug/L	88
87) 2-Chlorobenzotrifluoride	10.670	180	125934	18.74	ug/L	94
88) Isopropylbenzene	10.762	105	486814	23.54	ug/L	98
89) Cyclohexanone	10.823	55	415055	471.98	ug/L	99
90) trans-1,4-Dichloro-2-B...	11.066	53	28542	21.69	ug/L	89
92) 1,1,2,2-Tetrachloroethane	11.018	83	145084	21.24	ug/L	99
93) Bromobenzene	11.006	156	119341	20.39	ug/L	90
94) 1,2,3-Trichloropropane	11.054	110	44475	20.14	ug/L	94
95) n-Propylbenzene	11.115	91	592121	23.59	ug/L	99
96) 2-Chlorotoluene	11.182	91	346993	22.46	ug/L	99
97) 3-Chlorotoluene	11.231	91	336285	21.09	ug/L	99
98) 4-Chlorotoluene	11.274	91	409855	23.16	ug/L	99
99) 1,3,5-Trimethylbenzene	11.268	105	423721	22.98	ug/L	98
100) tert-Butylbenzene	11.542	119	354420	23.63	ug/L	98
101) 1,2,4-Trimethylbenzene	11.585	105	423456	23.68	ug/L	97
102) 3,4-Dichlorobenzotrifl...	11.640	214	95810	19.26	ug/L	93
103) sec-Butylbenzene	11.725	105	518147	24.18	ug/L	98
104) p-Isopropyltoluene	11.847	119	442949	24.47	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5830.D
 Acq On : 17 Sep 2022 11:38 am
 Operator : F.NAEGLER
 Sample : LCS-UNP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

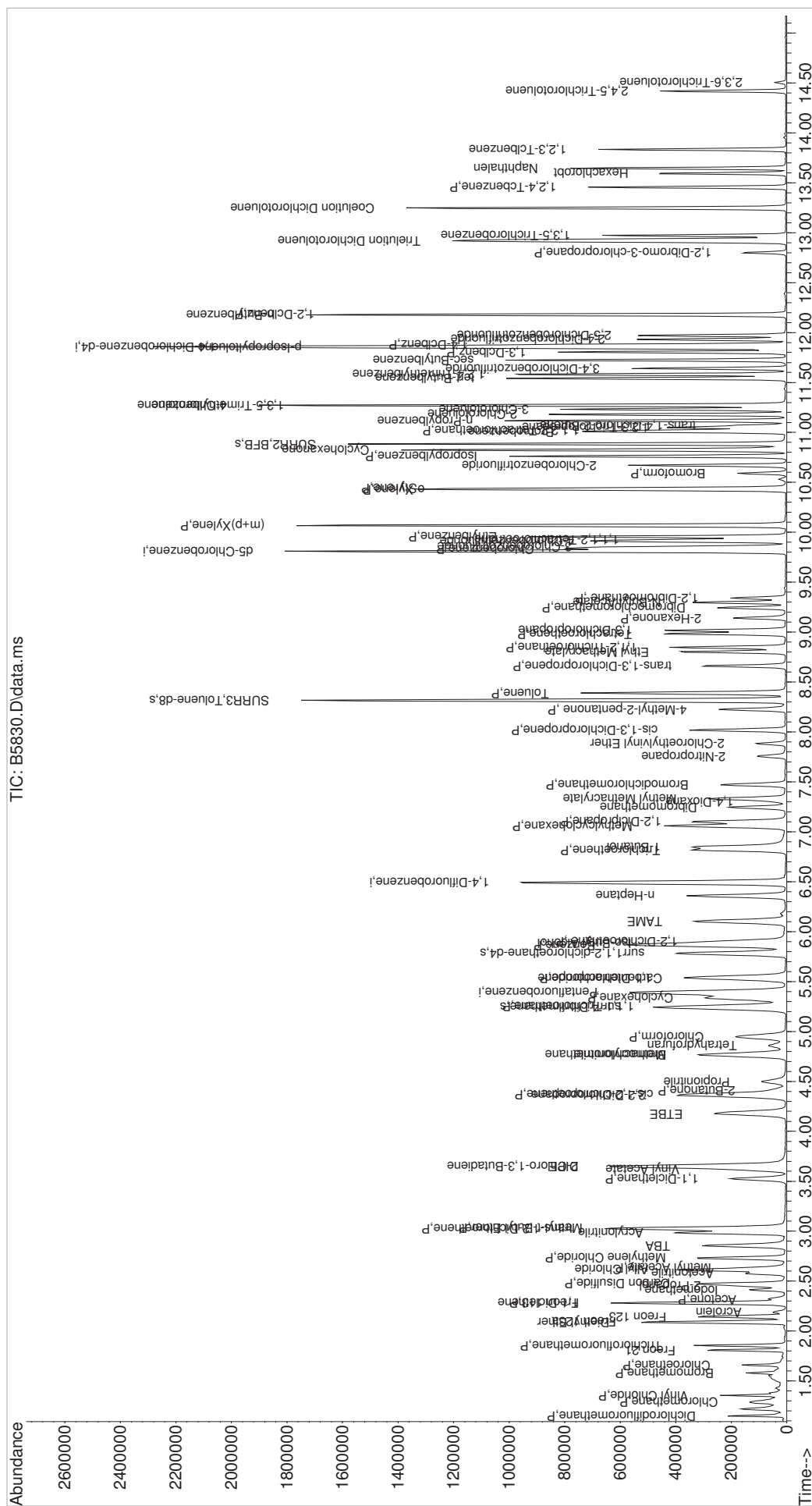
Quant Time: Sep 17 11:55:32 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
105)	1,3-Dclbenz	11.804	146	236813	23.12	ug/L	97
106)	1,4-Dclbenz	11.877	146	239260	21.35	ug/L	96
107)	2,4-Dichlorobenzotrifl...	11.932	214	84641	18.98	ug/L	96
108)	2,5-Dichlorobenzotrifl...	11.975	214	97277	19.55	ug/L	93
109)	n-Butylbenzene	12.176	91	393525	24.76	ug/L	98
110)	1,2-Dclbenz	12.182	146	235825	22.12	ug/L	99
111)	1,2-Dibromo-3-chloropr...	12.798	157	26250	20.90	ug/L	89
112)	Trielution Dichlorotol...	12.920	125	553746	62.33	ug/L	97
113)	1,3,5-Trichlorobenzene	12.975	180	141206	19.41	ug/L	96
114)	Coelution Dichlorotoluene	13.249	125	395878	41.05	ug/L	99
115)	1,2,4-Tcbenzene	13.456	180	146552	21.82	ug/L	96
116)	Hexachlorobt	13.596	225	58580	25.91	ug/L	94
117)	Naphthalen	13.645	128	431233	23.15	ug/L	99
118)	1,2,3-Tclbenzene	13.834	180	136697	21.01	ug/L	94
119)	2,4,5-Trichlorotoluene	14.419	159	82400	20.32	ug/L	92
120)	2,3,6-Trichlorotoluene	14.505	159	6373	1.88	ug/L	96

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

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 11:55:32 2022
Quant Method : I:\ACQDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5768.D
 Acq On : 16 Sep 2022 9:46 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:03:43 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	53.553	-7.1	117	0.00
3 P	Dichlorodifluoromethane	50.000	56.276	-12.6	123	0.00
4 P	Chloromethane	50.000	47.510	5.0	119	0.00
5 P	Vinyl Chloride	50.000	53.309	-6.6	122	0.00
6 P	Bromomethane	50.000	46.332	7.3	97	0.00
7 P	Chloroethane	50.000	49.021	2.0	125	0.00
8	Freon 21	50.000	52.492	-5.0	124	0.00
9 P	Trichlorofluoromethane	50.000	54.291	-8.6	132	0.00
10	Diethyl Ether	50.000	51.241	-2.5	118	0.00
11	Freon 123a	50.000	49.792	0.4	121	0.00
12	Freon 123	50.000	52.514	-5.0	126	0.00
13	Acrolein	250.000	216.385	13.4	93	0.00
14	1,1-Dicethene	50.000	52.722	-5.4	130	0.00
15 P	Freon 113	50.000	52.666	-5.3	136	0.00
16 P	Acetone	50.000	43.242	13.5	98	0.00
17	2-Propanol	1000.000	862.837	13.7	98	0.00
18	Iodomethane	50.000	52.836	-5.7	115	0.00
19 P	Carbon Disulfide	50.000	48.697	2.6	110	0.00
20	Acetonitrile	250.000	258.887	-3.6	111	0.00
21	Allyl Chloride	50.000	51.585	-3.2	127	0.00
22 P	Methyl Acetate	50.000	45.263	9.5	104	0.00
23 P	Methylene Chloride	50.000	49.258	1.5	120	0.00
24	TBA	1000.000	823.811	17.6	92	0.00
25	Acrylonitrile	250.000	236.724	5.3	102	0.00
26 P	Methyl-t-Butyl Ether	50.000	49.327	1.3	113	0.00
27 P	trans-1,2-Dichloroethene	50.000	52.825	-5.7	128	0.00
28 P	1,1-Dicethane	50.000	53.510	-7.0	124	0.00
29	Vinyl Acetate	50.000	48.544	2.9	106	0.00
30	DIPE	50.000	52.852	-5.7	115	0.00
31	2-Chloro-1,3-Butadiene	50.000	49.818	0.4	110	0.00
32	ETBE	50.000	51.451	-2.9	115	0.00
33	2,2-Dichloropropane	50.000	56.257	-12.5	130	0.00
34 P	cis-1,2-Dichloroethene	50.000	50.774	-1.5	121	0.00
35 P	2-Butanone	50.000	43.868	12.3	99	0.00
36	Propionitrile	250.000	242.213	3.1	101	0.00
37	Bromochloromethane	50.000	49.325	1.3	115	0.00
38	Methacrylonitrile	50.000	45.102	9.8	102	0.00
39	Tetrahydrofuran	50.000	42.925	14.2	100	0.00
40 P	Chloroform	50.000	50.645	-1.3	119	0.00
41 P	1,1,1-Trichloroethane	50.000	53.541	-7.1	127	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	113	0.00
43 P	Cyclohexane	50.000	51.409	-2.8	120	0.00
44 s	surr4,Dibrflmethane	50.000	50.744	-1.5	116	0.00
45 P	Carbontetrachloride	50.000	54.079	-8.2	128	0.00
46	1,1-Dichloropropene	50.000	53.369	-6.7	127	0.00
47 s	surr1,1,2-dichloroethane-d4	50.000	49.457	1.1	110	0.00
48 P	Benzene	50.000	51.945	-3.9	122	0.00
49 P	1,2-Dichloroethane	50.000	52.037	-4.1	115	0.00
50	Iso-Butyl Alcohol	1000.000	859.992	14.0	93	0.00
51	TAME	50.000	50.502	-1.0	109	0.00

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5768.D
 Acq On : 16 Sep 2022 9:46 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:03:43 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	60.952	-21.9#	156	0.00
53	1-Butanol	2500.000	2245.588	10.2	91	0.00
54 P	Trichloroethene	50.000	52.350	-4.7	124	0.00
55 P	Methylcyclohexane	50.000	53.543	-7.1	127	0.00
56 P	1,2-Dicloropropane	50.000	52.333	-4.7	115	0.00
57	Dibromomethane	50.000	46.084	7.8	110	0.00
58	1,4-Dioxane	1000.000	838.560	16.1	96	0.00
59	Methyl Methacrylate	50.000	48.087	3.8	103	0.00
60 P	Bromodichloromethane	50.000	50.705	-1.4	116	0.00
61	2-Nitropropane	100.000	89.202	10.8	98	0.00
62	2-Chloroethylvinyl Ether	50.000	48.513	3.0	101	0.00
63 P	cis-1,3-Dichloropropene	50.000	55.126	-10.3	117	0.00
64 P	4-Methyl-2-pentanone	50.000	45.587	8.8	97	0.00
65 s	SURR3,Toluene-d8	50.000	50.705	-1.4	116	0.00
66 P	Toluene	50.000	51.564	-3.1	120	0.00
67 P	trans-1,3-Dichloropropene	50.000	53.678	-7.4	111	0.00
68	Ethyl Methacrylate	50.000	49.962	0.1	103	0.00
69 P	1,1,2-Trichloroethane	50.000	48.820	2.4	110	0.00
70 s	SURR2,BFB	50.000	50.508	-1.0	113	0.00
71 i	d5-Chlorobenzene	50.000	50.000	0.0	113	0.00
72 P	Tetrachloroethene	50.000	51.216	-2.4	128	0.00
73 P	2-Hexanone	50.000	44.845	10.3	99	0.00
74	1,3-Dichloropropane	50.000	48.395	3.2	110	0.00
75 P	Dibromochloromethane	50.000	49.382	1.2	109	0.00
76	N-Butyl Acetate	50.000	48.656	2.7	101	0.00
77 P	1,2-Dibromoethane	50.000	49.892	0.2	108	0.00
78	3-Chlorobenzotrifluoride	50.000	52.871	-5.7	118	0.00
79 P	Chlorobenzene	50.000	52.437	-4.9	119	0.00
80	4-Chlorobenzotrifluoride	50.000	53.441	-6.9	118	0.00
81	1,1,1,2-Tetrachloroethane	50.000	50.080	-0.2	115	0.00
82 P	Ethylbenzene	50.000	52.947	-5.9	123	0.00
83 P	(m+p)Xylene	100.000	104.487	-4.5	124	0.00
84 P	o-Xylene	50.000	52.024	-4.0	120	0.00
85 P	Styrene	50.000	53.968	-7.9	117	0.00
86 P	Bromoform	50.000	51.111	-2.2	102	0.00
87	2-Chlorobenzotrifluoride	50.000	53.234	-6.5	114	0.00
88 P	Isopropylbenzene	50.000	54.051	-8.1	125	0.00
89	Cyclohexanone	1000.000	626.485	37.4#	77	0.00
90	trans-1,4-Dichloro-2-Butene	50.000	47.775	4.5	107	0.00
91 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
92 P	1,1,2,2-Tetrachloroethane	50.000	47.319	5.4	103	0.00
93	Bromobenzene	50.000	48.589	2.8	114	0.00
94	1,2,3-Trichloropropane	50.000	45.722	8.6	100	0.00
95	n-Propylbenzene	50.000	53.721	-7.4	126	0.00
96	2-Chlorotoluene	50.000	52.355	-4.7	121	0.00
97	3-Chlorotoluene	50.000	54.805	-9.6	111	0.00
98	4-Chlorotoluene	50.000	52.498	-5.0	122	0.00
99	1,3,5-Trimethylbenzene	50.000	53.144	-6.3	123	0.00
100	tert-Butylbenzene	50.000	53.526	-7.1	123	0.00
101	1,2,4-Trimethylbenzene	50.000	54.832	-9.7	123	0.00

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5768.D
 Acq On : 16 Sep 2022 9:46 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:03:43 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	52.456	-4.9	115	0.00
103	sec-Butylbenzene	50.000	54.982	-10.0	127	0.00
104	p-Isopropyltoluene	50.000	56.671	-13.3	127	0.00
105 P	1,3-Dclbenz	50.000	52.398	-4.8	116	0.00
106 P	1,4-Dclbenz	50.000	49.501	1.0	118	0.00
107	2,4-Dichlorobenzotrifluorid	50.000	50.349	-0.7	110	0.00
108	2,5-Dichlorobenzotrifluorid	50.000	52.994	-6.0	116	0.00
109	n-Butylbenzene	50.000	58.804	-17.6	133	0.00
110 P	1,2-Dclbenz	50.000	51.530	-3.1	115	0.00
111 P	1,2-Dibromo-3-chloropropane	50.000	45.731	8.5	94	0.00
112	Trielution Dichlorotoluene	150.000	167.579	-11.7	115	0.00
113	1,3,5-Trichlorobenzene	50.000	52.274	-4.5	114	0.00
114	Coelution Dichlorotoluene	100.000	113.031	-13.0	114	0.00
115 P	1,2,4-Tcbenzene	50.000	54.370	-8.7	119	0.00
116	Hexachlorobt	50.000	55.121	-10.2	134	0.00
117	Naphthalen	50.000	53.485	-7.0	105	0.00
118	1,2,3-Tclbenzene	50.000	52.639	-5.3	112	0.00
119	2,4,5-Trichlorotoluene	50.000	52.915	-5.8	115	0.00
120	2,3,6-Trichlorotoluene	50.000	53.786	-7.6	102	0.00

(#) = Out of Range

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

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5768.D
 Acq On : 16 Sep 2022 9:46 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:03:43 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	469473	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	781046	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	713897	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	358718	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	253449	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	101.48%
47) surr1,1,2-dichloroetha...	5.781	65	317173	49.46	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	98.92%
65) SURR3,Toluene-d8	8.317	98	964966	50.70	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.40%
70) SURR2,BFB	10.884	95	362066	50.51	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	101.02%

Target Compounds						Qvalue
2) Chlorodifluoromethane	1.160	51	287526	53.55	ug/L	100
3) Dichlorodifluoromethane	1.148	85	323175	56.28	ug/L	97
4) Chloromethane	1.288	50	298279	47.51	ug/L	97
5) Vinyl Chloride	1.355	62	316165	53.31	ug/L	98
6) Bromomethane	1.581	94	154299	46.33	ug/L	96
7) Chloroethane	1.660	64	194641	49.02	ug/L	95
8) Freon 21	1.806	67	488482	52.49	ug/L	97
9) Trichlorofluoromethane	1.855	101	413346	54.29	ug/L	98
10) Diethyl Ether	2.087	59	233120	51.24	ug/L	97
11) Freon 123a	2.093	67	285850	49.79	ug/L	98
12) Freon 123	2.148	83	330329	52.51	ug/L	95
13) Acrolein	2.190	56	260740	216.38	ug/L	99
14) 1,1-Dicethene	2.282	96	219665	52.72	ug/L	98
15) Freon 113	2.282	101	238407	52.67	ug/L	96
16) Acetone	2.318	43	120003	43.24	ug/L	99
17) 2-Propanol	2.452	45	432193	862.84	ug/L	99
18) Iodomethane	2.416	142	334332	52.84	ug/L	96
19) Carbon Disulfide	2.477	76	594167	48.70	ug/L	99
20) Acetonitrile	2.574	41	288302	258.89	ug/L	95
21) Allyl Chloride	2.611	76	114521	51.59	ug/L	93
22) Methyl Acetate	2.635	43	304148	45.26	ug/L	98
23) Methylene Chloride	2.733	84	257696	49.26	ug/L	95
24) TBA	2.855	59	536652	823.81	ug/L	98
25) Acrylonitrile	2.983	53	638125	236.72	ug/L	98
26) Methyl-t-Butyl Ether	3.031	73	707417	49.33	ug/L	97
27) trans-1,2-Dichloroethene	3.025	96	242267	52.82	ug/L	90
28) 1,1-Dicethane	3.525	63	457188	53.51	ug/L	99
29) Vinyl Acetate	3.617	86	44205	48.54	ug/L #	91
30) DIPE	3.653	45	987206	52.85	ug/L	97
31) 2-Chloro-1,3-Butadiene	3.647	53	403195	49.82	ug/L	99
32) ETBE	4.178	59	672788	51.45	ug/L	98
33) 2,2-Dichloropropane	4.360	77	252000	56.26	ug/L	93
34) cis-1,2-Dichloroethene	4.367	96	271685	50.77	ug/L	95
35) 2-Butanone	4.415	43	203690	43.87	ug/L	90
36) Propionitrile	4.495	54	253425	242.21	ug/L	97
37) Bromochloromethane	4.763	130	173991	49.32	ug/L	96
38) Methacrylonitrile	4.769	67	115734	45.10	ug/L #	76
39) Tetrahydrofuran	4.860	42	120902	42.92	ug/L	96
40) Chloroform	4.952	83	447335	50.64	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5768.D
 Acq On : 16 Sep 2022 9:46 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:03:43 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
41) 1,1,1-Trichloroethane	5.251	97	344777	53.54	ug/L	96
43) Cyclohexane	5.342	41	315419	51.41	ug/L	99
45) Carbontetrachloride	5.531	117	281540	54.08	ug/L	100
46) 1,1-Dichloropropene	5.543	75	324263	53.37	ug/L	97
48) Benzene	5.866	78	952825	51.95	ug/L	98
49) 1,2-Dichloroethane	5.903	62	390329	52.04	ug/L	97
50) Iso-Butyl Alcohol	5.878	43	312769	859.99	ug/L	88
51) TAME	6.104	73	583128	50.50	ug/L	98
52) n-Heptane	6.360	43	403041	60.95	ug/L	99
53) 1-Butanol	6.854	56	403247	2245.59	ug/L	95
54) Trichloroethene	6.817	130	255721	52.35	ug/L	97
55) Methylcyclohexane	7.061	55	323210	53.54	ug/L	98
56) 1,2-Dicloropropane	7.104	63	255793	52.33	ug/L	99
57) Dibromomethane	7.244	93	164805	46.08	ug/L	95
58) 1,4-Dioxane	7.305	88	82575	838.56	ug/L	91
59) Methyl Methacrylate	7.335	69	180725	48.09	ug/L	98
60) Bromodichloromethane	7.470	83	317246	50.70	ug/L	96
61) 2-Nitropropane	7.756	41	140702	89.20	ug/L	97
62) 2-Chloroethylvinyl Ether	7.884	63	153916	48.51	ug/L	96
63) cis-1,3-Dichloropropene	8.018	75	341041	55.13	ug/L	97
64) 4-Methyl-2-pentanone	8.226	43	370375	45.59	ug/L	99
66) Toluene	8.390	91	1055076	51.56	ug/L	99
67) trans-1,3-Dichloropropene	8.658	75	268820	53.68	ug/L	97
68) Ethyl Methacrylate	8.805	69	314277	49.96	ug/L	98
69) 1,1,2-Trichloroethane	8.847	97	230353	48.82	ug/L	99
72) Tetrachloroethene	8.988	164	183886	51.22	ug/L	95
73) 2-Hexanone	9.140	43	266544	44.85	ug/L	99
74) 1,3-Dichloropropane	9.018	76	394905	48.39	ug/L	96
75) Dibromochloromethane	9.244	129	242016	49.38	ug/L	99
76) N-Butyl Acetate	9.299	43	555447	48.66	ug/L	99
77) 1,2-Dibromoethane	9.341	107	235616	49.89	ug/L	96
78) 3-Chlorobenzotrifluoride	9.853	180	345320	52.87	ug/L	98
79) Chlorobenzene	9.835	112	691149	52.44	ug/L	97
80) 4-Chlorobenzotrifluoride	9.908	180	311777	53.44	ug/L	99
81) 1,1,1,2-Tetrachloroethane	9.926	131	214836	50.08	ug/L	96
82) Ethylbenzene	9.957	106	366744	52.95	ug/L	98
83) (m+p)Xylene	10.067	106	899755	104.49	ug/L	98
84) o-Xylene	10.426	106	440930	52.02	ug/L	98
85) Styrene	10.439	104	756638	53.97	ug/L	97
86) Bromoform	10.591	173	137100	51.11	ug/L	97
87) 2-Chlorobenzotrifluoride	10.670	180	349974	53.23	ug/L	98
88) Isopropylbenzene	10.762	105	1093488	54.05	ug/L	99
89) Cyclohexanone	10.823	55	538993	626.48	ug/L	97
90) trans-1,4-Dichloro-2-B...	11.073	53	63168	47.78	ug/L	93
92) 1,1,2,2-Tetrachloroethane	11.018	83	326572	47.32	ug/L	98
93) Bromobenzene	11.006	156	287463	48.59	ug/L	98
94) 1,2,3-Trichloropropane	11.048	110	102055	45.72	ug/L	99
95) n-Propylbenzene	11.115	91	1362931	53.72	ug/L	100
96) 2-Chlorotoluene	11.182	91	817422	52.35	ug/L	96
97) 3-Chlorotoluene	11.231	91	883206	54.80	ug/L	99
98) 4-Chlorotoluene	11.274	91	939041	52.50	ug/L	100
99) 1,3,5-Trimethylbenzene	11.268	105	990087	53.14	ug/L	99
100) tert-Butylbenzene	11.542	119	811295	53.53	ug/L	98
101) 1,2,4-Trimethylbenzene	11.579	105	990958	54.83	ug/L	96
102) 3,4-Dichlorobenzotrifl...	11.640	214	263651	52.46	ug/L	98
103) sec-Butylbenzene	11.725	105	1190440	54.98	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5768.D
 Acq On : 16 Sep 2022 9:46 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 16 10:03:43 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
104) p-Isopropyltoluene	11.847	119	1036885	56.67	ug/L	99
105) 1,3-Dclbenz	11.804	146	542323	52.40	ug/L	99
106) 1,4-Dclbenz	11.877	146	560572	49.50	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.932	214	226949	50.35	ug/L	98
108) 2,5-Dichlorobenzotrifl...	11.975	214	266464	52.99	ug/L	98
109) n-Butylbenzene	12.176	91	944373	58.80	ug/L	98
110) 1,2-Dclbenz	12.182	146	555150	51.53	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.804	157	58046	45.73	ug/L	95
112) Trielution Dichlorotol...	12.920	125	1504616	167.58	ug/L	98
113) 1,3,5-Trichlorobenzene	12.975	180	384376	52.27	ug/L	94
114) Coelution Dichlorotoluene	13.249	125	1101705	113.03	ug/L	98
115) 1,2,4-Tcbenzene	13.456	180	369055	54.37	ug/L	99
116) Hexachlorobt	13.596	225	127564	55.12	ug/L	98
117) Naphthalen	13.645	128	1006817	53.48	ug/L	100
118) 1,2,3-Tclbenzene	13.834	180	346136	52.64	ug/L	99
119) 2,4,5-Trichlorotoluene	14.419	159	222396	52.92	ug/L	97
120) 2,3,6-Trichlorotoluene	14.505	159	184489	53.79	ug/L	96

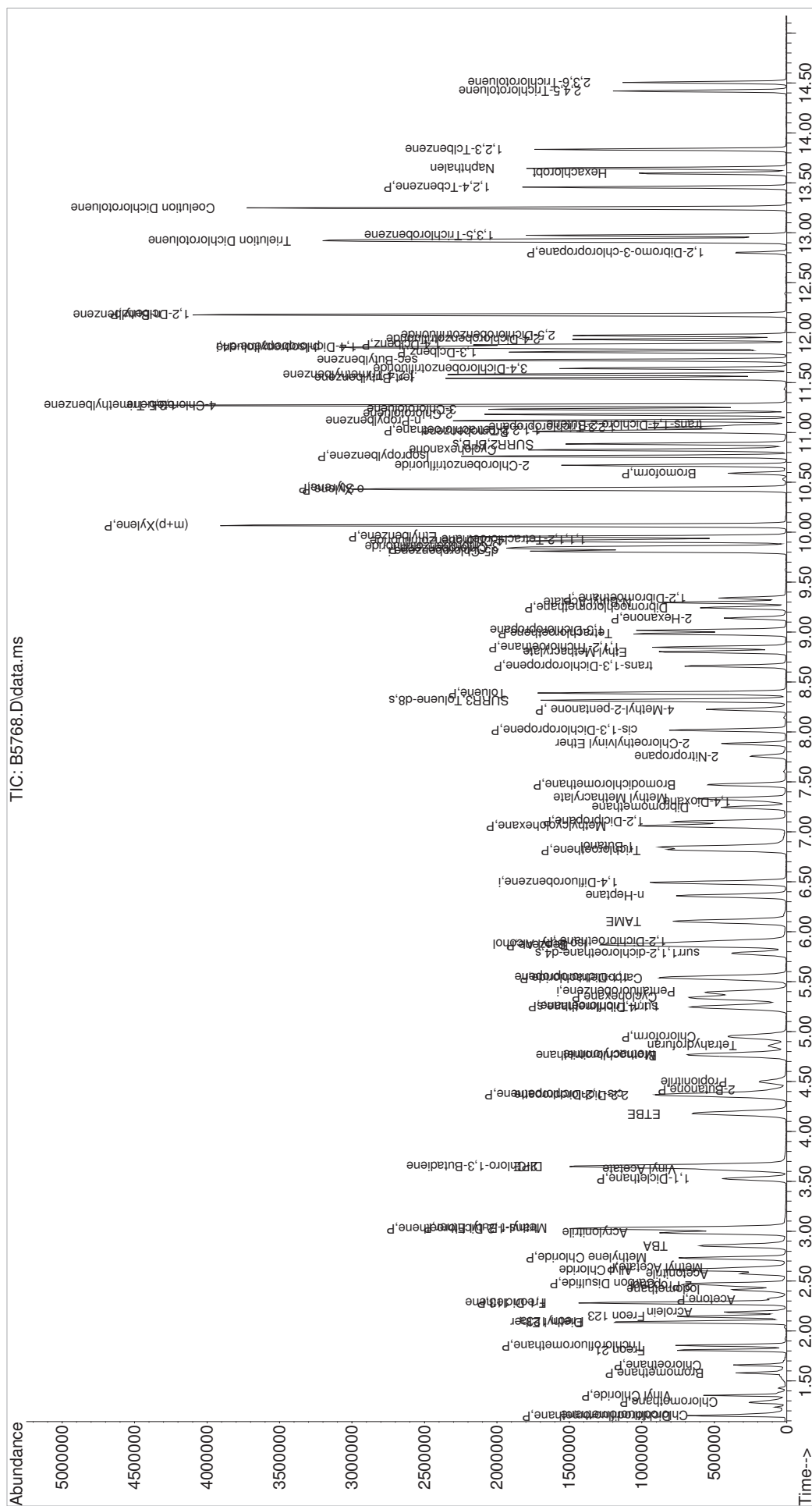
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data Path : I:\ACQUDATA\msvoa10\data\091622\
Data File : B5768.D
Acq On : 16 Sep 2022 9:46 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1
```

Inst : MSVOA10

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 16 10:03:43 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5829.D
 Acq On : 17 Sep 2022 11:03 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 11:52:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	116	0.00
2	Chlorodifluoromethane	50.000	0.000	100.0#	0	-1.17#
3 P	Dichlorodifluoromethane	50.000	54.181	-8.4	121	0.00
4 P	Chloromethane	50.000	46.843	6.3	120	0.00
5 P	Vinyl Chloride	50.000	51.463	-2.9	121	0.00
6 P	Bromomethane	50.000	33.401	33.2#	74	0.00
7 P	Chloroethane	50.000	52.770	-5.5	138	0.00
8	Freon 21	50.000	53.522	-7.0	129	0.00
9 P	Trichlorofluoromethane	50.000	52.722	-5.4	132	0.00
10	Diethyl Ether	50.000	51.818	-3.6	122	0.00
11	Freon 123a	50.000	52.750	-5.5	131	0.00
12	Freon 123	50.000	55.153	-10.3	135	0.00
13	Acrolein	250.000	234.709	6.1	104	0.00
14	1,1-Dicethene	50.000	51.707	-3.4	131	0.00
15 P	Freon 113	50.000	50.874	-1.7	135	0.00
16 P	Acetone	50.000	53.127	-6.3	123	0.00
17	2-Propanol	1000.000	936.597	6.3	108	0.00
18	Iodomethane	50.000	42.885	14.2	96	0.00
19 P	Carbon Disulfide	50.000	54.391	-8.8	126	0.00
20	Acetonitrile	250.000	287.414	-15.0	126	0.00
21	Allyl Chloride	50.000	49.930	0.1	126	0.00
22 P	Methyl Acetate	50.000	48.143	3.7	113	0.00
23 P	Methylene Chloride	50.000	49.089	1.8	123	0.00
24	TBA	1000.000	938.985	6.1	108	0.00
25	Acrylonitrile	250.000	253.804	-1.5	112	0.00
26 P	Methyl-t-Butyl Ether	50.000	49.980	0.0	117	0.00
27 P	trans-1,2-Dichloroethene	50.000	51.725	-3.5	128	0.00
28 P	1,1-Dicethane	50.000	52.989	-6.0	126	0.00
29	Vinyl Acetate	50.000	52.248	-4.5	118	0.00
30	DIPE	50.000	49.142	1.7	109	0.00
31	2-Chloro-1,3-Butadiene	50.000	54.870	-9.7	124	0.00
32	ETBE	50.000	47.767	4.5	110	0.00
33	2,2-Dichloropropane	50.000	54.936	-9.9	130	0.00
34 P	cis-1,2-Dichloroethene	50.000	49.788	0.4	121	0.00
35 P	2-Butanone	50.000	48.678	2.6	112	0.00
36	Propionitrile	250.000	265.880	-6.4	114	0.00
37	Bromochloromethane	50.000	49.154	1.7	117	0.00
38	Methacrylonitrile	50.000	49.670	0.7	115	0.01
39	Tetrahydrofuran	50.000	46.463	7.1	110	0.00
40 P	Chloroform	50.000	50.286	-0.6	121	0.00
41 P	1,1,1-Trichloroethane	50.000	51.571	-3.1	125	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
43 P	Cyclohexane	50.000	56.789	-13.6	135	0.00
44 s	surr4,Dibrflmethane	50.000	51.136	-2.3	118	0.00
45 P	Carbontetrachloride	50.000	53.874	-7.7	129	0.00
46	1,1-Dichloropropene	50.000	53.791	-7.6	129	0.00
47 s	surr1,1,2-dichloroethane-d4	50.000	51.456	-2.9	116	0.00
48 P	Benzene	50.000	52.505	-5.0	125	0.00
49 P	1,2-Dichloroethane	50.000	53.729	-7.5	120	0.00
50	Iso-Butyl Alcohol	1000.000	966.195	3.4	106	0.00
51	TAME	50.000	48.932	2.1	106	0.00

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5829.D
 Acq On : 17 Sep 2022 11:03 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 11:52:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 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	60.702	-21.4#	157	0.00
53	1-Butanol	2500.000	2442.117	2.3	101	0.00
54 P	Trichloroethene	50.000	51.725	-3.5	124	0.00
55 P	Methylcyclohexane	50.000	58.062	-16.1	139	0.00
56 P	1,2-Dicloropropane	50.000	52.710	-5.4	117	0.00
57	Dibromomethane	50.000	48.458	3.1	117	0.00
58	1,4-Dioxane	1000.000	966.012	3.4	112	0.00
59	Methyl Methacrylate	50.000	50.371	-0.7	109	0.00
60 P	Bromodichloromethane	50.000	52.476	-5.0	121	0.00
61	2-Nitropropane	100.000	106.292	-6.3	118	0.00
62	2-Chloroethylvinyl Ether	50.000	51.666	-3.3	109	0.00
63 P	cis-1,3-Dichloropropene	50.000	55.852	-11.7	120	0.00
64 P	4-Methyl-2-pentanone	50.000	51.883	-3.8	111	0.00
65 s	SURR3,Toluene-d8	50.000	51.162	-2.3	119	0.00
66 P	Toluene	50.000	51.714	-3.4	122	0.00
67 P	trans-1,3-Dichloropropene	50.000	56.275	-12.5	118	0.00
68	Ethyl Methacrylate	50.000	53.289	-6.6	111	0.00
69 P	1,1,2-Trichloroethane	50.000	51.130	-2.3	117	0.00
70 s	SURR2,BFB	50.000	51.948	-3.9	117	0.00
71 i	d5-Chlorobenzene	50.000	50.000	0.0	114	0.00
72 P	Tetrachloroethene	50.000	49.692	0.6	126	0.00
73 P	2-Hexanone	50.000	50.380	-0.8	112	0.00
74	1,3-Dichloropropane	50.000	50.059	-0.1	116	0.00
75 P	Dibromochloromethane	50.000	51.515	-3.0	115	0.00
76	N-Butyl Acetate	50.000	52.061	-4.1	109	0.00
77 P	1,2-Dibromoethane	50.000	52.146	-4.3	114	0.00
78	3-Chlorobenzotrifluoride	50.000	44.394	11.2	100	0.00
79 P	Chlorobenzene	50.000	52.254	-4.5	120	0.00
80	4-Chlorobenzotrifluoride	50.000	44.075	11.8	98	0.00
81	1,1,1,2-Tetrachloroethane	50.000	51.394	-2.8	119	0.00
82 P	Ethylbenzene	50.000	51.983	-4.0	122	0.00
83 P	(m+p)Xylene	100.000	103.682	-3.7	125	0.00
84 P	o-Xylene	50.000	52.494	-5.0	122	0.00
85 P	Styrene	50.000	53.708	-7.4	118	0.00
86 P	Bromoform	50.000	54.050	-8.1	110	0.00
87	2-Chlorobenzotrifluoride	50.000	44.313	11.4	96	0.00
88 P	Isopropylbenzene	50.000	52.975	-6.0	124	0.00
89	Cyclohexanone	1000.000	867.556	13.2	108	0.00
90	trans-1,4-Dichloro-2-Butene	50.000	47.729	4.5	108	0.00
91 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.00
92 P	1,1,2,2-Tetrachloroethane	50.000	49.896	0.2	111	0.00
93	Bromobenzene	50.000	48.077	3.8	115	0.00
94	1,2,3-Trichloropropane	50.000	49.132	1.7	110	0.00
95	n-Propylbenzene	50.000	51.557	-3.1	123	0.00
96	2-Chlorotoluene	50.000	50.803	-1.6	121	0.00
97	3-Chlorotoluene	50.000	49.817	0.4	104	0.00
98	4-Chlorotoluene	50.000	51.753	-3.5	123	0.00
99	1,3,5-Trimethylbenzene	50.000	51.509	-3.0	122	0.00
100	tert-Butylbenzene	50.000	51.475	-3.0	121	0.00
101	1,2,4-Trimethylbenzene	50.000	52.756	-5.5	122	0.00

Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5829.D
Acq On : 17 Sep 2022 11:03 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 11:52:24 2022
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
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	44.724	10.6	101	0.00
103	sec-Butylbenzene	50.000	53.232	-6.5	126	0.00
104	p-Isopropyltoluene	50.000	54.485	-9.0	125	0.00
105 P	1,3-Dclbenz	50.000	51.915	-3.8	118	0.00
106 P	1,4-Dclbenz	50.000	47.915	4.2	117	0.00
107	2,4-Dichlorobenzotrifluorid	50.000	46.168	7.7	103	0.00
108	2,5-Dichlorobenzotrifluorid	50.000	46.305	7.4	104	0.00
109	n-Butylbenzene	50.000	56.547	-13.1	131	0.00
110 P	1,2-Dclbenz	50.000	50.699	-1.4	116	0.00
111 P	1,2-Dibromo-3-chloropropane	50.000	49.615	0.8	105	0.00
112	Trielution Dichlorotoluene	150.000	151.037	-0.7	106	0.00
113	1,3,5-Trichlorobenzene	50.000	48.134	3.7	108	0.00
114	Coelution Dichlorotoluene	100.000	102.399	-2.4	106	0.00
115 P	1,2,4-Tcbenzene	50.000	53.726	-7.5	121	0.00
116	Hexachlorobt	50.000	54.174	-8.3	135	0.00
117	Naphthalen	50.000	55.731	-11.5	112	0.00
118	1,2,3-Tclbenzene	50.000	52.526	-5.1	115	0.00
119	2,4,5-Trichlorotoluene	50.000	49.146	1.7	110	0.00
120	2,3,6-Trichlorotoluene	50.000	56.716	-13.4	110	0.00

(#) = Out of Range

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

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5829.D
 Acq On : 17 Sep 2022 11:03 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 11:52:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	480665	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.494	114	790057	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.811	117	721762	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.859	152	367435	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	5.244	113	258354	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 116	Recovery	=	102.28%
47) surr1,1,2-dichloroetha...	5.781	65	333800	51.46	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	102.92%
65) SURR3,Toluene-d8	8.317	98	984906	51.16	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	102.32%
70) SURR2,BFB	10.884	95	376690	51.95	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	103.90%

Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.148	85	318560	54.18	ug/L	98
4) Chloromethane	1.288	50	301104	46.84	ug/L	98
5) Vinyl Chloride	1.355	62	312490	51.46	ug/L	91
6) Bromomethane	1.581	94	117415	33.40	ug/L	90
7) Chloroethane	1.660	64	214522	52.77	ug/L	97
8) Freon 21	1.806	67	509943	53.52	ug/L	96
9) Trichlorofluoromethane	1.855	101	410966	52.72	ug/L	98
10) Diethyl Ether	2.087	59	241366	51.82	ug/L	95
11) Freon 123a	2.093	67	310050	52.75	ug/L	91
12) Freon 123	2.141	83	355201	55.15	ug/L	94
13) Acrolein	2.190	56	289563	234.71	ug/L	99
14) 1,1-Dicethene	2.282	96	220572	51.71	ug/L	97
15) Freon 113	2.282	101	235786	50.87	ug/L	97
16) Acetone	2.324	43	150951	53.13	ug/L	98
17) 2-Propanol	2.452	45	480323	936.60	ug/L	100
18) Iodomethane	2.416	142	277833	42.89	ug/L	95
19) Carbon Disulfide	2.477	76	679461	54.39	ug/L	99
20) Acetonitrile	2.574	41	327700	287.41	ug/L	96
21) Allyl Chloride	2.611	76	113488	49.93	ug/L #	94
22) Methyl Acetate	2.635	43	331206	48.14	ug/L	97
23) Methylene Chloride	2.733	84	262932	49.09	ug/L	96
24) TBA	2.855	59	626262	938.99	ug/L	100
25) Acrylonitrile	2.983	53	700479	253.80	ug/L	99
26) Methyl-t-Butyl Ether	3.031	73	733877	49.98	ug/L	98
27) trans-1,2-Dichloroethene	3.025	96	242877	51.72	ug/L #	87
28) 1,1-Dicethane	3.525	63	463534	52.99	ug/L	99
29) Vinyl Acetate	3.611	86	49012	52.25	ug/L #	90
30) DIPE	3.653	45	939778	49.14	ug/L	100
31) 2-Chloro-1,3-Butadiene	3.647	53	454668	54.87	ug/L	97
32) ETBE	4.178	59	639514	47.77	ug/L	98
33) 2,2-Dichloropropane	4.367	77	251949	54.94	ug/L	96
34) cis-1,2-Dichloroethene	4.373	96	272757	49.79	ug/L	93
35) 2-Butanone	4.415	43	231412	48.68	ug/L	97
36) Propionitrile	4.495	54	284819	265.88	ug/L	96
37) Bromochloromethane	4.769	130	177521	49.15	ug/L	95
38) Methacrylonitrile	4.775	67	130496	49.67	ug/L	91
39) Tetrahydrofuran	4.860	42	133987	46.46	ug/L	86
40) Chloroform	4.952	83	454750	50.29	ug/L	98
41) 1,1,1-Trichloroethane	5.244	97	340006	51.57	ug/L	94

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5829.D
 Acq On : 17 Sep 2022 11:03 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 11:52:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
43) Cyclohexane	5.330	41	352447	56.79	ug/L	97
45) Carbontetrachloride	5.531	117	283704	53.87	ug/L	94
46) 1,1-Dichloropropene	5.543	75	330598	53.79	ug/L	97
48) Benzene	5.866	78	974197	52.50	ug/L	98
49) 1,2-Dichloroethane	5.903	62	407670	53.73	ug/L	94
50) Iso-Butyl Alcohol	5.879	43	355448	966.19	ug/L	93
51) TAME	6.104	73	571516	48.93	ug/L	97
52) n-Heptane	6.360	43	406020	60.70	ug/L	96
53) 1-Butanol	6.854	56	447609	2442.12	ug/L	92
54) Trichloroethene	6.823	130	255582	51.72	ug/L	95
55) Methylcyclohexane	7.061	55	354533	58.06	ug/L	97
56) 1,2-Diclpropane	7.098	63	260608	52.71	ug/L	98
57) Dibromomethane	7.244	93	175293	48.46	ug/L	97
58) 1,4-Dioxane	7.311	88	96223	966.01	ug/L	94
59) Methyl Methacrylate	7.336	69	191492	50.37	ug/L	97
60) Bromodichloromethane	7.470	83	332117	52.48	ug/L	97
61) 2-Nitropropane	7.756	41	169594	106.29	ug/L	95
62) 2-Chloroethylvinyl Ether	7.884	63	165809	51.67	ug/L	92
63) cis-1,3-Dichloropropene	8.018	75	349521	55.85	ug/L	96
64) 4-Methyl-2-pentanone	8.226	43	426387	51.88	ug/L	95
66) Toluene	8.390	91	1070346	51.71	ug/L	98
67) trans-1,3-Dichloropropene	8.658	75	287075	56.28	ug/L	99
68) Ethyl Methacrylate	8.805	69	339075	53.29	ug/L	95
69) 1,1,2-Trichloroethane	8.847	97	244037	51.13	ug/L	97
72) Tetrachloroethene	8.982	164	180381	49.69	ug/L	96
73) 2-Hexanone	9.140	43	302738	50.38	ug/L	98
74) 1,3-Dichloropropane	9.018	76	412987	50.06	ug/L	97
75) Dibromochloromethane	9.244	129	255250	51.52	ug/L	98
76) N-Butyl Acetate	9.299	43	600873	52.06	ug/L	99
77) 1,2-Dibromoethane	9.341	107	248971	52.15	ug/L	93
78) 3-Chlorobenzotrifluoride	9.853	180	293148	44.39	ug/L	99
79) Chlorobenzene	9.835	112	696320	52.25	ug/L	97
80) 4-Chlorobenzotrifluoride	9.908	180	259967	44.07	ug/L	97
81) 1,1,1,2-Tetrachloroethane	9.927	131	223165	51.39	ug/L	95
82) Ethylbenzene	9.957	106	364036	51.98	ug/L	97
83) (m+p)Xylene	10.067	106	902654	103.68	ug/L	97
84) o-Xylene	10.426	106	449811	52.49	ug/L	100
85) Styrene	10.439	104	761289	53.71	ug/L	99
86) Bromoform	10.591	173	147425	54.05	ug/L	91
87) 2-Chlorobenzotrifluoride	10.670	180	294533	44.31	ug/L	93
88) Isopropylbenzene	10.762	105	1083534	52.97	ug/L	99
89) Cyclohexanone	10.823	55	754620	867.56	ug/L	100
90) trans-1,4-Dichloro-2-B...	11.067	53	63800	47.73	ug/L	93
92) 1,1,2,2-Tetrachloroethane	11.024	83	352729	49.90	ug/L	96
93) Bromobenzene	11.006	156	291349	48.08	ug/L	97
94) 1,2,3-Trichloropropane	11.048	110	112332	49.13	ug/L	96
95) n-Propylbenzene	11.115	91	1339800	51.56	ug/L	99
96) 2-Chlorotoluene	11.182	91	812468	50.80	ug/L	97
97) 3-Chlorotoluene	11.231	91	822333	49.82	ug/L	100
98) 4-Chlorotoluene	11.274	91	948213	51.75	ug/L	99
99) 1,3,5-Trimethylbenzene	11.268	105	982944	51.51	ug/L	97
100) tert-Butylbenzene	11.542	119	799177	51.48	ug/L	98
101) 1,2,4-Trimethylbenzene	11.579	105	976604	52.76	ug/L	98
102) 3,4-Dichlorobenzotrifl...	11.646	214	230252	44.72	ug/L	98
103) sec-Butylbenzene	11.725	105	1180555	53.23	ug/L	99
104) p-Isopropyltoluene	11.847	119	1021115	54.48	ug/L	100

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5829.D
 Acq On : 17 Sep 2022 11:03 am
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Sep 17 11:52:24 2022
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 08 14:38:30 2022
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
105)	1,3-Dclbenz	11.804	146	550375	51.91	ug/L	98
106)	1,4-Dclbenz	11.877	146	555798	47.91	ug/L	97
107)	2,4-Dichlorobenzotrifl...	11.932	214	213163	46.17	ug/L	97
108)	2,5-Dichlorobenzotrifl...	11.975	214	238490	46.31	ug/L	97
109)	n-Butylbenzene	12.176	91	930191	56.55	ug/L	99
110)	1,2-Dclbenz	12.182	146	559478	50.70	ug/L	98
111)	1,2-Dibromo-3-chloropr...	12.804	157	64506	49.61	ug/L	95
112)	Trielution Dichlorotol...	12.920	125	1389047	151.04	ug/L	95
113)	1,3,5-Trichlorobenzene	12.975	180	362535	48.13	ug/L	98
114)	Coelution Dichlorotoluene	13.249	125	1022332	102.40	ug/L	98
115)	1,2,4-Tcbenzene	13.456	180	373544	53.73	ug/L	94
116)	Hexachlorobt	13.597	225	128353	54.17	ug/L	99
117)	Naphthalen	13.645	128	1074595	55.73	ug/L	99
118)	1,2,3-Tclbenzene	13.834	180	353783	52.53	ug/L	98
119)	2,4,5-Trichlorotoluene	14.420	159	211263	49.15	ug/L	96
120)	2,3,6-Trichlorotoluene	14.505	159	199267	56.72	ug/L	96

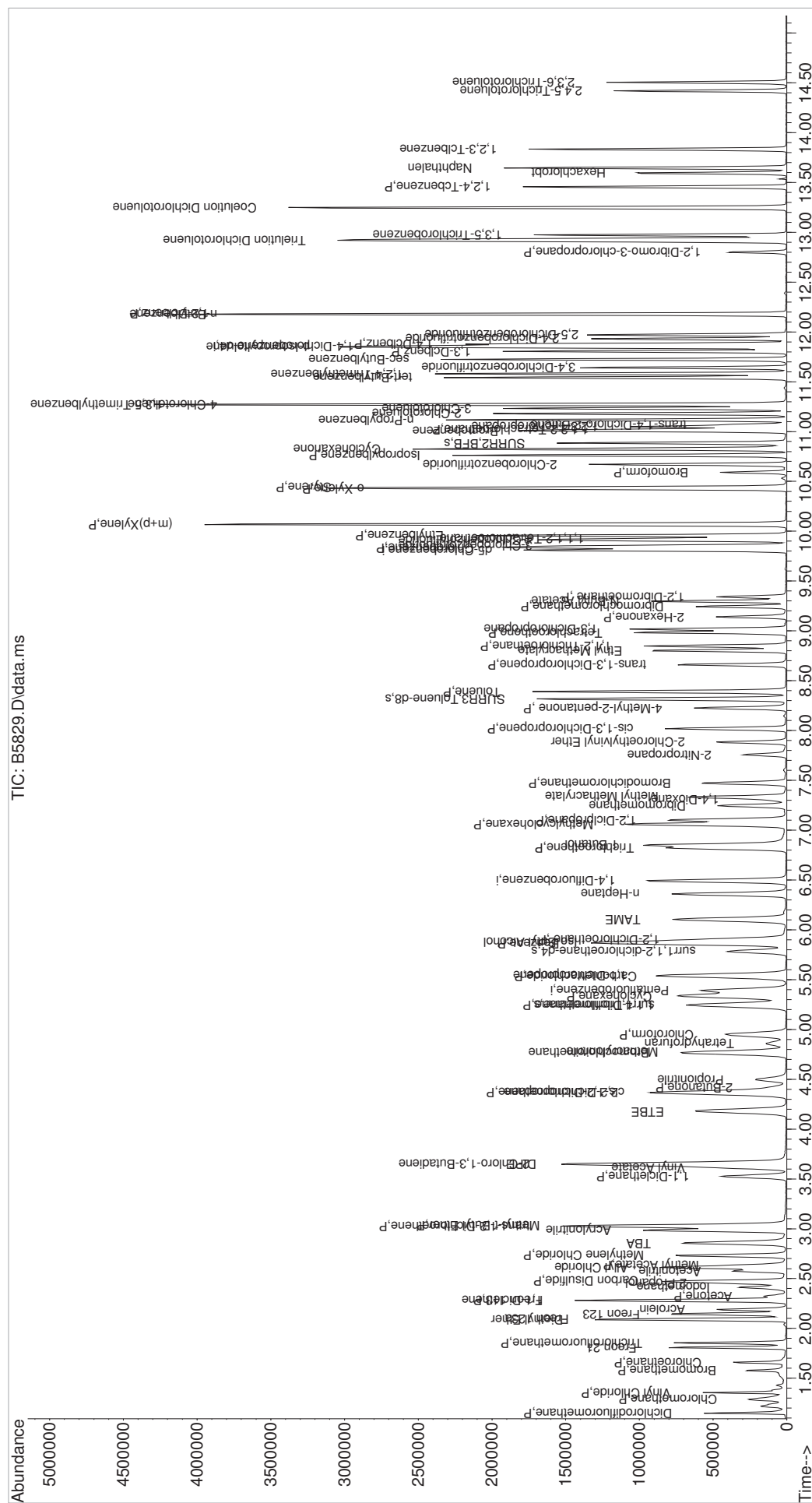
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : I:\ACQUDATA\msvoa10\data\091722\
Data File : B5829.D
Acq On : 17 Sep 2022 11:03 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1
```

Inst : MSVOA10

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 11:52:24 2022
Quant Method : I:\ACQUDATA\msvoal0\Methods\W090822.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 08 14:38:30 2022
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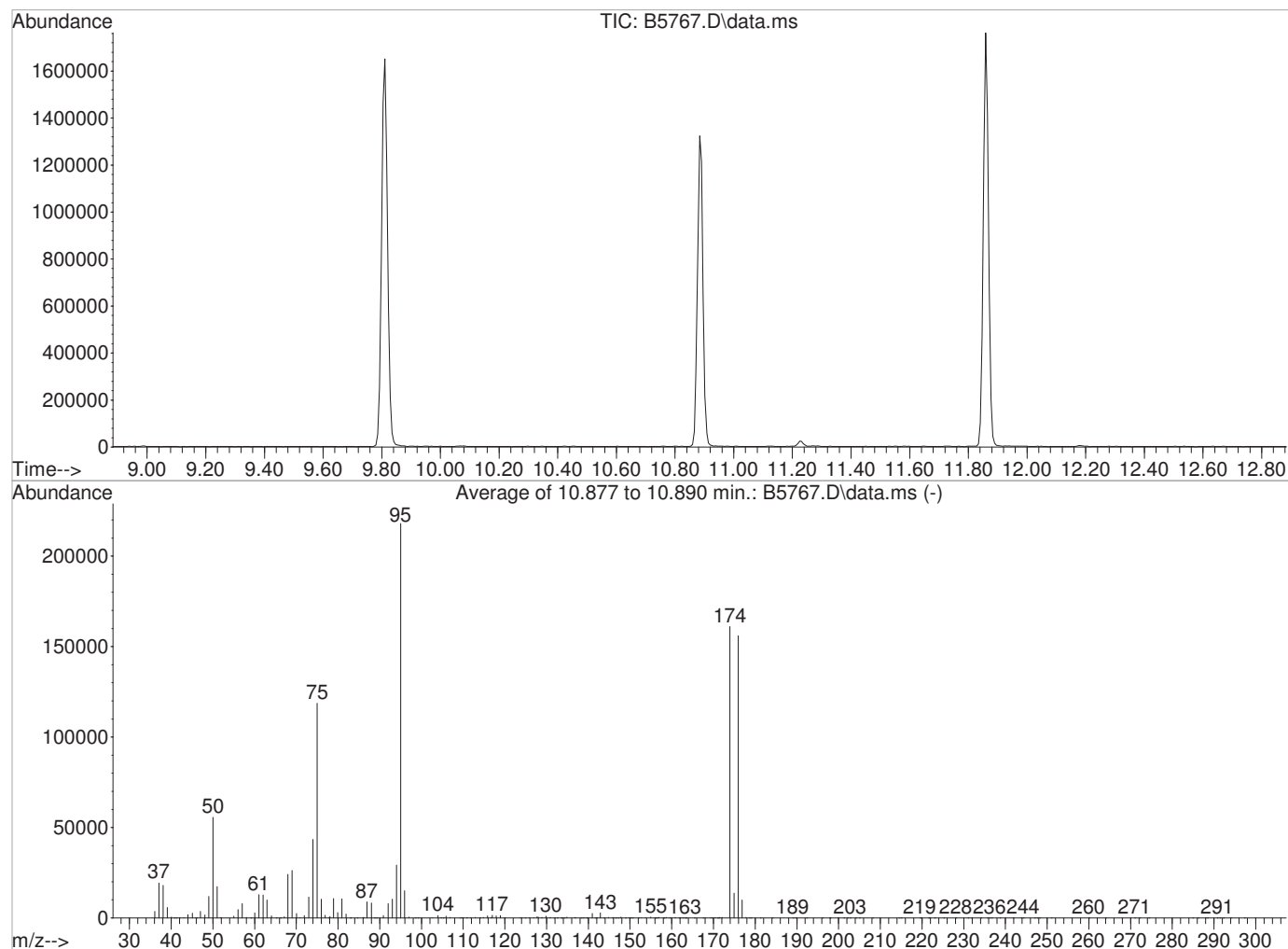


Data Path : I:\ACQUDATA\msvoa10\data\091622\
 Data File : B5767.D
 Acq On : 16 Sep 2022 9:10 am
 Operator : F.NAEGLER
 Sample : TUNE
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Title : MS#10 - 8260B WATERS 5.0mL Purge
 Last Update : Thu Sep 08 14:38:30 2022



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1595

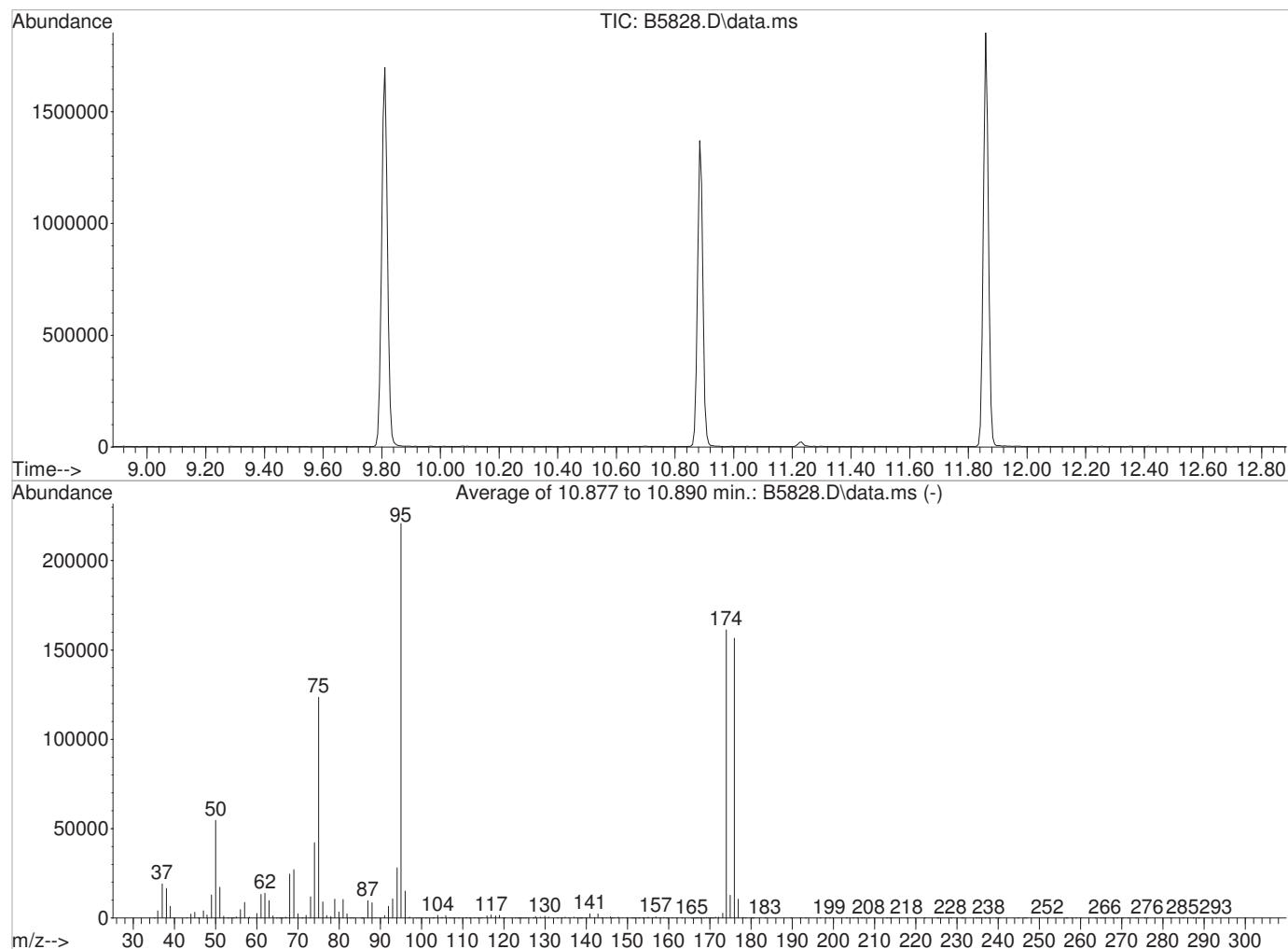
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	55707	PASS
75	95	30	60	54.4	118675	PASS
95	95	100	100	100.0	218027	PASS
96	95	5	9	6.9	15100	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	73.9	161085	PASS
175	174	5	9	8.5	13634	PASS
176	174	95	101	96.8	155928	PASS
177	176	5	9	6.3	9882	PASS

Data Path : I:\ACQUDATA\msvoa10\data\091722\
 Data File : B5828.D
 Acq On : 17 Sep 2022 10:30 am
 Operator : F.NAEGLER
 Sample : TUNE
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090822.M
 Title : MS#10 - 8260B WATERS 5.0mL Purge
 Last Update : Thu Sep 08 14:38:30 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	24.8	54656	PASS
75	95	30	60	56.0	123595	PASS
95	95	100	100	100.0	220779	PASS
96	95	5	9	6.8	15056	PASS
173	174	0.00	2	1.7	2738	PASS
174	95	50	120	73.1	161347	PASS
175	174	5	9	7.9	12720	PASS
176	174	95	101	97.0	156551	PASS
177	176	5	9	6.7	10499	PASS

ALS Group USA, Corp.
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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2200096
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2200096-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5578.D	09/08/2022 10:35
02	RC2200096-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5579.D	09/08/2022 10:56
03	RC2200096-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5580.D	09/08/2022 11:18
04	RC2200096-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5581.D	09/08/2022 11:40
05	RC2200096-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5582.D	09/08/2022 12:02
06	RC2200096-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5583.D	09/08/2022 12:24
07	RC2200096-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5584.D	09/08/2022 12:46
08	RC2200096-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5585.D	09/08/2022 13:08
09	RC2200096-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\090822\B5586.D	09/08/2022 13:29

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5885	02	1.000	0.5974	03	2.000	0.7619	04	5.000	0.6684
05	20.000	0.6675	06	50.000	0.655	07	100.000	0.7276	08	150.000	0.7513
09	200.000	0.7549									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9224	02	1.000	0.8318	03	2.000	0.981	04	5.000	0.9196
05	20.000	0.8881	06	50.000	0.8907	07	100.000	0.9295	08	150.000	0.9231
09	200.000	0.9034									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4807	02	1.000	0.4381	03	2.000	0.4588	04	5.000	0.4825
05	20.000	0.4086	06	50.000	0.407	07	100.000	0.4338	08	150.000	0.4469
09	200.000	0.4373									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.511	05	20.000	0.4267	06	50.000	0.4661	07	100.000	0.4646
08	200.000	0.4262									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3607	05	20.000	0.3078	06	50.000	0.3181	07	100.000	0.3199
08	200.000	0.2922									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2818	02	1.000	0.2959	03	2.000	0.2373	04	5.000	0.2618
05	20.000	0.2224	06	50.000	0.226	07	100.000	0.2373	08	150.000	0.2473
09	200.000	0.2535									

ALS Group USA, Corp.
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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2200096
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Toluene-d8											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.412	05	20.000	1.183	06	50.000	1.203	07	100.000	1.211
08	200.000	1.083									
Trichloroethene (TCE)											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3014	02	1.000	0.3341	03	2.000	0.3264	04	5.000	0.3071
05	20.000	0.3006	06	50.000	0.2991	07	100.000	0.3134	08	150.000	0.3122
09	200.000	0.3203									
Vinyl Chloride											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6676	02	1.000	0.6071	03	2.000	0.6884	04	5.000	0.6329
05	20.000	0.6132	06	50.000	0.6229	07	100.000	0.6286	08	150.000	0.613
09	200.000	0.6111									
cis-1,2-Dichloroethene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6387	02	1.000	0.6147	03	2.000	0.5923	04	5.000	0.5489
05	20.000	0.5283	06	50.000	0.5429	07	100.000	0.5539	08	150.000	0.5507
09	200.000	0.5585									
trans-1,2-Dichloroethene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4053	02	1.000	0.5708	03	2.000	0.5484	04	5.000	0.4941
05	20.000	0.4657	06	50.000	0.4562	07	100.000	0.4836	08	150.000	0.4915
09	200.000	0.4806									

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2200096
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	9.7	≤20	0.6858	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	4.4	≤20	0.91	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	6.1	≤20	0.4437	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.6	≤20	0.4589	
Dibromofluoromethane	SURR	Average RF	% RSD	8.0	≤20	0.3197	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	9.9	≤20	0.2515	0.200
Toluene-d8	SURR	Average RF	% RSD	9.8	≤20	1.218	
Trichloroethene (TCE)	TRG	Average RF	% RSD	3.9	≤20	0.3127	0.200
Vinyl Chloride	TRG	Average RF	% RSD	4.4	≤20	0.6316	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	6.5	≤20	0.5699	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	10.0	≤20	0.4884	0.100

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QA/QC Report

Client: Verina Consulting Group, LLC
Project: Binghamton

Service Request: R2208645
Calibration Date: 9/8/2022

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2200096
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2200096-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\090822\B5590.D	09/08/2022 14:57

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	53.6	6.858E-1	7.35E-1	7.17	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.4	9.1E-1	9.898E-1	8.78	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	54.0	4.437E-1	4.794E-1	8.04	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.3	2.515E-1	2.578E-1	2.51	±30	Average RF
Trichloroethene (TCE)	50.0	52.9	3.127E-1	3.308E-1	5.78	±30	Average RF
Vinyl Chloride	50.0	45.9	6.316E-1	5.801E-1	-8.158	±30	Average RF
cis-1,2-Dichloroethene	50.0	50.5	5.699E-1	5.756E-1	1.01	±30	Average RF
trans-1,2-Dichloroethene	50.0	50.8	4.884E-1	4.963E-1	1.61	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.2	4.589E-1	4.606E-1	0.378	±30	Average RF
Dibromofluoromethane	50.0	50.2	3.197E-1	3.209E-1	0.349	±30	Average RF
Toluene-d8	50.0	50.0	1.218E0	1.218E0	-0.028	±30	Average RF

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/16/22 09:46

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\091622\B5768.D\
Signal ID: 1

Calibration Date: 9/8/2022
Calibration ID: RC2200096
Analysis Lot: 777705
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	53.5	0.6858	0.7344	7.1	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.5	0.91	0.9738	7.0	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	52.7	0.4437	0.4679	5.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	51.2	0.2515	0.2576	2.4	NA	±20	Average RF
Trichloroethene (TCE)	50.0	52.4	0.3127	0.3274	4.7	NA	±20	Average RF
Vinyl Chloride	50.0	53.3	0.6316	0.6734	6.6	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	50.8	0.5699	0.5787	1.5	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	52.8	0.4884	0.516	5.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.5	0.4589	0.4636	1.0	NA	±20	Average RF
Dibromofluoromethane	50.0	50.7	0.3197	0.3245	1.5	NA	±20	Average RF
Toluene-d8	50.0	50.7	1.2183	1.2355	1.4	NA	±20	Average RF

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QA/QC Report

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

Service Request: R2208645
Date Analyzed: 09/17/22 11:03

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\091722\B5829.D\
Signal ID: 1

Calibration Date: 9/8/2022
Calibration ID: RC2200096
Analysis Lot: 777855
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	51.6	0.6858	0.7074	3.1	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.0	0.91	0.9644	6.0	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.7	0.4437	0.4589	3.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.7	0.2515	0.2499	-0.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	51.7	0.3127	0.3235	3.4	NA	±20	Average RF
Vinyl Chloride	50.0	51.5	0.6316	0.6501	2.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.8	0.5699	0.5675	-0.4	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	51.7	0.4884	0.5053	3.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.9	0.4589	0.4768	3.9	NA	±20	Average RF
Dibromofluoromethane	50.0	51.1	0.3197	0.327	2.3	NA	±20	Average RF
Toluene-d8	50.0	51.2	1.2183	1.2466	2.3	NA	±20	Average RF

ALS Group USA, Corp.
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QA/QC Report

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

Service Request:R2208645

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:777705
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\091622\B5767.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	09:10:00	
I:\ACQUDATA\msvoa10\data\091622\B5768.D\	Continuing Calibration Verification	RQ2211158-02	9/16/2022	09:46:00	
I:\ACQUDATA\msvoa10\data\091622\B5769.D\	Lab Control Sample	RQ2211158-03	9/16/2022	10:25:00	
I:\ACQUDATA\msvoa10\data\091622\B5771.D\	Method Blank	RQ2211158-04	9/16/2022	11:22:00	
I:\ACQUDATA\msvoa10\data\091622\B5772.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	11:55:00	
I:\ACQUDATA\msvoa10\data\091622\B5773.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	12:17:00	
I:\ACQUDATA\msvoa10\data\091622\B5774.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	12:38:00	
I:\ACQUDATA\msvoa10\data\091622\B5775.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	13:00:00	
I:\ACQUDATA\msvoa10\data\091622\B5776.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	13:22:00	
I:\ACQUDATA\msvoa10\data\091622\B5777.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	13:44:00	
I:\ACQUDATA\msvoa10\data\091622\B5778.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	14:06:00	
I:\ACQUDATA\msvoa10\data\091622\B5779.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	14:28:00	
I:\ACQUDATA\msvoa10\data\091622\B5780.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	14:49:00	
I:\ACQUDATA\msvoa10\data\091622\B5781.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	15:11:00	
I:\ACQUDATA\msvoa10\data\091622\B5782.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	15:33:00	
I:\ACQUDATA\msvoa10\data\091622\B5783.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	15:55:00	
I:\ACQUDATA\msvoa10\data\091622\B5784.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	16:16:00	
I:\ACQUDATA\msvoa10\data\091622\B5785.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	16:38:00	
I:\ACQUDATA\msvoa10\data\091622\B5786.D\	ZZZZZZZZ	ZZZZZZZZ	9/16/2022	17:00:00	
I:\ACQUDATA\msvoa10\data\091622\B5787.D\	MW11-091322	R2208645-005	9/16/2022	17:22:00	
I:\ACQUDATA\msvoa10\data\091622\B5788.D\	MW-9-091322	R2208645-007	9/16/2022	17:43:00	
I:\ACQUDATA\msvoa10\data\091622\B5789.D\	MW17-091322	R2208645-009	9/16/2022	18:05:00	
I:\ACQUDATA\msvoa10\data\091622\B5790.D\	MW16-091322	R2208645-010	9/16/2022	18:27:00	

Printed 9/27/2022 10:22:36 AM

Superset Reference:

ALS Group USA, Corp.
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QA/QC Report

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

Service Request:R2208645

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:777705
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\091622 \B5792.D\	ZZZZZZZ	ZZZZZZZ	9/16/2022	19:11:00	
I:\ACQUDATA\msvoa10\data\091622 \B5793.D\	ZZZZZZZ	ZZZZZZZ	9/16/2022	19:33:00	

ALS Group USA, Corp.
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QA/QC Report

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

Service Request:R2208645

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:777855
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\091722\B5828.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	10:30:00	
I:\ACQUDATA\msvoa10\data\091722\B5829.D\	Continuing Calibration Verification	RQ2211218-02	9/17/2022	11:03:00	
I:\ACQUDATA\msvoa10\data\091722\B5830.D\	Lab Control Sample	RQ2211218-03	9/17/2022	11:38:00	
I:\ACQUDATA\msvoa10\data\091722\B5832.D\	Method Blank	RQ2211218-04	9/17/2022	12:33:00	
I:\ACQUDATA\msvoa10\data\091722\B5833.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	13:06:00	
I:\ACQUDATA\msvoa10\data\091722\B5834.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	13:27:00	
I:\ACQUDATA\msvoa10\data\091722\B5835.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	13:49:00	
I:\ACQUDATA\msvoa10\data\091722\B5836.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	14:11:00	
I:\ACQUDATA\msvoa10\data\091722\B5837.D\	MW8-091322	R2208645-011	9/17/2022	14:33:00	
I:\ACQUDATA\msvoa10\data\091722\B5840.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	15:39:00	
I:\ACQUDATA\msvoa10\data\091722\B5841.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	16:01:00	
I:\ACQUDATA\msvoa10\data\091722\B5842.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	16:22:00	
I:\ACQUDATA\msvoa10\data\091722\B5843.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	16:44:00	
I:\ACQUDATA\msvoa10\data\091722\B5844.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	17:06:00	
I:\ACQUDATA\msvoa10\data\091722\B5845.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	17:28:00	
I:\ACQUDATA\msvoa10\data\091722\B5846.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	17:50:00	
I:\ACQUDATA\msvoa10\data\091722\B5847.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	18:11:00	
I:\ACQUDATA\msvoa10\data\091722\B5848.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	18:33:00	
I:\ACQUDATA\msvoa10\data\091722\B5849.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	18:55:00	
I:\ACQUDATA\msvoa10\data\091722\B5850.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	19:17:00	
I:\ACQUDATA\msvoa10\data\091722\B5851.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	19:39:00	
I:\ACQUDATA\msvoa10\data\091722\B5852.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	20:01:00	
I:\ACQUDATA\msvoa10\data\091722\B5853.D\	ZZZZZZZZ	ZZZZZZZZ	9/17/2022	20:22:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2208645

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:777855
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\091722\B5854.D\	ZZZZZZZ	ZZZZZZZ	9/17/2022	20:44:00	
I:\ACQUDATA\msvoa10\data\091722\B5855.D\	ZZZZZZZ	ZZZZZZZ	9/17/2022	21:06:00	

Analysis: 8260/624 Analyst: F. N. Eagle pH strips: 224921 Tune Method: W090822.M
 Date: 9/16/22 Balance ID: - ResCl strips: 123020E Run Method: ↓
 Instr: MS10 50 mL Class A used for dilution FV Syringes: 172417/218709 LIMS Run#: 777705

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
1	TUNE								85707	Y	
2	CEV								68	Y	
3	LES-UNF								69	Y	
4	MBK-UNF								70	(N)	
5	MBK-UNF								71	Y	
6	R2208714-001	250.0	1/50mc → 10/50mc	21851	1	N	N ₃	(6)	72	Y	FOAMY
7	R2208670-001	1.0		24975	1	N	N ₃	(7)	73	Y	
8	↓	1.0			1	N	N ₃	(7)	74	Y	
9	↓	1.0			1	N	N ₃	(7)	75	Y	
10	R2208671-001	1.0			1	N	N ₃	(7)	76	Y	
11	↓	1.0			1	N	N ₃	(7)	77	Y	
12	R2208672-001	1.0			1	N	N ₃	(7)	78	Y	
13	R2208673-001	1.0			1	N	N ₃	(7)	79	Y	
14	R2208686-006	1.0		19116	1	N	N ₃	(6)	80	Y	
15	↓	1.0			1	N	N ₃	(6)	81	Y	
16	R2208701-001	1.0			1	N	N ₃	(6)	82	Y	
17	↓	1.0		17490	1	N	N ₃	(6)	83	Y	
18	R2208702-001	1.0			1	N	N ₃	(6)	84	Y	
19	R2208704-002	1.0			1	N	N ₃	(5)	85	Y	
20	↓	50.0	1/50mc		1	N	N ₃	(5)	86	Y	
21	R2208645-005	1.0		7979	1	N	-	(7)	87	Y	FOAMY
22	↓	1.0			1	N	-	(7)	88	Y	
23	↓	1.0			1	N	-	(7)	89	Y	
24	↓	1.0			1	N	-	(7)	90	Y	
25	R2208686-011A5	1.0		19116	2	N	N ₃	(6)	91	(N)	Rot 1/1
26	↓	1.0			3	N	N ₃	(6)	92	Y	
27	BK	1.0							93	Y	
28	↓								94	Y	
29	↓								95	Y	
30	↓								96	Y	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged
 T16 Primary 500 : 224705 - 5 mL 50mc
 HSL Primary : 224773 -
 Fr Primary : 224906 -
 DC Primary : 223946 -
 Fr22 Primary : 224681 -
 T16 Secondary 200 : 224780 - 5 mL
 HSL Secondary : 224584 - 2u
 Fr Secondary : 224808 -
 DC Secondary : 223947 -
 Fr22 Secondary 200 : 224682 - 5u
 Combined IS/Surr :
 Surrogate 50 : 224703
 Internal Std 50 : 224704
 Reagents :
 O-1078 Page 138 of 200
 Runlog-MSVOA5 1/1/1/22

Analysis: 8260/624 Analyst: F.10/2024 pH strips: 224421 Tune Method: W040822-M
 Date: 9/17/22 Balance ID: - ResCl strips: 1230205 Run Method: ↓
 Instr: MS10 50 mL Class A used for dilution FV Syringes: 177417/248704 LIMS Run#: 717855

Data Path: j:\acq\data\msv0a5\InstID\Y(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
1	TSUNE								85828	Y	
2	CCV								24	Y	
3	LC3-UNP								30	Y	
4	MB4-UNP								31	Y	
5	MB4-UNP								32	Y	
6	R2208794-002	1.0		7979	1	N	-	(7)	33	Y	
7	↓	10.0	5/50mL	↓	1	N	-	(7)	34	Y	
8	↓	10.0		↓	1	N	-	(7)	35	Y	
9	R2208645-011	1.0		↓	2	N	-	(7)	36	Y	
10	BLK								37	Y	
11	↓								38	Y	
12	R2208791-003	1.0		1551	1	N	-	(6)	39	Y	
13	↓	1.0		↓	1	N	-	(7)	40	Y	
14	R2208704-011	1.0		20241	1	N	-	(5)	41	Y	
15	↓	1.0		↓	1	N	-	(5)	42	Y	
16	↓	1.0		↓	1	N	-	(5)	43	Y	
17	↓	1.0		↓	1	N	-	(5)	44	Y	
18	↓	1.0		↓	1	N	-	(5)	45	Y	
19	↓	1.0		↓	1	N	-	(5)	46	Y	
20	↓	1.0		↓	1	N	-	(5)	47	Y	
21	↓	1.0		↓	1	N	-	(5)	48	Y	
22	↓	1.0		↓	1	N	-	(5)	49	Y	
23	↓	1.0		↓	1	N	-	(5)	50	Y	
24	↓	1.0		↓	1	N	-	(5)	51	Y	
25	R2208791-001	2.5	10/50mL	1551	1	N	-	(7)	52	Y	
26	R2208704-001MS	1.0		20241	2	N	-	(5)	53	Y	
27	↓	1.0		↓	3	N	-	(5)	54	Y	
28	BLK								55	Y	
29	↓								56	Y	
30	↓								57	Y	

All samples = 5 mL + 5 µL combined IS/

5 mL purged

Combined IS/Surr: -

Surrogate 50: 224703

Internal Std 55: 224704

TL6 Primary 500: 224705 - 5.1/50mL
 HL6 Primary 1: 224713 -
 FL6 Primary 1: 224906 -
 DC Primary 1: 223946 -
 Primary:

TL6 Secondary 200: 224780 - 5.1
 HL6 Secondary 500: 224584 - 24
 FL6 Secondary 1: 224868 -
 DC Secondary 1: 223947 -
 Secondary:

TL6 Secondary 200: 224780 - 5.1
 HL6 Secondary 500: 224584 - 24
 FL6 Secondary 1: 224868 -
 DC Secondary 1: 223947 -
 Secondary:

TL6 Secondary 200: 224780 - 5.1
 HL6 Secondary 500: 224584 - 24
 FL6 Secondary 1: 224868 -
 DC Secondary 1: 223947 -
 Secondary:

TL6 Secondary 200: 224780 - 5.1
 HL6 Secondary 500: 224584 - 24
 FL6 Secondary 1: 224868 -
 DC Secondary 1: 223947 -
 Secondary:

TL6 Secondary 200: 224780 - 5.1
 HL6 Secondary 500: 224584 - 24
 FL6 Secondary 1: 224868 -
 DC Secondary 1: 223947 -
 Secondary:

Appendix D



ACTIVE SUB-SLAB DEPRESSURIZATION (ASD) SYSTEM INSPECTION LOG
Former Dover Electronics Site, Binghamton, NY (5101.0003)

Date	Time	System On? (Y/N)	E-1	E-2	E-3	E-4	Comments
			Vacuum Gauge Reading (inch w.c.)	Vacuum Gauge Reading (inch w.c.)	Vacuum Gauge Reading (inch w.c.)	Vacuum Gauge Reading (inch w.c.)	
1/17/2022	15:08	Y	2.25	2.13	0.88	1.25	Escorted by Joe from TeamWorld
2/7/2022	15:07	Y	2.50	1.75	1.50	1.48	Escorted by Joe from TeamWorld
3/7/2022	15:00	Y	2.25	2.00	1.00	1.50	Escorted by Joe from TeamWorld
4/11/2022	15:00	Y	2.38	2.00	1.00	1.38	Escorted by Eric from TeamWorld
5/16/2022	15:45	Y	2.13	1.75	1.00	1.63	Escorted by Eric from TeamWorld
6/13/2022	14:30	Y	2.50	1.75	1.00	1.00	
7/11/2022	16:00	Y	2.63	2.13	1.00	1.50	
8/15/2022	14:00	Y	2.75	1.88	1.00	1.50	
9/26/2022	15:20	Y	2.50	1.88	1.00	1.50	
10/18/2022	14:25	Y	1.50	2.00	1.00	0.88	Escorted by Joe from TeamWorld
11/14/2022	15:20	Y	2.50	1.75	1.25	0.88	
12/13/2022	15:30	Y	2.50	1.75	0.88	1.50	Escorted By Andy from TeamWorld

Appendix E



SOIL GAS SAMPLING LOG

Project Name: Dover-Binghamton

Project Number: 5101.0003

Date: 12/20/2022

Personnel: SJM & MKS

Weather: Overcast, dry, 20s F

Canister Type: 6 L Summa

Atmospheric Pressure (in Hg): about 26.5

Air Temperature (°F): 24 - 26

Helium Tracer Leak Test Field Data (for temporary sampling points only)

Sample Location/ Sample ID	Time	Cumulative Volume Purged (mL)	Helium Beneath Shroud-Max (% or ppm)	Helium Beneath Shroud-Min (% or ppm)	Helium in Probe Line (% or ppm)	Helium Shroud-Min to Probe Line Comparison (% or ppm)	PID Reading from Probe (ppm)	Pass or Fail?
SG-10	11:58	100	11.4%	8.7%	0 ppm	0.00%	0.00	Pass
SG-9	12:55	100	8.0%	6.70%	50 ppm	0.001%	0.00	Pass
SG-8	13:40	100	NA*	NA*	0 ppm*	NA*	0.00	Pass
SG-7	13:45	100	NA*	NA*	0 ppm*	NA*	0.00	Pass

* = Helium detector broke during charging, cold temperatures drained its battery. Therefore, a Tedlar bag was used to collect the effluent from the air sampling pump used to conduct leak test and which was directly connected to the sampling probe line within the helium shroud. The Tedlar bags were then tested in office the next day with presence of helium. Bags from both SG-8 and SG-7 had no helium detected.

Conversion: 1.0% = 10,000 ppm

Example: 8.9% x 10,000 = 89,000 ppm

There should be no more than 10% of the beneath shroud minimum He value within the sampling probe line.

Example: At 20% minimum He beneath shroud, there should be no more than 2% (20,000 ppm) He in the sampling probe line.

Sample Information

Sample Location/ Sample ID	Start Time	End Time	Canister ID	Flow Controller #	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Lab
SG-10	12:09	13:09	AS00508	OA01007	-27.5	-6.5	ALS
SG-9	13:03	14:03	AS01226	OA00084	-29	-6	ALS
SG-8	13:55	14:55	AS00744	OA00491	-30	-7	ALS
SG-7	13:57	14:57	AS01480	OA00213	-29	-5	ALS

Comments:

Appendix F



LABORATORY REPORT

January 4, 2023

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

RE: Dover Binghamton / 5101.0003

Dear Sarah:

Enclosed are the results of the samples submitted to our laboratory on December 21, 2022. For your reference, these analyses have been assigned our service request number P2205748.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

ALS | Environmental

By Sue Anderson at 2:57 pm, Jan 04, 2023

Sue Anderson
Project Manager



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

Service Request No: P2205748
NJ Certification ID: CA009

CASE NARRATIVE

The samples were received intact under chain of custody on December 21, 2022 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph/mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The minimum criteria for alpha-Pinene and d-Limonene were not met in the Continuing Calibration Verification (CCV) analyzed on January 4, 2023. In accordance with ALS Environmental standard operating procedures, a Method Reporting Limit (MRL) check standard containing the analytes of concern was analyzed each day of analysis. The MRL check standard verified that instrument sensitivity was adequate to detect the analytes at the MRL on the day of analysis. Because the sensitivity was shown to be adequate to detect the compounds in question the data quality has not been significantly affected.

The upper control criterion was exceeded for ethanol and 4-methyl-2-pentanone in the Laboratory Control Samples (LCS/DLCS) analyzed on January 3-4, 2023. The analytes in question were not detected in the associated field samples. Since the error associated with the elevated recovery equates to a high bias, the sample data has not been significantly affected. The data has been flagged accordingly. No corrective action was required.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.4 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-008
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946
Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.		

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

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

Service Request: P2205748

Date Received: 12/21/2022
Time Received: 14:56

TO-15 - VOC Cans

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	
SG-10-122022	P2205748-001	Air	12/20/2022	12:09	AS00508	-2.21	3.87	X
SG-9-122022	P2205748-002	Air	12/20/2022	13:03	AS01226	-1.66	3.83	X
SG-8-122022	P2205748-003	Air	12/20/2022	13:55	AS01480	-2.18	3.87	X
SG-7-122022	P2205748-004	Air	12/20/2022	13:57	AS00744	-1.37	4.14	X



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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: SG-10-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00508

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3/23
Volume(s) Analyzed: 0.20 Liter(s)
 0.010 Liter(s)

Initial Pressure (psig): -2.21 **Final Pressure (psig):** 3.87

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	12	3.9	2.5	0.80	
74-87-3	Chloromethane	4.0	1.6	1.9	0.76	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	4.0	ND	0.58	
75-01-4	Vinyl Chloride	14	0.82	5.5	0.32	
106-99-0	1,3-Butadiene	3.3	1.6	1.5	0.71	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	19	1.6	7.3	0.59	
64-17-5	Ethanol	ND	37	ND	20	
75-05-8	Acetonitrile	ND	7.5	ND	4.4	
107-02-8	Acrolein	ND	7.5	ND	3.3	
67-64-1	Acetone	ND	39	ND	16	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	3.9	ND	0.69	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	7.5	ND	3.0	
107-13-1	Acrylonitrile	ND	7.5	ND	3.4	
75-35-4	1,1-Dichloroethene	820	16	210	4.1	D
75-09-2	Methylene Chloride	ND	3.9	ND	1.1	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	3.9	ND	1.3	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	4.0	ND	0.53	
75-15-0	Carbon Disulfide	ND	8.2	ND	2.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.82	ND	0.21	
75-34-3	1,1-Dichloroethane	3,900	16	970	4.1	D
1634-04-4	Methyl tert-Butyl Ether	ND	3.9	ND	1.1	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: SG-10-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00508

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3/23
Volume(s) Analyzed: 0.20 Liter(s)
 0.010 Liter(s)

Initial Pressure (psig): -2.21 **Final Pressure (psig):** 3.87

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	7.5	ND	2.5	
156-59-2	cis-1,2-Dichloroethene	3.4	0.82	0.85	0.21	
110-54-3	n-Hexane	63	3.9	18	1.1	
67-66-3	Chloroform	150	0.82	31	0.17	
107-06-2	1,2-Dichloroethane	0.83	0.82	0.21	0.20	
71-55-6	1,1,1-Trichloroethane	14,000	16	2,600	3.0	D
71-43-2	Benzene	7.6	0.82	2.4	0.26	
56-23-5	Carbon Tetrachloride	0.86	0.82	0.14	0.13	
78-87-5	1,2-Dichloropropane	ND	0.82	ND	0.18	
75-27-4	Bromodichloromethane	20	0.82	3.0	0.12	
79-01-6	Trichloroethene	29	0.82	5.4	0.15	
123-91-1	1,4-Dioxane	ND	3.9	ND	1.1	
10061-01-5	cis-1,3-Dichloropropene	ND	3.9	ND	0.87	
108-10-1	4-Methyl-2-pentanone	ND	8.2	ND	2.0	
10061-02-6	trans-1,3-Dichloropropene	ND	3.8	ND	0.84	
79-00-5	1,1,2-Trichloroethane	ND	0.82	ND	0.15	
108-88-3	Toluene	130	3.9	35	1.0	
591-78-6	2-Hexanone	ND	8.2	ND	2.0	
124-48-1	Dibromochloromethane	0.95	0.82	0.11	0.096	
106-93-4	1,2-Dibromoethane	ND	0.82	ND	0.11	
123-86-4	n-Butyl Acetate	ND	8.2	ND	1.7	
127-18-4	Tetrachloroethene	770	0.82	110	0.12	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: SG-10-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00508

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3/23
Volume(s) Analyzed: 0.20 Liter(s)
 0.010 Liter(s)

Initial Pressure (psig): -2.21 **Final Pressure (psig):** 3.87

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	3.9	ND	0.84	
100-41-4	Ethylbenzene	10	3.9	2.4	0.89	
179601-23-1	m,p-Xylenes	40	8.2	9.2	1.9	
75-25-2	Bromoform	ND	3.9	ND	0.37	
100-42-5	Styrene	ND	3.9	ND	0.91	
95-47-6	o-Xylene	13	3.9	3.1	0.89	
111-84-2	n-Nonane	140	3.9	27	0.74	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.82	ND	0.12	
98-82-8	Cumene	ND	3.9	ND	0.79	
80-56-8	alpha-Pinene	17	4.0	3.1	0.72	
622-96-8	4-Ethyltoluene	ND	3.9	ND	0.80	
108-67-8	1,3,5-Trimethylbenzene	ND	3.9	ND	0.79	
95-63-6	1,2,4-Trimethylbenzene	ND	3.9	ND	0.79	
100-44-7	Benzyl Chloride	ND	8.2	ND	1.6	
541-73-1	1,3-Dichlorobenzene	ND	3.9	ND	0.64	
106-46-7	1,4-Dichlorobenzene	ND	3.9	ND	0.64	
95-50-1	1,2-Dichlorobenzene	ND	3.9	ND	0.66	
5989-27-5	d-Limonene	5.3	3.9	0.96	0.70	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.5	ND	0.77	
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	ND	1.0	
91-20-3	Naphthalene	ND	3.9	ND	0.74	
87-68-3	Hexachlorobutadiene	ND	3.9	ND	0.36	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: SG-9-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01226

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3 - 1/4/23
Volume(s) Analyzed: 1.00 Liter(s)
 0.20 Liter(s)

Initial Pressure (psig): -1.66 Final Pressure (psig): 3.83

Canister Dilution Factor: 1.42

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	3.5	0.75	0.70	0.15	
74-87-3	Chloromethane	0.63	0.30	0.31	0.14	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.77	ND	0.11	
75-01-4	Vinyl Chloride	0.22	0.16	0.086	0.061	
106-99-0	1,3-Butadiene	4.5	0.30	2.0	0.13	
74-83-9	Bromomethane	ND	0.30	ND	0.077	
75-00-3	Chloroethane	ND	0.30	ND	0.11	
64-17-5	Ethanol	ND	7.1	ND	3.8	
75-05-8	Acetonitrile	ND	1.4	ND	0.85	
107-02-8	Acrolein	ND	1.4	ND	0.62	
67-64-1	Acetone	ND	7.4	ND	3.1	
75-69-4	Trichlorofluoromethane (CFC 11)	1.3	0.74	0.23	0.13	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.4	ND	0.58	
107-13-1	Acrylonitrile	ND	1.4	ND	0.65	
75-35-4	1,1-Dichloroethene	11	0.16	2.9	0.039	
75-09-2	Methylene Chloride	ND	0.74	ND	0.21	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.75	ND	0.24	
76-13-1	Trichlorotrifluoroethane (CFC 113)	26	0.77	3.4	0.10	
75-15-0	Carbon Disulfide	4.3	1.6	1.4	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	0.16	ND	0.039	
75-34-3	1,1-Dichloroethane	25	0.16	6.2	0.039	
1634-04-4	Methyl tert-Butyl Ether	ND	0.75	ND	0.21	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: SG-9-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01226

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3 - 1/4/23
Volume(s) Analyzed: 1.00 Liter(s)
 0.20 Liter(s)

Initial Pressure (psig): -1.66 **Final Pressure (psig):** 3.83

Canister Dilution Factor: 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.4	ND	0.48	
156-59-2	cis-1,2-Dichloroethene	0.27	0.16	0.068	0.039	
110-54-3	n-Hexane	16	0.75	4.5	0.21	
67-66-3	Chloroform	4.7	0.16	0.96	0.032	
107-06-2	1,2-Dichloroethane	ND	0.16	ND	0.039	
71-55-6	1,1,1-Trichloroethane	150	0.16	27	0.029	
71-43-2	Benzene	6.2	0.16	1.9	0.049	
56-23-5	Carbon Tetrachloride	0.46	0.16	0.073	0.025	
78-87-5	1,2-Dichloropropane	ND	0.16	ND	0.034	
75-27-4	Bromodichloromethane	ND	0.16	ND	0.023	
79-01-6	Trichloroethene	150	0.78	28	0.15	D
123-91-1	1,4-Dioxane	ND	0.74	ND	0.20	
10061-01-5	cis-1,3-Dichloropropene	ND	0.75	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	0.72	ND	0.16	
79-00-5	1,1,2-Trichloroethane	ND	0.16	ND	0.029	
108-88-3	Toluene	12	0.74	3.3	0.20	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	
124-48-1	Dibromochloromethane	ND	0.16	ND	0.018	
106-93-4	1,2-Dibromoethane	ND	0.16	ND	0.020	
123-86-4	n-Butyl Acetate	ND	1.6	ND	0.33	
127-18-4	Tetrachloroethene	34	0.16	5.1	0.023	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: SG-9-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01226

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3 - 1/4/23
Volume(s) Analyzed: 1.00 Liter(s)
 0.20 Liter(s)

Initial Pressure (psig): -1.66 **Final Pressure (psig):** 3.83

Canister Dilution Factor: 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.74	ND	0.16	
100-41-4	Ethylbenzene	2.3	0.74	0.54	0.17	
179601-23-1	m,p-Xylenes	5.0	1.6	1.2	0.36	
75-25-2	Bromoform	ND	0.74	ND	0.071	
100-42-5	Styrene	ND	0.74	ND	0.17	
95-47-6	o-Xylene	1.9	0.74	0.43	0.17	
111-84-2	n-Nonane	36	0.74	6.9	0.14	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.16	ND	0.023	
98-82-8	Cumene	ND	0.74	ND	0.15	
80-56-8	alpha-Pinene	6.6	0.77	1.2	0.14	
622-96-8	4-Ethyltoluene	ND	0.75	ND	0.15	
108-67-8	1,3,5-Trimethylbenzene	1.1	0.74	0.22	0.15	
95-63-6	1,2,4-Trimethylbenzene	2.0	0.74	0.41	0.15	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.30	
541-73-1	1,3-Dichlorobenzene	ND	0.74	ND	0.12	
106-46-7	1,4-Dichlorobenzene	ND	0.74	ND	0.12	
95-50-1	1,2-Dichlorobenzene	ND	0.75	ND	0.13	
5989-27-5	d-Limonene	2.1	0.74	0.38	0.13	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.4	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.4	ND	0.19	
91-20-3	Naphthalene	ND	0.74	ND	0.14	
87-68-3	Hexachlorobutadiene	ND	0.74	ND	0.069	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: SG-8-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01480

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -2.18 **Final Pressure (psig):** 3.87

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	3.1	0.78	0.64	0.16	
74-87-3	Chloromethane	ND	0.31	ND	0.15	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.80	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.16	ND	0.064	
106-99-0	1,3-Butadiene	4.6	0.31	2.1	0.14	
74-83-9	Bromomethane	ND	0.31	ND	0.080	
75-00-3	Chloroethane	ND	0.31	ND	0.12	
64-17-5	Ethanol	ND	7.4	ND	3.9	
75-05-8	Acetonitrile	ND	1.5	ND	0.88	
107-02-8	Acrolein	ND	1.5	ND	0.65	
67-64-1	Acetone	7.9	7.7	3.3	3.2	
75-69-4	Trichlorofluoromethane (CFC 11)	1.3	0.77	0.24	0.14	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.5	ND	0.60	
107-13-1	Acrylonitrile	ND	1.5	ND	0.68	
75-35-4	1,1-Dichloroethene	2.0	0.16	0.50	0.041	
75-09-2	Methylene Chloride	ND	0.77	ND	0.22	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.78	ND	0.25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.80	ND	0.10	
75-15-0	Carbon Disulfide	4.3	1.6	1.4	0.52	
156-60-5	trans-1,2-Dichloroethene	ND	0.16	ND	0.041	
75-34-3	1,1-Dichloroethane	0.64	0.16	0.16	0.040	
1634-04-4	Methyl tert-Butyl Ether	ND	0.78	ND	0.22	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: SG-8-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01480

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -2.18 **Final Pressure (psig):** 3.87

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	0.16	ND	0.041	
110-54-3	n-Hexane	10	0.78	3.0	0.22	
67-66-3	Chloroform	5.3	0.16	1.1	0.033	
107-06-2	1,2-Dichloroethane	ND	0.16	ND	0.040	
71-55-6	1,1,1-Trichloroethane	16	0.16	2.9	0.030	
71-43-2	Benzene	5.5	0.16	1.7	0.051	
56-23-5	Carbon Tetrachloride	0.40	0.16	0.063	0.026	
78-87-5	1,2-Dichloropropane	ND	0.16	ND	0.035	
75-27-4	Bromodichloromethane	ND	0.16	ND	0.024	
79-01-6	Trichloroethene	1.3	0.16	0.25	0.030	
123-91-1	1,4-Dioxane	ND	0.77	ND	0.21	
10061-01-5	cis-1,3-Dichloropropene	ND	0.78	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.16	ND	0.030	
108-88-3	Toluene	7.8	0.77	2.1	0.20	
591-78-6	2-Hexanone	ND	1.6	ND	0.40	
124-48-1	Dibromochloromethane	ND	0.16	ND	0.019	
106-93-4	1,2-Dibromoethane	ND	0.16	ND	0.021	
123-86-4	n-Butyl Acetate	ND	1.6	ND	0.34	
127-18-4	Tetrachloroethene	1.9	0.16	0.27	0.024	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: SG-8-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01480

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -2.18 **Final Pressure (psig):** 3.87

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.77	ND	0.17	
100-41-4	Ethylbenzene	3.3	0.77	0.76	0.18	
179601-23-1	m,p-Xylenes	6.5	1.6	1.5	0.37	
75-25-2	Bromoform	ND	0.77	ND	0.074	
100-42-5	Styrene	ND	0.77	ND	0.18	
95-47-6	o-Xylene	2.5	0.77	0.58	0.18	
111-84-2	n-Nonane	20	0.77	3.9	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.16	ND	0.024	
98-82-8	Cumene	ND	0.77	ND	0.16	
80-56-8	alpha-Pinene	9.4	0.80	1.7	0.14	
622-96-8	4-Ethyltoluene	1.6	0.78	0.33	0.16	
108-67-8	1,3,5-Trimethylbenzene	2.2	0.77	0.45	0.16	
95-63-6	1,2,4-Trimethylbenzene	5.7	0.77	1.2	0.16	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.31	
541-73-1	1,3-Dichlorobenzene	ND	0.77	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.77	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.78	ND	0.13	
5989-27-5	d-Limonene	4.3	0.77	0.76	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	ND	0.20	
91-20-3	Naphthalene	ND	0.77	ND	0.15	
87-68-3	Hexachlorobutadiene	ND	0.77	ND	0.072	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: SG-7-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00744

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3 - 1/4/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.37 **Final Pressure (psig):** 4.14

Canister Dilution Factor: 1.41

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	3.1	0.75	0.62	0.15	
74-87-3	Chloromethane	0.65	0.30	0.31	0.14	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.76	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.16	ND	0.061	
106-99-0	1,3-Butadiene	39	0.30	18	0.13	
74-83-9	Bromomethane	ND	0.30	ND	0.076	
75-00-3	Chloroethane	ND	0.30	ND	0.11	
64-17-5	Ethanol	ND	7.1	ND	3.7	
75-05-8	Acetonitrile	ND	1.4	ND	0.84	
107-02-8	Acrolein	ND	1.4	ND	0.62	
67-64-1	Acetone	7.7	7.3	3.3	3.1	
75-69-4	Trichlorofluoromethane (CFC 11)	1.3	0.73	0.22	0.13	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.4	ND	0.57	
107-13-1	Acrylonitrile	ND	1.4	ND	0.65	
75-35-4	1,1-Dichloroethene	ND	0.16	ND	0.039	
75-09-2	Methylene Chloride	ND	0.73	ND	0.21	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.75	ND	0.24	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.76	ND	0.099	
75-15-0	Carbon Disulfide	5.2	1.6	1.7	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	0.16	ND	0.039	
75-34-3	1,1-Dichloroethane	ND	0.16	ND	0.038	
1634-04-4	Methyl tert-Butyl Ether	ND	0.75	ND	0.21	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: SG-7-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00744

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3 - 1/4/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.37 **Final Pressure (psig):** 4.14

Canister Dilution Factor: 1.41

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	1.9	1.4	0.63	0.48	
156-59-2	cis-1,2-Dichloroethene	ND	0.16	ND	0.039	
110-54-3	n-Hexane	57	0.75	16	0.21	
67-66-3	Chloroform	ND	0.16	ND	0.032	
107-06-2	1,2-Dichloroethane	ND	0.16	ND	0.038	
71-55-6	1,1,1-Trichloroethane	0.29	0.16	0.054	0.028	
71-43-2	Benzene	8.2	0.16	2.6	0.049	
56-23-5	Carbon Tetrachloride	0.28	0.16	0.045	0.025	
78-87-5	1,2-Dichloropropane	ND	0.16	ND	0.034	
75-27-4	Bromodichloromethane	ND	0.16	ND	0.023	
79-01-6	Trichloroethene	ND	0.16	ND	0.029	
123-91-1	1,4-Dioxane	ND	0.73	ND	0.20	
10061-01-5	cis-1,3-Dichloropropene	ND	0.75	ND	0.16	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	0.72	ND	0.16	
79-00-5	1,1,2-Trichloroethane	ND	0.16	ND	0.028	
108-88-3	Toluene	3.8	0.73	1.0	0.19	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	
124-48-1	Dibromochloromethane	ND	0.16	ND	0.018	
106-93-4	1,2-Dibromoethane	ND	0.16	ND	0.020	
123-86-4	n-Butyl Acetate	ND	1.6	ND	0.33	
127-18-4	Tetrachloroethene	ND	0.16	ND	0.023	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: SG-7-122022
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P2205748-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00744

Date Collected: 12/20/22
Date Received: 12/21/22
Date Analyzed: 1/3 - 1/4/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.37 **Final Pressure (psig):** 4.14

Canister Dilution Factor: 1.41

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.73	ND	0.16	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	
179601-23-1	m,p-Xylenes	ND	1.6	ND	0.36	
75-25-2	Bromoform	ND	0.73	ND	0.071	
100-42-5	Styrene	ND	0.73	ND	0.17	
95-47-6	o-Xylene	ND	0.73	ND	0.17	
111-84-2	n-Nonane	2.9	0.73	0.55	0.14	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.16	ND	0.023	
98-82-8	Cumene	ND	0.73	ND	0.15	
80-56-8	alpha-Pinene	ND	0.76	ND	0.14	
622-96-8	4-Ethyltoluene	ND	0.75	ND	0.15	
108-67-8	1,3,5-Trimethylbenzene	ND	0.73	ND	0.15	
95-63-6	1,2,4-Trimethylbenzene	ND	0.73	ND	0.15	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.30	
541-73-1	1,3-Dichlorobenzene	ND	0.73	ND	0.12	
106-46-7	1,4-Dichlorobenzene	ND	0.73	ND	0.12	
95-50-1	1,2-Dichlorobenzene	ND	0.75	ND	0.12	
5989-27-5	d-Limonene	ND	0.73	ND	0.13	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.4	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.4	ND	0.19	
91-20-3	Naphthalene	ND	0.73	ND	0.14	
87-68-3	Hexachlorobutadiene	ND	0.73	ND	0.069	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Verina Consulting Group, LLC

Client Sample ID: Method Blank

Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748

ALS Sample ID: P230103-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Wida Ang

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/3/23

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.53	ND	0.11	
74-87-3	Chloromethane	ND	0.21	ND	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.54	ND	0.077	
75-01-4	Vinyl Chloride	ND	0.11	ND	0.043	
106-99-0	1,3-Butadiene	ND	0.21	ND	0.095	
74-83-9	Bromomethane	ND	0.21	ND	0.054	
75-00-3	Chloroethane	ND	0.21	ND	0.080	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	1.0	ND	0.60	
107-02-8	Acrolein	ND	1.0	ND	0.44	
67-64-1	Acetone	ND	5.2	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.52	ND	0.093	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
107-13-1	Acrylonitrile	ND	1.0	ND	0.46	
75-35-4	1,1-Dichloroethene	ND	0.11	ND	0.028	
75-09-2	Methylene Chloride	ND	0.52	ND	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.53	ND	0.17	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.54	ND	0.070	
75-15-0	Carbon Disulfide	ND	1.1	ND	0.35	
156-60-5	trans-1,2-Dichloroethene	ND	0.11	ND	0.028	
75-34-3	1,1-Dichloroethane	ND	0.11	ND	0.027	
1634-04-4	Methyl tert-Butyl Ether	ND	0.53	ND	0.15	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Verina Consulting Group, LLC

Client Sample ID: Method Blank

Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748

ALS Sample ID: P230103-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Wida Ang

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/3/23

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	0.11	ND	0.028	
110-54-3	n-Hexane	ND	0.53	ND	0.15	
67-66-3	Chloroform	ND	0.11	ND	0.023	
107-06-2	1,2-Dichloroethane	ND	0.11	ND	0.027	
71-55-6	1,1,1-Trichloroethane	ND	0.11	ND	0.020	
71-43-2	Benzene	ND	0.11	ND	0.034	
56-23-5	Carbon Tetrachloride	ND	0.11	ND	0.017	
78-87-5	1,2-Dichloropropane	ND	0.11	ND	0.024	
75-27-4	Bromodichloromethane	ND	0.11	ND	0.016	
79-01-6	Trichloroethene	ND	0.11	ND	0.020	
123-91-1	1,4-Dioxane	ND	0.52	ND	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	ND	0.12	
108-10-1	4-Methyl-2-pentanone	ND	1.1	ND	0.27	
10061-02-6	trans-1,3-Dichloropropene	ND	0.51	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.11	ND	0.020	
108-88-3	Toluene	ND	0.52	ND	0.14	
591-78-6	2-Hexanone	ND	1.1	ND	0.27	
124-48-1	Dibromochloromethane	ND	0.11	ND	0.013	
106-93-4	1,2-Dibromoethane	ND	0.11	ND	0.014	
123-86-4	n-Butyl Acetate	ND	1.1	ND	0.23	
127-18-4	Tetrachloroethene	ND	0.11	ND	0.016	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: Method Blank
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230103-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/3/23
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.52	ND	0.11	
100-41-4	Ethylbenzene	ND	0.52	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.1	ND	0.25	
75-25-2	Bromoform	ND	0.52	ND	0.050	
100-42-5	Styrene	ND	0.52	ND	0.12	
95-47-6	o-Xylene	ND	0.52	ND	0.12	
111-84-2	n-Nonane	ND	0.52	ND	0.099	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.11	ND	0.016	
98-82-8	Cumene	ND	0.52	ND	0.11	
80-56-8	alpha-Pinene	ND	0.54	ND	0.097	
622-96-8	4-Ethyltoluene	ND	0.53	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.52	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.52	ND	0.11	
100-44-7	Benzyl Chloride	ND	1.1	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	0.52	ND	0.087	
106-46-7	1,4-Dichlorobenzene	ND	0.52	ND	0.087	
95-50-1	1,2-Dichlorobenzene	ND	0.53	ND	0.088	
5989-27-5	d-Limonene	ND	0.52	ND	0.093	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ND	0.13	
91-20-3	Naphthalene	ND	0.52	ND	0.099	
87-68-3	Hexachlorobutadiene	ND	0.52	ND	0.049	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Verina Consulting Group, LLC

Client Sample ID: Method Blank

Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748

ALS Sample ID: P230104-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Wida Ang

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/4/23

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.53	ND	0.11	
74-87-3	Chloromethane	ND	0.21	ND	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.54	ND	0.077	
75-01-4	Vinyl Chloride	ND	0.11	ND	0.043	
106-99-0	1,3-Butadiene	ND	0.21	ND	0.095	
74-83-9	Bromomethane	ND	0.21	ND	0.054	
75-00-3	Chloroethane	ND	0.21	ND	0.080	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	1.0	ND	0.60	
107-02-8	Acrolein	ND	1.0	ND	0.44	
67-64-1	Acetone	ND	5.2	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.52	ND	0.093	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
107-13-1	Acrylonitrile	ND	1.0	ND	0.46	
75-35-4	1,1-Dichloroethene	ND	0.11	ND	0.028	
75-09-2	Methylene Chloride	ND	0.52	ND	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.53	ND	0.17	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.54	ND	0.070	
75-15-0	Carbon Disulfide	ND	1.1	ND	0.35	
156-60-5	trans-1,2-Dichloroethene	ND	0.11	ND	0.028	
75-34-3	1,1-Dichloroethane	ND	0.11	ND	0.027	
1634-04-4	Methyl tert-Butyl Ether	ND	0.53	ND	0.15	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC

Client Sample ID: Method Blank

Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748

ALS Sample ID: P230104-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Wida Ang

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/4/23

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	0.11	ND	0.028	
110-54-3	n-Hexane	ND	0.53	ND	0.15	
67-66-3	Chloroform	ND	0.11	ND	0.023	
107-06-2	1,2-Dichloroethane	ND	0.11	ND	0.027	
71-55-6	1,1,1-Trichloroethane	ND	0.11	ND	0.020	
71-43-2	Benzene	ND	0.11	ND	0.034	
56-23-5	Carbon Tetrachloride	ND	0.11	ND	0.017	
78-87-5	1,2-Dichloropropane	ND	0.11	ND	0.024	
75-27-4	Bromodichloromethane	ND	0.11	ND	0.016	
79-01-6	Trichloroethene	ND	0.11	ND	0.020	
123-91-1	1,4-Dioxane	ND	0.52	ND	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	ND	0.12	
108-10-1	4-Methyl-2-pentanone	ND	1.1	ND	0.27	
10061-02-6	trans-1,3-Dichloropropene	ND	0.51	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.11	ND	0.020	
108-88-3	Toluene	ND	0.52	ND	0.14	
591-78-6	2-Hexanone	ND	1.1	ND	0.27	
124-48-1	Dibromochloromethane	ND	0.11	ND	0.013	
106-93-4	1,2-Dibromoethane	ND	0.11	ND	0.014	
123-86-4	n-Butyl Acetate	ND	1.1	ND	0.23	
127-18-4	Tetrachloroethene	ND	0.11	ND	0.016	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Verina Consulting Group, LLC
Client Sample ID: Method Blank
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230104-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/4/23
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.52	ND	0.11	
100-41-4	Ethylbenzene	ND	0.52	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.1	ND	0.25	
75-25-2	Bromoform	ND	0.52	ND	0.050	
100-42-5	Styrene	ND	0.52	ND	0.12	
95-47-6	o-Xylene	ND	0.52	ND	0.12	
111-84-2	n-Nonane	ND	0.52	ND	0.099	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.11	ND	0.016	
98-82-8	Cumene	ND	0.52	ND	0.11	
80-56-8	alpha-Pinene	ND	0.54	ND	0.097	V
622-96-8	4-Ethyltoluene	ND	0.53	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.52	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.52	ND	0.11	
100-44-7	Benzyl Chloride	ND	1.1	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	0.52	ND	0.087	
106-46-7	1,4-Dichlorobenzene	ND	0.52	ND	0.087	
95-50-1	1,2-Dichlorobenzene	ND	0.53	ND	0.088	
5989-27-5	d-Limonene	ND	0.52	ND	0.093	V
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ND	0.13	
91-20-3	Naphthalene	ND	0.52	ND	0.099	
87-68-3	Hexachlorobutadiene	ND	0.52	ND	0.049	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

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

ALS Project ID: P2205748

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister(s)
Test Notes:

Date(s) Collected: 12/20/22
Date(s) Received: 12/21/22
Date(s) Analyzed: 1/3 - 1/4/23

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P230103-MB	107	94	84	70-130	
Method Blank	P230104-MB	108	92	84	70-130	
Lab Control Sample	P230103-LCS	107	91	89	70-130	
Lab Control Sample	P230104-LCS	105	92	92	70-130	
Duplicate Lab Control Sample	P230103-DLCS	107	89	91	70-130	
Duplicate Lab Control Sample	P230104-DLCS	105	93	93	70-130	
SG-10-122022	P2205748-001	107	87	88	70-130	
SG-9-122022	P2205748-002	106	90	88	70-130	
SG-8-122022	P2205748-003	107	91	89	70-130	
SG-7-122022	P2205748-004	101	94	90	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230103-DLCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/3/23
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount	Result		% Recovery		ALS	RPD	RPD	Data
		LCS / DLCS µg/m³	LCS µg/m³	DLCS µg/m³	LCS	DLCS	Acceptance Limits			
75-71-8	Dichlorodifluoromethane (CFC 12)	212	210	214	99	101	71-112	2	25	
74-87-3	Chloromethane	206	233	219	113	106	53-126	6	25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	202	204	98	99	62-121	1	25	
75-01-4	Vinyl Chloride	204	223	228	109	112	63-123	3	25	
106-99-0	1,3-Butadiene	212	254	259	120	122	63-135	2	25	
74-83-9	Bromomethane	206	218	221	106	107	71-112	0.9	25	
75-00-3	Chloroethane	208	222	225	107	108	66-117	0.9	25	
64-17-5	Ethanol	706	882	903	125	128	57-117	2	25	L
75-05-8	Acetonitrile	182	192	196	105	108	59-131	3	25	
107-02-8	Acrolein	388	417	426	107	110	71-123	3	25	
67-64-1	Acetone	1,060	1120	1140	106	108	60-117	2	25	
75-69-4	Trichlorofluoromethane (CFC 11)	210	209	213	100	101	71-114	1	25	
67-63-0	2-Propanol (Isopropyl Alcohol)	412	445	431	108	105	61-124	3	25	
107-13-1	Acrylonitrile	412	455	464	110	113	65-130	3	25	
75-35-4	1,1-Dichloroethene	216	215	217	100	100	74-114	0	25	
75-09-2	Methylene Chloride	212	213	217	100	102	75-112	2	25	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	236	240	110	112	57-127	2	25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	209	211	97	98	73-114	1	25	
75-15-0	Carbon Disulfide	426	436	440	102	103	70-113	1	25	
156-60-5	trans-1,2-Dichloroethene	216	232	238	107	110	76-119	3	25	
75-34-3	1,1-Dichloroethane	216	228	232	106	107	70-114	0.9	25	
1634-04-4	Methyl tert-Butyl Ether	214	230	224	107	105	72-118	2	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
 L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230103-DLCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/3/23
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount	Result		% Recovery		ALS	RPD	RPD	Data
		LCS / DLCS µg/m ³	LCS µg/m ³	DLCS µg/m ³	LCS	DLCS	Acceptance Limits			
78-93-3	2-Butanone (MEK)	418	486	494	116	118	74-121	2	25	
156-59-2	cis-1,2-Dichloroethene	214	226	229	106	107	73-117	0.9	25	
110-54-3	n-Hexane	212	246	252	116	119	55-130	3	25	
67-66-3	Chloroform	212	223	227	105	107	71-114	2	25	
107-06-2	1,2-Dichloroethane	216	230	233	106	108	71-119	2	25	
71-55-6	1,1,1-Trichloroethane	210	211	212	100	101	73-119	1	25	
71-43-2	Benzene	216	221	224	102	104	72-113	2	25	
56-23-5	Carbon Tetrachloride	206	201	202	98	98	67-123	0	25	
78-87-5	1,2-Dichloropropane	212	225	228	106	108	70-118	2	25	
75-27-4	Bromodichloromethane	216	224	228	104	106	74-119	2	25	
79-01-6	Trichloroethene	212	217	218	102	103	74-115	1	25	
123-91-1	1,4-Dioxane	212	238	241	112	114	77-124	2	25	
10061-01-5	cis-1,3-Dichloropropene	216	246	248	114	115	81-126	0.9	25	
108-10-1	4-Methyl-2-pentanone	432	566	571	131	132	73-129	0.8	25	L
10061-02-6	trans-1,3-Dichloropropene	206	210	214	102	104	80-127	2	25	
79-00-5	1,1,2-Trichloroethane	212	219	221	103	104	78-117	1	25	
108-88-3	Toluene	212	192	191	91	90	70-118	1	25	
591-78-6	2-Hexanone	426	541	538	127	126	74-132	0.8	25	
124-48-1	Dibromochloromethane	216	202	200	94	93	69-137	1	25	
106-93-4	1,2-Dibromoethane	208	196	196	94	94	76-128	0	25	
123-86-4	n-Butyl Acetate	410	515	512	126	125	75-134	0.8	25	
127-18-4	Tetrachloroethene	212	193	192	91	91	63-130	0	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
 L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230103-DLCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/3/23
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount	Result		% Recovery		ALS	RPD	RPD	Data
		LCS / DLCS µg/m³	LCS µg/m³	DLCS µg/m³	LCS	DLCS	Acceptance Limits			
108-90-7	Chlorobenzene	212	192	191	91	90	70-118	1	25	
100-41-4	Ethylbenzene	210	199	198	95	94	71-123	1	25	
179601-23-1	m,p-Xylenes	420	398	395	95	94	67-127	1	25	
75-25-2	Bromoform	214	193	195	90	91	65-149	1	25	
100-42-5	Styrene	212	205	205	97	97	76-132	0	25	
95-47-6	o-Xylene	212	208	207	98	98	69-124	0	25	
111-84-2	n-Nonane	212	234	235	110	111	64-127	0.9	25	
79-34-5	1,1,2,2-Tetrachloroethane	212	215	217	101	102	69-128	1	25	
98-82-8	Cumene	212	207	207	98	98	69-125	0	25	
80-56-8	alpha-Pinene	218	229	210	105	96	68-129	9	25	
622-96-8	4-Ethyltoluene	216	218	218	101	101	69-127	0	25	
108-67-8	1,3,5-Trimethylbenzene	210	203	202	97	96	66-129	1	25	
95-63-6	1,2,4-Trimethylbenzene	208	225	226	108	109	63-142	0.9	25	
100-44-7	Benzyl Chloride	420	390	400	93	95	73-145	2	25	
541-73-1	1,3-Dichlorobenzene	210	208	208	99	99	67-136	0	25	
106-46-7	1,4-Dichlorobenzene	212	189	190	89	90	63-134	1	25	
95-50-1	1,2-Dichlorobenzene	212	212	213	100	100	64-139	0	25	
5989-27-5	d-Limonene	210	257	252	122	120	63-137	2	25	
96-12-8	1,2-Dibromo-3-chloropropane	416	419	423	101	102	72-145	1	25	
120-82-1	1,2,4-Trichlorobenzene	412	377	379	92	92	62-154	0	25	
91-20-3	Naphthalene	216	160	161	74	75	62-156	1	25	
87-68-3	Hexachlorobutadiene	210	186	186	89	89	55-142	0	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230104-DLCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/4/23
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount	Result		% Recovery		ALS	RPD	RPD	Data
		LCS / DLCS µg/m³	LCS µg/m³	DLCS µg/m³	LCS	DLCS	Acceptance Limits			
75-71-8	Dichlorodifluoromethane (CFC 12)	212	211	207	100	98	71-112	2	25	
74-87-3	Chloromethane	206	229	226	111	110	53-126	0.9	25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	207	207	100	100	62-121	0	25	
75-01-4	Vinyl Chloride	204	224	220	110	108	63-123	2	25	
106-99-0	1,3-Butadiene	212	252	247	119	117	63-135	2	25	
74-83-9	Bromomethane	206	220	219	107	106	71-112	0.9	25	
75-00-3	Chloroethane	208	219	222	105	107	66-117	2	25	
64-17-5	Ethanol	706	837	845	119	120	57-117	0.8	25	L
75-05-8	Acetonitrile	182	184	183	101	101	59-131	0	25	
107-02-8	Acrolein	388	420	418	108	108	71-123	0	25	
67-64-1	Acetone	1,060	1110	1080	105	102	60-117	3	25	
75-69-4	Trichlorofluoromethane (CFC 11)	210	207	208	99	99	71-114	0	25	
67-63-0	2-Propanol (Isopropyl Alcohol)	412	446	443	108	108	61-124	0	25	
107-13-1	Acrylonitrile	412	445	438	108	106	65-130	2	25	
75-35-4	1,1-Dichloroethene	216	214	215	99	100	74-114	1	25	
75-09-2	Methylene Chloride	212	212	211	100	100	75-112	0	25	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	227	224	106	105	57-127	0.9	25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	213	211	99	98	73-114	1	25	
75-15-0	Carbon Disulfide	426	426	425	100	100	70-113	0	25	
156-60-5	trans-1,2-Dichloroethene	216	233	229	108	106	76-119	2	25	
75-34-3	1,1-Dichloroethane	216	227	224	105	104	70-114	1	25	
1634-04-4	Methyl tert-Butyl Ether	214	239	235	112	110	72-118	2	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
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 L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230104-DLCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/4/23
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount	Result		% Recovery		ALS	RPD	RPD	Data
		LCS / DLCS µg/m ³	LCS µg/m ³	DLCS µg/m ³	LCS	DLCS	Acceptance Limits			
78-93-3	2-Butanone (MEK)	418	491	486	117	116	74-121	0.9	25	
156-59-2	cis-1,2-Dichloroethene	214	224	221	105	103	73-117	2	25	
110-54-3	n-Hexane	212	239	233	113	110	55-130	3	25	
67-66-3	Chloroform	212	221	218	104	103	71-114	1	25	
107-06-2	1,2-Dichloroethane	216	227	225	105	104	71-119	1	25	
71-55-6	1,1,1-Trichloroethane	210	213	209	101	100	73-119	1	25	
71-43-2	Benzene	216	221	216	102	100	72-113	2	25	
56-23-5	Carbon Tetrachloride	206	205	199	100	97	67-123	3	25	
78-87-5	1,2-Dichloropropane	212	223	220	105	104	70-118	1	25	
75-27-4	Bromodichloromethane	216	226	221	105	102	74-119	3	25	
79-01-6	Trichloroethene	212	220	216	104	102	74-115	2	25	
123-91-1	1,4-Dioxane	212	241	235	114	111	77-124	3	25	
10061-01-5	cis-1,3-Dichloropropene	216	250	246	116	114	81-126	2	25	
108-10-1	4-Methyl-2-pentanone	432	562	547	130	127	73-129	2	25	L
10061-02-6	trans-1,3-Dichloropropene	206	223	219	108	106	80-127	2	25	
79-00-5	1,1,2-Trichloroethane	212	220	215	104	101	78-117	3	25	
108-88-3	Toluene	212	194	194	92	92	70-118	0	25	
591-78-6	2-Hexanone	426	541	535	127	126	74-132	0.8	25	
124-48-1	Dibromochloromethane	216	206	204	95	94	69-137	1	25	
106-93-4	1,2-Dibromoethane	208	206	204	99	98	76-128	1	25	
123-86-4	n-Butyl Acetate	410	528	521	129	127	75-134	2	25	
127-18-4	Tetrachloroethene	212	199	197	94	93	63-130	1	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
 L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Verina Consulting Group, LLC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Dover Binghamton / 5101.0003

ALS Project ID: P2205748
 ALS Sample ID: P230104-DLCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 1/4/23
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount	Result		% Recovery		ALS	RPD	RPD	Data
		LCS / DLCS µg/m ³	LCS µg/m ³	DLCS µg/m ³	LCS	DLCS	Acceptance Limits			
108-90-7	Chlorobenzene	212	198	195	93	92	70-118	1	25	
100-41-4	Ethylbenzene	210	202	198	96	94	71-123	2	25	
179601-23-1	m,p-Xylenes	420	401	389	95	93	67-127	2	25	
75-25-2	Bromoform	214	197	195	92	91	65-149	1	25	
100-42-5	Styrene	212	212	208	100	98	76-132	2	25	
95-47-6	o-Xylene	212	206	201	97	95	69-124	2	25	
111-84-2	n-Nonane	212	223	218	105	103	64-127	2	25	
79-34-5	1,1,2,2-Tetrachloroethane	212	212	208	100	98	69-128	2	25	
98-82-8	Cumene	212	206	200	97	94	69-125	3	25	
80-56-8	alpha-Pinene	218	261	252	120	116	68-129	3	25	
622-96-8	4-Ethyltoluene	216	218	212	101	98	69-127	3	25	
108-67-8	1,3,5-Trimethylbenzene	210	202	196	96	93	66-129	3	25	
95-63-6	1,2,4-Trimethylbenzene	208	223	217	107	104	63-142	3	25	
100-44-7	Benzyl Chloride	420	449	451	107	107	73-145	0	25	
541-73-1	1,3-Dichlorobenzene	210	219	215	104	102	67-136	2	25	
106-46-7	1,4-Dichlorobenzene	212	206	201	97	95	63-134	2	25	
95-50-1	1,2-Dichlorobenzene	212	216	211	102	100	64-139	2	25	
5989-27-5	d-Limonene	210	263	254	125	121	63-137	3	25	
96-12-8	1,2-Dibromo-3-chloropropane	416	430	423	103	102	72-145	1	25	
120-82-1	1,2,4-Trichlorobenzene	412	432	428	105	104	62-154	1	25	
91-20-3	Naphthalene	216	198	197	92	91	62-156	1	25	
87-68-3	Hexachlorobutadiene	210	188	184	90	88	55-142	2	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Method Path : I:\MS16\METHODS\
Method File : R16122022.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
Last Update : Wed Dec 21 03:06:38 2022
Response Via : Initial Calibration

12/21/22

Calibration Files

0.1 =12202209.D 0.2 =12202210.D 0.5 =12202211.D 1.0 =12202212.D 5.0 =12202219.D 25 =12202214.D 50 =12202215.D
100 =12202217.D

Compound		0.1	0.2	0.5	1.0	5.0	25	50	100	Avg	%RSD

1) IR	Bromochloromethane...	-----ISTD-----									
2) T	Propene	1.481	1.625	1.678	1.608	1.534	1.735	1.847	1.983	1.686	9.81
3) T	Dichlorodifluo...	1.698	1.841	2.046	1.947	1.976	1.918	1.817	1.704	1.868	6.75
4) T	Chloromethane	1.665	1.709	2.021	1.916	1.974	1.895	1.688	1.112	1.747	16.64
5) T	1,2-Dichloro-1...	0.950	0.957	1.126	1.063	1.130	1.080	1.034	1.008	1.043	6.64
6) T	Vinyl Chloride	1.332	1.464	1.756	1.697	1.800	1.716	1.634	1.573	1.622	9.78
7) T	1,3-Butadiene	1.028	1.104	1.428	1.395	1.545	1.514	1.444	1.408	1.359	13.89
8) T	Bromomethane	0.670	0.753	0.866	0.835	0.901	0.872	0.829	0.797	0.815	9.13
9) T	Chloroethane	0.578	0.725	0.871	0.811	0.860	0.834	0.796	0.769	0.780	12.15
10) T	Ethanol	1.371	1.307	1.287	1.196	1.221	1.138	1.074	1.029	1.203	9.81
11) T	Acetonitrile	4.023	3.101	3.020	2.820	2.931	2.851	2.735	2.621	3.013	14.46
12) T	Acrolein	0.806	0.837	0.922	0.874	0.881	0.862	0.838	0.795	0.852	4.87
13) T	Acetone	1.037	0.985	0.936	0.901	0.924	0.908	0.865	0.804	0.920	7.69
14) T	Trichlorofluor...	1.460	1.666	1.882	1.827	1.846	1.790	1.695	1.625	1.724	8.16
15) T	2-Propanol (Is...	3.356	3.194	3.750	3.510	3.709	3.273	2.695	2.142	3.204	16.94
16) T	Acrylonitrile	1.588	1.577	1.798	1.792	1.843	1.794	1.709	1.630	1.716	6.14
17) T	1,1-Dichloroet...	0.854	0.953	1.083	1.038	1.034	1.026	0.983	0.963	0.992	7.10
18) T	2-Methyl-2-Pro...	1.810	1.889	2.270	2.301	2.711	2.807	2.199	2.284	2.284	16.42
19) T	Methylene Chlo...	1.024	0.953	1.055	1.042	1.041	1.041	1.012	0.967	1.017	3.71
20) T	3-Chloro-1-pro...	1.727	1.778	1.747	1.920	1.939	2.029	1.956	1.861	1.870	5.86
21) T	Trichlorotrifl...	0.694	0.816	0.922	0.906	0.922	0.905	0.870	0.834	0.859	9.02
22) T	Carbon Disulfide	3.336	3.479	3.909	3.790	3.734	3.766	3.557	3.425	3.625	5.61
23) T	trans-1,2-Dich...	1.147	1.316	1.645	1.656	1.674	1.668	1.624	1.535	1.533	12.82
24) T	1,1-Dichloroet...	1.571	1.745	1.978	1.999	1.997	1.964	1.877	1.773	1.863	8.30
25) T	Methyl tert-Bu...	2.264	2.423	2.772	2.768	2.909	3.070	2.988	2.417	2.701	11.01
26) T	Vinyl Acetate	0.127 0.148 0.225 0.246 0.246 0.242 0.206 0.242 0.206 0.242 0.206									
27) T	2-Butanone (MEK)	0.410	0.512	0.668	0.693	0.780	0.789	0.756	0.726	0.667	20.44
28) T	cis-1,2-Dichlo...	1.306	1.380	1.598	1.649	1.650	1.635	1.552	1.485	1.532	8.54
29) T	Diisopropyl Ether	0.816	0.870	1.055	1.013	1.056	1.057	0.965	0.763	0.949	12.41
30) T	Ethyl Acetate	0.289	0.356	0.441	0.463	0.525	0.537	0.479	0.398	0.436	19.45
31) T	n-Hexane	2.006	2.083	2.408	2.312	2.314	2.327	2.141	1.874	2.183	8.55
32) T	Chloroform	1.434	1.550	1.798	1.797	1.794	1.753	1.650	1.573	1.668	8.31
33) S	1,2-Dichloroet...	1.692	1.680	1.720	1.686	1.648	1.675	1.623	1.576	1.662	2.73
34) T	Tetrahydrofura...	0.631	0.656	0.707	0.698	0.717	0.720	0.690	0.653	0.684	4.84
35) T	Ethyl tert-But...	0.833 0.846 0.946 1.123 1.121 1.094 0.994 1.123 1.094 0.994									
36) T	1,2-Dichloroet...	1.111	1.257	1.483	1.445	1.478	1.446	1.349	1.266	1.354	9.85

37) IR	1,4-Difluorobenzen...	-----ISTD-----									
38) T	1,1,1-Trichlor...	0.284	0.315	0.351	0.354	0.366	0.356	0.349	0.332	0.338	7.97
39) T	Isopropyl Acetate	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
40) T	1-Butanol	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
41) T	Benzene	0.802	0.824	0.910	0.907	0.932	0.907	0.892	0.868	0.880	5.18
42) T	Carbon Tetrach...	0.225	0.253	0.288	0.297	0.316	0.310	0.305	0.296	0.286	10.91

Method Path : I:\MS16\METHODS\
Method File : R16122022.M

Title	: EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)													
43) T	Cyclohexane	0.322	0.347	0.395	0.390	0.394	0.389	0.383	0.355	0.372				7.29
44) T	tert-Amyl Meth...			0.333	0.353	0.402	0.505	0.525	0.532	0.442				20.34
45) T	1,2-Dichloropr...	0.217	0.226	0.262	0.257	0.260	0.258	0.251	0.243	0.247				6.83
46) T	Bromodichlorom...	0.242	0.255	0.307	0.298	0.314	0.308	0.300	0.296	0.290				9.15
47) T	Trichloroethene	0.187	0.204	0.249	0.248	0.262	0.260	0.256	0.249	0.239				11.73
48) T	1,4-Dioxane	0.109	0.131	0.173	0.171	0.187	0.186	0.185	0.183	0.166				17.62
49) T	2,2,4-Trimethy...	1.095	1.130	1.271	1.252	1.251	1.224	1.178	1.100	1.188				6.06
50) T	Methyl Methacr...			0.082	0.088	0.106	0.108	0.106	0.104	0.099				11.25
51) T	n-Heptane	0.213	0.231	0.274	0.269	0.279	0.276	0.269	0.256	0.258				9.20
52) T	cis-1,3-Dichlo...	0.192	0.244	0.322	0.332	0.382	0.385	0.377	0.329	0.325				22.00
53) T	4-Methyl-2-pen...	0.134	0.145	0.186	0.199	0.243	0.251	0.245	0.269	0.204				22.46
54) T	trans-1,3-Dich...			0.225	0.259	0.337	0.352	0.354	0.346	0.312				17.83
55) T	1,1,2-Trichlor...	0.171	0.189	0.222	0.221	0.229	0.230	0.225	0.222	0.214				10.05
56) IR	Chlorobenzene-d5 (.....ISTD-----													
57) S	Toluene-d8 (SS2)	5.480	5.445	5.434	5.346	5.558	5.441	5.532	5.543	5.472				1.29
58) T	Toluene	4.486	4.419	4.875	4.768	5.168	4.985	4.881	4.765	4.793				5.15
59) T	2-Hexanone	2.532	1.405	2.086	2.319	3.100	3.081	3.000	2.731	2.532				23.11
60) T	Dibromochlorom...	0.887	0.965	1.181	1.190	1.354	1.344	1.347	1.333	1.200				15.34
61) T	1,2-Dibromoethane	0.741	0.924	1.131	1.179	1.322	1.299	1.295	1.285	1.147				18.38
62) T	n-Butyl Acetate			1.900	2.129	3.243	3.465	3.439	3.165	2.890				23.92
63) T	n-Octane	1.127	1.083	1.272	1.251	1.338	1.295	1.254	1.195	1.227				7.01
64) T	Tetrachloroethene	0.948	1.033	1.272	1.210	1.342	1.326	1.320	1.313	1.220				12.26
65) T	Chlorobenzene	2.734	2.913	3.171	3.181	3.426	3.357	3.352	3.210	3.168				7.47
66) T	Ethylbenzene	4.674	4.842	5.495	5.455	5.905	5.776	5.708	5.447	5.413				8.09
67) T	m- & p-Xylenes	3.895	3.951	4.332	4.310	4.665	4.569	4.381	4.141	4.281				6.38
68) T	Bromoform			0.885	0.907	1.070	1.081	1.100	1.095	1.023				9.68
69) T	Styrene	2.112	2.202	2.800	2.981	3.550	3.550	3.529	3.372	3.012				19.80
70) T	o-Xylene	3.827	3.740	4.244	4.289	4.614	4.496	4.381	4.089	4.210				7.32
71) T	n-Nonane	2.752	2.857	3.229	3.204	3.311	3.141	2.949	2.593	3.005				8.54
72) T	1,1,2,2-Tetrac...	1.441	1.653	1.847	1.877	2.054	2.023	1.984	1.900	1.847				11.19
73) S	Bromofluoroben...	1.693	1.695	1.661	1.665	1.707	1.722	1.747	1.763	1.707				2.11
74) T	Cumene	4.518	4.746	5.357	5.333	5.896	5.765	5.623	5.230	5.308				9.01
75) T	alpha-Pinene			0.701	0.879	1.550	1.550	1.786	1.898	1.363				39.73
76) T	n-Propylbenzene	5.674	5.803	6.500	6.420	7.188	7.030	6.823	6.256	6.462				8.44
77) T	3-Ethyltoluene									0.000				-1.00
78) T	4-Ethyltoluene	3.875	4.291	4.990	5.052	5.821	5.678	5.536	5.050	5.037				13.39
79) T	1,3,5-Trimethy...	4.239	4.180	4.699	4.525	4.900	4.712	4.583	4.258	4.512				5.81
80) T	alpha-Methylst...									0.000				-1.00
81) T	2-Ethyltoluene									0.000				-1.00
82) T	1,2,4-Trimethy...	3.602	3.625	4.389	4.401	5.029	4.908	4.645	3.913	4.314				12.78
83) T	n-Decane									0.000				-1.00
84) T	Benzyl Chloride					1.082	2.645	3.044	3.286	3.059				34.00
85) T	1,3-Dichlorobe...	1.850	1.862	2.346	2.317	2.829	2.773	2.727	2.408	2.389				16.07
86) T	1,4-Dichlorobe...	2.118	1.950	2.477	2.442	2.854	2.771	2.726	2.553	2.486				12.75
87) T	sec-Butylbenzene	4.859	5.196	6.116	5.989	6.705	6.447	6.212	5.512	5.880				10.81
88) T	4-Isopropyltol...	5.928	6.178	7.352	6.948	7.067	6.270	5.853	5.064	6.332				11.92
89) T	1,2,3-Trimethy...									0.000				-1.00
90) T	1,2-Dichlorobe...	1.899	1.965	2.335	2.325	2.748	2.686	2.601	2.257	2.352				13.40
91) T	d-Limonene				0.813	1.059	1.451	1.488	1.346	1.232				23.38
92) T	1,2-Dibromo-3-...	0.621	0.671	0.827	0.859	1.045	1.048	1.033	0.959	0.883				19.09
93) T	n-Undecane									0.000				-1.00
94) T	1,2,4-Trichlor...	1.240	1.017	1.431	1.493	1.948	2.000	1.994	1.772	1.612				23.14

Method Path : I:\MS16\METHODS\ Method File : R16122022.M Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)									
95) T	Naphthalene	3.940	4.029	5.957	6.010	6.102	5.712	5.292	19.29
96) T	n-Dodecane							0.000	-1.00
97) T	Hexachlorobuta...	0.956	0.980	1.057	1.044	1.172	1.195	1.189	9.51
98) T	Cyclohexanone							0.000	-1.00
99) T	tert-Butylbenzene	3.823	3.975	4.577	4.563	5.143	4.980	3.856	11.41
100) T	n-Butylbenzene	3.551	3.732	4.670	4.821	5.326	5.243	4.573	14.30
101) T	1,1,1,2-Tetrac...	0.897	0.988	1.117	1.122	1.213	1.199	1.156	10.13

(#) = Out of Range									

Data File : I:\MS16\DATA\2023 01\03\01032302.D

Vial: 2

Acq On : 3 Jan 2023 7:11

Operator: WA

Sample : CCV R16010323 5ng

Inst : GCMS-16

Misc : S35-11092201/S35-12162204 (1/15)

Quant Time: Jan 03 07:43:28 2023

Quant Method : I:\MS16\METHODS\R16122022.M

Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

QLast Update : Wed Dec 21 03:06:38 2022

Response via : Initial Calibration

DataAcq Meth:TO15.M

107 1/3/23

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

Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 IR	Bromochloromethane (IS1)	1.000	1.000	0.0	85	0.00
2 T	Propene	1.686	1.545	8.4	86	0.00
3 T	Dichlorodifluoromethane (CF	1.868	1.732	7.3	74	0.00
4 T	Chloromethane	1.747	1.898	-8.6	82	0.00
5 T	1,2-Dichloro-1,1,2,2-tetra	1.043	0.964	7.6	72	0.00
6 T	Vinyl Chloride	1.622	1.610	0.7	76	0.00
7 T	1,3-Butadiene	1.359	1.431	-5.3	79	0.00
8 T	Bromomethane	0.815	0.778	4.5	73	0.00
9 T	Chloroethane	0.780	0.769	1.4	76	0.00
10 T	Ethanol	1.203	1.170	2.7	81	0.00
11 T	Acetonitrile	3.013	2.939	2.5	85	0.00
12 T	Acrolein	0.852	0.812	4.7	78	0.00
13 T	Acetone	0.920	0.863	6.2	79	0.00
14 T	Trichlorofluoromethane	1.724	1.574	8.7	72	0.00
15 T	2-Propanol (Isopropanol)	3.204	3.499	-9.2	80	0.00
16 T	Acrylonitrile	1.716	1.718	-0.1	79	0.00
17 T	1,1-Dichloroethene	0.992	0.885	10.8	73	0.00
18 T	2-Methyl-2-Propanol (tert-B	2.284	2.622	-14.8	82	0.00
19 T	Methylene Chloride	1.017	0.911	10.4	74	0.00
20 T	3-Chloro-1-propene (Allyl C	1.870	1.879	-0.5	82	0.00
21 T	Trichlorotrifluoroethane	0.859	0.764	11.1	70	0.00
22 T	Carbon Disulfide	3.625	3.310	8.7	75	0.00
23 T	trans-1,2-Dichloroethene	1.533	1.465	4.4	74	0.00
24 T	1,1-Dichloroethane	1.863	1.748	6.2	74	0.00
25 T	Methyl tert-Butyl Ether	2.701	2.616	3.1	76	0.00
26 T	Vinyl Acetate	0.206	0.184	10.7	69	0.00
27 T	2-Butanone (MEK)	0.667	0.680	-1.9	74	0.00
28 T	cis-1,2-Dichloroethene	1.532	1.425	7.0	73	0.00
29 T	Diisopropyl Ether	0.949	0.890	6.2	72	0.00
30 T	Ethyl Acetate	0.436	0.483	-10.8	78	0.00
31 T	n-Hexane	2.183	2.160	1.1	79	0.00
32 T	Chloroform	1.668	1.549	7.1	73	0.00
33 S	1,2-Dichloroethane-d4 (SS1)	1.662	1.756	-5.7	90	0.00
34 T	Tetrahydrofuran (THF)	0.684	0.630	7.9	75	0.00
35 T	Ethyl tert-Butyl Ether	0.994	0.898	9.7	81	0.00
36 T	1,2-Dichloroethane	1.354	1.283	5.2	74	0.00
37 IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	87	0.00
38 T	1,1,1-Trichloroethane	0.338	0.300	11.2	71	0.00
39 T	Isopropyl Acetate	0.000	0.000	0.0	0#	-13.67#
40 T	1-Butanol	0.000	0.000	0.0	0#	-12.65#
41 T	Benzene	0.880	0.769	12.6	72	0.00
42 T	Carbon Tetrachloride	0.286	0.256	10.5	71	0.00
43 T	Cyclohexane	0.372	0.326	12.4	72	0.00
44 T	tert-Amyl Methyl Ether	0.442	0.398	10.0	86	0.00
45 T	1,2-Dichloropropane	0.247	0.227	8.1	76	0.00
46 T	Bromodichloromethane	0.290	0.265	8.6	73	0.00
47 T	Trichloroethene	0.239	0.209	12.6	69	0.00
48 T	1,4-Dioxane	0.166	0.151	9.0	71	0.00
49 T	2,2,4-Trimethylpentane (Iso	1.188	1.094	7.9	76	0.00
50 T	Methyl Methacrylate	0.099	0.085	14.1	69	0.00
51 T	n-Heptane	0.258	0.234	9.3	73	0.00
52 T	cis-1,3-Dichloropropene	0.325	0.312	4.0	71	0.00
53 T	4-Methyl-2-pentanone	0.204	0.216	-5.9	77	0.00
54 T	trans-1,3-Dichloropropene	0.312	0.272	12.8	70	0.00
55 T	1,1,2-Trichloroethane	0.214	0.188	12.1	72	0.00

Data File : I:\MS16\DATA\2023 01\03\01032302.D
 Acq On : 3 Jan 2023 7:11
 Sample : CCV R16010323 5ng
 Misc : S35-11092201/S35-12162204 (1/15)

Vial: 2
 Operator: WA
 Inst : GCMS-16

Quant Time: Jan 03 07:43:28 2023
 Quant Method : I:\MS16\METHODS\R16122022.M
 Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
 QLast Update : Wed Dec 21 03:06:38 2022
 Response via : Initial Calibration
 DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	92	0.00
57	S Toluene-d8 (SS2)	5.472	5.265	3.8	87	0.00
58	T Toluene	4.793	4.073	15.0	72	0.00
59	T 2-Hexanone	2.532	2.849	-12.5	84	0.00
60	T Dibromochloromethane	1.200	1.043	13.1	70	0.00
61	T 1,2-Dibromoethane	1.147	1.023	10.8	71	0.00
62	T n-Butyl Acetate	2.890	3.067	-6.1	87	0.00
63	T n-Octane	1.227	1.109	9.6	76	0.00
64	T Tetrachloroethene	1.220	1.008	17.4	69	0.00
65	T Chlorobenzene	3.168	2.668	15.8	71	0.00
66	T Ethylbenzene	5.413	4.560	15.8	71	0.00
67	T m- & p-Xylenes	4.281	3.596	16.0	71	0.00
68	T Bromoform	1.023	0.838	18.1	72	0.00
69	T Styrene	3.012	2.649	12.1	68	0.00
70	T o-Xylene	4.210	3.570	15.2	71	0.00
71	T n-Nonane	3.005	2.935	2.3	81	0.00
72	T 1,1,2,2-Tetrachloroethane	1.847	1.653	10.5	74	0.00
73	S Bromofluorobenzene (SS3)	1.707	1.499	12.2	80	0.00
74	T Cumene	5.308	4.574	13.8	71	0.00
75	T alpha-Pinene	1.363	0.979	28.2	102	0.00
76	T n-Propylbenzene	6.462	5.645	12.6	72	0.00
77	T 3-Ethyltoluene	0.000	0.000	0.0	0#	0.00
78	T 4-Ethyltoluene	5.037	4.463	11.4	70	0.00
79	T 1,3,5-Trimethylbenzene	4.512	3.792	16.0	71	0.00
80	T alpha-Methylstyrene	0.000	0.000	0.0	0#	0.00
81	T 2-Ethyltoluene	0.000	0.000	0.0	0#	0.00
82	T 1,2,4-Trimethylbenzene	4.314	3.864	10.4	70	0.00
83	T n-Decane	0.000	0.000	0.0	0#	0.00
84	T Benzyl Chloride	2.623	2.101	19.9	73	0.00
85	T 1,3-Dichlorobenzene	2.389	2.159	9.6	70	0.00
86	T 1,4-Dichlorobenzene	2.486	2.152	13.4	69	0.00
87	T sec-Butylbenzene	5.880	5.282	10.2	72	0.00
88	T 4-Isopropyltoluene (p-Cymen	6.332	5.163	18.5	67	0.00
89	T 1,2,3-Trimethylbenzene	0.000	0.000	0.0	0#	0.00
90	T 1,2-Dichlorobenzene	2.352	2.098	10.8	70	0.00
91	T d-Limonene	1.232	1.163	5.6	100	0.00
92	T 1,2-Dibromo-3-Chloropropane	0.883	0.804	8.9	70	0.00
93	T n-Undecane	0.000	0.000	0.0	0#	0.00
94	T 1,2,4-Trichlorobenzene	1.612	1.456	9.7	68	0.00
95	T Naphthalene	5.292	4.393	17.0	67	0.00
96	T n-Dodecane	0.000	0.000	0.0	0#	-22.59#
97	T Hexachlorobutadiene	1.102	0.878	20.3	69	0.00
98	T Cyclohexanone	0.000	0.000	0.0	0#	0.08
99	T tert-Butylbenzene	4.446	3.965	10.8	71	0.00
100	T n-Butylbenzene	4.623	4.306	6.9	74	0.00
101	T 1,1,1,2-Tetrachloroethane	1.111	0.943	15.1	71	0.00

(#) = Out of Range

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

Data File : I:\MS16\DATA\2023 01\04\01042301.D

Vial: 2

Acq On : 4 Jan 2023 00:53

Operator: WA

Sample : CCV R16010423 5ng

Inst : GCMS-16

Misc : S35-11092201/S35-12162204 (1/15)

Quant Time: Jan 04 03:31:00 2023

Quant Method : I:\MS16\METHODS\R16122022.M

Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

QLast Update : Wed Dec 21 03:06:38 2022

Response via : Initial Calibration

DataAcq Meth:TO15.M

107 1/4/23

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

Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	83	0.00
2	T Propene	1.686	1.543	8.5	83	0.00
3	T Dichlorodifluoromethane (CF	1.868	1.717	8.1	72	0.00
4	T Chloromethane	1.747	1.909	-9.3	80	0.00
5	T 1,2-Dichloro-1,1,2,2-tetra	1.043	0.926	11.2	68	0.00
6	T Vinyl Chloride	1.622	1.617	0.3	75	0.00
7	T 1,3-Butadiene	1.359	1.426	-4.9	77	0.00
8	T Bromomethane	0.815	0.745	8.6	69	0.00
9	T Chloroethane	0.780	0.753	3.5	73	0.00
10	T Ethanol	1.203	1.190	1.1	81	0.00
11	T Acetonitrile	3.013	2.895	3.9	82	0.00
12	T Acrolein	0.852	0.809	5.0	76	0.00
13	T Acetone	0.920	0.855	7.1	77	0.00
14	T Trichlorofluoromethane	1.724	1.536	10.9	69	0.00
15	T 2-Propanol (Isopropanol)	3.204	3.434	-7.2	77	0.00
16	T Acrylonitrile	1.716	1.700	0.9	77	0.00
17	T 1,1-Dichloroethene	0.992	0.847	14.6	68	0.00
18	T 2-Methyl-2-Propanol (tert-B	2.284	2.401	-5.1	73	0.00
19	T Methylene Chloride	1.017	0.898	11.7	72	0.00
20	T 3-Chloro-1-propene (Allyl C	1.870	1.826	2.4	78	0.00
21	T Trichlorotrifluoroethane	0.859	0.743	13.5	67	0.00
22	T Carbon Disulfide	3.625	3.216	11.3	71	0.00
23	T trans-1,2-Dichloroethene	1.533	1.449	5.5	72	0.00
24	T 1,1-Dichloroethane	1.863	1.720	7.7	71	0.00
25	T Methyl tert-Butyl Ether	2.701	2.399	11.2	68	0.00
26	T Vinyl Acetate	0.206	0.182	11.7	67	0.00
27	T 2-Butanone (MEK)	0.667	0.654	1.9	70	0.00
28	T cis-1,2-Dichloroethene	1.532	1.403	8.4	71	0.00
29	T Diisopropyl Ether	0.949	0.861	9.3	68	0.00
30	T Ethyl Acetate	0.436	0.462	-6.0	73	0.00
31	T n-Hexane	2.183	2.091	4.2	75	0.00
32	T Chloroform	1.668	1.528	8.4	71	0.00
33	S 1,2-Dichloroethane-d4 (SS1)	1.662	1.756	-5.7	88	0.00
34	T Tetrahydrofuran (THF)	0.684	0.599	12.4	69	0.00
35	T Ethyl tert-Butyl Ether	0.994	0.778	21.7	68	0.00
36	T 1,2-Dichloroethane	1.354	1.252	7.5	70	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	85	0.00
38	T 1,1,1-Trichloroethane	0.338	0.293	13.3	68	0.00
39	T Isopropyl Acetate	0.000	0.000	0.0	0#	-13.67#
40	T 1-Butanol	0.000	0.000	0.0	0#	-12.65#
41	T Benzene	0.880	0.757	14.0	69	0.00
42	T Carbon Tetrachloride	0.286	0.250	12.6	67	0.00
43	T Cyclohexane	0.372	0.318	14.5	68	0.00
44	T tert-Amyl Methyl Ether	0.442	0.337	23.8	71	0.00
45	T 1,2-Dichloropropane	0.247	0.223	9.7	73	0.00
46	T Bromodichloromethane	0.290	0.262	9.7	71	0.00
47	T Trichloroethene	0.239	0.204	14.6	66	0.00
48	T 1,4-Dioxane	0.166	0.146	12.0	66	0.00
49	T 2,2,4-Trimethylpentane (Iso	1.188	1.071	9.8	72	0.00
50	T Methyl Methacrylate	0.099	0.083	16.2	66	0.00
51	T n-Heptane	0.258	0.226	12.4	69	0.00
52	T cis-1,3-Dichloropropene	0.325	0.305	6.2	68	0.00
53	T 4-Methyl-2-pentanone	0.204	0.212	-3.9	74	0.00
54	T trans-1,3-Dichloropropene	0.312	0.260	16.7	65	0.00
55	T 1,1,2-Trichloroethane	0.214	0.184	14.0	68	0.00

Data File : I:\MS16\DATA\2023 01\04\01042301.D
 Acq On : 4 Jan 2023 00:53
 Sample : CCV R16010423 5ng
 Misc : S35-11092201/S35-12162204 (1/15)

Vial: 2
 Operator: WA
 Inst : GCMS-16

Quant Time: Jan 04 03:31:00 2023
 Quant Method : I:\MS16\METHODS\R16122022.M
 Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
 QLast Update : Wed Dec 21 03:06:38 2022
 Response via : Initial Calibration
 DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	93	0.00
57	S Toluene-d8 (SS2)	5.472	5.104	6.7	86	0.00
58	T Toluene	4.793	3.805	20.6	69	0.00
59	T 2-Hexanone	2.532	2.687	-6.1	81	0.00
60	T Dibromochloromethane	1.200	0.984	18.0	68	0.00
61	T 1,2-Dibromoethane	1.147	0.953	16.9	67	0.00
62	T n-Butyl Acetate	2.890	2.845	1.6	82	0.00
63	T n-Octane	1.227	1.046	14.8	73	0.00
64	T Tetrachloroethene	1.220	0.933	23.5	65	0.00
65	T Chlorobenzene	3.168	2.495	21.2	68	0.00
66	T Ethylbenzene	5.413	4.301	20.5	68	0.00
67	T m- & p-Xylenes	4.281	3.379	21.1	67	0.00
68	T Bromoform	1.023	0.780	23.8	68	0.00
69	T Styrene	3.012	2.458	18.4	65	0.00
70	T o-Xylene	4.210	3.363	20.1	68	0.00
71	T n-Nonane	3.005	2.775	7.7	78	0.00
72	T 1,1,2,2-Tetrachloroethane	1.847	1.541	16.6	70	0.00
73	S Bromofluorobenzene (SS3)	1.707	1.518	11.1	83	0.00
74	T Cumene	5.308	4.186	21.1	66	0.00
75	T alpha-Pinene	1.363	0.665	51.2#	71	0.00
76	T n-Propylbenzene	6.462	5.238	18.9	68	0.00
77	T 3-Ethyltoluene	0.000	0.000	0.0	0#	0.00
78	T 4-Ethyltoluene	5.037	4.126	18.1	66	0.00
79	T 1,3,5-Trimethylbenzene	4.512	3.420	24.2	65	0.00
80	T alpha-Methylstyrene	0.000	0.000	0.0	0#	0.00
81	T 2-Ethyltoluene	0.000	0.000	0.0	0#	0.00
82	T 1,2,4-Trimethylbenzene	4.314	3.563	17.4	66	0.00
83	T n-Decane	0.000	0.000	0.0	0#	0.00
84	T Benzyl Chloride	2.623	1.851	29.4	65	0.00
85	T 1,3-Dichlorobenzene	2.389	1.973	17.4	65	0.00
86	T 1,4-Dichlorobenzene	2.486	1.979	20.4	65	0.00
87	T sec-Butylbenzene	5.880	4.874	17.1	68	0.00
88	T 4-Isopropyltoluene (p-Cymen	6.332	4.929	22.2	65	0.00
89	T 1,2,3-Trimethylbenzene	0.000	0.000	0.0	0#	0.00
90	T 1,2-Dichlorobenzene	2.352	1.947	17.2	66	0.00
91	T d-Limonene	1.232	0.835	32.2#	73	0.00
92	T 1,2-Dibromo-3-Chloropropane	0.883	0.740	16.2	66	0.00
93	T n-Undecane	0.000	0.000	0.0	0#	0.00
94	T 1,2,4-Trichlorobenzene	1.612	1.348	16.4	64	0.00
95	T Naphthalene	5.292	4.083	22.8	64	0.00
96	T n-Dodecane	0.000	0.000	0.0	0#	-22.59#
97	T Hexachlorobutadiene	1.102	0.812	26.3	65	0.00
98	T Cyclohexanone	0.000	0.000	0.0	0#	0.07
99	T tert-Butylbenzene	4.446	3.620	18.6	66	0.00
100	T n-Butylbenzene	4.623	4.059	12.2	71	0.00
101	T 1,1,1,2-Tetrachloroethane	1.111	0.876	21.2	67	0.00

(#) = Out of Range

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